



Town of Canton
Stormwater/LDP Permit Application
Bylaw XX Stormwater Management (Adopted June 2020)
 Note: See Section 2C of the Bylaw for exemptions

Date Received (town use only)

A. General Information

Project Location

Street Address:		Registered Land (Y/N)	Certificate #
Assessors Map/Plat Number	Parcel/Lot Number	Book Number	Page Number
<i>If more than one parcel:</i>			
Assessors Map/Plat Number	Parcel/Lot Number	Book Number	Page Number

Property Owner

Additional Owners (if applicable)

Name		Name	
Mailing Address		Mailing Address	
City/Town, State, Zip		City/Town, State, Zip	
Phone	Email	Phone	Email

Applicant (if different from owner)

Civil Engineer/Representative

Name* (required)		Name	
Company Name		Company Name	
Mailing Address		Mailing Address	
City/Town, State, Zip		City/Town, State, Zip	
Phone	Email	Phone	Email

B. Plan and/or Map Reference(s) and Minimum Submittal Requirements

<input type="checkbox"/> Land alteration is 20,000 sq.-ft. or greater but less than 1 acre <input type="checkbox"/> Land alteration is 1 acre or greater (<i>also requires NPDES permit from EPA</i>) <input type="checkbox"/> An alteration, development, redevelopment, or conversion of land use to a hotspot of any size per Section 2B of the Bylaw. Check one		
1. Plan Title No. Sheets	Plan Date	Signed and sealed by
2. Stormwater Report, including Stormwater Runoff Calculations, Stormwater Check-list, Operation and Maintenance (O&M) Plan,	Report Date	Signed and sealed by
3. Stormwater Pollution Prevention Plan (SWPPP)	Date	Signed and sealed by

C. Canton Bylaw Stormwater Management Standards

For stormwater management design of the post development site subject to the Conservation Commission Stormwater Management Rules and Regulations.

For all projects causing 20,000 square feet or greater of land disturbance or development of a hotspot of any size per Section 2B of the Bylaw:

- The first inch of runoff from all new impervious areas shall be treated or infiltrated **AND**
- The first .08 inches of runoff from all redevelopment impervious areas shall be treated or infiltrated **AND**
- Runoff from driveways associated with single-family dwellings shall be directed to adjacent pervious surfaces **AND**
- All analyses were performed using the most recent rainfall distribution recommended by the Northeast Regional Climate Center **AND**
- Soil erosion and sediment control practices shall be constructed in accordance with the "Massachusetts Erosion and Sediment Control Guidelines for Urban and Suburban Areas", prepared by the Massachusetts Department of Environmental Protection, Bureau of Resource Protection, dated May 2003 and are shown on the proposed site plan.

D. MA Stormwater Management Standards

For stormwater management design of the post development site subject to Bylaw XX Stormwater Management (Adopted June 2020) or the Massachusetts Wetlands Protection Act (MGL c. 131, § 40) and the Stormwater Handbook

<https://www.mass.gov/regulations/310-CMR-1000-wetlands-protection-act-regulations>

<https://www.mass.gov/guides/massachusetts-stormwater-handbook-and-stormwater-standards#-stormwater-handbook-volume-1->

NEW DEVELOPMENT drainage calculations and design of the post development site provide for:

Compliance with: Standard 1 Standard 2 Standard 3 Standard 4 Standard 8 Standard 9 Standard 10
Compliance if applicable with: Standard 5 Standard 6

REDEVELOPMENT drainage calculations and design of the post development site provide for:

The project improves existing conditions and there is no increase in impervious materials coverage.
Compliance to the maximum extent practicable with: Standard 1 (existing discharges) Standard 2 Standard 3
Compliance with the pretreatment and structural best management practice requirements of: Standard 4 Standard 5 Standard 6
Compliance with: Standard 7 Standard 8 Standard 9 Standard 10

E. MS4 Stormwater Management Standards

For projects discharging to the MS4 system

<https://www.epa.gov/npdes-permits/massachusetts-small-ms4-general-permit#cmams4gp>

(Note: projects with proposed direct connections to the Town's MS4 system require a separate drainage connection permit from the DPW)

NEW DEVELOPMENT drainage calculations and design of the post development site provide for:

- Use of low impact development unless infeasible **AND** design consistent with or more stringent than the Stormwater Handbook **AND**
- Retaining of the first inch of runoff from post development impervious areas onsite **OR**
- Removal of 90% of the average annual load of total suspended solids (TSS) **AND** removal of 60% of the average annual load of total phosphorus in runoff from impervious surfaces for the post development site

REDEVELOPMENT drainage calculations and design of the post development site provide for:

- comply with Stormwater Standards 1, 2, 3, 5, 6 and 9 of the Handbook to the maximum extent practicable **AND**
- The first 0.8 inch of runoff from impervious areas shall be retained onsite **OR**
- The treatment shall be designed such that 80% of the average annual load of total suspended solids (TSS) **AND** 50% of the average annual load of total phosphorus generated from the impervious area on the site is removed prior to discharge.
- Offsite mitigation within the same USGS HUC10 may be allowed (Refer to MassGIS datalayer).

E. Water Quality Questions

1. **Identify the receiving water** The project discharges to the following unnamed or named wetland or waterbody _____ within _____ watershed.

2. **Does the project discharge to:**
 - Outstanding resource waters <http://www.mass.gov/eea/docs/dep/service/regulations/314cmr04.pdf>
 - Water on most recent MA Integrated List of Waters <https://www.mass.gov/doc/final-massachusetts-year-2016-integrated-list-of-waters/download> (or Clean Water Act 303(d) list)

3. **Does project discharge to a Water with: *If yes, then:***
 - An approved TMDL for **Bacteria or Pathogens** BMPs must contain treatment of bacteria and pathogens and O & M must address proper disposal of pet waste
 - A Certain Water Quality Limited Water Bodies for **Total Nitrogen** BMPs must optimize nitrogen removal, and O & M must address proper disposal of grass clipping and leaf litter, encourage proper use of slow-release or no use of fertilizers and address proper pet waste management
 - A Certain Water Quality Limited Water Bodies for **Total Phosphorus** BMPs must optimize nitrogen removal, and O & M must address proper disposal of grass clipping and leaf litter, encourage proper use of slow-release phosphorus or no use of fertilizers and address proper pet waste management

F. Low Impact Development (LID) Statement

LID techniques are innovative stormwater management systems that are modeled after natural hydrologic features, to manage rainfall at the source using uniformly distributed decentralized micro-scale controls and use small cost-effective landscape features at the lot level. To demonstrate compliance with the Stormwater Management Standards, projects requiring stormwater management must complete an evaluation of possible stormwater management measures including environmentally sensitive site design and low impact development techniques that minimize land disturbance and impervious surfaces, structural stormwater management practices, pollution prevention, erosion and sedimentation control and proper operation and maintenance of stormwater BMPs. Check all provided in this project:

- | | | |
|---|--|--|
| <input type="checkbox"/> Reducing impervious surfaces | <input type="checkbox"/> Disconnecting flow paths | <input type="checkbox"/> Treating stormwater at the source |
| <input type="checkbox"/> Minimizing disturbance | <input type="checkbox"/> Protecting natural features and processes | <input type="checkbox"/> Maximizing open space |
| <input type="checkbox"/> Enhancing wildlife habitat | | |

G. Signatures and Submittal Requirements (if more than one applicant or owner please attach all signatures)

I hereby certify under the penalties of perjury that the foregoing Stormwater Permit Application and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. **I certify that I have fully evaluated all LID techniques available and have utilized LID to the extent practicable.**

Signature of Applicant

Date

Signature of Representative

Date

Signature of Property Owner

Date