



Village of Larchmont

www.villageoflarchmont.org

Building & Engineering Department SWEC/SWPP Application

120 Larchmont Avenue, Larchmont, NY 10538 Phone: (914)-834-4349

SURFACE WATER AND EROSION CONTROL / STORMWATER POLLUTION PREVENTION APPLICATION

DATE: _____

Site Address:					
Block:		Lot:		Area of Lot:	(sq. feet)
Permit Type (Check one - see attached for description):					
<input type="checkbox"/>	Surface Water & Erosion Control Permit for <u>Minor</u> Land Development				
<input type="checkbox"/>	Storm water Pollution Prevention Permit for <u>Major</u> Land Development				
Description of Work:					
Estimated Cost of Erosion Control Compliance:					

PROPERTY OWNER INFORMATION:

Name(s):					
Address:		City/St:		Zip:	
Home Phone:			Cell Phone:		
E-Mail:					



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CONTRACTOR INFORMATION:

Company Name:						
Contact Name(s):				Cell:		
Address:			City/St:			Zip:
Phone:			FAX:			
E-Mail:						
Lic. #:						

ENGINEER/LANDSCAPE ARCHITECT INFORMATION:

Company Name:						
Contact Name(s):				Cell:		
Address:			City/St:			Zip:
Phone:			FAX:			
E-Mail:						

Minor Land Development Activity

Major Land Development Activity

Applicant Signature: _____

For Office Use Only

Application Fee:

\$200.00

Review Fee: Planning Board Not Required:
Planning Board Approval:

\$850.00 up to (2) reviews
No Additional Fee

Total Fee Required:

DATE STAMP

Revised: 04/15/2023



**INSTRUCTIONS FOR SUBMITTAL OF
SURFACE WATER AND EROSION CONTROL/STORMWATER POLLUTION
PREVENTION PERMIT APPLICATION**

Please Note: Completing the application form does not constitute a permit to commence construction.

1. Determine if your project is a Minor or a Major Land Development Activity.

A Minor Land Development Activity(Land Development Activity) is defined in Chapter 335 of the Village Code as:

"Construction activity, including clearing, grading, excavating, soil disturbance or placement of fill that results in land disturbance of equal to or greater than 500 square feet, or activities disturbing less than 500 square feet of total land area that is part of a larger common plan of development or sale, even though multiple separate and distinct land development activities may take place at different times on different schedules. [Amended 11-21-2016 by L.L. No. 8-2016]"

A Major Land Development Activity (Construction Activity) in accordance with Chapter 335-28(A) of the Village Code and defined :

"Construction projects resulting in land disturbance of one acre or more. Such activities include but are not limited to clearing and grubbing, grading, excavating, and demolition." & "Notwithstanding any of the foregoing, any applicant for any demolition or building permit shall be required to offset by on-site retention the increase in the rate of peak stormwater runoff from the proposed development from, at a minimum, the fifty-year design storm or, if the site disturbance is greater than one acre, from the one-hundred-year design storm, all in accordance with New York State Department of Environmental Conservation stormwater management requirements."

2. If your project is a **Minor Land Development Activity**, you will need to deliver to the Building Department the following:

- A. A signed and completed SWEC permit application.
- B. A completed Short Environmental Assessment Form.
- C. Surface Water and Erosion Control Plans, signed and stamped by a New York State licensed Professional Engineer, or a New York State licensed Landscape Architect in the following formats:
 - Two (2) Full Sized sets of drawings and supporting documents
 - One (1) Electronic set of drawings and documents (PDF) format



Plans must include:

- An existing conditions survey by a licensed land surveyor, with topographic information must be supplied. The Proposed plan must indicate existing and proposed contours.
- A copy of the USDA Soil Survey Map for the proposed site verifying hydrological soil type.
- Percolation tests must be performed in conformance with *"The New York State Storm water Management Design Manual"*, NYSDEC, most current version or its successor. Notification must be made to this office for inspection. Test logs must be submitted for review demonstrating conformance with methodology used (24 hour soak, uniform percolation rates, proper depth). Percolation tests must be performed in the location of the proposed practice. The locations of the percolation tests must be shown on the plan. Percolation tests must be performed even if no percolation volume is considered.
- Test pits must be performed to confirm soil type and to determine the elevation of ledge rock and groundwater conditions (minimum 2 feet below infiltration practices), test pit locations must be shown on the plan. If the minimum 2 foot separation is not possible, alternative methods to infiltration must be considered.
- Designer must locate the closest municipal storm drain within the ROW and show this on the plan. Where connection is proposed, pipe sizes, rim and invert must be listed.
- Storm water detention calculations must be provided demonstrating attenuation for the 25 year storm event (6.4"/24 hrs.) to pre-development conditions. For "knock-downs" the existing condition must be modeled as undisturbed land.
- Calculations may be performed in accordance with *"The New York State Storm water Management Design Manual"*, NYSDEC, most current version or its successor, however it is recommended to utilize a peak-rate flow based methodology as opposed to a volume based methodology for a more efficient design.
- Infiltration practices must be supplied with some means for overflow, preferably piped to the nearest drainage structure within the ROW.
- In no case should footing drains be interconnected with roof leaders.
- No infiltration practice should be placed completely in fill material or within 10' of structures or property lines.
- Designer must indicate the roof area to be tributary to each infiltration practice or gallery proposed.
- Provide rims/inverts/sizes for all piping proposed.
- Gravel driveways must be assigned the proper curve number and incorporated into the design calculations.
- Plan must contain the required inspection schedule as per NYSDEC Stormwater Manual.
- Swimming pools are considered impervious.
- Proposed area of disturbance and the increase/decrease of impervious coverage must be clearly noted and delineated on the plan.
- A detailed sediment and erosion control plan must be included and implemented in conformance with the *"New York State Standards and Specifications For Erosion and Sediment Control"*, NYSDEC, most current version or its successor. The plan must include all applicable details for sediment and erosion control measures to be utilized.
- A construction sequence must be included on the plan.
- The plan must note that the design professional must certify installation of the sediment and erosion control measures prior to start of construction.



3. If your project is a **Major Land Development Activity**, you will need to deliver to the Building Department the following:

- A. A signed and completed SWEC permit application.
- B. A completed Long Environmental Assessment Form.
- C. Storm water Pollution Prevention Plan, stamped by a New York State licensed Professional Engineer, or a New York State Licensed Landscape Architect with drawings in the following formats:
 - Two (2) Full Sized sets of drawings and supporting documents
 - One(1) Electronic set of drawings and documents (PDF) format

These plans must include all of the items listed in Chapter 335 of the Village Code and all of the items required in order to obtain coverage under the SPDES General Permit for Construction Activities GP-0-20-001 as amended or revised.

4. If your project is **either** a Major or a Minor Land Development Activity, you will **also** need to deliver to the Building Department the following:

- A. One (1) copy of a property survey showing all existing conditions.
- B. Contractor's Certificate of Liability listing the Village of Larchmont as:
 - Certificate Holder
 - Additionally Insured
- C. Contractor's Workman's Compensation Insurance or a *Waiver of Insurance if all work is to be performed by the property owner.*
- D. NYS Disability Insurance:

Note: Please be advised, under new State and Municipal Laws, the Workman's Compensation and Disability benefits insurance must be submitted on a separate State approved form. The "Accord" form is no longer acceptable proof of Workman's Compensation or Disability coverage. Further information or questions may be answered by calling the NYS Bureau of Compliance at (518) 486-6307 or by visiting their website: www.web.state.ny.us or by contacting the insurance provider.

- E. Westchester County Home Improvement License.



INSPECTION SCHEDULE

To schedule inspections, the applicant shall contact the Building & Engineering Department at least 48 hours before any of the following:

1. Installation of erosion and sediment control devices (Preconstruction)
2. Installation of storm water management practices and drainage structures
3. Completion of site clearing,
4. Completion of rough grading,
5. Completion of final grading,
6. Close of the construction season,
7. Completion of final landscaping, and
8. Establishment of landscaping in public areas.
9. One-year post-completion maintenance (Bond Release)

Additional inspections will be required for Major Land Development Activities for compliance with the NYSDEC SPDES General Permit for Construction Activities GP-0-20-001 or as amended or revised. These site inspections must be performed by a qualified professional on a weekly basis. The professional's reports shall be delivered to the Building & Engineering Department, copied to the site log book and must be kept on site and made available to NYSDEC and the Village upon request.



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Why Are We Doing This?

Soil erosion from residential and commercial construction sites is a major source of pollution in the Long Island Sound Watershed. Erosion and sediment control is important even for individual home sites that only disturb a small area. Eroding construction sites are a leading cause of water quality problems in New York. It is estimated that one and a half dump trucks of soil wash into a nearby lake or stream for every acre of land under construction without adequate erosion control practices in place.



Increased Taxes & Decreased Property Values

Cleaning and dredging sediment from streets, sewers, ponds, marinas and watercourses adds extra costs to our local budget. Increased street sweeping, staff hours and costly equipment are necessary to clean and maintain storm sewer systems.

Property values are damaged when a pond, stream or marina fills with sediment, making the water body unattractive. In addition, the water body's ability to detain storm water is reduced, resulting in the potential for downstream flooding.



Impacts to Fish and Wildlife: The photo on the right shows the Larchmont Gardens Lake filled with sediment. Sediment carries fertilizers that fuel algae and weed growth. Shallow areas encourage weed growth and reduce viable wildlife habitat. Muddy water drives away fish like northern pike that rely on sight to feed. As it settles, sediment smothers gravel beds where fish like smallmouth bass find food and lay their eggs. Suspended particles in stream water can act like a sand blaster during a storm and damage fish gills.



What can be done to Prevent Soil Erosion?

Proper use of erosion control devices is required on all construction sites in the Village of Larchmont. Typical erosion control measures like silt fencing and stabilized construction entrances/tracking pads are required on almost every construction site in the Village. Below are examples of good and bad installations of these measures.

