

BASIC STORMWATER POLLUTION PREVENTION PLAN

Penelope Hedges – Subdivision
31 Mountain Lane, Beacon, NY 12508
City of Beacon, NY
TM #6054-02-535593

September 10, 2018



The applicant, Penelope Hedges, proposes to subdivide an existing 5.527 acres lot on 31 Mountain Lane in the City of Beacon into 2 lots. One lot consists of an existing single-family residence, the other lot proposes a new single-family residence. The total disturbance anticipated on the site is 1.12 acres. This Basic SWPPP and the accompanying plans entitled “Preliminary Subdivision Plat prepared for Penelope Hedges” last dated September 10, 2018 have been submitted as a set. These engineering drawings are considered an integral part of this basic SWPPP. Therefore, this basic SWPPP is not considered complete without them. References made herein to “the plans” or to a specific “sheet” refer to these drawings.

The plans include a Subdivision Plat, Integrated Plot Plan, Detail Sheet, and Profiles and Notes Sheet for the project, including a general location map. The integrated plot plan shows the total site area, proposed improvements, areas of disturbance, areas that will not be disturbed, existing trees in or near the proposed disturbance, existing and final slopes, locations of on-site soil stockpiles, and location of the stormwater discharges.

The plans sheet 1 of 5 titled “Preliminary Subdivision Plat...” includes locations and descriptions of soils present at the site.

The plans sheet 5 of 5 titled “Profiles and Notes...” includes a construction sequencing notes section which details the order of work that is shown throughout the plans. This sheet also contains “Good Housekeeping” notes which describe pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a pollutant source in stormwater runoff, description of construction and waste materials expected to be stored on-site with updates as appropriate, and a description of controls to reduce pollutants from these materials, including storage practices to minimize exposure of the materials to stormwater, and spill-prevention and response.

The temporary structural and vegetative measures for soil stabilization include silt fence, top soil stockpile, a stabilized construction entrance, check dams, filter fabric drop inlet protection, and tree protection fencing. The check dams used as temporary practices will be converted to permanent control measures at the owner’s discretion.

The plan includes materials, locations, sizes, and lengths of each erosion and sediment control practice.

The plan sheets 3 of 5 titled “Erosion & Sediment Control...” 4 of 5 titled “Details ...” and 5 of 5 titled “Profiles and Notes ...” include notes detailing the implementation schedule for staging temporary erosion

and sediment control practices. The maintenance schedule to ensure continuous and effective operation is also detailed on these plan sheets.

The receiving waters for this project are an unnamed tributary to Fishkill Creek which ultimately discharges to the Hudson River.

This project is a single-family development that disturbs less than 5 acres but more than 1 acre and will require coverage under NYSDEC General Permit for construction activity, GP-0-15-002. An Erosion & Sediment Control Plan has been developed in accordance with the NYSDEC Stormwater Design Manual dated January 2015. An NOI with the accompanying MS4 form will be submitted to the NYSDEC.

SWPPP IMPLEMENTATION RESPONSIBILITIES

A summary of the responsibilities and obligations of all parties involved with compliance with the NYSDEC SPDES General Permit GP-0-15-002 conditions is outlined below. For a complete listing of the definitions, responsibilities, and obligations, refer to the SPDES General Permit GP-0-15-002.

Definitions

1. "Owner" or "Operator" means the person, persons, or legal entity which owns or leases the property on which the *construction activity* is occurring; and/or an entity that has operational control over the construction plans and specifications, including the ability to make modifications to the plans and specifications.
2. "Owner's/Operator's Engineer" means the person or entity retained by an Owner/Operator to design and oversee the implementation of the SWPPP.
3. "Contractor" means the person or entity identified as such in the construction contract with the Owner/Operator. The term "Contractor" shall also include the Contractor's authorized representative, as well as any and all subcontractors retained by the Contractor.
4. "Qualified Inspector" means a person that is knowledgeable in the principles and practices of erosion and sediment control, such as licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or other Department endorsed individual(s).

It can also mean someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided that person has training in the principles and practices of erosion and sediment control. Training in the principles and practices of erosion and sediment control means that an individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the individual working under the direct supervision of the licensed Professional Engineer or Registered Landscape Architect shall receive four (4) hours of training every three (3) years.

It can also mean a person that meets the *Qualified Professional* qualifications in addition to the *Qualified Inspector* qualifications.

5. “Qualified Professional” means a person that is knowledgeable in the principles and practices of stormwater management and treatment, such as a licensed Professional Engineer, Registered Landscape Architect, or other Department endorsed individual(s). Individuals preparing SWPPPs that require the post-construction stormwater management practice component must have an understanding of the principles of hydrology, water quality management practice design, water quantity control design, and, in many cases, the principles of hydraulics. All components of the SWPPP that involve the practice of engineering, as defined by the NYS Education Law (see Article 145), shall be prepared by, or under the direct supervision of, a professional engineer licensed to practice in the State of New York.
6. “Trained Contractor” means an employee from a contracting (construction) company, identified in Part III.A.6., that has received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity. After receiving the initial training, the *Trained Contractor* shall receive four (4) hours of training every three (3) years.
It can also mean an employee from a contracting (construction) company, identified in Part III.A.6., that meets the *Qualified Inspector* qualifications (e.g. licensed Professional Engineer, Certified Professional in Erosion and Sediment Control (CPESC), Registered Landscape Architect, or someone working under the direct supervision of, and at the same company as, the licensed Professional Engineer or Registered Landscape Architect, provided they have received four (4) hours of Department endorsed training in proper erosion and sediment control principles from a Soil and Water Conservation District, or other Department endorsed entity.

The “Trained Contractor(s)” will be responsible for implementation of the SWPPP.

Owner's/Operator's Responsibilities

1. Ensure that control measures are selected, designed, installed, implemented and maintained to minimize the discharge of pollutants and prevent a violation of the water quality standards, meeting the non-numeric effluent limitations in Part I.B.1.(a)-(f) of the SPDES General Permit and in accordance with the New York State Standards and Specifications for Erosion and Sediment Control, dated August 2005 and November 2016.
2. Retain the services of a “Qualified Inspector” or “Qualified Professional”.
3. Sign the completed NOI.
4. Submit the electronic version of the NOI (eNOI) along with the MS4 SWPPP acceptance form using the NYSDEC’s website (<http://www.dec.ny.gov/chemical/43133.html>) or submit the signed NOI along with the MS4 SWPPP acceptance form to the following:

NOTICE OF INTENT
NYS DEC, Bureau of Water Permits
625 Broadway, 4th Floor
Albany, New York 12233-3505

City of Beacon
Reuben Simmons Jr.
Highway Superintendent
1 Municipal Plaza
Beacon NY 12508
P: (845) 831-0932
Email: jighway@cityofbeacon.org

5. Pay the required initial and annual fees upon receipt of invoices from NYSDEC.
6. Prior to the commencement of construction activity, identify the contractor(s) and subcontractor(s) that will be responsible for implementing the erosion and sediment control measures and stormwater management practices described in this SWPPP. Have each of these contractors and subcontractors identify at least one "Trained Contractor" that will be responsible for the implementation of the SWPPP. Ensure that the Contractor has at least one "Trained Contractor" on site on a daily basis when soil disturbance activities are being performed.
7. Schedule a pre-construction meeting which shall include the City of Beacon representative, Owner's/Operator's Engineer, Contractor, and their sub-contractors to discuss responsibilities as they relate to the implementation of this SWPPP.
8. Require the Contractor to fully implement the SWPPP prepared for the site by the Owner/Operator's Engineer to ensure that the provisions of the SWPPP are implemented from the commencement of construction activity until all areas of disturbance have achieved final stabilization and the Notice of Termination (NOT) has been submitted to the NYSDEC.
9. Forward a copy of the NOI Acknowledgement Letter received from the regulatory agency to the Owner's/Operator's Engineer for project records, and to the Contractor for display at the construction site.
10. Maintain a copy of the General Permit (GP-0-15-002), NOI, NOI Acknowledgement Letter, SWPPP, MS4 SWPPP Acceptance Form, inspection reports, Spill Prevention, Countermeasures, Cleanup ("SPCC") Plan, and all documentation in accordance with Part I.F.8.a.-d of GP-0-15-002 necessary to demonstrate eligibility with the permit at the construction site, until all disturbed areas have achieved final stabilization and the NOT has been submitted to the NYSDEC. Place documents in a secure location that must be accessible during normal business hours to an individual performing a compliance inspection.
11. Submit a Notice of Termination (NOT) form within 48 hours of receipt of the Owner's/Operator's Engineer's certification of final site stabilization to the following:

NOTICE OF TERMINATION
NYS DEC, Bureau of Water Permits
625 Broadway, 4th Floor
Albany, New York 12233-3505

City of Beacon
Reuben Simmons Jr.
Highway Superintendent
1 Municipal Plaza
Beacon NY 12508
P: (845) 831-0932
Email: jighway@cityofbeacon.org

12. Request and receive all SWPPP records from the Owner's/Operator's Engineer and archive those records for a minimum of five (5) years after the NOI is filed.
13. Implement the Post-Construction Inspections and Maintenance procedures outlined on the plans.
14. The NOI, SWPPP, and inspection reports required by GP-0-15-002 are public documents that the Owner/Operator must make available for review and copying by any person within five (5) business days of the Owner/Operator receiving a written request by any such person to review the NOI, SWPPP, or inspection reports. Copying of documents will be done at the requester's expense.
15. The Owner/Operator must keep the SWPPP current at all times. At a minimum, the Owner/Operator shall amend the SWPPP:
 - a) Whenever the current provisions prove to be ineffective in minimizing pollutants in stormwater discharges from the project site;
 - b) Whenever there is a change in design, construction, or operation at the construction site that has or could have an effect on the discharge of pollutants; and
 - c) To address issues or deficiencies identified during an inspection by the "Qualified Inspector," the Department, or other Regulatory Authority.

Owner's/Operator's Engineer's Responsibilities

1. Prepare the SWPPP using good engineering practices, best management practices, and in compliance with all federal, state, and local regulatory requirements.
2. Prepare the Notice of Intent (NOI) form, sign the "SWPPP Preparer Certification" section of the NOI, and forward to Owner/Operator for signature.
3. Provide copies of the SWPPP to the City of Beacon once all signatures and attachments are complete.
4. Enter Contractor's information in "SWPPP Participants" once a Contractor is selected by the Owner/Operator.

5. Update the SWPPP each time there is a significant modification to the pollution prevention measures or a change of the principal Contractor working on the project who may disturb site soil.
6. Conduct a Final Inspection of the site once notified by the Contractor that all work is complete and the site has reach Final Stabilization.
7. Prepare the Notice of Termination (NOT). Sign the NOT Certifications VI (Final Stabilization) and forward the NOT to the Owner/Operator for signature on Certification VIII (Owner/Operator Certification).
8. Transfer the SWPPP documents, along with all NOI's, permit certificates, NOT's, and any written records required by the General Permit to the Owner/Operator for archiving.

Contractor's Responsibilities

1. Sign the SWPPP Contractor's Certification Form and forward to the Owner's/Operator's Engineer for inclusion in the Site Log Book.
2. Identify at least one Trained Contractor that will be responsible for implementation of this SWPPP. Ensure that at least one Trained Contractor is on site on a daily basis when soil disturbance activities are being performed. The Trained Contractor shall inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily to ensure that they are being maintained in effective operating conditions at all times. If deficiencies are identified, the contractor shall begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.
3. Provide the names and addresses of all subcontractors working on the project site. Require all subcontractors who will be involved with construction activities that will result in soil disturbance to identify at least one Trained Contractor that will be on site on a daily basis when soil disturbance activities are being performed; and to sign a copy of the Subcontractor's Certification Form then forward to the Owner's/Operator's Engineer for inclusion into the Site Log Book. This information must be retained as part of the Site Log Book.
4. Participate in a pre-construction meeting which shall include the City of Beacon representative, Owner/Operator, Owner's/Operator's Engineer, and all subcontractors to discuss responsibilities as they relate to the implementation of this SWPPP.
5. Implement site stabilization, erosion and sediment control measures, and other requirements of the SWPPP.
6. In accordance with the requirements in the most current version of the NYS Standards and Specifications for Erosion and Sediment Control, conduct inspections of erosion and sediment control measures installed at the site to ensure that they remain in effective operating condition at all times. Prepare and retain written documentation of inspections as well as of all repairs/maintenance activities performed. This information must be retained as part of the Site Log Book.

7. Maintain a record of the date(s) and location(s) that soil restoration is performed in accordance with the accompanying plans and NYSDEC Division of Water's publication "Deep-Ripping and Decompaction," dated April 2008. The record that is to be maintained shall be a copy of the overall site grading plan delineating the area(s) and date(s) that the soil was restored.
8. Upon completion of all construction at the site, the contractor responsible for overall SWPPP Compliance shall sign the certification on their Contractor Certification Form indicating that: a.) all temporary erosion and sediment control measures have been removed from the site, b.) the on-site soils disturbed by construction activity have been restored in accordance with the SWPPP and the NYSDEC Division of Water's publication "Deep-Ripping and Decompaction".

Qualified Inspector's/Qualified Professional's Responsibilities

1. Participate in a pre-construction meeting with the City of Beacon representative, Owner/Operator, Contractor, and their subcontractors to discuss responsibilities as they relate to the implementation of this SWPPP.
2. Conduct an initial assessment of the site prior to the commencement of construction and certify in an inspection report that the appropriate erosion and sediment control measures described within this SWPPP have been adequately installed and implemented to ensure overall preparedness of the site.
3. Prepare a construction Site Log Book to be used as a record of all inspection reports generated throughout the duration of construction.
4. Conduct a Final Inspection of the site once notified by the Contractor that all work is complete and the site has reach Final Stabilization.
5. Prepare the Notice of Termination (NOT). Sign the NOT Certifications VI (Final Stabilization) and forward the NOT to the Owner/Operator for signature on Certification VIII (Owner/Operator Certification).
6. Transfer the SWPPP documents, along with all NOI's, permit certificates, NOT's, construction Site Log Book, and written records required by the General Permit to the Owner/Operator for archiving.

SWPPP Participants

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|---------------------------------|--|
| 1. Owner's/Operator's Engineer: | Edward F. Vergano, PE
Badey & Watson
3063 Route 9
Cold Spring, NY 10516
Phone: 845-265-9217
Fax: 845-265-4428 |
|---------------------------------|--|

2. Owner/Operator:

Penelope Hedges
31 Mountain Lane,
Beacon NY 12508
Phone: 845-677-8582

2. Contractor:

Name and Title: _____

Company Title: _____

Mailing Address: _____

Phone: _____

¹ Contractor's information to be entered once the Contractor has been selected.