

CONSTRUCTION DURATION INSPECTION

CONSTRUCTION DURATION INSPECTION NO. 1
EDEN WOODS PROJECT SITE
ZIMMERMAN ROAD
TOWN OF FALLSBURG, SULLIVAN COUNTY, NY
KA PROJECT NO. 1383.00810.2

* See action items on page #2.

[Insert Not Available]

IMAGE IS NOT TO SCALE AND IS FOR REFERENCE PURPOSES ONLY

SITE PLAN/SKETCH

KEYSTONE ASSOCIATES, LLC

Timothy M. O'Connor, CPESC, CPSWQ / Keystone
Qualified Inspector (Name & Sign)

4/12/17
Date of Inspection & Start Time

Same
Qualified Professional (print name)

Timothy M. O'Connor
Qualified Professional Signature

The above signed acknowledges that, to the best of his/her knowledge, all information provided on the forms is accurate and complete.

*Site Photographs are attached with this report.

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ACTION ITEMS: The contractor or subcontractor should begin implementing the following corrective actions within one business day of notification and should complete the corrective actions in a reasonable time frame in accordance with applicable SPDES regulations (GP-0-15-002 General Permit):

- It appears that EISC practices are being maintained on-site however Spring/winter conditions have inhibited access to some areas on-site. The following action items were identified:
- ① All Contractors must sign a "Contractor Certification Form" binding them to the suppp. Such documentation should be kept in the on-site logbook.
 - ② Repair both construction entrances per provided detail. The entrances will likely require frequent maintenance until stabilization is reached.
 - ③ As the site dries and access can be granted, All inactive areas such as around the basin and swate areas should be temporarily stabilized with seed & mulch ASAP.
 - ④ Additional checkdams should be placed in all on-site swates.
 - ⑤ Provide rock outlet protection at all pipe discharge locations.

Recent Activities: Most of the site has been cleared and the sediment trap has been constructed and appears to be working effectively. The contractor just began foundation excavations however has not yet poured concrete. Contractor is trying to divert surface water to the sediment trap in order to dry up the site.

Qualified Inspector: Timothy M. O'Conner, CPESC & CFSWA by Keystone Associates.

Weather & Soil Conditions: site is saturated from recent winter snow & spring rain conditions. Access to much of the site has been limited due to saturated soil conditions.

Description of runoff at all points of discharge from the Site:

1. **List Discharge Point(s):** The sediment trap was not discharging & the adjacent stream was very clear both upgradient & downgradient of the site.

Description of natural surface water bodies within or adjacent to the Site:

1. **List Surface Water Bodies:** See above note.

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Maintaining Water Quality

Yes No NA

- Is there an increase in turbidity causing a substantial visible contrast to natural conditions at the outfalls?
- Is there residue from oil and floating substances, visible oil film, or globules or grease at the outfalls?
- All disturbance is within the limits of the approved plans.
- Have receiving lake/bay, stream, and/or wetland been impacted by silt from project?

Keystone Notes:

The basin was not discharging and the adjacent stream was clear.

Housekeeping

1. General Site Conditions

Yes No NA

- Is construction site litter, debris and spoils appropriately managed?
- Are facilities and equipment necessary for implementation of erosion and sediment control in working order and/or properly maintained?
- Is construction impacting the adjacent property?
- Is dust adequately controlled?

Keystone Notes:

2. Temporary Stream Crossing

Yes No NA

- Maximum diameter pipes necessary to span creek without dredging are installed.
- Installed non-woven geotextile fabric beneath approaches.
- Is fill composed of aggregate (no earth or soil)?
- Rock on approaches is clean enough to remove mud from vehicles & prevent sediment from entering stream during high flow.

Keystone Notes:

3. Stabilized Construction Access

Yes No NA

- Stone is clean enough to effectively remove mud from vehicles.
- Installed per standards and specifications?
- Does all traffic use the stabilized entrance to enter and leave site?
- Is adequate drainage provided to prevent ponding at entrance?

Keystone Notes:

See action items as both entrances were deficient.

Runoff Control Practices

1. Excavation Dewatering

Yes No NA

- Upstream and downstream berms (sandbags, inflatable dams, etc.) are installed per plan.
- Clean water from upstream pool is being pumped to the downstream pool.
- Sediment laden water from work area is being discharged to a silt-trapping device.
- Constructed upstream berm with one-foot minimum freeboard.

Keystone Notes:

The contractor was creating small temporary swales to drain the surface of the site towards the sediment trap. This will help promote drying of the soil & better access to the site so that temporary stabilization (sealing/mulching) can be performed.

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2. Flow Spreader

Yes No NA

- Installed per plan.
 Constructed on undisturbed soil, not on fill, receiving only clear, non-sediment laden flow.
 Flow sheets out of level spreader without erosion on downstream edge.

Keystone Notes:

3. Interceptor Dikes and Swales

Yes No NA

- Installed per plan with minimum side slopes 2H:1V or flatter.
 Stabilized by geotextile fabric, seed, or mulch with no erosion occurring.
 Sediment-laden runoff directed to sediment trapping structure

Keystone Notes:

Additional temporary stabilization is required onsite.

4. Stone Check Dam

Yes No NA

- Is channel stable? (flow is not eroding soil underneath or around the structure).
 Check is in good condition (rocks in place and no permanent pools behind the structure).
 Has accumulated sediment been removed?

Keystone Notes:

Additional check dams were being installed during the site visit, in attempts to promote filtration of upgradient turbid water from entering the site's discharge location.

5. Rock Outlet Protection

Yes No NA

- Installed per plan.
 Installed concurrently with pipe installation.

Keystone Notes:

See Action items

Soil Stabilization

1. Topsoil and Spoil Stockpiles

Yes No NA

- Stockpiles are stabilized with vegetation and/or mulch.
 Sediment control is installed at the toe of the slope.

Keystone Notes:

*Areas have been hydroseeded but require additional applications.
A downgradient swale has been installed to direct flow to the sediment trap.*

2. Revegetation

Yes No NA

- Temporary seedings and mulch have been applied to idle areas.
 4 inches minimum of topsoil has been applied under permanent seedings

Keystone Notes:

*Areas have been hydroseeded however require additional applications.
See Action items*

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Sediment Control Practices

1. Silt Fence and Linear Barriers

Silt fence installed properly and was in good condition.

Yes No NA

- Installed on Contour, 10 feet from toe of slope (not across conveyance channels).
- Joints constructed by wrapping the two ends together for continuous support.
- Fabric buried 6 inches minimum.
- Posts are stable, fabric is tight and without rips or frayed areas. Sediment accumulation is 0 % of design capacity.

Keystone Notes:

2. Storm Drain Inlet Protection (Use for Stone & Block; Filter Fabric; Curb; or, Excavated; Filter Sock or Manufactured practices)

Yes No NA

- Installed concrete blocks lengthwise so open ends face outward, not upward.
- Placed wire screen between No. 3 crushed stone and concrete blocks.
- Drainage area is 1 acre or less.
- Excavated area is 900 cubic feet.
- Excavated side slopes should be 2:1.
- 2" x 4" frame is constructed and structurally sound.
- Posts 3-foot maximum spacing between posts.
- Fabric is embedded 1 to 1.5 feet below ground and secured to frame/posts with staples at max 8- inch spacing.
- Posts are stable, fabric is tight and without rips or frayed areas.
- Manufactured insert fabric is free of tears and punctures.
- Filter Sock is not torn or flattened and fill material is contained within the mesh sock. Sediment accumulation ___% of design capacity.

Keystone Notes:

Inlets were not present on-site yet.

3. Temporary Sediment Trap

Yes No NA

- Outlet structure is constructed per the approved plan or drawing.
- Geotextile fabric has been placed beneath rock fill.
- Sediment trap slopes and disturbed areas are stabilized. Sediment accumulation is 0 % of design capacity.

Keystone Notes:

See action items. The area has recently been too saturated to provide temporary stabilization. Mr. Ward was asked to provide temporary stabilization as soon as conditions allow this week.

4. Temporary Sediment Basin

Yes No NA

- Basin and outlet structure constructed per the approved plan.
- Basin side slopes are stabilized with seed/mulch.
- Drainage structure flushed and basin surface restored upon removal of sediment basin facility.
- Sediment basin dewatering pool is dewatering at appropriate rate. Sediment accumulation is ___% of design capacity.

Keystone Notes:

See above note.

CONSTRUCTION DURATION INSPECTION

Modifications to the SWPPP (To be completed as described below)

The Operator shall amend the SWPPP whenever:

1. There is a significant change in design, construction, operation, or maintenance which may have a significant effect on the potential for the discharge of pollutants to the waters of the United States and which has not otherwise been addressed in the SWPPP; or
2. The SWPPP proves to be ineffective in:
 - a. Eliminating or significantly minimizing pollutants from sources identified in the SWPPP and as required by this permit; or
 - b. Achieving the general objectives of controlling pollutants in stormwater discharges from permitted construction activity; and
3. Additionally, the SWPPP shall be amended to identify any new contractor or subcontractor that will implement any measure of the SWPPP.

Cumulative List of SWPPP Modifications: (Provided Sequentially)

1. The sites originally proposed downgradient Swale has been temporarily placed on the upgradient side of the proposed road until the roadway is constructed. The modification has regularly been reviewed by the Town and is working effectively. See Mr. Jim Ward with any questions.

Stormwater Inspection Form

Project: Eden Woods Estates
 Permit No: 118388

Inspected On: 11/17
 Inspected By: [Signature]

Inspection Item	Pass	Fail	Remarks
1. Erosion Control			
2. Sediment Control			
3. Stormwater Management			
4. Access Control			
5. Best Management Practices			
6. Other			

Stormwater Inspection Form

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 Inspected By: [Signature]

Remarks: *Check for debris and silt*

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EDEN WOODS ESTATES EROSION CONTROL LOG BOOK

PERMIT # NYR 118388

ZIMMERMAN ROAD
 TOWN OF FALLSBURG
 SULLIVAN COUNTY, NY

Prepared For:
 Mr. Joe Gancz
 Eden Woods Estates, LLC
 3119 Avenue N
 Brooklyn N.Y. 11234

Ecological

Project No. _____ Date: December 2014







