

Narrative Describing the Activities to Take Place at Silver Falls Rd
M/B/L 001 007 00A
CLA #7885

This section is responsive to the Town of Montville Inland Wetlands Checklist, page 2
Item 3, Narrative.

Alternatives considered

This site is a developable parcel of land that has wetland along the entire road frontage as shown on the project plans. As such, the access driveway was located to minimize the total area of wetland disturbance by crossing the wetlands at the narrowest point.

Description of the activity including location and square footage of disturbance.

The overall project consists of a 4-lot residential subdivision to be accessed from Silver Spring Rd in Montville. The proposed development includes on site driveways, septic systems, wells, rain gardens and a stormwater treatment basin. The regulated activity includes both direct wetland impacts and activities with the 50-foot upland review zone. Both the direct wetland impacts, and the upland review zone activities are itemized below.

Direct wetland impacts:

1. *As shown on plan sheet 3, the first area of wetland fill (1970 s.f. of direct impact) is proposed approximately 100 feet from the intersection of the driveway and Silver Falls Rd. This fill is for elevation of the driveway and placement of a single 15-inch diameter culvert with riprap protection at both the inlet and outlet. Temporary erosion and sedimentation control will also be placed around the work area.*
2. *As shown on plan sheet 3, the second area of wetland impact (160 s.f. of wetland fill) is approximately 250 feet from the intersection of the driveway and Silver Falls Rd. This fill is for the elevation of the driveway. Temporary erosion and sedimentation control will also be placed around the work area.*
3. *As shown on plan sheet 3, the third area of wetland impact (2460 s.f. of wetland fill) is approximately 330 to 370 feet from the intersection of the driveway and Silver Falls Rd. This fill is for the elevation of the driveway. Temporary erosion and sedimentation control will also be placed around the work area.*

Work in the Upland Review zone:

As shown on plans sheet three, the work in the upland review zone includes

1. *Construction of the first approximately 430 linear feet of the driveway with pavement of the first 200 linear feet,*
2. *Construction of water quality basins 1 and 5. Basin 1 is approximately 70'x45' with a WQV of 3100 c.f. and basin 5 is approximately 20'x35' with a WQV of 800 c.f.*
3. *Installation of 3 15-inch diameter culverts under the emergency access driveway,*
4. *Installation of the first approximately 100 feet and last 100 feet of the emergency access driveway,*
5. *Temporary installation of erosion and sediment control barriers.*

There will be a loss of approximately 4590 square feet of forested wetland in three separate locations within the first 400 feet of the intersection with Silver Falls Rd. As noted above, the construction will include a 15 inch diameter culvert at the first wetland crossing location to provide connectivity to the upslope wetland and to protect the driveway. This work will be done only after meeting with town staff and installation of the proper erosion and sediment control measures. The work will be done with excavators, bulldozers and dump trucks.

What type of erosion and sediment control will be used?

As shown on the site plan, the following best management practices will be employed:

1. An anti-tracking pad at the construction entrance.
2. A rip rap swale along the edge of the driveway
3. Silt fence along the limits of disturbance
4. De-watering, if needed, as shown on the de-watering detail on the site plans.

If machinery will be used or if work will be done by hand.

Machinery will be used and it will include typical heavy construction machines such as excavators, bulldozers, and dump trucks.

1. Construction and grading of a common driveway across the property from Silver Falls Rd to the four unique housing lots in the subdivision. Contractors will utilize typical excavators, loaders, rollers, and dump trucks for the construction of the driveway.
2. Construction of a 15" culvert beneath the driveway to promote connectivity in the wetland on both sides of the driveway.
3. Construction of a 70' by 45' stormwater quality basin within the upland review area (outside of the wetland) to manage runoff from the driveway area.
4. Implementation of erosion and sedimentation control measures in and around the project area including silt fence, grassed swale, anti-tracking pad, and hay bale barrier.

Identify the sub-drainage basin where the proposed activity will occur.

The sub-drainage basin is number 2202.