

### WETLAND SOILS:

Wetland soils were not found to existing on the property. The regulated watercourse limit is the high-water mark of Lake Pocotopaug which follows the face of the stone retaining wall on the easterly side of the property. See the attached soil scientist's report for additional information.

### STORMWATER MANAGEMENT:

The redevelopment of the subject property is intended to improve stormwater quality from pre-development conditions. Impervious area on the property will be reduced from 5,315 square feet (former residence, deck and paved driveway area) to 4,322 square feet (proposed residence and garage, deck, shed and paved driveway area). The remainder of the proposed driveway access to Sears Lane will be a pervious stone/gravel surface.

The first inch of runoff from the proposed impervious areas will be captured and infiltrated. Runoff from the paved driveway area will flow through a stone infiltration trench before draining to a rain garden area with buried infiltrator units to increase storage capacity. The roof drains of the residence will also drain to the rain garden area. The roof drains for the garage will drain to the buried infiltration system below the rain garden.

### SEDIMENTATION AND EROSION CONTROL:

The total proposed disturbed area is 0.48 acres. The property slopes to the east towards Lake Pocotopaug. The majority of the soil disturbance is within the footprint of the proposed residence and immediate surrounding areas as required to install the supporting infrastructure and residential improvements. A continuous sediment barrier is proposed at the limits of the proposed disturbance following the top of the retaining wall to the east and the northerly and southerly property lines. The barrier will consist of either a sediment fence or wood chip berm formed from wood chips generated during clearing for the construction of the new gravel/stone driveway. All disturbed areas will be seeded with a specified seed mix for final stabilization. The proposed 3H:1V side slope along the driveway will be stabilized with an erosion control blanket. The bank is required to achieve running slopes along the driveway that will allow for a pervious surface per the East Hampton Zoning Regulations.