

**PLAN OBJECTIVES AND PRINCIPALS:**

The objectives of the Soil Erosion and Sediment Control Plan are to manage both the runoff and the earthwork operations by using Best Management Practices. The objectives are as follows:

- Control erosion at its source with temporary control measures, minimize the runoff from areas of disturbance, distribute stormwater through natural vegetation before being discharged into wetland systems.
- Keep land disturbance to a minimum.
- Construct the project in phases to minimize the area of the site under active construction at one time.
- Retain existing vegetation wherever feasible. Siltation fence or other barriers will be used to limit the extent of earthwork. Substantial buffers will be provided to the wetland/watercourse systems.
- Stabilize disturbed areas as soon as practical. Earth disturbance shall not occur on a given area until active construction is to take place in this area.
- Minimize the length and steepness of slopes.
- Maintain low runoff velocities.
- Trap sediment on site. Siltation fence barriers and road construction entrance will trap sediment during the construction period.
- Establish a maintenance and repair program during the construction period. Erosion control measures will be inspected weekly during the spring months, twice a month during the summer and/or following rainfall events of greater than 0.5 inches and repaired as needed to ensure that they function properly.
- Assign responsibility for the maintenance program. The responsibility for the maintenance program will be assigned to the contractor who shall designate one of its supervisory personnel to be the liaison to the owner's representative. The owner shall retain the services of a licensed professional who shall inspect and monitor the contractor's methods and have the authority to require modifications to the Erosion and Sediment Control Plan. The town will be copied on all inspection reports prepared on behalf of the project.

**TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES - MAINTENANCE REQUIREMENTS:**

- Dust Control:** Water shall be applied by sprinkler or water truck as necessary during the grading operations to minimize sediment transport and maintain acceptable air quality conditions. Repetitive treatments will be done as needed until grades are paved or seeded.
- Siltation Fence:** All Silt Fence shall be inspected twice a year for sediment accumulation. If the sediment depth against the silt fence is greater than 25% of the height of the Silt fence, the sediment shall be removed and disposed of in a proper manner.

**CONTROL PLAN IMPLEMENTATION:**

- The contractor shall inspect the effectiveness and condition of erosion control devices during storm events, and after each rainfall event of 0.5" or more, prior to weekends and prior to forecasted large storm events.
- The contractor shall repair or replace damaged erosion control measures immediately, and in case, more than four hours after observing such deficiencies.
- The contractor shall be prepared to implement interim drainage controls and erosion control measures as may be necessary during the course of construction.
- The contractor shall make available on-site all equipment, materials and labor necessary to effect emergency erosion control measures within four hours of any impending emergency situation.
- The contractor shall make a final inspection, clean all cross culverts and sweep off roadways before the road is dedicated to the town.
- The contractor shall have on call at all times, a responsible representative who, when authorized, will mobilize the necessary personnel, materials and equipment and otherwise provide the required action when notified of any impending emergency situation.
- The contractor shall supply a telephone number to the town engineer, planning agent so that the contractor may be contacted during the evenings and on weekends, if necessary.

**GENERAL EROSION AND SEDIMENTATION CONTROL PLAN NOTES:**

- Regrading on this site shall be done in such a manner as to prevent stagnant water from collecting in depressions.
- All erosion and sedimentation control measures will be installed prior to the start of any construction activity.
- All erosion and sedimentation control measures shall be constructed in accordance with the submitted construction details and in compliance with the specifications and standards found in the "Guidelines for Soil Erosion and Sediment Control" as prepared by the State of Connecticut, revised to 2002.
- Two rows of siltation fence barrier will be installed at the limit of all disturbed areas.
- All work done shall be in accordance with the details shown on the plans.
- Land disturbance will be kept to a minimum. Restabilization of all disturbed areas will occur as soon as final grading is complete.
- All erosion and sedimentation control measures will be maintained in an effective conditions throughout the construction period.
- Accumulated sediment will be removed from the control structures and disposed of in a lawful and safe manner.
- Additional control measures will be installed during the construction period if the Zoning or Wetland Enforcement Officer requires them. The design engineer shall inspect the site periodically to ensure the proper installation of erosion control measures.
- Regular inspections of the construction site shall be made by a representative of the Town of Weston and a professional retained by the owner to assure compliance with the approved plans.
- The responsibility for implementing the erosion and sedimentation control plan, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the appropriate town agencies of any transfer of this responsibility and for conveying a copy of the erosion and sedimentation control plan if title to the land is transferred is placed upon the owner of record.

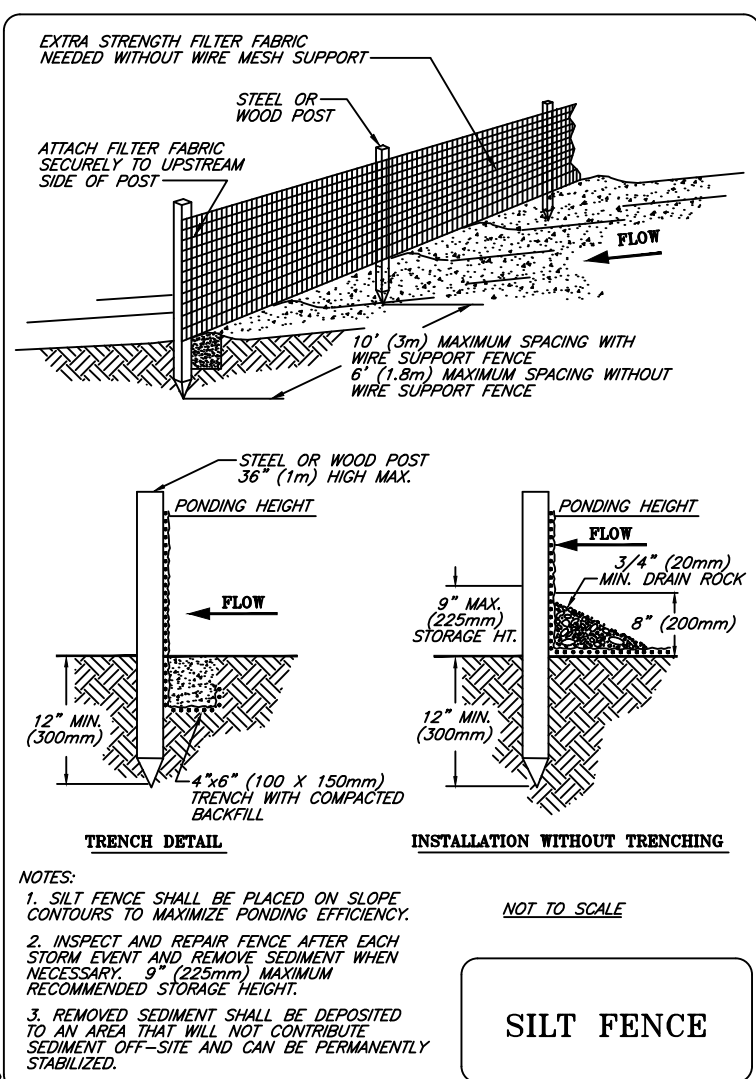
**SITE INSPECTION OBSERVATIONS:**

- While portions of the slope are becoming vegetated, it is mostly crab grass.
- Many areas of the slope are steeper than 2:1 which are not safe with the height of fill being 6' to 7' above the lower grade.
- The steeper slopes shall be regraded to a maximum slope of 3:1, then covered with a minimum of 4" of topsoil, seeded with a pollinator seed mixture and covered with straw mulch.
- Stones found on the slopes to be regraded which are 18" or larger in diameter shall be removed from the slope to allow the slope to be regraded and the stones shall be placed along the bottom of the slope at the original grade. If there are enough rocks, they shall be placed on the slope above the bottom layer of stones.
- Soil removed from the regrading of the slope shall be placed in the flatter areas along the driveway, spread out, then covered with 4" of topsoil, seeded with perennial rye grass and covered with straw mulch.
- As it is late in the season to get grass to germinate fully before winter sets in, it is my recommendation that slope remain as it through the winter and then in April, the regrading is promptly done, so the seed mixtures can fully germinate.
- The planting shown on the plan need to be installed this fall as there is ample time to become established before the winter.

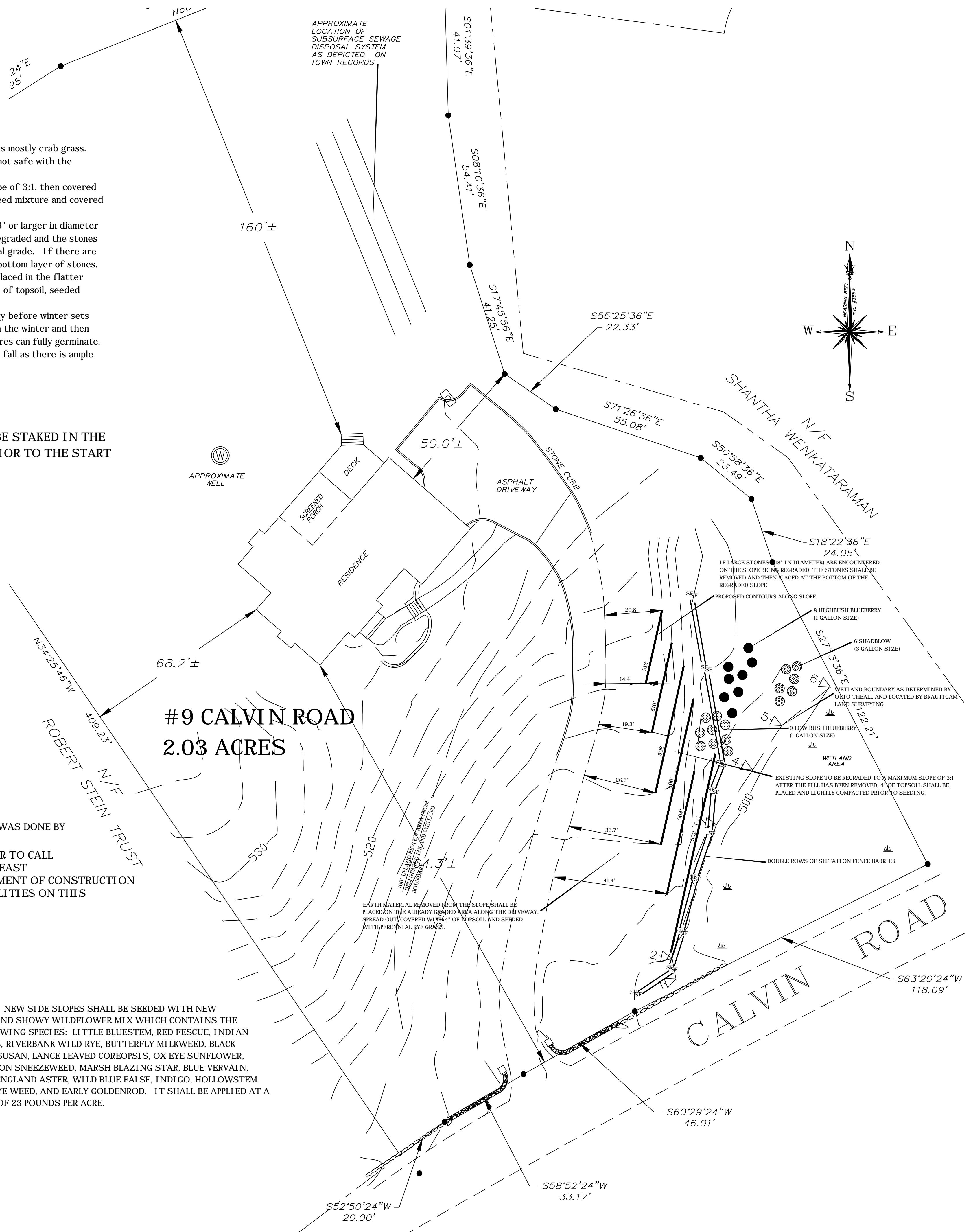
**NOTE: LIMIT OF REGRADED SLOPE SHALL BE STAKED IN THE FIELD BY THE PROJECT LAND SURVEYOR PRIOR TO THE START OF THE REGRADED ACTIVITIES.**

**NOTE: SURVEY LOCATION AND TOPOGRAPHIC SURVEY WAS DONE BY BRAUTIGAM LAND SURVEYING.**

**IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALL "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION FOR THE LOCATION OF ANY UNDERGROUND UTILITIES ON THIS PROPERTY.**



**NOTE: NEW SIDE SLOPES SHALL BE SEEDED WITH NEW ENGLAND SHOWY WILDFLOWER MIX WHICH CONTAINS THE FOLLOWING SPECIES: LITTLE BLUESTEM, RED FESCUE, INDIAN GRASS, RIVERBANK WILD RYE, BUTTERFLY MILKWEED, BLACK EYED SUSAN, LANCE LEAVED COREOPSIS, OX EYE SUNFLOWER, COMMON SNEEZEWEED, MARSH BLAZING STAR, BLUE VERVAIN, NEW ENGLAND ASTER, WILD BLUE FALSE, INDIGO, HOLLOWSTEM JOE PYE WEED, AND EARLY GOLDENROD. IT SHALL BE APPLIED AT A RATE OF 23 POUNDS PER ACRE.**



PREPARED FOR  
**KLEBER & KERRY QUIMI**  
 9 CALVIN ROAD  
 WESTON - CONNECTICUT

**SLOPE STABILIZATION PLAN**  
 PROJECT #018-2023  
 SCALE: 1"= 20'  
 DATE: 3/7/23, Rev. to 10/15/24



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