

NARRATIVE

1. Project Description

a. Proposed Activity

Weston & Sampson was hired by the Town of South Windsor to perform design services for the roadway reconstruction of Beelzebub Road from Foster Street to approximately 400-ft west of Avery Street. The proposed improvements consist of full depth road reconstruction, construction of 4-ft wide concrete sidewalk, drainage improvements, and curbing. The existing roadway is in poor condition with inadequate drainage systems. The pavement is explicitly showing weathered/damaged conditions along with many patches and sealed cracks.

The proposed solution includes minor adjustments to the vertical and horizontal alignments, cross-slope correction to maintain a normal crown, driveway reconstruction, the addition of storm drainage structures, upgraded pipe sizes, and water quality measures. The sidewalk will be installed with a 4-ft minimum snow shelf, and it will be sloped appropriately to minimize impacts to private property while complying with ADA standards.

Water quality will be maintained and protected via the use of erosion and sedimentation prevention measures and the use of best management practices for construction activity within the upland buffer zone. Sedimentation and erosion control measures include a silt fence and inlet protection at catch basins.

b. Wetlands and Watercourses

Information regarding wetlands/watercourses were obtained from the wetland flagging performed by Jeffrey H. Folger. A Wetlands/Watercourses Delineation Report was not prepared as part of Mr. Folger's work. The limits of wetlands are included in the survey performed by Weston & Sampson and are shown in the attached plans. The limits of Avery Brook, which crosses Beelzebub Road, were not surveyed and are not shown on the plans.

Based on the flagged wetland limits of Avery Brook, an 80-ft buffer zone (based on guidance from the Town Engineer) has been applied to determine the proposed impacts within the upland review area.

The project will have an upland review area impact of approximately 28,894 square feet (0.66 acres). This roadway improvement project will result in approximately 402 SF of permanent wetlands/watercourse impacts and 246 SF of temporary wetlands/watercourse impacts. Permit Plans included in Appendix A show the extent of permanent and temporary impacts. These impacts are due to proposed outlet protection at the outfall.