



December 12, 2018
BCE File: 18136

Maureen O'Meara, Town Planner
Town of Cape Elizabeth
320 Ocean House Road
P.O. Box 6260
Cape Elizabeth, Maine 04107

RE: Scott Dyer Road, Phase 2 Improvements – Resource Protection Permit Review

Dear Maureen:

We have received and reviewed a submission package for the subject project. The package included a fourteen (14) drawing set of plans dated December 6, 2018, a December 6, 2018 cover letter and submission requirements checklist for the Resource Protection permit, a December 6, 2018 stormwater runoff report with supporting pipe calculations, and a wetlands report dated November 27, 2018. These documents were all submitted by Sebago Technics, Inc. Based on our review of the submitted material and the project's conformance with the technical requirements of Section 19-8-3, Resource Protection Performance Standards, we offer the following comments:

1. The Town of Cape Elizabeth is requesting a Resource Protection Permit to reconstruct a portion of Scott Dyer Road, from the Patricia Drive intersection to the Spurwink Avenue intersection. The project will consist of the reconstruction of the two existing travel lanes, the addition of two, four-foot wide paved shoulders, and the construction of a five-foot wide paved sidewalk with associated concrete curbing on the southern side of the road. The project will create a total of 1,194 square feet of wetlands disturbance due to the widening and grading activities.
2. We understand that the Board will be conducting a completeness review for this project at their upcoming meeting. In our opinion, the submitted materials represent a completed package and the remainder of our comments are provided to facilitate the review process.
3. Due to the linear nature of the road reconstruction and the minimal amount of wetlands disturbance from the associated grading activities, we support the waiver request from the required high intensity soils map and the pre/post development drainage plans/calculations.
4. Two new pipe outfalls are proposed along the southern side of Scott Dyer Road. One will be installed approximately 50' to the East and one installed approximately 50' to the West of the existing 54" culverts within Willow Brook. These new outfalls will convey flow into Willow Brook from nine proposed catch basins that will connect sub-surface piping along

Scott Dyer Road. Level lip spreaders have been specified at the outfalls of the new pipe discharges to dissipate the energy of the stormwater and uniformly spread the flow into Willow Brook. The designer should specify the lengths of the proposed spreaders on the plan view or detail sheet. A note should also be added to the plans stating that the contractor shall not disturb any of the existing ground downgradient of the level lip spreaders. After a site inspection of the area, we believe that the existing ground cover between the level spreaders and Willow Brook is stable enough to handle the proposed flow in a non-erosive manner.

5. There are a few areas along the proposed project where the grading limits extend beyond the Town Right of Way, including the proposed pipe outfall locations. The applicant should obtain drainage, grading, and/or maintenance easements within these areas prior to construction.
6. The designer should add the erosion control barrier symbol at additional locations throughout the plans.
7. Permitting through the Maine Department of Environmental Protection and the Army Corps of Engineers will be required for this project. The applicant should contact these agencies to ensure that all necessary permits have been obtained prior to construction.

We trust that the above comments will assist the Board during their review of the project. Please do not hesitate to contact us should there be any questions or comments regarding our review.

Sincerely,
BLAIS CIVIL ENGINEERS



Todd J. Gammon, P.E.

cc: Matthew Sturgis, CE Town Manager
Bob Malley, CE Public Works Director
Steve Harding, Sebago Technics, Inc