

Project Information Sheet

Dunes Estates Wetland Mitigation · Tokeland, Washington

Description: This project mitigated the previous impacts to dunal and stream-associated wetlands within the lower Conner Creek watershed and the Pacific Ocean coastal area. Completion of this mitigation project allowed for the development of 27 beachfront lots. Mitigation efforts included enhancement of 2.9 acres of wetlands impacted during excavations, creation of over 3.5 acres of new wetland and the permanent preservation of over 114 acres of the lots as a wetland and wildlife sanctuary. Due to the presence of salmonoid species and the endangered Olympic Mud Minnow, 4 fish passage hindered culverts were also replaced with a 35 ft. span, concrete bridge in order to allow better fish passage between the wetlands and Conner Creek.

BS&A role: Berglund, Schmidt & Associates, Inc. provided Civil Engineering services for the design and grading of the mitigation plan proposed by AMEC Environmental. Complete drawings were developed that provided grading of wetland creation areas, wetland enhancement areas, building pads, a new parking lot with drainage and the bridge design with utility and waterline crossings. Professional surveying services were provided for initial subdivision, topographic survey of the site and construction staking and mapping. Due to the final locations of wetland creation being determined and laid out by the environmental compliance officer, periodic creation area mapping with GPS was conducted by BSA in order to verify compliance with the total area requirement of 3.4 acres of creation. Construction Management was provided during the construction phase of the project.



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