



June 6, 2011

Berni Johnston
Team 4 Engineering
5819 NE Minder Road
Poulsbo, WA 98370

RE: Regulatory Response to the Rose Master Plan

Dear Ms. Johnston:

This letter is in response to your request for the review of regulatory comments on critical areas, specifically stream typing on the Maddox Parcel in the City of Poulsbo. BGE Environmental previously reviewed the site to assess the stream channel along the western portion of the project area. Our earlier findings were a stream channel of approximately 2.5 feet bank full width with intermittent habitat, subsurface conditions in the upper reaches which transitioned abruptly to no channel with observed indicators of seasonal flow. It was our opinion that the flowing portion of the stream lacked significant channel features and habitat used by fish and that the stream is likely to go dry during the year.

Regulatory response by WDFW determined the stream to be a Type 3 until it goes subsurface. Its definition is strict application of bank full width of more than 2 feet wide, less than 16 percent gradient, and a tributary area exceeding 50 acres. Further review of WAC 222-16-031 for stream typing shows the criteria has no reference to perennial flow for Type 3 streams. In fact, there is no reference or criteria for habitat to define a Type 3 stream, rather when fish use has not been determined for the stream it is presumed to have fish use if stream segments meet the physical criteria of 2 feet or greater, a gradient of 16 percent or less, and 50 acres of tributary area.

We returned to the site to confirm bank full width measurements. Field measurements concluded that the wetted portion of the stream is 30 inches on average bank full width. Where the stream goes subsurface the average width is 22 inches. These findings define the physical nature of the stream bed and are defined as Type 3 despite lack of habitat or perennial stream flow conditions. This stream meets the physical criteria to be potentially used by fish. Fish streams may or may not have flowing water all year; they may be perennial or seasonal. Where the stream goes subsurface, the typing nomenclature defines the stream as seasonal if downstream of a perennial source of water and ephemeral if physically connected to a typed stream channel. Although there is a wetland upstream as well as contributing

stormwater facilities, the stream segment was dry February 9th, 2011 and likely only flows following g precipitation.

Sincerely,

A handwritten signature in blue ink, appearing to read "Robbyn Myers". The signature is cursive and includes a long horizontal flourish extending to the right.

Robbyn Myers, PWS