



**Washington State
Department of Transportation**
Sid Morrison
Secretary of Transportation

Southwest Region
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October 27, 1997

Mr. Hugh James, P.E.
James Engineering
6168 NE Highway 99, Suite 101 A
Vancouver WA 98665

SR 5 MP 29 Vic.
Harmony Ridge Subdivision
Kalama WA
Discharge of Stormwater

Mr. James:

We have reviewed your request to determine if adequate downstream capacity exists in our facilities to accept the runoff from the subject development without detention. Because of the information you have provided, we have been able to determine that the storage capacity does exist in Big Lake and downstream to allow your increased runoff to enter the pond without detention.

Because the hydrograph for Harmony Ridge development, discharged near the mouth of Big Lake, would peak early in the rise of the lake, it would allow much of the water to discharge before the upstream peak arrives. We believe the effect on peak flows without detention could be less than if it were detained.

The Harmony Ridge development is approved without detention.

Sincerely,

DONALD R. WAGNER, P.E.
Regional Administrator

By: MIKE L. NIEMI, P.E.
Plans/Design Engineer

DRW:edk
MLN:EDK

cc: M. Legry
P. Springer