

February 25, 2015

Agnes Kowacz
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City of Woodinville
17301 133rd Ave NE
Woodinville, WA 98072

**RE: Modi Reasonable Use Permit (CAE14001 and SEP14023)
Response to Part II of Sno-King Watershed Council's letter Dated
February 4, 2015**

Dear Agnus,

This letter is to address Part II of Sno-King Watershed Council's (SnoKing) letter dated February 4, 2015, *The Proposed Dispersion Method Does not Comply with King County's Surface Water Design Manual*.

Part II of SnoKing's letter addresses three concerns. The first concern is that the dispersion trench is placed within the building setback. The Second concern is that the flow path for the dispersion trench to achieve Full Dispersion is inadequate per the 2009 King County Surface Water Design Manual (SWDM). The third concern is that the project should follow the 2012 Department of Ecology's 2012 Stormwater Management Manual for Western Washington as Amended in December 2014 (SWMMWW). Below are responses to the concerns by the watershed council.

Concern #1, *'the dispersion trench is placed within the building setback'*

The building setbacks shown on the drawings are per the zoning/planning code only. It is understood that the 2009 SWDM has also setback requirements for stormwater BMPs regardless of what the zoning code says. Building setbacks required for stormwater BMPs will be met and reviewed by the City of Woodinville to ensure all setback requirements are being met.

Concern #2, *'the flow path for the dispersion trench to achieve Full Dispersion is inadequate per the 2009 King County Surface Water Design Manual (SWDM)'*

The watershed council quotes a section of the 2009 SWDM. Per the 2009 SWDM, Appendic C.2.1.1, Minimum Requirements for Full Dispersion (1):

“The total area of impervious surface being fully dispersed must be no more than 15% of the total area of native vegetated surface being preserved by a clearing limit per KCC 16.82 or by a recorded tract, easement, or covenant on the site”

The proposed project does indeed propose to utilize the large amount of native vegetation to achieve Full Dispersion on the site. Basic dispersion was considered, but the tributary impervious area to a trench utilizing a basic dispersion trench BMP is 3,500 sf per section C.2.4.4(1) of the 2009 SWDM. Full dispersion allows for a larger impervious tributary area and fully mitigates the runoff quantity and quality impacts of the developed site as stated in Section C.2.1 of the 2009 SWDM.. Infiltration is not feasible and the only area the geotechnical engineer has recommended for dispersion is in the area of the proposed dispersion trench.

The watershed council has noted the impervious area allowed to be conveyed to the dispersion trench is a percentage of the total native vegetated surface per the 2009 KCSM. Although it was not clear in the initial submittal, this project proposes to preserve approximately 54,470 sf in a stormwater covenant. The total area of impervious surface being fully dispersed can be 15% of this value. Fifteen percent of the area preserved for native vegetation totals 8,170 sf.

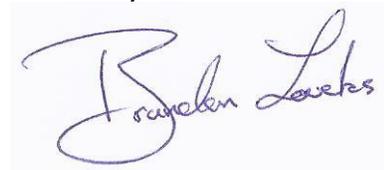
With 8,170 sf being the limit, the proposed footprints and driveways to the respective houses have been adjusted to stay under 8,170 sf. Approximately 8,100 sf is proposed.

Concern #3, *‘the project should follow the 2012 Department of Ecology’s 2012 Stormwater Management Manual for Western Washington as Amended in December 2014 (SWMMWW)’*

This is something we do not have any control over. The City of Woodinville has adopted the 2009 SWDM. Also this request contradicts Concern #2. Concern #2 is about not following the 2009 King County SWDM, and Concern #3 is saying we should not follow the 2009 King County SWDM.

Should you have any questions please feel free to contact me at (253) 301-4157.

Sincerely

A handwritten signature in blue ink that reads "Brandon Loucks". The signature is written in a cursive style with a large initial "B".

Brandon Loucks, P.E.