



Snohomish County

POINT WELLS MIXED-USE REDEVELOPMENT PROJECT EIS

PUBLIC SCOPING MEETING, FEBRUARY 18, 2014 PUBLIC COMMENTS ON SCOPE OF EIS

<u>Name</u>	<u>Address</u>	<u>Telephone/email</u>
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Susan Chang, Ph.D., P.E. (Civil/geotechnical engineer)	20109 24 th Ave NW Shoreline 98177	Susanruss@gmail.com
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Comments: The "Earth" portion of the EIS will need to seriously consider the significant slope stability and earthquake hazards issues at the site. The preliminary geotechnical report by Hart Crowser (dated Nov 16, 2010) does not give them serious weights.

(1) You need to consider how landsliding will affect bldgs esp at the upper bench. The slope is 150 to 200 feet high with drainage channels directed towards the upper bench. There was a major landslide in that slope that destroyed the access road through Woodway. Given the geology described in the report, the landslide debris found in the boring in the upper bench, the geologic contacts of Advance Outwash / over Hutton Clay that are known to be conducive to sliding, please address static and seismic slope stability relative to future development. It will not be possible to provide enough setback from the hillside as the geotech report suggests. Need to also understand why the large historical slide occurred.

(2) Liquefaction and lateral spreading are significant hazards at the site. One of the borings indicates that liquefiable soils exist to depths below the level of current retaining walls. Please address the significant potential for lateral spreading, given that existing walls along the shoreline are not deep enough to prevent movement of soil towards the water during shaking.

Input to the scope of the EIS can be given verbally at the public scoping meeting or in writing at any time during the comment period, which ends on March 3, 2014. Written comments can be sent to:

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(3) Please also address noise and vibrations that may be generated by ground improvement for liquefaction mitigation (installation of deep foundations (drilled or augured)).