

Countryman, Ryan

From: Tom McCormick <tommccormick@mac.com>
Sent: Saturday, June 03, 2017 1:06 PM
To: Countryman, Ryan
Cc: Cummings, Jason
Subject: Fwd: Pt.. Wells

Ryan,

Following up on my May 12, 2017 email, the below email presents another reason why, for safety reasons, it is imperative that the County reject BSRE's revised site plan which fails to depict a landslide hazard buffer in accordance with the County's post-OSO 2015 rules — requiring a buffer equal to 200% of the height of the slope.

Thank you.

Tom McCormick

Begin forwarded message:

From: Eric Faison </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=116698344b5141899c1024a14f4a7a5e-eric>
Subject: FW: Pt.. Wells
Date: July 20, 2016 at 12:10:22 PM PDT
To: Countryman, Ryan <ryan.countryman@snoco.org>
Cc: Carla Nichols </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b67fda878a784b2882018b3991524abb-carla>

Hi Ryan. We recently worked with DEM to review our hazard mitigation plan with our residents. As part of that discussion, one of our residents, who is an engineer, raised a question about the proposed Point Wells development. I asked him to write it down in an email so that I could forward it to you. Here it is.

e

From: Hank Landau [<mailto:hglandau@aol.com>]
Sent: Tuesday, July 19, 2016 12:23 PM
To: Eric Faison <eric@townofwoodway.com>
Cc: Carla Nichols <carla@townofwoodway.com>; Tom Phillips <tom@townofwoodway.com>; billa@townofwoodway.com
Subject: Pt.. Wells

Hello Eric,

As you requested, I am summarizing my verbal comments with respect to Pt. Wells and the potential for submerged (or partially submerged) slides. In reviewing the draft report performed by Hart Crowser for Blue Square I found no discussion of slides that could involve the level point area or occur immediately offshore from the point. Puget Sound has a history of submerged slides, and given the very steep slope offshore from Pt. Wells and the minimal geologic information, it seems important to consider the potential for such slides. Navigation charts provide a rough indication of the offshore slope. In the depth zone from 300 to 600 feet the slope loses approximately 100 vertical feet over 220 feet of horizontal distance. This is steeper than most of the bluff. The slopes in shallower water are less steep but could still pose a problem, depending on the soil / geologic conditions which are largely unknown.

Consideration of slope failures in areas of proposed development at Pt. Wells could impact the Town of Woodway, especially if the development involves egress through the town. The same earthquake which could cause a submerged slide potentially requiring evacuation could also lead to failure of the bluff and any evacuation route passing through this area. Additionally, a slide on bluff could "work its way back " to the Town of Woodway.

Hank Landau, P.E. Ph.D, FASCE, DGE