

Charles and Peggy Bryan  
P.O. Box 216  
Stevenson, WA 98648

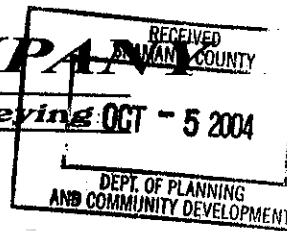
Doc # 2005157410  
Page 1 of 5  
Date: 05/24/2005 03:45P  
Filed by: PLANNING DEPARTMENT  
Filed & Recorded in Official Records  
of SKAMAHIA COUNTY  
J. MICHAEL GARVISON  
AUDITOR  
Fee: \$23.00

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| <i>Document Title(s) or transactions contained herein:</i>   |
| Technical Memorandum   |
| <i>GRANTOR(S) (Last name, first name, middle initial)</i><br><br>Charles and Peggy Bryan   |
| <input type="checkbox"/> Additional names on page _____ of document.   |
| <i>GRANTEE(S) (Last name, first name, middle initial)</i><br><br>Bryan Short Plat  |
| <input type="checkbox"/> Additional names on page _____ of document.   |
| <i>LEGAL DESCRIPTION (Abbreviated: i.e., Lot, Block, Plat or Section, Township, Range, Quarter/Quarter)</i><br><br>SW ¼ of the SE ¼, Section 6, Township 3 North, Range 8 East, W.M. |
| <input type="checkbox"/> Complete legal on page _____ of document.   |
| <i>REFERENCE NUMBER(S) of Documents assigned or released:</i><br><br>Bryan Short Plat, recorded in Auditor's File No. <u>2005157409</u>  |
| <input type="checkbox"/> Additional numbers on page _____ of document.   |
| <i>ASSESSOR'S PROPERTY TAX PARCEL/ACCOUNT NUMBER</i><br><br>03-08-06-0-0-1100-00   |
| <input type="checkbox"/> Property Tax Parcel ID is not yet assigned  |
| <input type="checkbox"/> Additional parcel numbers on page _____ of document.  |
| The Auditor/Recorder will rely on the information provided on the form. The Staff will not read the document to verify the accuracy or completeness of the indexing information.     |



# BELL DESIGN COMPANY

Civil Engineering • Land Surveying



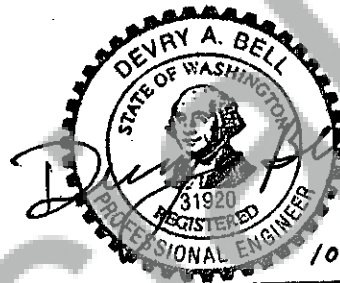
## TECHNICAL MEMORANDUM

From: Devry A. Bell, PE  
Bell Design Company  
P.O. Box 308  
Bingen, WA 98605  
(509) 493-3886

Date: October 4, 2004

To: Charles and Peggy Bryant  
P.O. Box 216  
Stevenson, WA 98648

Re: Bryan Short Plat, Skamania County SP-04-11  
Evaluation of Rock Structure Stability - Lots 2 and 3.  
Drainfield, Well and Structure Location Drawing



10-4-05

EXPIRES 11-11-05

On June 18, 2004, I visited your proposed Bryan Short property on Bear Creek Road in Skamania County for the purpose of investigating the basalt rock cliffs along the northern side of Panther Creek. It is my understanding that you are proposing a four lot short plat with Lots 2 and 3 being close in proximity to basalt rock outcroppings adjacent to Panther Creek. County requirements indicate that building sites cannot be within 50-ft of the rock bluff edge along Panther Creek without written approval of such by a geotechnical engineer. The rock outcropping appear to a part of the Columbia River Basalt Group and vary in exposed heights up to approximately 70 feet. Weathering and fracturing of the exposed basalt outcropping gives some potential for calving of large columnar sections; however, no indication of recent sloughing was visible at the base of these cliffs. Little undercutting was present along the inspected sections of the base of these cliffs. Thick moss and vegetation which indicates long term stability are present at all inspected locations.

It is the opinion of Bell Design Company that this large crystalline mass is generally stable due to its overall mass and composition. It is therefore, our recommendation that buildings could be located closer than 50 feet from the edge of the bluff line. Specific evaluations should be made prior to construction of structures with special attention being made concerning foundation design and placement. This evaluation should be made by a qualified engineer. Special effort should be made during construction to limit drainage towards the bluff line in order to limit potential freezing of runoff during freezing weather. It is also recommended that high impact or heavy vibratory equipment be limited near the edge of the bluff in order to minimize any additional fracturing of the crystalline mass.

The attached drawing shows the potential layout of structures, wells, and drainfields (including reserves). Discussions with Bruce Scherling of Skamania County regarding bluff setbacks generated the attached e-mail memo which indicates that both lots 2 and 3 are capable of supporting on-site septic systems with conditions. The added affects of the potential drainfields should not cause structural damage to the rock bluffs under normal conditions. Please see the attached e-mail memo for County Health conditions.

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DCC # 2005157410  
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Bell Design Company makes these recommendations based solely on evidence as seen in the visual inspection of the premises on the date stated above. No other information, data, soil borings, slope indicator reports, slippage monitors, density tests, or any other test was performed by Bell Design Company in order to produce this memorandum. Bell Design Company cannot and does not guarantee that this parcel will never experience slope instability caused by natural catastrophes. No warranty, express or implied, should be understood

DAB  
10-4-05

Unofficial  
Copy

**Dev Bell**

DAB

**From:** Bruce.Scherling@clark.wa.gov  
**Sent:** Tuesday, September 21, 2004 4:38 PM  
**To:** devbell@belldesigncompany.com  
**Cc:** hubka@co.skamania.wa.us  
**Subject:** RE: Chuck Bryan Short Plat in Skamania County

Thanks for the info, Dev.

Per our phone conversation, I can give a tentative nod of approval to the proposed short plat based on the following four conditions:

1. The minimum allowable lot size is two acres each, assuming private wells for potable water.
2. The perc tests, once completed, must show a MINIMUM of 18 inches of good material above the fractured basalt formation.
3. The MAXIMUM number of bedrooms will be two.
4. Treatment will consist of above-ground (framed) PD sand lined trenches, with the standard 24 inches of C-33 spec sand. Your firm has recently used this design for the site in Stevenson above Rock Creek. This sand would be placed on top of the 18" minimum depth of native soils. A conservative design, but necessary since the "normal" setbacks to the rock bluff will not be met.

I have not received the application for the perc tests/ site evaluation. Once this is received and completed, approval may or may not be forthcoming...it is a challenging site.

Later,  
Bruce

Bruce Scherling, RS, EIT  
Environmental Health Specialist  
County Bioterrorism Emergency Response Coordinator

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Note: Skamania County Health Department Services are provided through contract with Clark County Health Department, Vancouver, WA

