

May 6, 2008

Mr. John Reilly
St. Andrews Development
3231 Northeast U S Grant Place
Portland, Oregon 97212

**Re: St. Andrews Condominiums, Lots 9 through 12
Southwest 18th Avenue and Southwest Mill Street Terrace
Portland, Oregon
PSI Report Number 704-85036-3**

Dear Mr. Reilly:

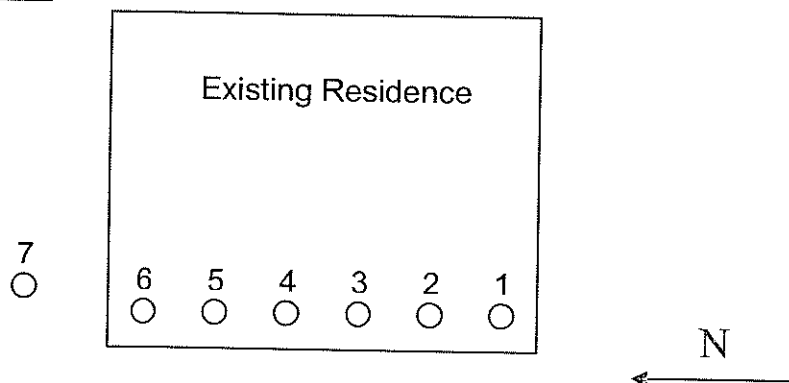
We have completed our investigation of the uphill residence on the east property line of your project, and provide the following information:

The existing home appears to be constructed within approximately 1 foot of the property line with the west wall of the home founded on six (6) piers which have been founded very near the ground surface. The drive probe data, taken adjacent to each pier, reached refusal to driving within approximately 3 to 4 feet of the surface. We believe this refusal was on rock particles and not fresh basalt rock formation. Due to the difficult site access, we believe we were not able to obtain a true fresh basalt rock elevation and it will have to be determined during site excavation. We estimate, at this time, it will be on the order of ten (10) feet below the surface.

We recommend, at this time, a gunnite tie-back anchored wall be used to retain the upper soil units as the excavation is made for your new structure. The anchors, when placed on ten (10) foot centers horizontally and five (5) foot centers vertically, are expected to require a tie-back anchor approximately 25 to 35 feet in length, which would require the penetration under and into the adjacent property. A detailed design for this tie-back wall can be made once you have received authorization from the property owner for the intrusion into his property with tie-back anchors.

The following detailed information was obtained on the existing home foundation:

Figure 1: Pier Location Plan



Pier Pad No.	Pier Size (ft)	Depth in Ground (in.)	Distance Btwn (ft)	Drive Probe Refusal Depth Below Ground (ft)	West of Fence Depth Below Ground (ft)
1	1.5	12	6.8		6
2	1.5	12	7.3	3.5	9
3	1.5	14	7		
4	1.5	18	7.5	3	
5	1.5	24	7.5	3.5	
6	1.5	24		4	
7	4x4	12			

We will be available to assist you as the project proceeds. If you have any questions, please call Charles R. Lane, P.E. at 503-978-4703.

Sincerely,
Professional Service Industries, Inc.



Charles R. Lane, PE
Senior Geotechnical Engineer
Geologic Associate