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TRANSMITTAL

Date: 6-7-01
Project: Ridgeview Building 2
Subject: compaction

TO: City of Corvallis

ATTN: Mike West

Pages	Description
1	PSI report
1	building section
3	Total # of pages (including this page)

REMARKS: For the original plan review we estimated 600 cubic yards of excavation for this building. I've included a building section showing the original grade and the cut for the basement. All of the footings were down to firm undisturbed soil and the only fill was the 4-5 inches separation layer in the lower footings to protect the undisturbed condition as recommended by PSI. The only variance to the stable condition noted was that caused by the presence of seeping water. The PSI recommendations completely resolved that problem, leaving us with a good solid base for the foundation and basement slab.

Please let me know if you have any trouble reading the PSI report as it is a second generation fax. I hope this will resolve the need for a compaction report.

Thank you.

**TO BE
MICROFILMED**

Copy to:

Sent by: Bob Young



June 29, 2000

Mr. Calvin Mouse
Blumenstein-Deen Construction
4742 Liberty Street South, #202
Salem, Oregon 97302

Subject: Geotechnical Observations - Water Seepage, Ridgeview Professional Center, 350 N.W. Ellis Drive, Corvallis, Oregon, PSI Project No. 704-05128-1

Dear Mr. Mouse:

On-site in order to observe the previously excavated building pad for the above-referenced project. The observation was made at the request of Calvin Mouse with Blumenstein-Deen after water seepage and ponding was noted within the basement area of the proposed structure.

At the time of our observation, two to three inches of water was noted in the basement area, which is located in the northeast corner of the building. Water seepage was noted in both the northwest and southwest corners of the basement. The exposed bearing soils consisted of a brown, very moist silt. Probing of these soils revealed that they were somewhat firm and stable.

No soils report/investigation was performed at this site. Therefore, no comment can be made with regards to bearing capacity and the on-site soils ability to support the intended loads.

In order to protect the integrity of the exposed soils, the following recommendations are provided:

- 1) Sumps be installed within the excavation in order to control water seepage during construction.
- 2) Four to five inches of crushed rock be provided beneath footings in order to provide a barrier between foot traffic and the subgrade (silt) soils.
- 3) A geotextile fabric be laid over the subgrade beneath the floor slab area prior to placing crushed rock base courses.
- 4) A couple of lateral drains be installed beneath the floor slab in order to catch any seepage from below. The lateral drains should be connected to the perimeter foundation drain.

We appreciate this opportunity to be of service at this time. Should you have any questions regarding this report or require further assistance please call David Holt at (503) 978-4704.

Sincerely,

Professional Service Industries, Inc.

David P. Holt, P.E.
Project Engineer

ltotten@psiconsulting.com

