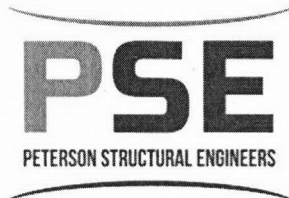


18-183959-RS
IVR# 4225831



PORTLAND OFFICE

9400 SW Barnes Rd.
Suite 100
Portland, OR 97225
Phone: 503.292.1635

8/14/19
Steve Hohf
2033 SW Madison St.
Portland, OR 97203

File:[1801-0017-01]

Re: Hohf Residence Retaining Wall – Memorandum
Permit Number: 18-183959-000-00-RS

Dear Steve:

Per your request, the following memorandum has been generated to address an alternate reinforcement layout for the concrete section of the retaining wall located at 2033 SW Madison St. in Portland, Oregon. Per our original calculations and drawings dated May 30th, 2018, the retaining wall vertical and horizontal reinforcement was detailed to be #5 @ 12" o.c., each way, each face. It is our understanding that the current vertical and horizontal reinforcing is #4 @ 12" o.c. each way, each face.

PSE has reviewed the retaining wall calculations to address the alternate layout. We have determined that the vertical #4 bars at 12" o.c., each face are adequate; however, one of the following solutions must be implemented to address the horizontal bar size/spacing:

- **Replace the Bars:** Replace the horizontal #4 bars @ 12" o.c., each face with #5 bars @ 12" o.c. each face per the original design.
- **Add Additional Bars:** Add intermediate #4 bars @ 12" o.c., each face so the resulting horizontal reinforcing is #4 bars @ 6" o.c., each face.

Please let us know if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Veronica Vest", written over a horizontal line.

Veronica Vest, EIT
Peterson Structural Engineers, Inc.

Submitted via Email – [shohf@comcast.net]

