# GEOLOGIC HAZARDS PERMIT (GHP) Form 1: GEOTECHNICAL RECONNAISSANCE AND STABILITY PRELIMINARY STUDY 

Note: Response to each question below must be completed or verified by a Certified Engineering Geologist or Geotechnical Engineer, including a State of Oregon Registration Stamp and Number in the space provided on page four. The GHP Form 1 addresses Multnomah County Code Section 39.5085(C)(3)(c); 38.5515(C)(3)(c), Geologic Hazards Permits.

Site Address:
Tax Lot 2500, NW Cornelius Pass Road, Multnomah County, Oregon
Legal Description: 2N1W31C-02500
Property Owner's Name: Oregon Department of Transportation
Firm Preparing Report: Carlson Geotechnical
Address: 18270 SW Boones Ferry Road, Suite 6

## City: <br> Durham

State: Oregon Zip: 97224
Preparer's Name: Ryan T. Houser, CEG
Phone Number: $503-601-8250 \times 1107$

## GENERAL PROPERTY INFORMATION

1. a. Maximum Slope on Property: $2 \mathrm{H}: 1 \mathrm{~V}$ Area in which it is located: $\underbrace{\substack{\text { site }}}_{\text {Road cut at north end of }}$ Average Slope of Property: $8 \mathrm{H}: 1 \mathrm{~V}$
b. Are there any wetlands or streambeds on the property? (Please Circle) Yes No If yes, please show on topographical survey or sketch.
c. Volume of soil or earth material disturbed, stored, disposed of or used as fill: ${ }^{\text {none at present }}$
d. Total area of proposed ground disturbance:
$\qquad$ (square feet) $\qquad$ (acres)
[^0]Geologic Hazards Permit Form-1 (Rev. 04/19)

Were building plans considered when completing this form? (Please Circle) Yes No If yes, please note the author and date the plans were prepared.

## ODOT Conceptual plans dated 04/13/20

2. What is the general topography of the property? Please attach a topographic survey or sketch with pertinent notes.
Site topography described in Section C.6.1 of engineering geology report (Appendix C), and shown on Figures 2 and C8.
3. Are there any visible signs of instability or other potentially adverse site features (Landslides, slumps, mud flow, creep, ravines, fills, cuts, seeps, springs, ponds, etc.) within the surrounding area for a minimum distance of 100 feet beyond the subject property boundaries? Describe and indicate on attached topographic survey or sketch.

No signs of instability or adverse features were observed within 100 feet of the subject property. See Sections C. 6 and C. 7 of engineering geology report (Appendix C) for discussion.
4. Is any earthwork proposed in connection with site development?
(Please Circle) Yes No
If yes, please indicate depth and extent of cuts/fills; describe fill types.
Cuts and fills to achieve finished grades are anticipated to be less than 3 feet, as described in Section 1.1 of the geotechnical report.
5. In your opinion, will the proposed earthwork cause potential stability problems for the subject and/or adjacent properties?
(Please Circle) Yes No
IF YES, EXPRESS PROBABILITY:
(Please Circle) Very Probable Possibly Possible, but remote
If Very Probable or Possibly, please explain.
6. In your opinion, will the proposed development (structures, foundations, parking area, streets, etc.) create potential stability problems for the subject and/or adjacent properties?
(Please Circle) Yes No
IF YES, EXPRESS PROBABILITY:
(Please Circle) Very Probable Possibly Possible, but remote

If Very Probable or Possibly, please explain.
7. In your opinion would the subsurface disposal of sewage effluent on the site (i.e., drain fields) have an adverse affect on stability of the site or adjacent area?
(Please Circle)
Yes
No Not applicable

IF YES, EXPRESS PROBABILITY:
(Please Circle) Very Probable Possibly Possible, but remote

If Very Probable or Possibly, please explain.
8. If answer is Very Probable or Possibly to questions 4 or 5 , is it your opinion, on the basis of a visual evaluation, that adequate stability might be achieved by preferred siting of the development, alternative foundation support, earthwork, drainage, etc.?
(Please Circle)
Yes
No Not applicable
If yes, please explain.
9. Do you recommend additional geotechnical studies (i.e., mapping, testing pits or borings, stability analysis, etc.) prior to site development?
(Please Circle)
Yes

NO
If yes, please explain.

A geotechnical investigation report was completed by Carlson Geotechnical for the proposed project dated September 23, 2020. The geotechnical recommendations contained therein should be incorporated into the design and development of the proposed project.

By signing and affixing the required stamp below, the Certifying Engineering Geologist or Geotechnical Engineer certifies that the site is suitable for the proposed development.



[^0]:    New roadway and open pile materials storage areas will encompass a footprint of approximately 1 acre.
    New storage shed has a plan footprint of approximately 3,060 square feet.

