



Land Use & Transportation
 1600 SE 190th Ave, Ste 116
 Portland OR 97233
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 multco.us/landuse

**HILLSIDE DEVELOPMENT PERMIT APPLICATION:
 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 HDP form 1 addresses Multnomah County Code Section .5515(A)(3), Hillside Development Permits.

Site Address: 13195 NW McNamee Road, Portland, OR 97231

Legal Description: Tax Map 2N1W32B Tax Lot 703

Property Owner's Name: Dieter Waiblinger

Firm Preparing Report: GeoPacific Engineering, Inc.

Address: 14835 SW 72nd Avenue, Portland, OR 97224

Preparer's Name: Beth Rapp, C.E.G.

Phone Number: 503.598.8445

GENERAL PROPERTY INFORMATION

1. a. Maximum Slope on Property: 46% grade Area in which it is located: Slope to the southwest of the proposed homesite.
 Average Slope of Property: ~8-25% grade in vicinity of proposed home
- b. Are there any wetlands or streambeds on the property? (Please Circle) Yes No
 If yes, please show on topographical survey or sketch. The headwaters of McCarthy Creek are located approximately 500 feet west of the proposed home.
- c. Volume of soil or earth material disturbed, stored, disposed of or used as fill: 810 yards
- d. Total area of proposed ground disturbance:
34,371 (square feet) 0.8 (acres)

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

NW Engineers dated March 22, 2019

2. What is the general topography of the property? Please attach a topographic survey or sketch with pertinent notes.

The proposed homesite is situated on a gently-sloping ridgeline adjacent to an incised drainage gully to McCarthy Creek with moderate side slopes inclining with grades up to approximately 50 percent. Topography in the vicinity of the proposed home is on the order of 8 to 25 percent grade.

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 visible sign of deep seated slope instability within 100 feet of the property. Some small and shallow erosional features were observed along the incised drainage to the southeast of the proposed home.

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.

Proposed cuts of 5 feet and fill up to 2 feet. Fill will likely consist of on-site material from cuts.

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.

The proposed fill should be placed as engineered fill. Proper test frequency and earthwork documentation usually requires daily observation and testing during stripping, rough grading, and placement of engineered fill. Engineered fill should be periodically observed and tested by the project geotechnical engineer or his representative.

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

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

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.

Please refer to the Geotechnical Investigation and Landslide Hazard Study for the property prepared by GeoPacific Engineering, Inc. dated April 30, 2019.

We recommend testing and observation during grading. Proper test frequency and earthwork documentation usually requires observation and testing during stripping, rough grading, and placement of engineered fill. Engineered fill should be periodically observed and tested by the project geotechnical engineer or his representative.

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.

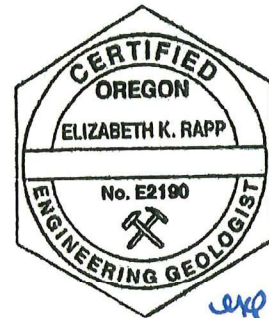
Signature

Elizabeth K. Rapp

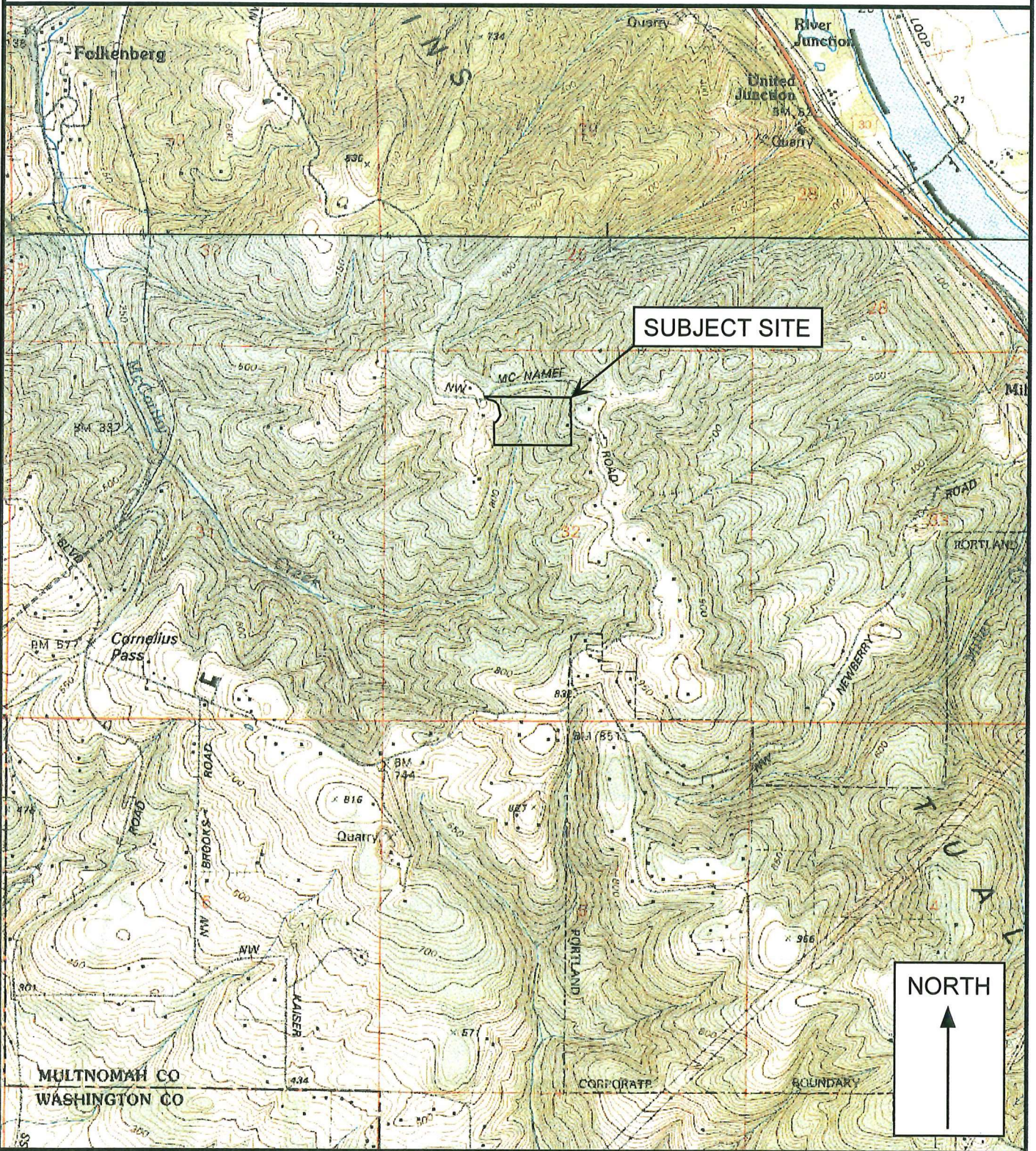
Date

5/20/19

Affix Seal Here



exp 2/1/20



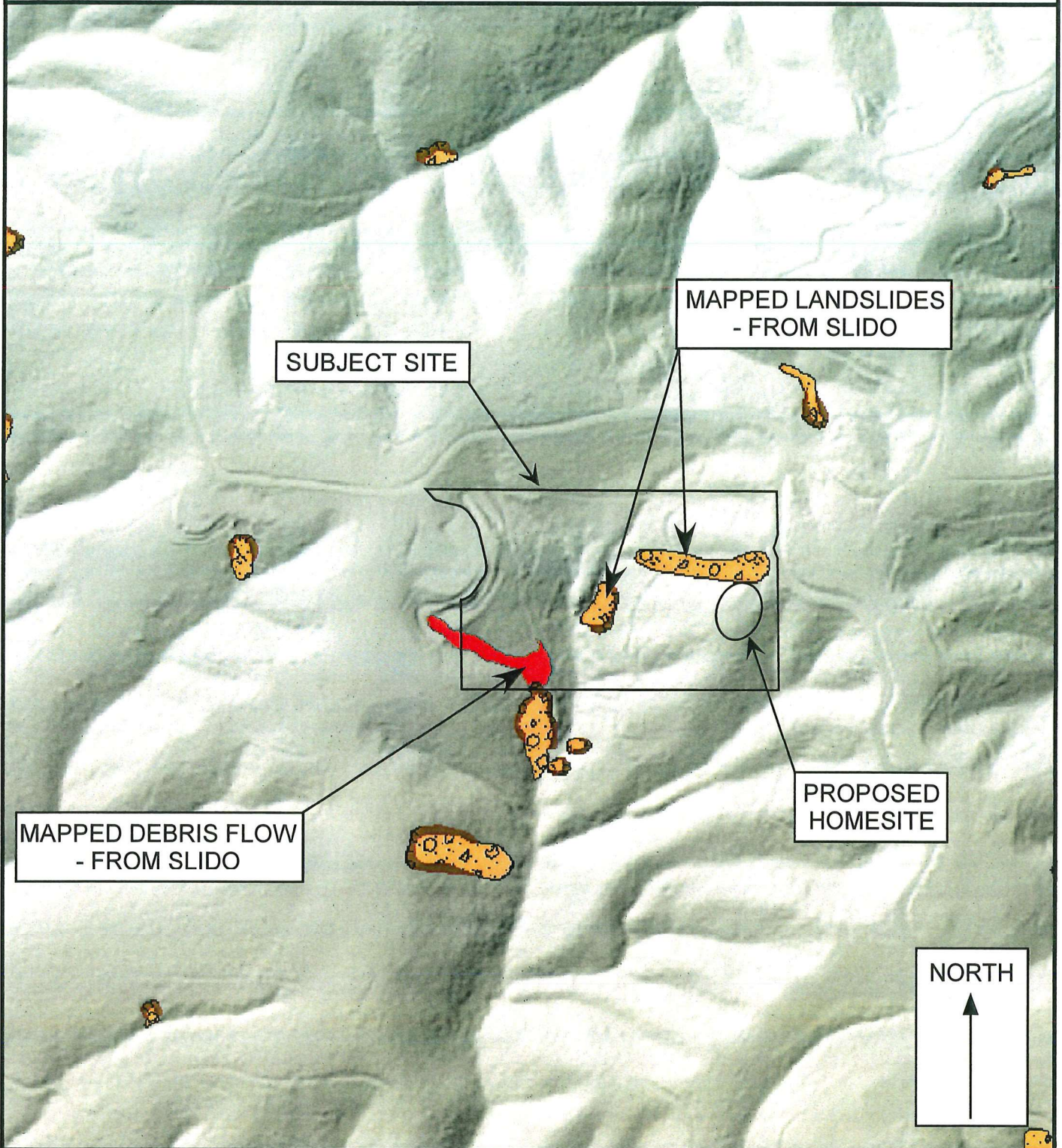
Legend Date: 5/20/2019
 Approximate Scale 1 in = 2,000 ft Drawn by: EKR
 Base maps: U.S. Geological Survey 7.5 minute Topographic Map Series, Linnton, Oregon Quadrangle, 1990
 and Sauvie Island, Oregon Quadrangle, 1990.

Project: Waiblinger Homesite Multnomah County, Oregon	Project No. 19-5200	FIGURE 1A
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LIDAR BASED VICINITY MAP - WITH MAPPED LANDSLIDES



Legend

Approximate Scale 1 in = 500 ft

Date: 5/20/2019

Drawn by: EKR

Base map: Oregon Department of Geology and Mineral Industries, 2019, Statewide Landslide Information Database for Oregon (SLIDO):
<https://gis.dogami.oregon.gov/slido/>

Project: Waiblinger Homesite
Portland, Multnomah County, Oregon

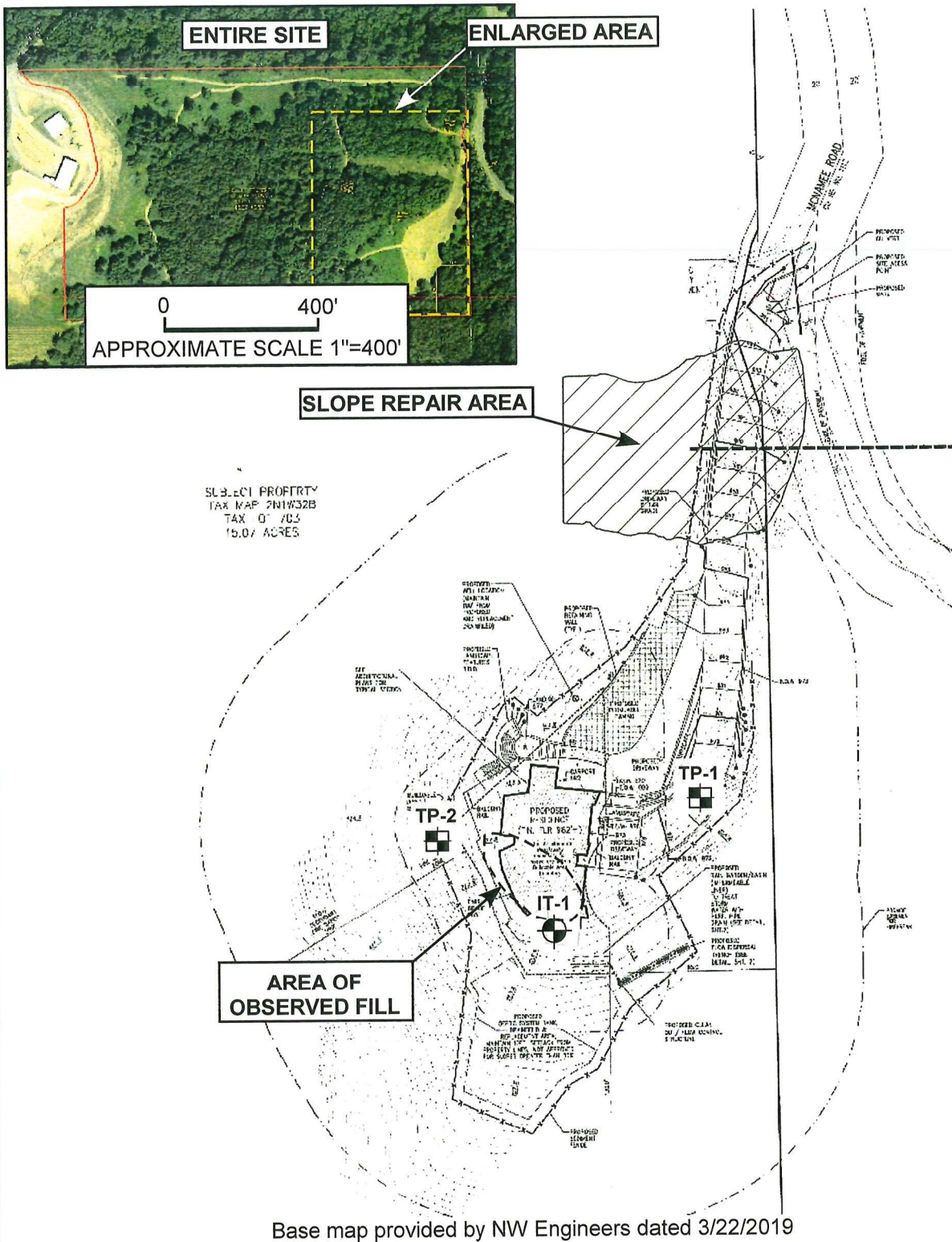
Project No. 19-5200

FIGURE 1B



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SITE PLAN AND EXPLORATION LOCATIONS



Legend

- TP-1** Test Pit Designation and Approximate Location
- IT-1** Infiltration Test Approximate Location

0 80'
 APPROXIMATE SCALE 1"=80'

Date: 4/30/2019
 Drawn by: EKR

Project: Waiblinger Homesite
 Multnomah County, Oregon

Project No. 19-5200

FIGURE 2