

MEMORANDUM

To: Jim Morgan and Barbara Liles, Owners

From: David Gorman, PE, Ecological Engineering, LLC

Date: April 18, 2021

Subject: 34002 Mershon Road, Oregon - Drainage Facility Relocation

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The purpose of this memorandum is to modify the location for onsite stormwater management for the proposed replacement dwelling to be located at 34002 Mershon Road, Corbett, Oregon. For all supporting information, analysis, and design related to the stormwater infiltration facility, please refer to the Ecological Engineering memorandum dated March 27, 2020. The design and sizing of the facility has not changed. The Stormwater Drainage Control Certificate prepared by Ecological Engineering and dated March 27, 2020 shall remain valid and applicable for the site and proposed development.

In its review of the proposed onsite sanitary facilities, the City of Portland indicated a potential conflict between the proposed stormwater infiltration facility and the proposed sanitary drain field and replacement drain field. The conflict can be eliminated by moving the stormwater infiltration facility 70 feet south to a location that places it down slope from the sanitary drain field a distance of 50 feet and upslope from the replacement drain field a distance of 50 feet. The stormwater infiltration facility will have a 10-foot setback from the property line. See the attached site map to view the revised layout.

With this memorandum, Ecological Engineering modifies the design of the stormwater infiltration facility to a location that is 70 feet south of the location currently shown on the plans, with a 10-foot setback from the property line to the west. The soils in both locations are Mershon Silt Loam. I certify that, due to the fact that the soils and soil characteristics in the proposed new location for the facility are the same as those soils and characteristics in the originally presented location, all facility design and sizing remains valid. The NRCS Soil Survey map and legend for the site is attached for reference.

The proposed stormwater infiltration facility will function as designed in the revised location.

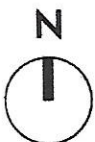
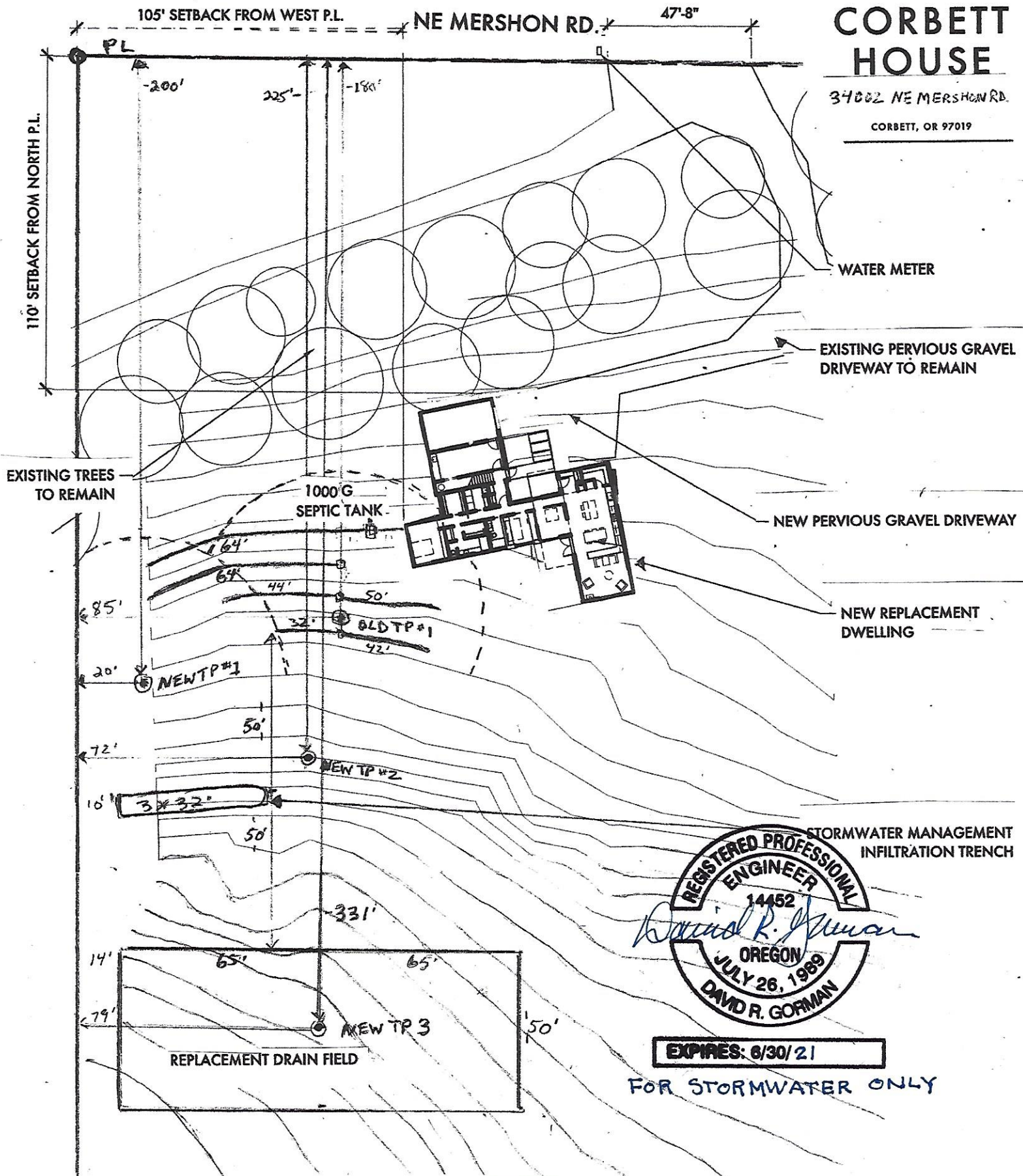


RENEWS: 6-30-21

# CORBETT HOUSE

34002 NE Mershon Rd.

CORBETT, OR 97019

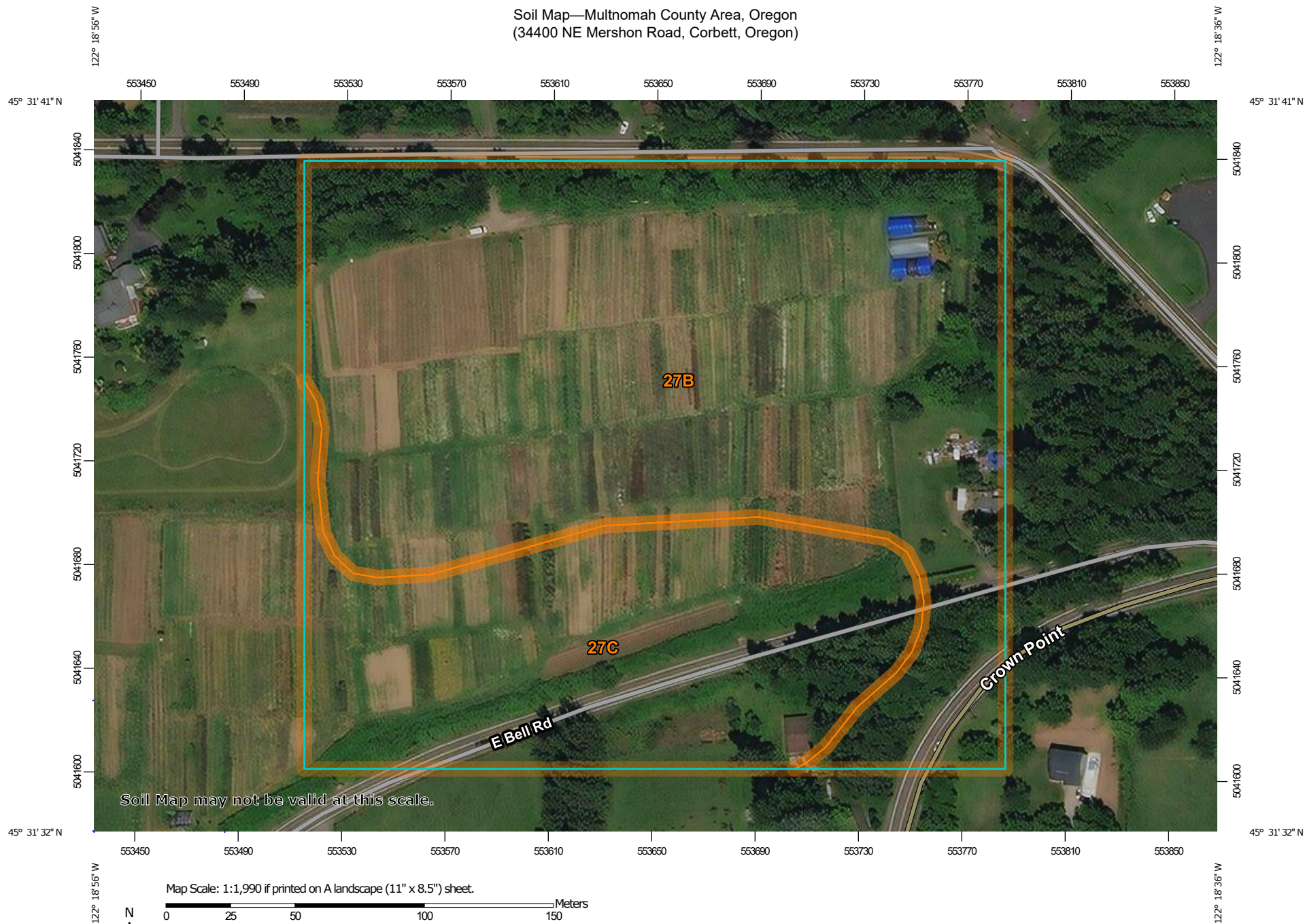


SITE PLAN: NORTHWEST CORNER

SCALE: 1" = 40'



Soil Map—Multnomah County Area, Oregon  
(34400 NE Mershon Road, Corbett, Oregon)



## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Multnomah County Area, Oregon

Survey Area Data: Version 18, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 2, 2015—Sep 21, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
27B	Mershon silt loam, 0 to 8 percent slopes	10.8	68.4%
27C	Mershon silt loam, 8 to 15 percent slopes	5.0	31.6%
<b>Totals for Area of Interest</b>		<b>15.8</b>	<b>100.0%</b>