

JENSEN
ENGINEERING
INC.

Jensen Engineering Inc.
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Project Number 16049-100

August 16, 2016

Mr. Jerry Martens
PO Box 458
Cle Elum, WA 98922

Dear Mr. Martens:

This letter is in regard to on-site sewage disposal feasibility study done by Jensen Engineering Inc. for the proposed development of Marian Meadows east of Easton, Kittitas County, Washington. The following will summarize the findings of our site visit.

Jensen Engineering Inc. met you on the site on August 2, 2016 to view several soil log test pits that you had dug earlier in the day. The proposed development is to construct several residences and some recreational vehicle areas along with storage over the available property. The site will be served by a public water system and on-site sewage disposal systems. Due to the anticipated daily sewage flow volumes it is anticipated that the on-site sewage disposal systems will be Large On-Site Sewage Systems (LOSS) and under the jurisdiction of the Washington State Department of Health (WSDOH). The soil logs were reviewed under WSDOH standards.

The investigated site is relatively flat for a large area except for a couple of minor drainage ways. There was no sign of standing water during the site visit. The vegetation is sparse grass with a few bushes and trees. There is an improved dirt road running north/south that bisects the proposed LOSS area in the southwest corner of the parcel.

A total of five soil logs were reviewed (four to the west of the road and one to the east). The western soil logs were all similar in soil types and depths and consisted of a shallow topsoil layer underlain by approximately three feet of brown sandy loam underlain by brown loamy sand with cobbles to depths greater than 48 inches. No restrictive layer, water table, or mottling of the soils were found in any of the soil logs.

The eastern soil logs had a shallow topsoil layer underlain by five feet of brown sandy loam. No restrictive layer, water table, or mottling of the soils were found in this soil log. Soil log descriptions are attached to this report.

WSDOH requires a minimum of 32 inches of soil for any type of LOSS system. This requirement varies with soil type, sensitive areas, and site features. The soil type and depth encountered in the investigated soil logs are appropriate for LOSS design.

It is our pleasure to be of service to you with your engineering needs. If you have questions or need further information please contact our offices.

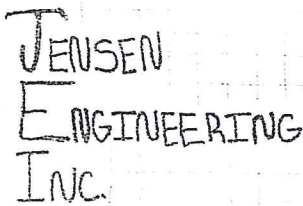
Sincerely yours,
Jensen Engineering Inc.

David Jensen PE

David Jensen PE
Principal

Enclosures





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Project No.: 16049-100

Client: Jerry Martens
Site: Meadows - Easton
Date Soils Logged: 8/2/2016

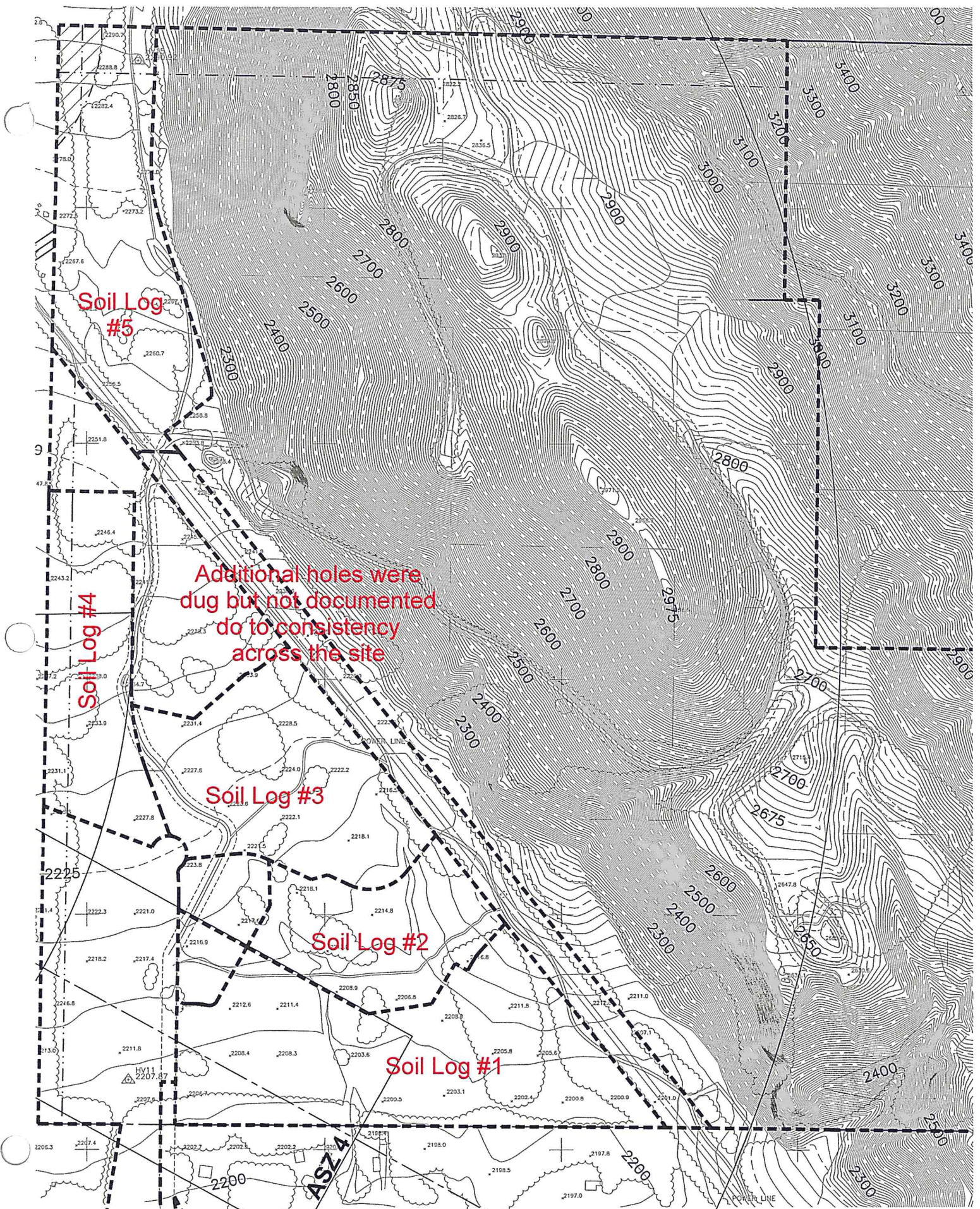
Soil Log 1:
0-2" Topsoil
2-38" Brown Sandy Loam
38-46" Brown Loamy Sand with Cobbles
No Water
No Mottling
Roots to 44"

Soil Log 2:
0-3" Topsoil
3-36" Brown Sandy Loam
36-50" Brown Loamy Sand with Cobbles
No Water
No Mottling
Roots to 48"

Soil Log 3:
0-2" Topsoil
2-39" Brown Sandy Loam
39-49" Brown Loamy Sand with Cobbles
No Water
No Mottling
Roots to 46"

Soil Log 4:
0-3" Topsoil
3-40" Brown Sandy Loam
40-60" Brown Loamy Sand with Cobbles
No Water
No Mottling
Roots to 44"

Soil Log 5:
0-3" Topsoil
3-60" Brown Sandy Loam
No Water
No Mottling
Roots to 48"



Additional holes were dug but not documented do to consistency across the site

Soil Log #5

Soil Log #4

Soil Log #3

Soil Log #2

Soil Log #1

Septic pot hole locations

Septic Exhibit