

**From:** Quin Clements <quin@dcgenr.com>  
**Sent:** Monday, July 12, 2021 10:49 AM  
**To:** dirswprd@whidbey.com  
**Cc:** Carly McArdle  
**Subject:** Campground Septic  
**Attachments:** 20210702a\_SWP CAMPGROUND OSS.pdf

Hi Doug,

Attached is a DRAFT copy of the preliminary campground septic plan. Take a look and let us know if you have questions. To give you a basic overview, we assumed an even division of the campsites between the two proposed comfort stations (plumbed restrooms) and estimated daily wastewater flows from each using the state's standard number of 75 gallons per day per campsite. For permitting, individually each of these systems would fall under the county's jurisdiction due to the fact that they are designed for less than 3,500 gallons per day. If they are viewed as a single system though, given that they are on one site, the combined flow would kick the permitting up to the state level which throws a lot of additional process into the mix. As part of the Site Plan approval process it would be good to get verification from the county as to how they view the permitting track for these systems as that will drive the scope of future design work.

One other thing to consider, the county's review letter notes that the drainfield(s) should be designed in areas with "adequate soil logs". As shown on Sheet C400 of the plan set, the soil logs that were previously dug are pretty isolated and are not a great fit for the proposed campsite layout so they don't really cover the proposed drainfield areas. There is a good chance that the county will come back and request more drainfield area specific soils testing to verify that adequate soils do in fact exist in the areas used. If they do this, you will definitely want to verify the eventual permitting path for these systems as the soils testing requirements will differ a bit depending on whether the county or the state is doing the permitting.

Let us know if you have any questions or comments.

Thanks,

**Quin Clements, PE**

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