

## Carrie Monforte

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**From:** quin@dcgengr.com  
**Sent:** Wednesday, March 08, 2023 11:40 AM  
**To:** Marni Zimmerman  
**Cc:** Matt Simms; Erik Jokinen; Rich Bacigalupi; Paul Curtis  
**Subject:** RE: update on proposed aquatic center septic/soil testing  
**Attachments:** February 2023 Soil Log Summary Sheet.pdf

External (quin@dcgengr.com)

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Hi Marni,

Not sure if you are aware but we met onsite with representatives from the state DOH on Friday, February 24th and completed the states version of the soils investigation which is required to move the LOSS permit forward. We had Rob Hallbauer with us as our local soils expert (he was involved in the previous soils investigation work at the site) and he worked to classify things in conjunction with the states hydrogeologist, Frank Baird. In general, the soil pits that we dug confirmed what was previously known which is that the soils on site are decent up shallow but become moist and compacted below roughly 40 inches. This varies a bit across the slope but in the end, everyone was in agreement that we have adequate soils on top of the slope and at the base of the slope to get shallow drainfield pods in assuming pre-treatment is provided. This is all in line with the preliminary design work previously completed.

At this point, Rob has prepared a preliminary soil log summary sheet, which is attached. Our formal soil approval will eventually come from the state via letter, but they want to wait until we can provide them with a formal survey grade base map, showing the soil log locations, prior to issuing that approval. It is my understanding that a surveyor is currently being hired so further progress will have to wait until that work is complete and a base map is available. The other item that will be needed to move the permitting process forward is the formal daily design flow rate for the wastewater system. For our preliminary design effort, we used an estimate of 10,000 gallons per day but the state now requires a formal analysis of how that number is derived. This will be driven by the design of the building and the final usage programming. We have been in communication with ARC about this and will continue to work with them to formulate a daily flow number that will drive the environmental and design review processes with the state.

Let me know if you have any questions.

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-----Original Message-----

From: Marni Zimmerman <mzimmerman@swparksandaquatics.org>  
Sent: Wednesday, March 8, 2023 7:40 AM  
To: Quin Clements <quin@dcgengr.com>  
Cc: Matt Simms <whidbeyopenwater@gmail.com>; Erik Jokinen <Erikj@whidbey.com>; Rich Bacigalupi <rbacigalupi@swparksandaquatics.org>  
Subject: update on proposed aquatic center septic/soil testing

Hi Quin,  
I'm reaching out on behalf of the pool committee (JACC). We would like an update about the soil testing and septic planning for the aquatic center.

Since Doug has left the Parks District, we are not sure with whom you are communicating. If you are communicating directly with Paul Curtis or someone else from ARC, we can get the information from them. If that is not the case, I can serve as the liaison for JACC. Recall that JACC is composed of 2 Parks commissioners and 2 SWPAF (South Whidbey Parks and Aquatics Foundation) members.

Thank you,  
Marni

CAUTION: This email is from outside of ARC Architects. Do not open links or attachments unless you know the content is safe.

Soil Log Perc Test [ ] Parcel # R32910-091-3750

Scale Used: Size: Acres: Site Reg.#

Application Soil Rate Type

Application : Rate T

Soil Log #1

0 to 5	In. Dark Brown Duff		
5 to 20	In. Brown Sandy Loam	0.48	4
20 to 46	In. Tan Loamy Sand	0.64	3
Water Table: ind. -46"		Impervious Soil: NA	

Soil Log #2

0 to 22	In. Dark Brown Duff		
22 to 40	In. Brown Sandy Loam	0.48	4
40 to 52	In. Tan Loamy Sand	0.64	3
Water Table: ind. -40"		Impervious Soil: 36"	

Soil Log #3

0 to 4	In. Dark Brown Duff		
4 to 28	Brown Sandy Loam	0.48	4
28 to 50	In. Tan Loamy Sand	0.64	3
50 to 54	In. Pkd. Gray Mottled Sandy Loam	0.40	5
Water Table: ind. -50"		Impervious Soil:	

Soil Log #4

0 to 5	In. Dark Brown Duff		
5 to 19	Brown Sandy Loam	0.48	4
19 to 31	In. Tan Loamy Sand	0.64	3
31 to 34	In. Pkd. Gray Mottled Sandy Loam	0.40	5
Water Table: ind. -31"		Impervious Soil:	

Soil Log #5

0 to 22	In. Brown Sandy Loam	0.48	4
22 to 33	In. Tan Loamy Sand	0.64	3
33 to 38	In. Pkd. Gray Mottled Sandy Loam	0.40	5
Water Table: ind. -33"		Impervious Soil:	

Soil Log #6

0 to 27	In. Brown Sandy Loam	0.48	4
27 to 39	In. Tan Loamy Sand	0.64	3
39 to 42	In. Pkd. Gray Mottled Sandy Loam	0.40	5
Water Table: ind. -39"		Impervious Soil: 48"	

Soil Log #7

0 to 38	In. Tan Loamy Sand	0.64	3
38 to 44	In. Pkd. Loamy Sand	0.48	4
Water Table:		Impervious Soil:	

Soil Log #8

0 to 52	Brown Sandy Loam	0.48	4
Water Table: ind. - 52"		Impervious Soil:	

Soil Log #9

0 to 51	Brown Sandy Loam	0.48	4
Water Table:		Impervious Soil:	

Soil Log #10

to In.			
to In.			
to In.			
Water Table: In.		Impervious Soil:	

Soil Log #11

to			
to			
to			
to In.			
Water Table:		Impervious Soil:	

Soil Log #12

to In.			
to In.			
to In.			
Water Table: In.		Impervious Soil:	

Soil Log #13

to In.			
to In.			
to In.			
Water Table: In.		Impervious Soil:	

Soil Log #14

to In.			
to In.			
to In.			
Water Table: In.		Impervious Soil:	

Soil Log #15

to In.			
to In.			
to In.			
Water Table: In.		Impervious Soil:	

Soil Log #16

to			
to			
to			
to In.			
Water Table:		Impervious Soil:	

CERTIFICATION: I hereby certify this information to be correct and the tests were performed by me as prescribed on:

DATE:

Signature of Licensed Designer, Registered Sanitarian, or Professional Engineer

NOTE: Changes to this site such as grading, cuts, fillings, or clearing could make this certification NULL and VOID.

Sens de la feuille

Feed sheet