



Progress Report

Project: Lummi Island Scenic Estates Community Club

Wilson Project Number: 2022-120

Service Dates: Through 2/29/2024

LISECC Staff/Board Responsibilities:

Responsibility	Timeline
Nick to provide contact info for the people at the Dam Safety Office so Brian can start coordinating about our plans for the new raw water pipe crossing the dam	As soon as feasible

SMALL WATER SYSTEM MANAGEMENT PLAN ASSISTANCE

All Tasks: no change from previous progress report.

PRE-DESIGN

Complete

PRELIMINARY ENGINEERING REPORT

- Project Report that will be submitted to DOH is being refined to reflect updated design parameters.
- Brian has access to RD Apply application and associated ePER, and will be progressing with filling out relevant sections of the application.

ENVIRONMENTAL REPORT

- Updated 2/29: USDA-RD (Jason Reyna) provided the requested guidance document on 2/23/24. With that guidance, we have begun creating an initial environmental report. Work is ongoing.

USDA-RD LOAN APPLICATION

- Brian, Melanie, Allison, and Jim met with USDA-RD representatives on 8/23 to discuss the project and logistics of loan application.
- Application is underway.
- Updated 2/29/24: LISECC and Wilson met with USDA-RD about BABA waiver. WesTech provided detailed letter to USDA-RD to supplement application, and Brian provided USDA-RD with deadline for material procurement. Now we are awaiting a formal approval of waiver.

USDA-RD LOAN IMPLEMENTATION

Task 1. Coordinate Attorney review of construction contract:

- Will complete after loan application has been submitted and construction contract documents are complete and approved by DOH and LISECC board (final task of this contract).

TOPOGRAPHICAL SURVEY COORDINATION & BASE DRAWING

Complete

PERMITTING

- SEPA checklist draft has been completed. Needs some refining as design proceeds.
- Updated 11/8: Preapplication packet: Pre-app meeting where we discussed all WC permitting required for the project occurred on 10/3. Pre-app findings were provided by County on 10/25. Wilson reviewing findings.
- Started coordination with Ecology regarding changes to backwash discharge and whether changes will be needed to backwash discharge permit.
- Update 1/5/24: Need to get in touch with Dam Safety Office folks to discuss raw water pumping and piping and determine if any permits are needed for that work. Awaiting contact info from Nick.

PREPARE CONSTRUCTION DOCUMENTS

Task 1. Design - selecting and sizing equipment (pumping systems, membrane package plant, ancillary components):

- Updated 2/29/24: We continue to update our working 3D model of the equipment and piping inside the new water treatment plant building. The major recent modification with respect to potential GAC treatment. See email correspondence with Nick and Allison beginning 2/13/24 for full details, but we agreed that we will configure the treatment building to NOT include space for GAC treatment vessels in the building, but will include piping connections and space at the front of the building such that GAC treatment could be added in the future with a building expansion.
- With direction on duplex raw water pump system, fully redundant membrane skids, each 100 gpm, and Contact Time piping direction, we are proceeding with sizing these components.
 - 2 membrane treatment skids (full redundancy).
 - Updated 1/5/24: Raw water pumping system design concept has been discussed and further detailed via emails. Consensus has been reached that skid-style duplex pump station is a good basis of design. Design details continue to be worked on, including raising intake screen and coordination on screen spray cleaning details.

Task 2. Geotechnical Report for Building Foundation Design:

- Geotechnical report is complete.

Task 3. Stormwater Memo documenting no need for Stormwater Report:

- Updated 2/29/24: Now with the decision to exclude GAC from the current planned building, building size can be 24' x 30' and remain below the 2,000 square foot threshold where stormwater design and permitting would become more involved.



Task 4. Construction Stormwater Pollution Prevention Plan:

- Will include in 60% design.

Task 5. 30% Plans and Construction Cost Estimate:

- 30% Design Plans and associated Construction Cost Estimate have been completed and provided to LISECC for review and comment. August 10 received feedback from water treatment committee. Currently incorporating that feedback.
 - Will provide detailed cost estimate of construction administration tasks and costs with 60% design.

Task 6. 60% Plans and further progress of plans, estimate, and specifications: Progressing from 30% design to 60% design currently.

Electrical Engineering Design.

- Electrical engineer is working on plans and cost estimate that will be included in the 60% design set.

Structural Engineering.

- Initial discussions of building design.

OVERALL SCHEDULE STATUS:

Note that schedule is showing we are behind on preliminary engineering report, loan application. We are working to complete these items as quickly as possible.

Also note that progress on 60% plans/specs/estimate is delayed based on supplementary topographic survey information delay (it was provided in late December 2023) and questions about whether a BABA waiver will be issued. We have tried to tow a fine line between making progress but not spending so much time on detailed design that large funds would be spent, in the small chance that a BABA waiver could not be issued and funding could need to be re-assessed.

Based on the above and from additional detail provided in the January 2024 progress report, below is our updated project schedule.

PROPOSED LISECC WTP DESIGN PROJECT SCHEDULE, UPDATED 1/31/24																				
	2023												2024							
	Jan	Feb	Mar	April	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	Jun	July	Aug
Geotechnical field work and report																				
Small Water System Management Plan	Postponed - not required by USDA-RD funding																			
Pre-design memo																				
Preliminary Engineering Report																				
USDA-RD Loan Application																				
30% Design and conditional use permit																				
60% Plans/Specs/Estimate																				
90% Plans/Specs/Estimate																				
DOH Review of Construction Documents																				
100% Plans/Specs/Estimate																				



POTENTIAL ISSUES / CONCERNS:

- Flagged concern about BABA waiver for membrane treatment system.

