Project Status Update - June 13, 2017

Comox Valley REGIONAL DISTRICT | COMOX2 COMOX NO. 2 PUMP STATION

Work Done To-Date

- Completed Third Public Open House
- Developed Process Design for Pump Station
- Developed Facility and Site Layout
- Developed Electrical Loads
- Preliminary Discussions with BC Hydro

Work Done To-Date, con't

- Prepared Draft Indicative Design Report
- Survey for Pipe Alignment
- Geotechnical Exploration
- Installed Groundwater Monitoring Well
- Completed Acoustic Monitoring

Feedback from Open House

- Open House #3
  - Continued opposition to pump station location
  - Acceptance that the facility configuration has considered the local comments
  - Significant concerns related to overflow and spills
  - Concerns about elevated odour and noise
  - Revisions to building to reduce “industrial look”

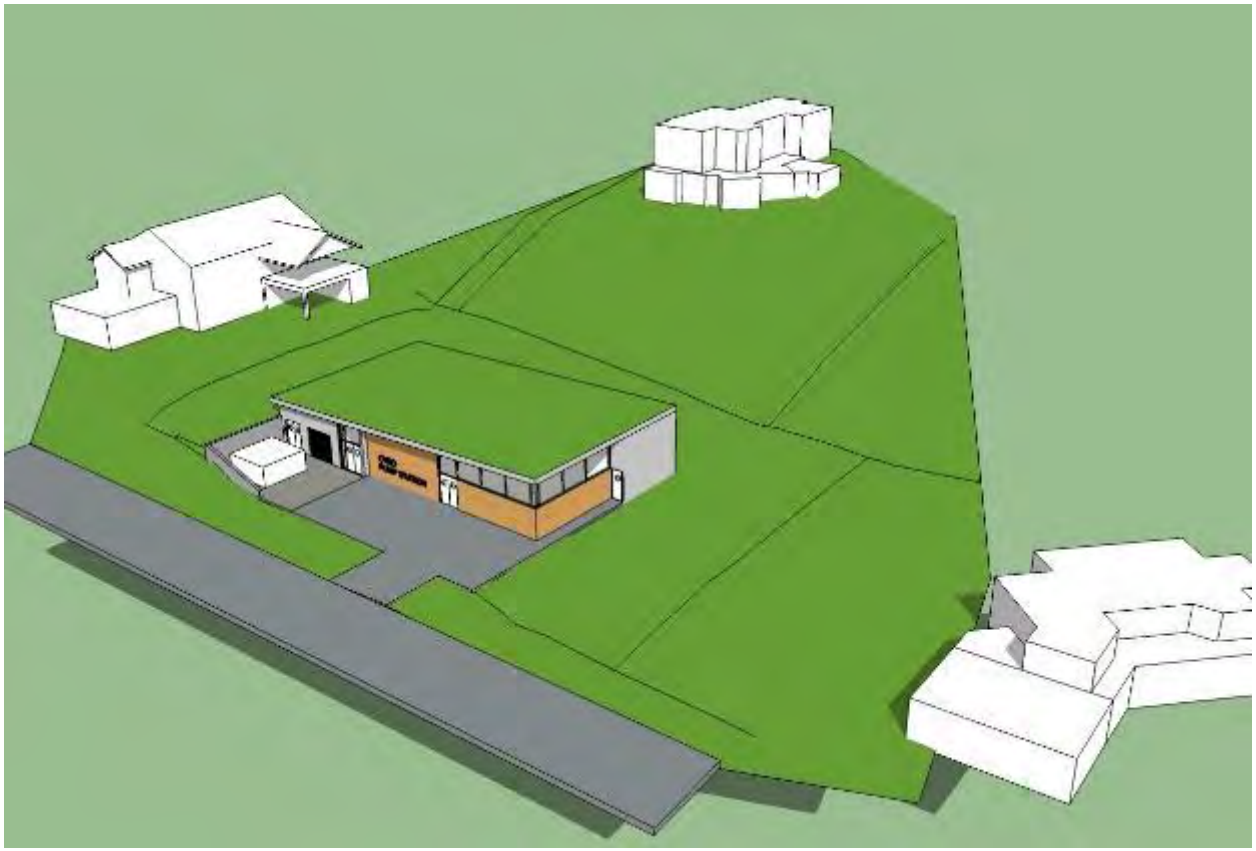
Feedback from Open House

- Community Improvements
  - Receptive to Fire Protection with watermain on Doclittle
  - Request for a review of storm drainage at Beech St and Young St as the local area subject to winter flooding

Further Developed Building Concept

View from Above

View from Above



Acoustic Monitoring

- Site is very quiet
  - Night-time 90-Percentile < 25 dBA
    - Considered "Very Quiet"
    - Approximately equal to a "whisper"
  - Daytime 90-Percentile <35 dBA
    - Approximately equal to a "library"

Table 1: Noise Measurement Summary

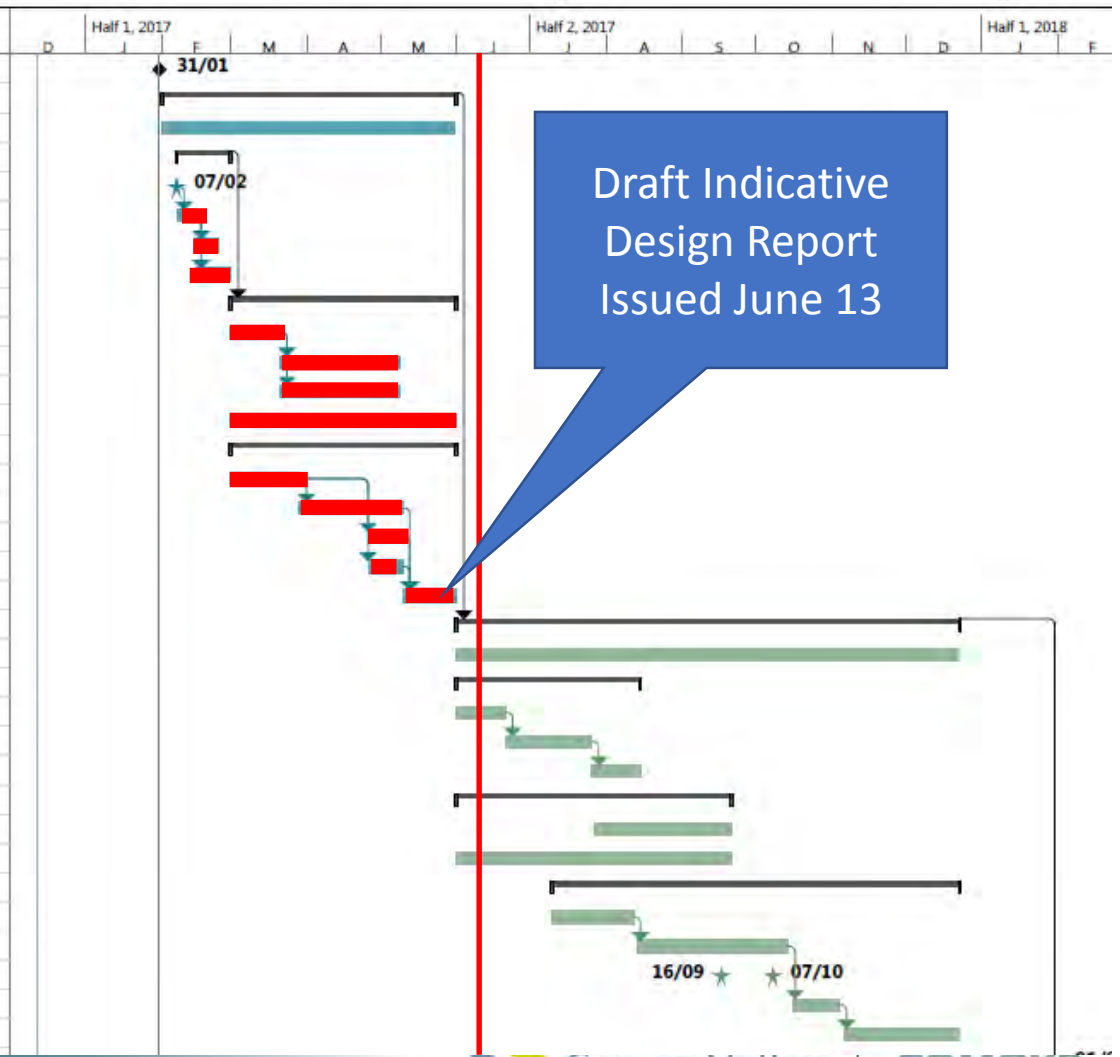
Time (T)	Hours Represented	$L_{eq,T}$ (dBA)	L_{90} (dBA)
Day	12:30 - 22:00 May 25; 07:00 - 12:30 May 26	44	35
Night	22:00 - 07:00 May 25-26	41	25
24 hours	12:30 - 12:30 May 25-26	43	26

Geotechnical Input

- Preliminary Geotechnical Input
  - Soils on Pipe Alignment Typically Sand
  - Pump Station Site Underlain by Dense Sandy Till
  - Foreshore Sand and Silty-Sand – Dense
- Shoring Required at Pump Station Site to Achieved Excavation Depth
  - Potentially a combination of soil anchors and shotcrete
  - Excavation likely through use of tower crane and off-site hauling

Program Schedule

ID	Task Name
1	Notice of Award to Owner's Engineer
2	**Pre-Implementation Phase**
3	PD-1 Project Delivery Pre-Implementation Phase
4	**100 Site Investigations and Data Collection**
5	101 Kick-off Meeting and Site Visit
6	102 Review Background Documentation
7	103 Geotechnical Investigations
8	104 Topographic Survey
9	**200 Option Evaluation, Agency Coordination, and Public Engagement**
10	201 Evaluate Options
11	202 Permitting and Approvals
12	203 Utility Coordination
13	204 Public Engagement Materials
14	**300 Indicative Design**
15	301 Develop Design Criteria
16	302 TM Indicative Design
17	303 Cost Estimating
18	304 Project Schedule
19	305 Indicative Design Report
20	**Implementation Phase**
21	PD-2 Project Delivery Implementation Phase
22	**400 Request for Qualifications**
23	401 Prepare Request for Qualification Document
24	402 Manage RFQ Process
25	403 RFQ Review and Evaluation
26	**500 Develop Draft Project Agreement**
27	501 Draft Project Agreement
28	502 Technical Specifications
29	**600 Request for Proposal**
30	601 Prepare RFP Document
31	602 Manage RFP Process
32	603 Proponent Collaboration Meetings
35	604 RFP Review and Evaluation
36	605 Finalize Project Agreement



Comox Valley Regional District | COMOX2 Comox No. 2 Pump Station

Next Steps – Pump Station

- Feedback from CVRD on Indicative Design
- Implementation Decision
- Finalize Indicative Design
- Prepare Request for Qualifications
- Prepare Statement of Requirements

Questions