



# Cascade Orchards Irrigation Company (COIC) Project Update for the Icicle Work Group



Presented by  
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February 14, 2018

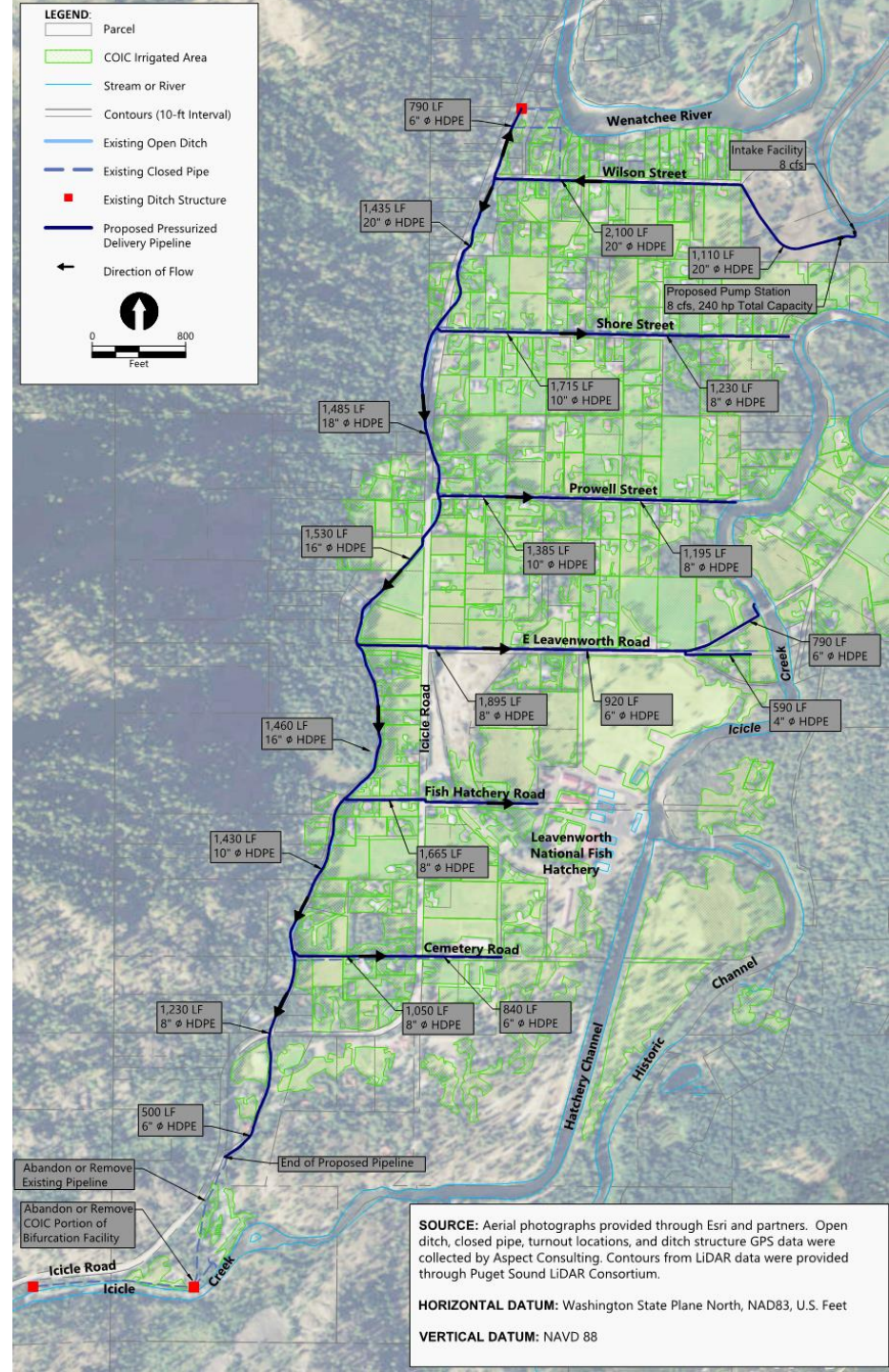
# Project Status

- Preliminary Design Nearly Complete
  - Topographic Survey
  - Geotechnical Field Work and Report
  - Hydrologic and Hydraulic Analysis
  - Preliminary Design Drawings and Report
- Detailed Design is Underway
- Anticipated Design/Construction in 3 Phases
  - Lateral Improvements
    - Design Complete May 2019, Bid Spring 2019, Construction Summer 2019
  - Main Pipeline
    - Design Complete Later Summer/Early Fall 2019, Bid Winter/Spring 2020, Construction Fall 2020 to Spring 2021
  - Intake and Pumping Facilities
    - Design Complete Later Summer/Early Fall 2019, Bid Winter/Spring 2020, Construction Summer 2020 to Spring 2021



# Proposed System – Key Components

- 5.2 Miles of Pipe
- 240 Horsepower Pumping
- Intake Facility with Cone Screen on Left Bank of Icicle Creek





# Proposed Intake Location on Icicle Creek

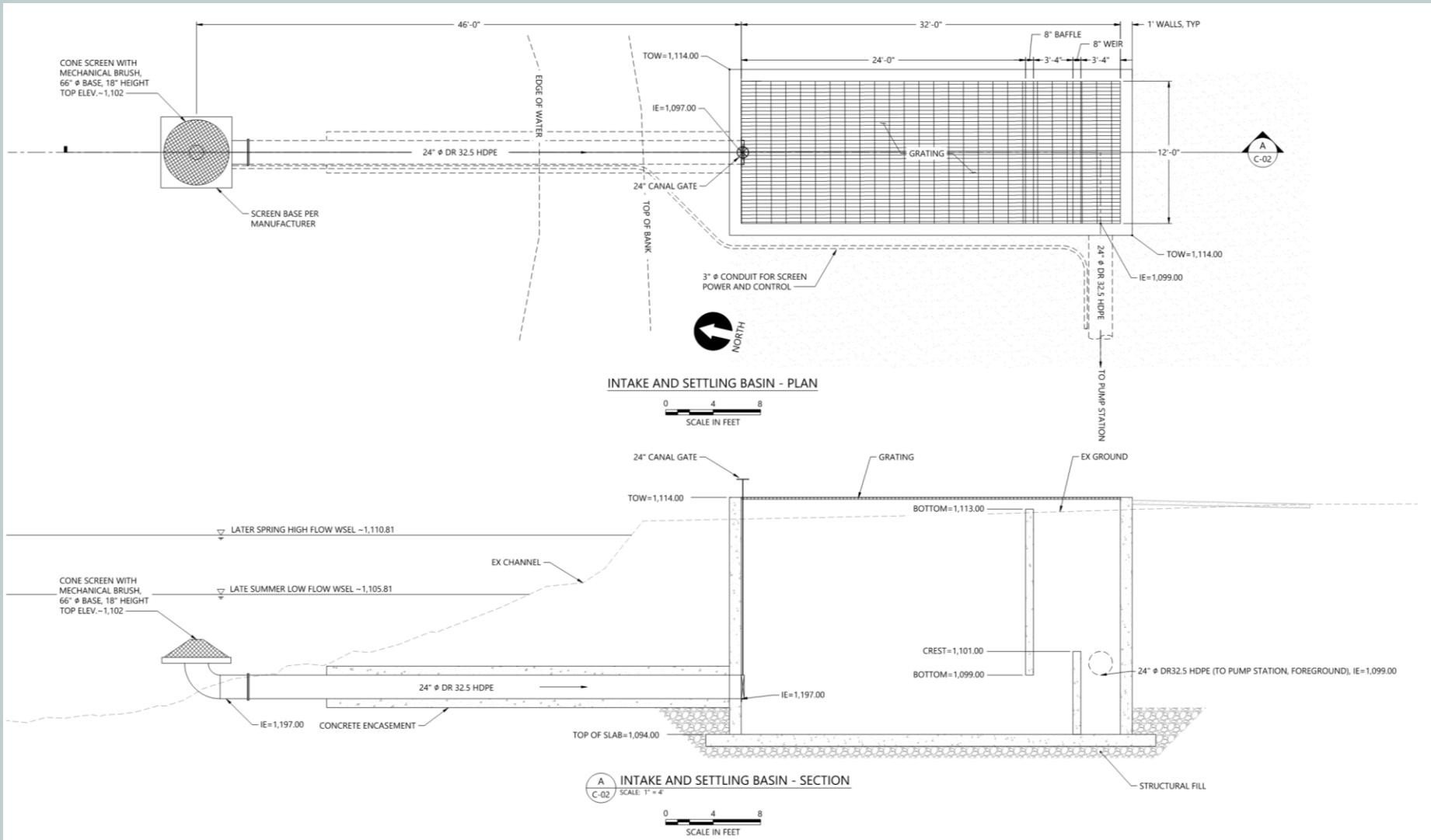




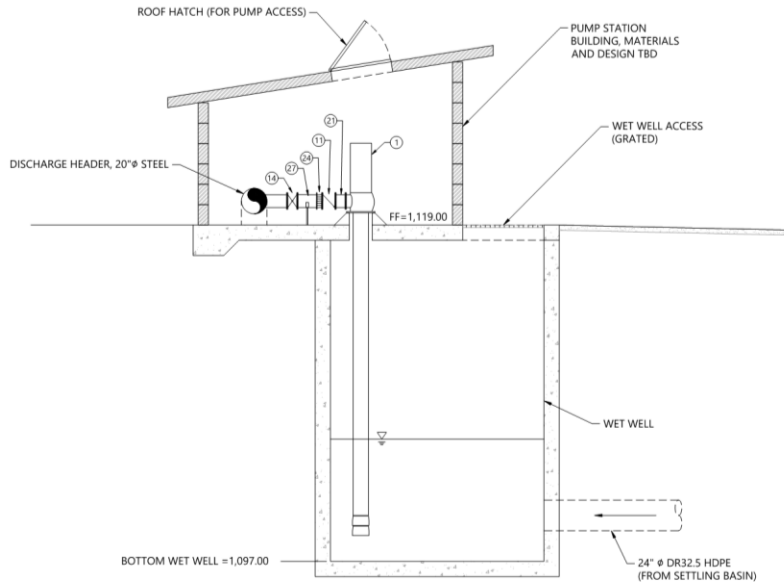
# Proposed Intake and Pumping Facilities



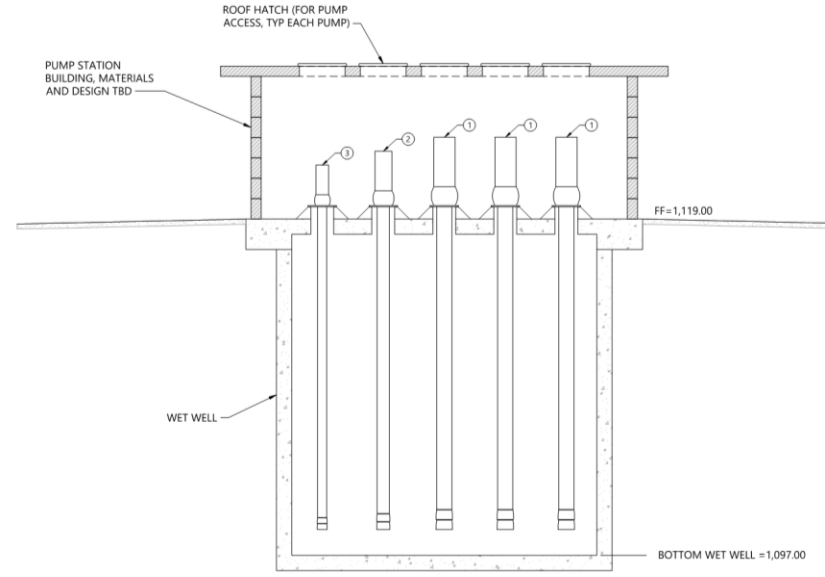
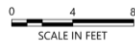
# Proposed Intake Facilities



# Proposed Pump Station



**B** PUMP STATION - SECTION  
C-02 SCALE: 1" = 4'



**C** PUMP STATION - SECTION  
C-02 SCALE: 1" = 4'



# Ongoing Work/Next Steps

- Permitting – Underway
- Additional Topographic Survey – Nearly Complete
- Negotiations with Property Owner – Ongoing
- Coordination with COIC Shareholders – Ongoing
- Detailed Design of Lateral Improvements – Ongoing
- Detailed Design of Main Line – Finalizing Scope of Work
- Detailed Design of Intake and Pump Station Facilities – Finalizing Scope of Work



# Questions/Discussion

