

An aerial photograph of a large reservoir, likely Silver Lake or Ivanhoe Reservoir, surrounded by a residential area. The water is a deep blue-green color. The text is overlaid on the image in white, bold, sans-serif font.

SILVER LAKE & IVANHOE RESERVOIRS AERATION AND RECIRCULATION SYSTEM PROJECT

June 15, 2021

Susan Avila

Project Management Office

Background

- Reservoirs were taken out of the water system service
 - Silver Lake in 2013 and Ivanhoe in 2017
- In April 2017, reservoirs were refilled with surplus water from the Eastern Sierra
- To maintain the water level in the Reservoirs, groundwater from Pollock Wells is used
- Water Quality Testing

Project Objectives



- Control algal growth and associated odors at Reservoirs
- Install aeration and recirculation system to properly mix the water body



Project Status

Aeration System

- Design was completed in May 2018
- Construction started May 10, 2021 by our in-house construction crews

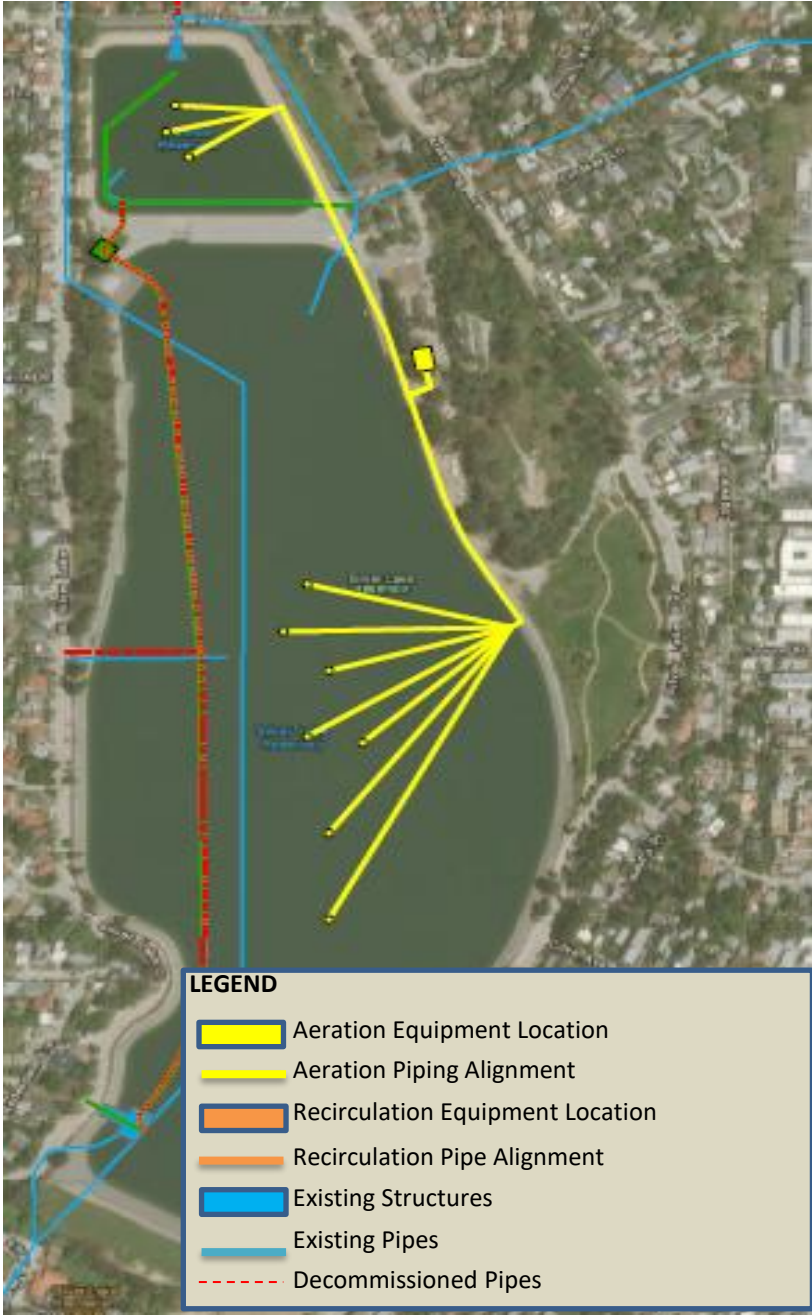
Recirculation System

- Design started in October 2018 and was completed December 2020
- Construction will follow the Aeration project also by in-house crews

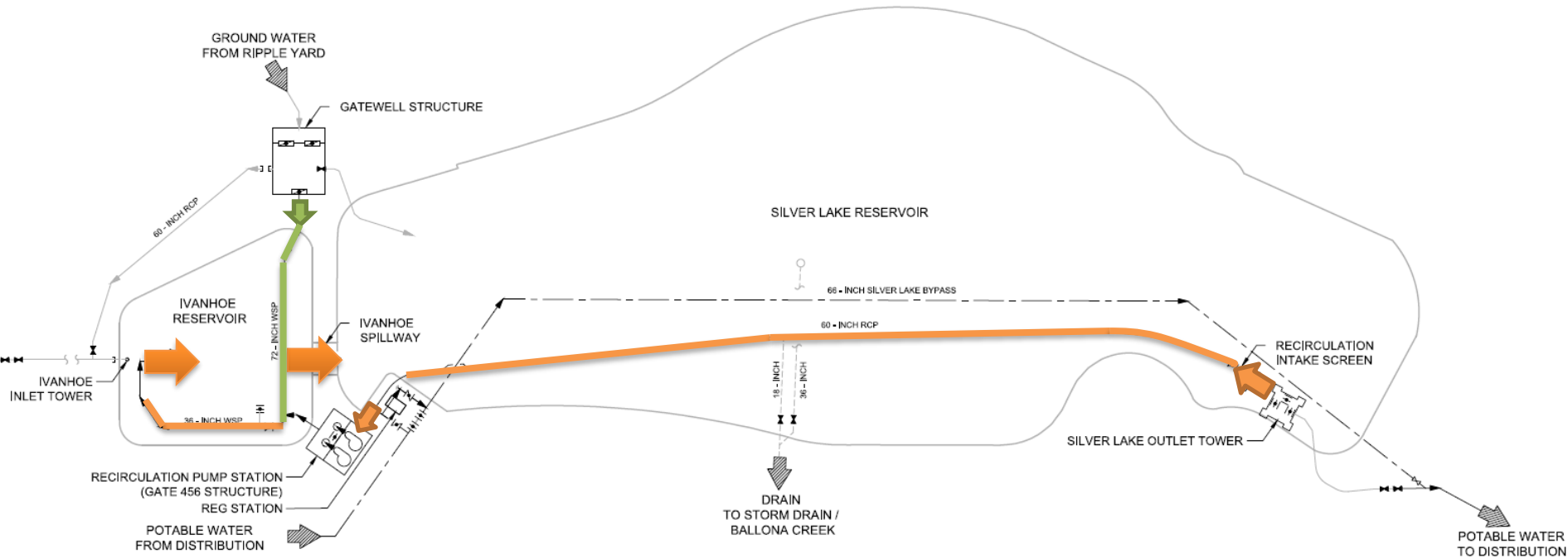
Both systems to be operational by Summer 2023

Silver Lake Reservoir Complex

Aeration Project



Recirculation System



Construction

- Aeration and Recirculation Timing
- Ivanhoe Reservoir **WILL** be drained into Silver Lake Reservoir
 - Drained Spring 2022
 - Refilled Spring 2023
- Silver Lake **WILL NOT** be drained

Construction

- Construction vehicles
 - Backhoes and trucks
- Noise reduction measures will be implemented
- Traffic impacts are not anticipated
 - All work within complex
- Work hours
 - 7am to 3:30pm, Monday thru Friday

Contact Information

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QUESTIONS

