



SILVER LAKE & IVANHOE RESERVOIRS AERATION AND RECIRCULATION SYSTEM PROJECT

June 22, 2022
Gracy Estrada
Project Management Office

Background

- Reservoirs were removed from service
 - Silver Lake in 2013 and Ivanhoe in 2017
- To ensure the reservoirs are maintained at the community commitment levels, groundwater from Pollock Wells is used to refill.
- The water is tested periodically for water quality

Project Objectives



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



Project Status

Aeration System

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

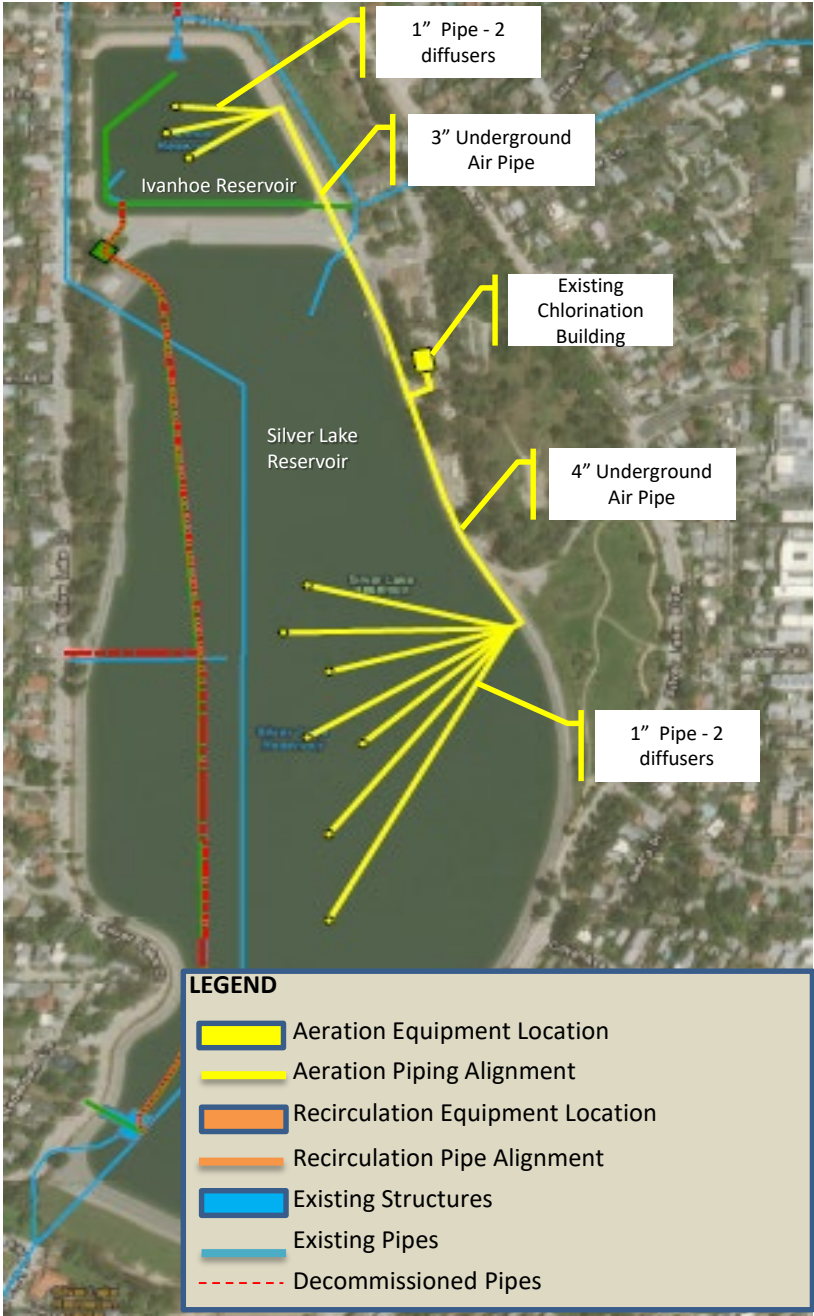
Recirculation System

- Design was completed December 2020
- Construction will start after Ivanhoe is drained also by in-house crews

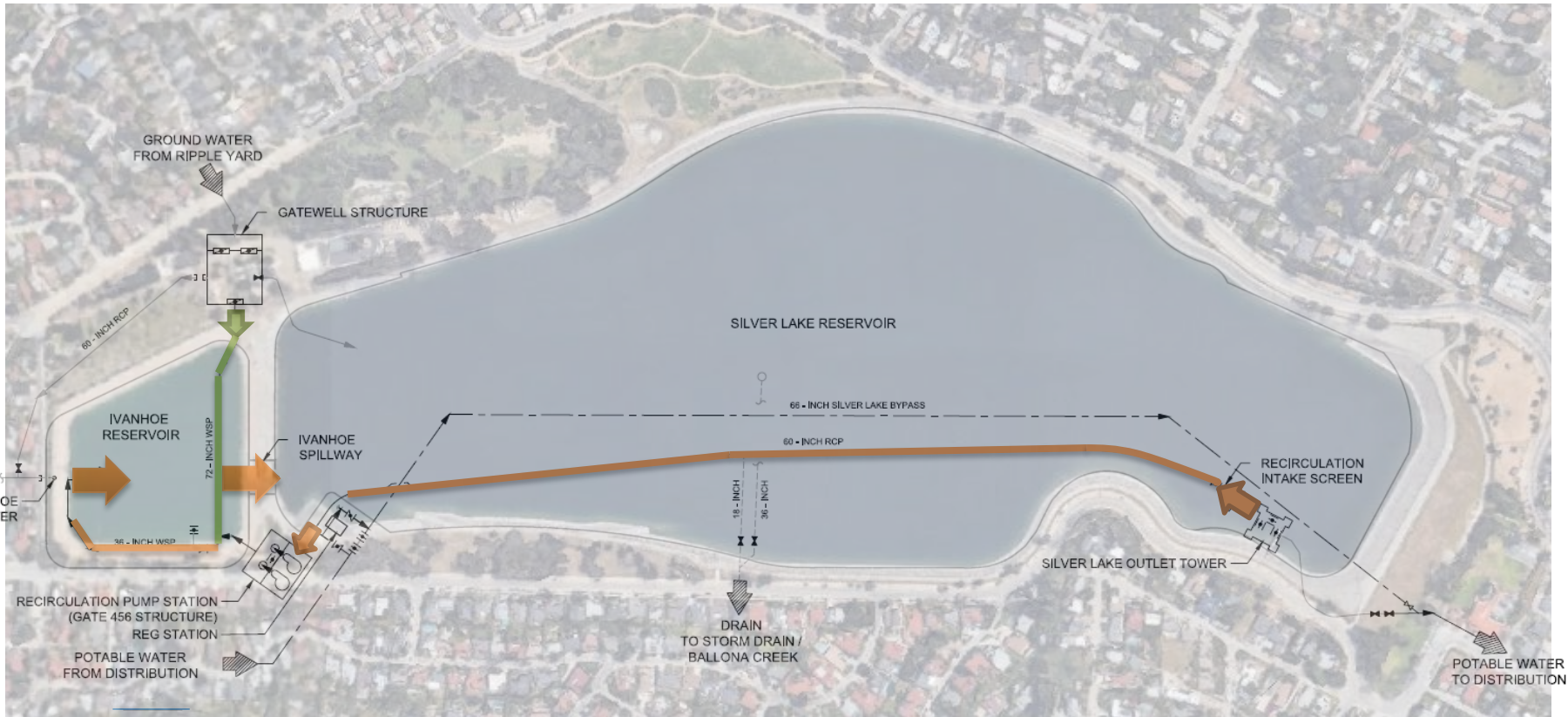
Both systems to be operational by Summer 2023

Silver Lake Reservoir Complex

Aeration System



Recirculation System



CONSTRUCTION TIMELINE



- Ivanhoe Reservoir **WILL** be drained into Silver Lake Reservoir
 - Draining anticipated early July 2022
 - Refill projected for Summer 2023
- Silver Lake **WILL NOT** be drained

Construction Information

- Construction vehicles
 - Backhoes and trucks
- Noise reduction measures continue to be implemented
- All work within the complex
- Bird Nesting Season
 - Nesting Bird Survey completed on March 8, 2022
 - Monitor during construction activities.
- Work hours
 - 7:00 am to 3:30 pm, Monday thru Friday
 - Working hours will be extended during the draining of the Ivanhoe Reservoir.

Draining of the Ivanhoe Reservoir

Duration will be approximately 55 working days

- Must comply with DSOD .

Items required to support the draining

- Pedestrian walkway trail closure for a few hours.
 - Access required for boat placement
- A crane will be delivered to the site.
 - No impacts to the pedestrian walkway
 - Additional bird survey to be completed prior to mobilization of crane.
- Pumps will be used to support the draining activities
 - Pump schedule: Monday-Saturday, from 7:00 am - 3:00 pm
 - Noise reduction measures will be implemented

Other Silver Lake Reservoir Projects

Silver Lake Stormwater Capture Project is being re-evaluated due to:

- Low volume of Stormwater
- Extremely high cost per acre-foot
- Unknown Water Board permit requirements for discharge

Project	Estimated Volume, AFY	\$/AF
Pollock Well No. 3 (non-potable water)*	535	\$ 234
Purchased MWD Water (Tier 1, Untreated)	-	\$ 777
Typical Cost for SWC Projects	-	\$ 1,100
Purchased MWD Water (Tier 1, Treated)	-	\$ 1,104
Silver Lake Stormwater Capture	63	\$ 2,980

Contact Information

- www.Ladwp.com/slrc
- Dawn Cotterell – Public Relations
dawn.Cotterell@ladwp.com
(213) 367-4209
- Gracy Estrada –Assistant Project Manager
Gracy.Estrada@ladwp.com
(213) 367-4702
- Susan Avila – Project Manager
susan.avila@ladwp.com
(213) 367-4750

QUESTIONS

