

Silver Lake Reservoir Complex Storage Replacement Project:

Bypass Pipeline - Construction Update

Los Angeles Department of Water & Power
Silver Lake Neighborhood Council– February 29, 2016





Background

- The Silver Lake Reservoir Complex (SLRC) Bypass Pipeline Project is a key component of the SLRC Storage replacement
- Required to comply with updated U.S. Environmental Protection Agency water quality regulations
- The SLRC Storage Replacement Project includes:
 - Construction of the Headworks Reservoir and
 - The construction of a bypass line at the SLRC
- Allows for the preservation of Ivanhoe and Silver Lake Reservoirs for the public's benefit

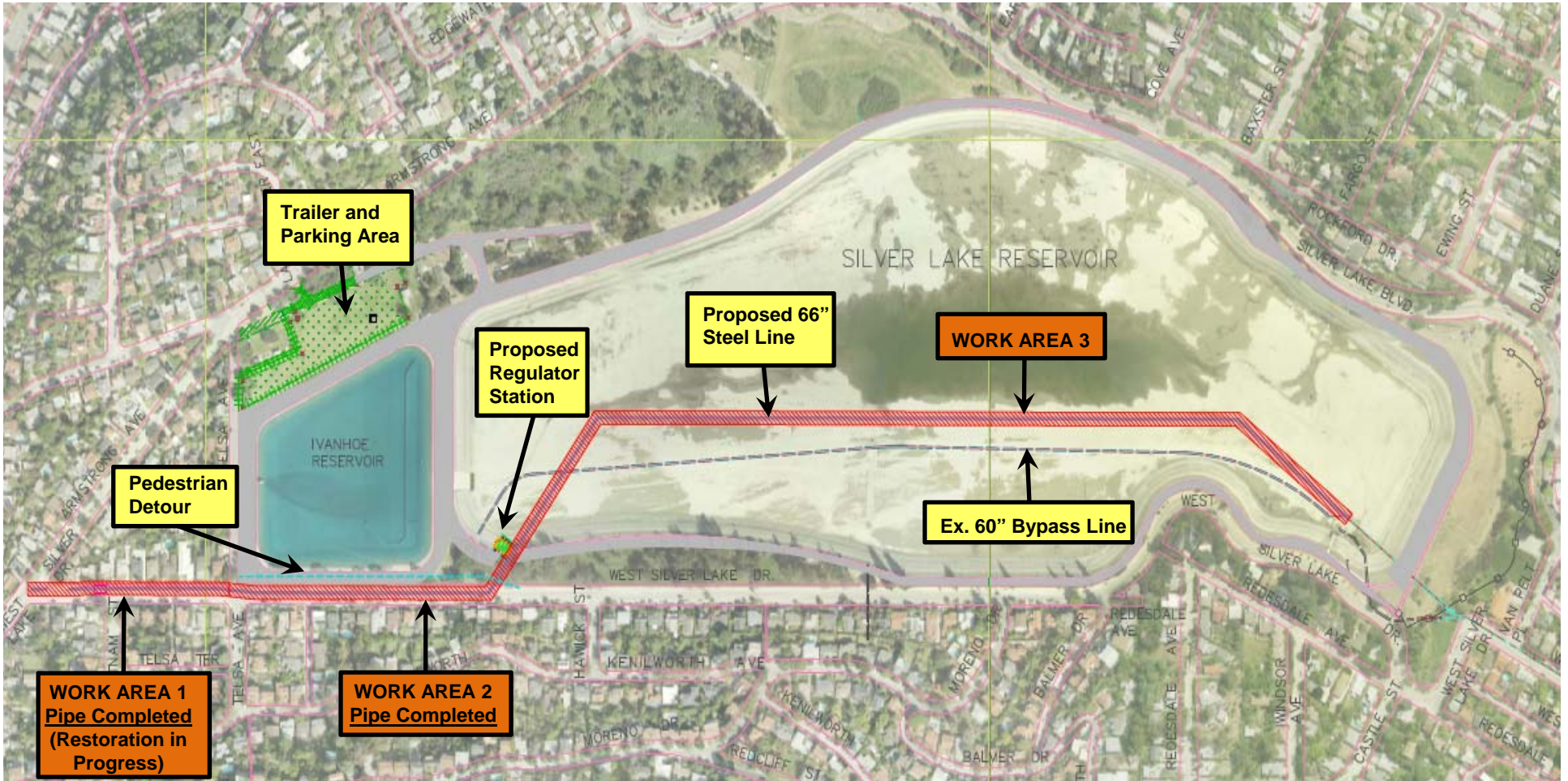


LADWP's Commitments for Construction

- Maintain perimeter walking path
- Start major construction activities in the reservoir complex outside of bird nesting season
- Minimize truck trips
- Use multiple methods to control dust
- Work with arborist to protect trees
- Use reservoir as staging area
- Remove shade balls, and partially fill Ivanhoe Reservoir (*Postponed due to operational needs*)
- Replace landscaping and vegetation
- Pave roadway within construction zone
- Refill Silver Lake and Ivanhoe Reservoirs



Construction Details & Sequencing Pipeline Route





Construction Activity Overview

<u>ACTIVITY</u>	<u>SCHEDULE</u>
<input type="checkbox"/> Pipeline installation in West Silver Lake Drive (Work Area 1 and Work Area 2)	Completed
<input type="checkbox"/> Pipe connection to RSC4 (Armstrong Ave & West Silver Lake Drive)	Completed (Restoration In Progress)
<input type="checkbox"/> Restoration of West Silver Lake Drive (Back to Two-Way Traffic)	In Progress September 2015– March 2016*
<input type="checkbox"/> Regulator Station	In Progress September 2015 – Late 2016
<input type="checkbox"/> Drink down Silver Lake Reservoir (Filtered & Treated 168MG)	Completed
<input type="checkbox"/> Work in the Silver Lake Reservoir Bottom	December 2015 – Late 2016
<input type="checkbox"/> Planting of Street Trees on West Silver Lake Drive and Restoration of Trailer & Parking Area	Fall 2016

* Weather Permitting



Construction Details & Sequencing

Pipe Connection at West Silver Lake Dr & Armstrong Ave.



- Completed Connection of New Silver Lake Bypass to River Supply Conduit Unit 4
- Restoration Scheduled for Completion March 2016 (Weather Permitting)



Traffic Flow & Parking

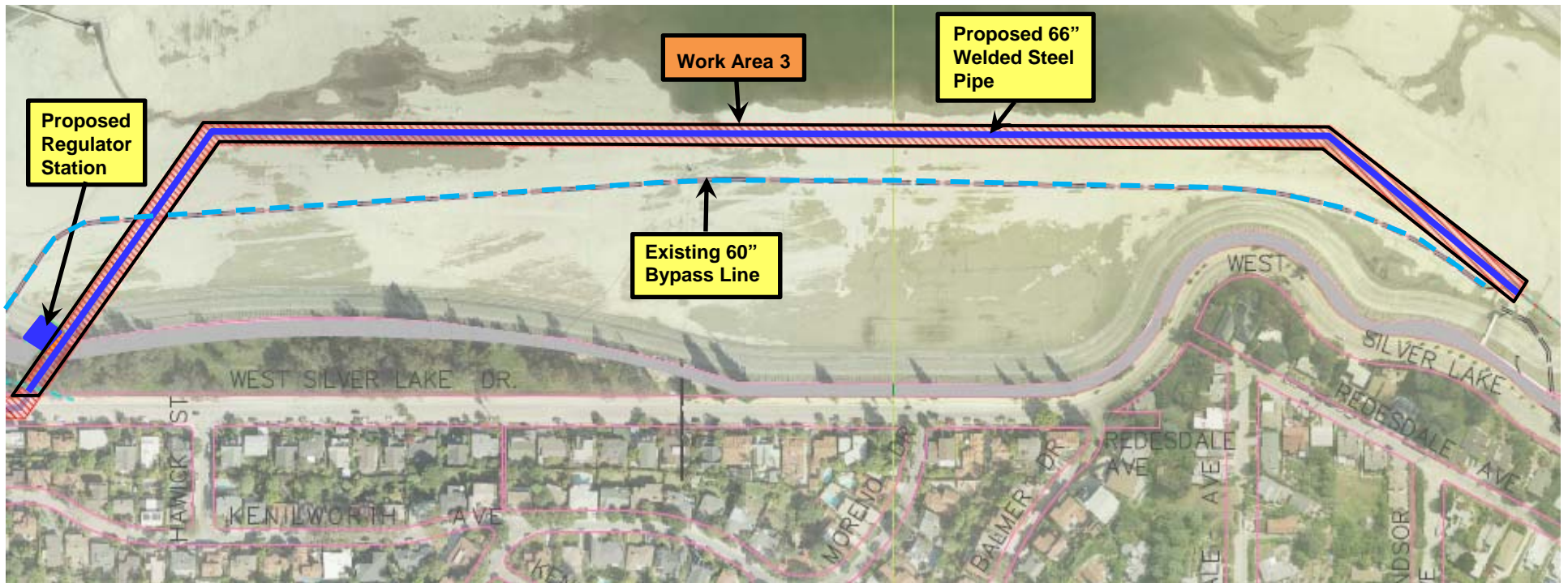
Expected to Return to Normal Conditions March 2016





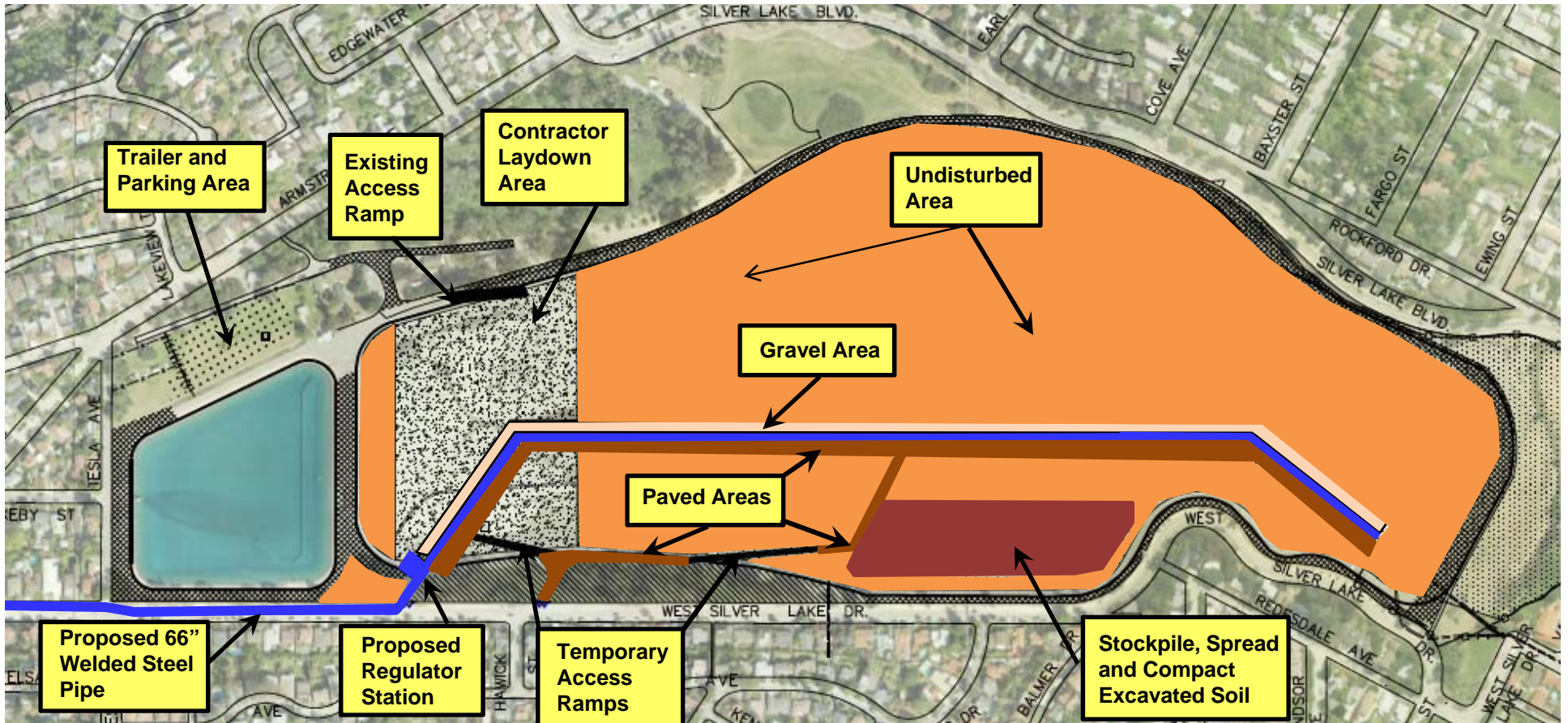
Construction Details & Sequencing

Regulator Station & Pipeline Installation Within Reservoir (January 2016 – January 2017)



- Silver Lake Reservoir emptied for approximately 12 months during construction
- 3,000 feet of pipeline along the bottom of the Silver Lake Reservoir
- Construction of the regulator station on the bank of Silver Lake Reservoir

Dust Mitigation



LADWP will employ dust mitigation measures throughout the construction phase including:

- Placing soil binder, sprinkler system, using watering truck or combination on the undisturbed areas
- Paving or placing gravel in areas within the reservoir that will be disturbed by the contractor.
- Air Quality Management District Rule 403 compliance monitoring

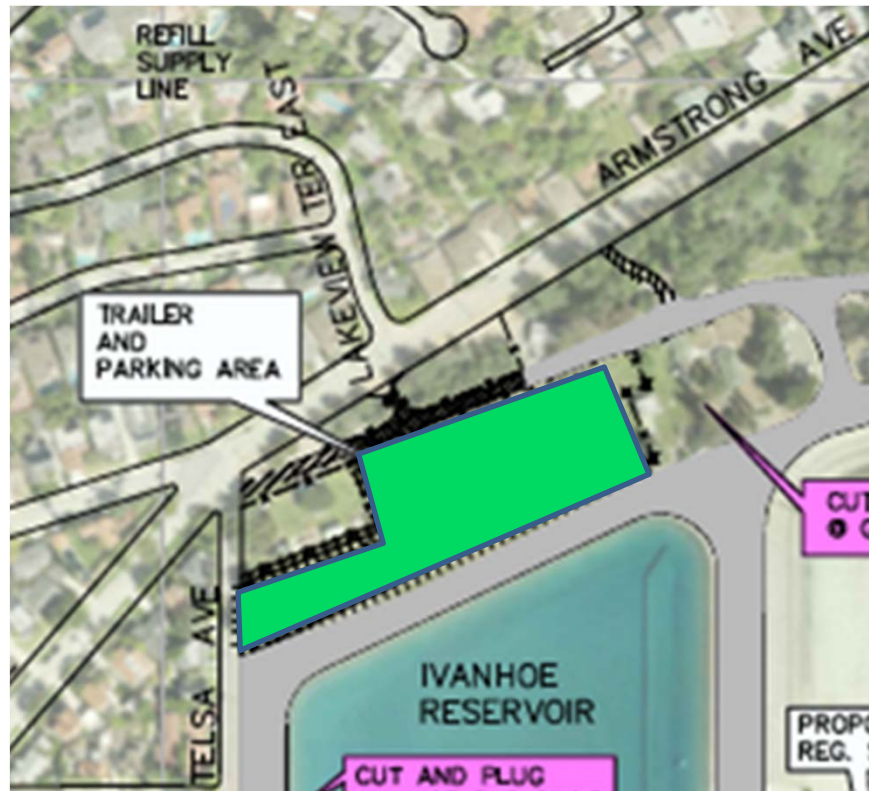


Street Trees



- Seven street trees located on the east side of West Silver Lake Drive will be removed and replanted.
- After construction is complete, a total of fourteen new trees will be planted at various locations around the Silver Lake Reservoir Complex

Restoration of Trailer & Parking Area



Bearberry Cotoneaster - *Cotoneaster dammeri* 'Lowfast'



Golden Flax Lily - *Dianella tasmanica* 'Yellow Stripe'



Atlas Fescue - *Festuca mairei*



Deer Grass - *Muhlenbergia ripens*



Thin Grass - *Agrostis exilis*

- After construction completion, the area used for trailer and parking will be restored and re-landscaped with a color palette similar to the one shown above. Twenty-five new trees will be planted.



Typical Construction Work Hours & Project Contact Information

- Monday – Friday: 7 am to 4 pm
- Occasionally, Hours May Be Extended to 8 pm
- Some Saturdays May Be Required
- Next Community Meeting
 - Ivanhoe Elementary School Auditorium
 - March 31, 2016 from 6:30 pm – 8 pm
- General Information – Dawn Cotterell (213) 367-4208
- Construction Information – Alex Reyman (213) 367-0900
- Project Website - www.ladwp.com/SLRCBypass