

# **Leland Reservoir and Pipeline Replacement Project**

## **Community Meeting #2 - Scoping**

**The Meher Schools**

**September 15, 2016**

**6:30-8:30 pm**

# Project Team



## **EBMUD**

- Oscar Herrera, PE, Project Manager
- Jeni McGregor, PE, Senior Engineer
- David Rehnstrom, PE, Water Distribution Planning Division Manager
- Kathryn Horn, Community Affairs

## **Consultants**

- Robin Cort, Ph.D., RMC Water & Environment
- Barbara Lundburg, RHAA Landscape Architects

# Agenda



- **Overview of Project Components, Scope, and Schedule**
  - Notice of Preparation: August 31, 2016 to September 30, 2016
- **Project Need and Constraints**
- **Review of Issues from August 3, 2016 Meeting #1**
  - Q & A Handout
- **CEQA Requirements (RMC)**
  - Process, Scoping, and Environmental Issues
- **Landscape Visual Changes (RHAA)**
- **Feedback & Discussion / Q & A**

# Leland Reservoir & Pipeline Replacement Project Overview



# Project Schedule



Environmental Impact Report  
2016-2017



Design  
2020-2022 (~2 years)



Construction  
2022-2025 (~2.5 years)

A photograph of a tennis court with a chain-link fence in the foreground and trees in the background. The text is overlaid on the image.

# **Leland Reservoir & Pipeline Replacement Project Need and Constraints?**

# Leland Reservoir



- 14.5-acres opposite 1050 Leland Drive
- Constructed 1955, 18-million gallon open-cut reservoir
- Serves Lafayette, Walnut Creek, Pleasant Hill



# Open-cut reservoir





LELAND RESVR  
4-64

CA State Hwy 24

Maryola Ct

Mars Ct

Sun Valley  
Bible Chapel

Meher Field

Patty Way

Leland Drive

Sunset Loop





CA State Hwy

Maryola Ct

Mars Ct

Sun Valley  
Bible Chapel

Meher Field

Patty Way

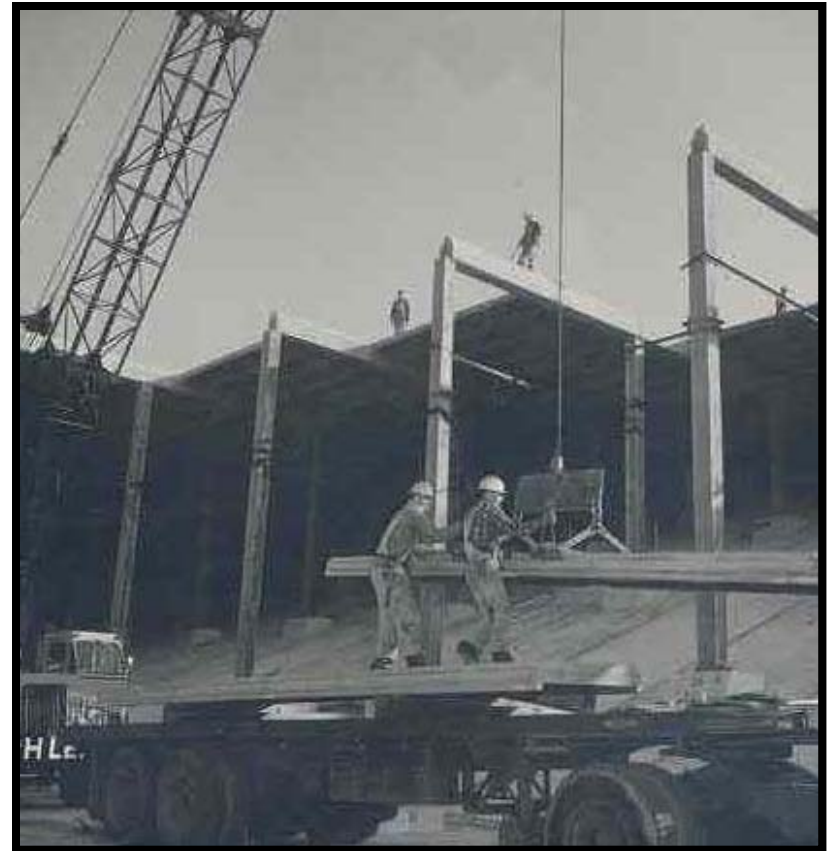
Sunset Loop



# Need for the Project



- Correct inaccessible transmission pipeline
- Replace aging electrical & mechanical equipment
- Replace structure that is unsafe for personnel to access

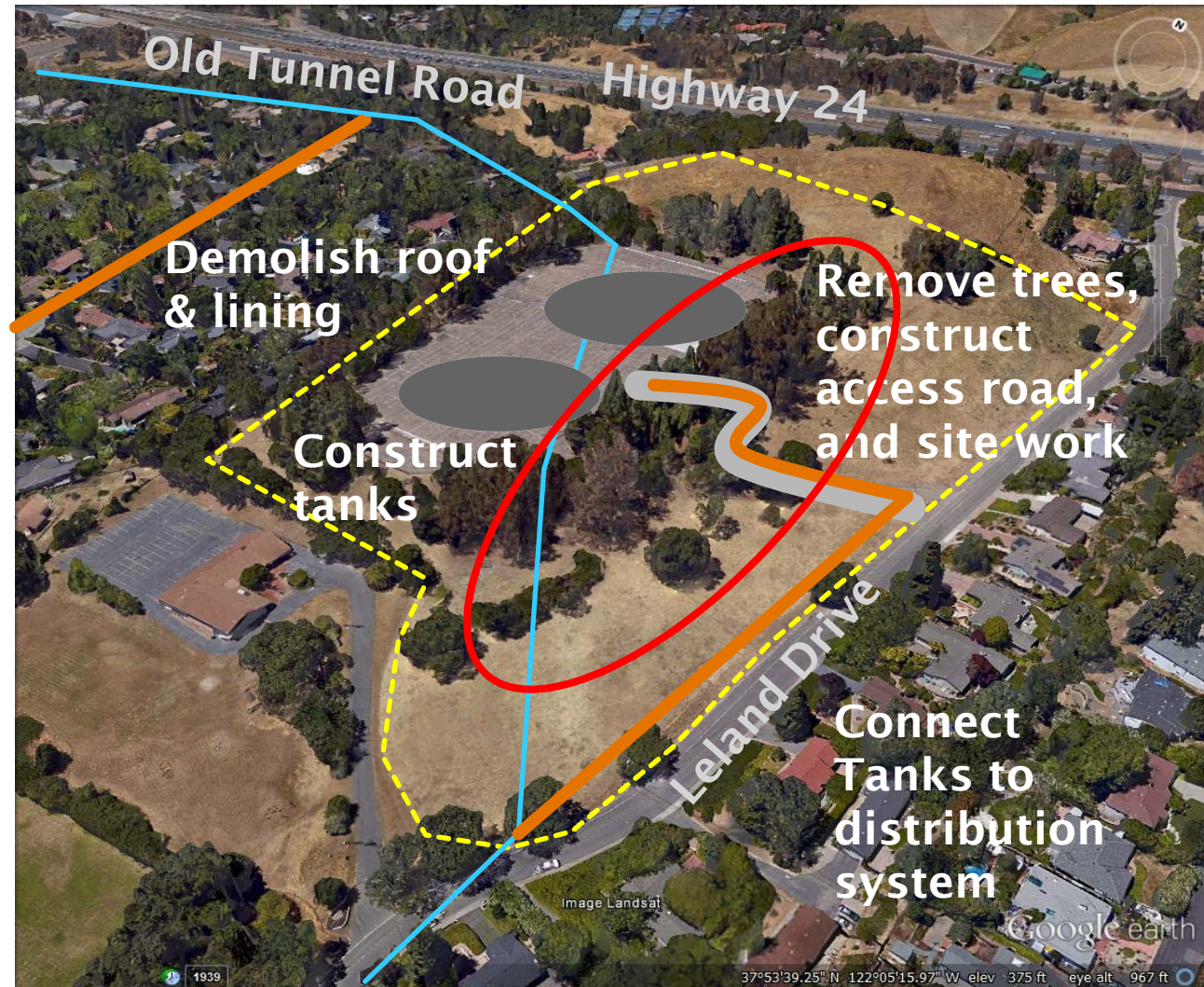


Leland Reservoir Construction (1950s)

# Leland Reservoir Replacement



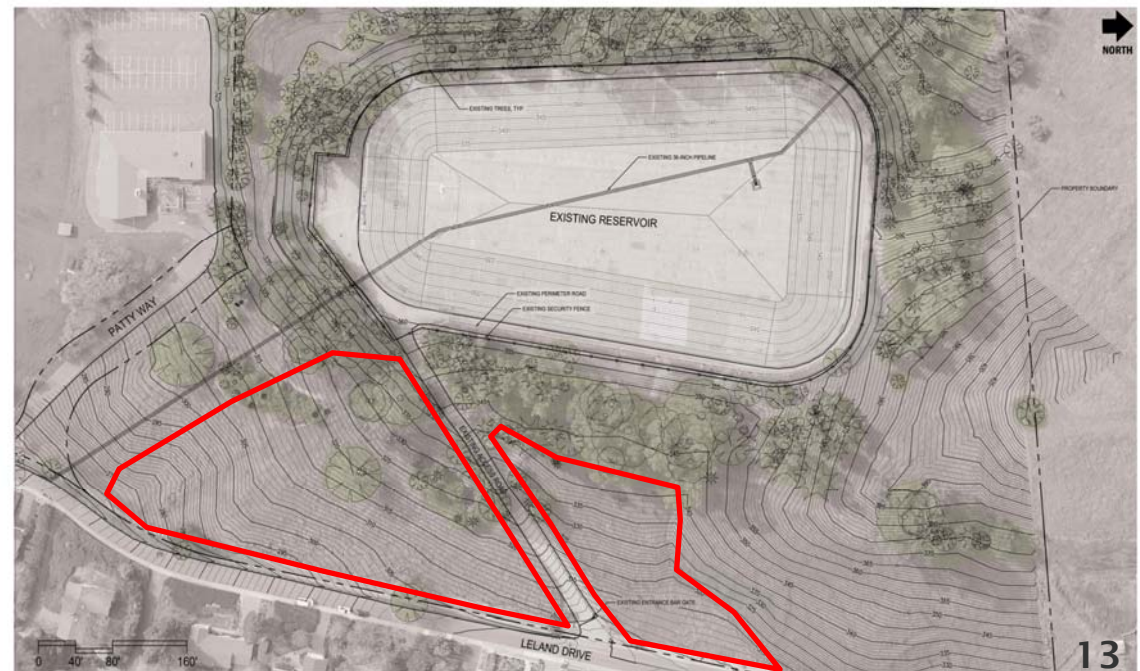
**Construct  
36" Transmission  
Pipeline**  
-Windsor Drive  
-Condit Ct



# Existing Site Topography and Landscaping



- ~480 Trees
- Eucalyptus
- Pines
- Oaks

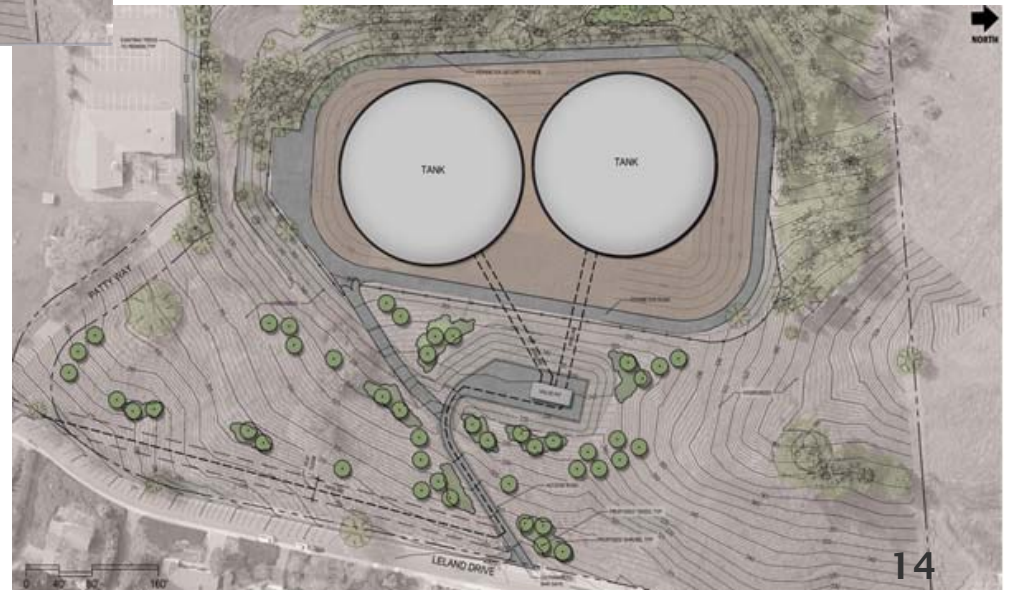


Leland Reservoir  
Lafayette, CA  
03 AUG 2016

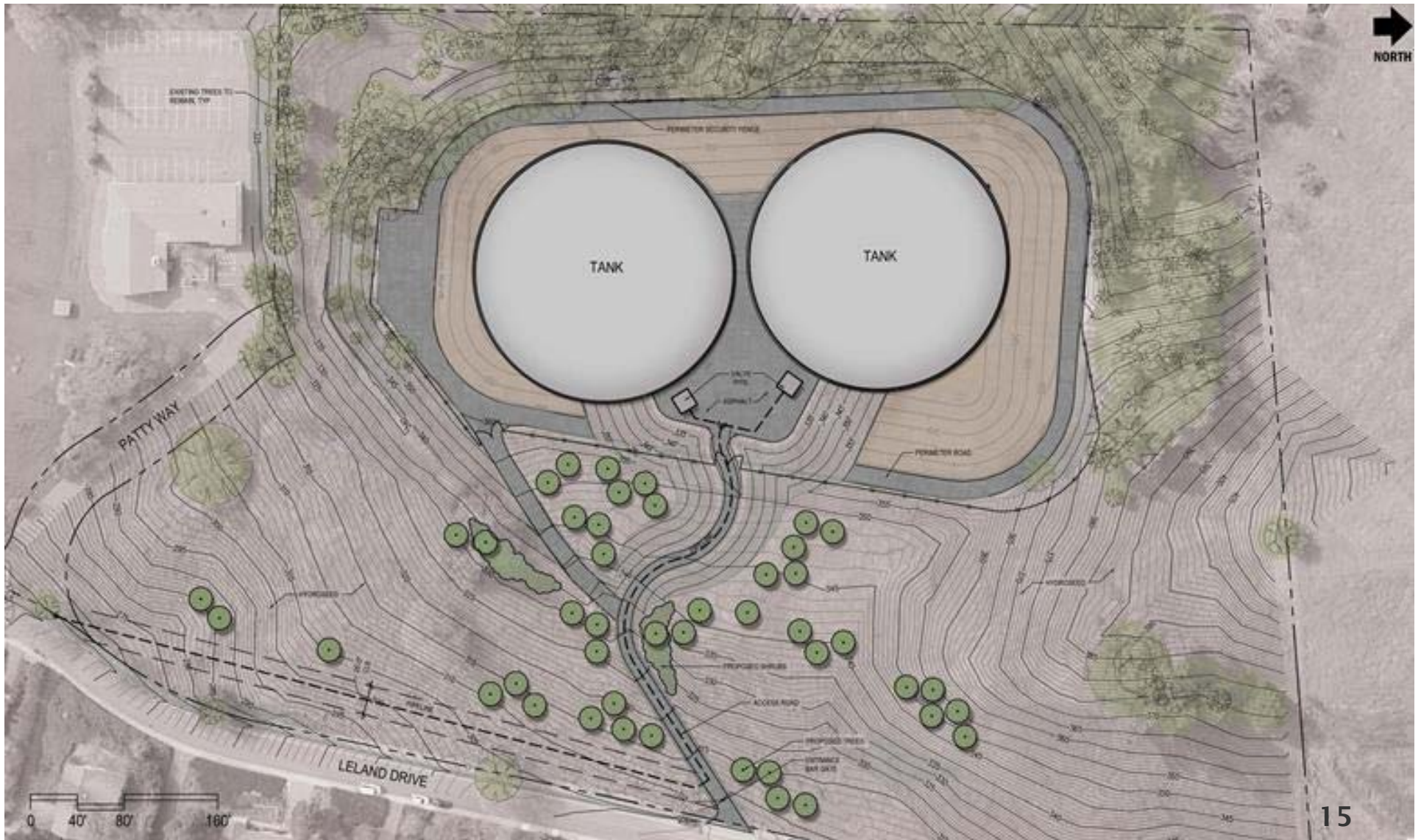
Existing Conditions Plan



# Leland Reservoir Replacement Alternatives



# Preferred Alternative



# Meeting #1 (8/3/16) Questions



- **Q & A Handout**
  - Pipeline Alignment Alternatives
    - Old Tunnel Road or through the site
  - Reservoir Capacity
    - Existing 18-MG vs New Tanks at 16-MG
  - Impacts to Sewer Laterals and other Utilities
    - EBMUD to coordinate with utility owners to mitigate impacts
  - Rodent Displacement



The image features a large, dark tree trunk on the right side, set against a background of a lush green field and a line of trees in the distance. The top of the slide is decorated with a blue and green grid pattern. The title text is centered over the image.

# **CEQA Requirements, Process, and Scoping**

# CEQA Requirements



## **California Environmental Quality Act requires:**

- Environmental review and public notification for discretionary actions conducted by public agencies
- Identify potential environmental impacts
- Development of mitigation measures and project alternatives to potentially reduce or avoid these impacts.

# CEQA Process, Purpose, and Schedule



Initial Study  
Completed

Determine that an Environmental  
Impact Report (EIR) is necessary

Community Meeting #1  
August 2016

Introduce project, gain feedback:  
August 3, 2016 – Q & A Handout

Notice of Preparation  
Late August 2016

Review Period: 8/31/16 to 9/30/16  
NOP Available on EBMUD Website

Community Meeting #2  
Mid-September 2016

Discuss scope of the EIR with you &  
receive comments

# CEQA Process , Purpose, and Schedule



Prepare Draft EIR  
April 2017

← -Determine impacts and how to mitigate  
-Publish DEIR for Public Review



Public Meetings  
May 2017

← Discuss findings of the EIR with you &  
receive comments



Publish Final EIR  
November 2017

← Address comments



Board Certification  
December 2017

← Public Hearing

# Purpose of Scoping



Provide the public and agencies an opportunity to offer input into the scope and content of the EIR, including:

- Information useful to the analysis
- Potential environmental issues
- Scope and range of alternatives
- Potential mitigation measures



# Environmental Issues

# EIR Will Address Potential Impacts



- Aesthetics
- Air Quality/Climate
- Biological Resources
- Cultural Resources
- Geology/Soils
- Greenhouse Gas Emissions
- Hazards/Hazardous Materials
- Hydrology/Water Quality
- Land Use/Planning
- Noise
- Recreation
- Transportation/ Traffic

# Construction Impacts



- Construction unavoidably causes some neighborhood disruption
- Pipeline construction: 6-7 months
  - Construction moves at 80-200 feet/day
  - Crew moves through area
- Reservoir construction: 2 years
- EBMUD will employ measures to minimize impacts on neighborhood





# Pipeline Construction Impacts



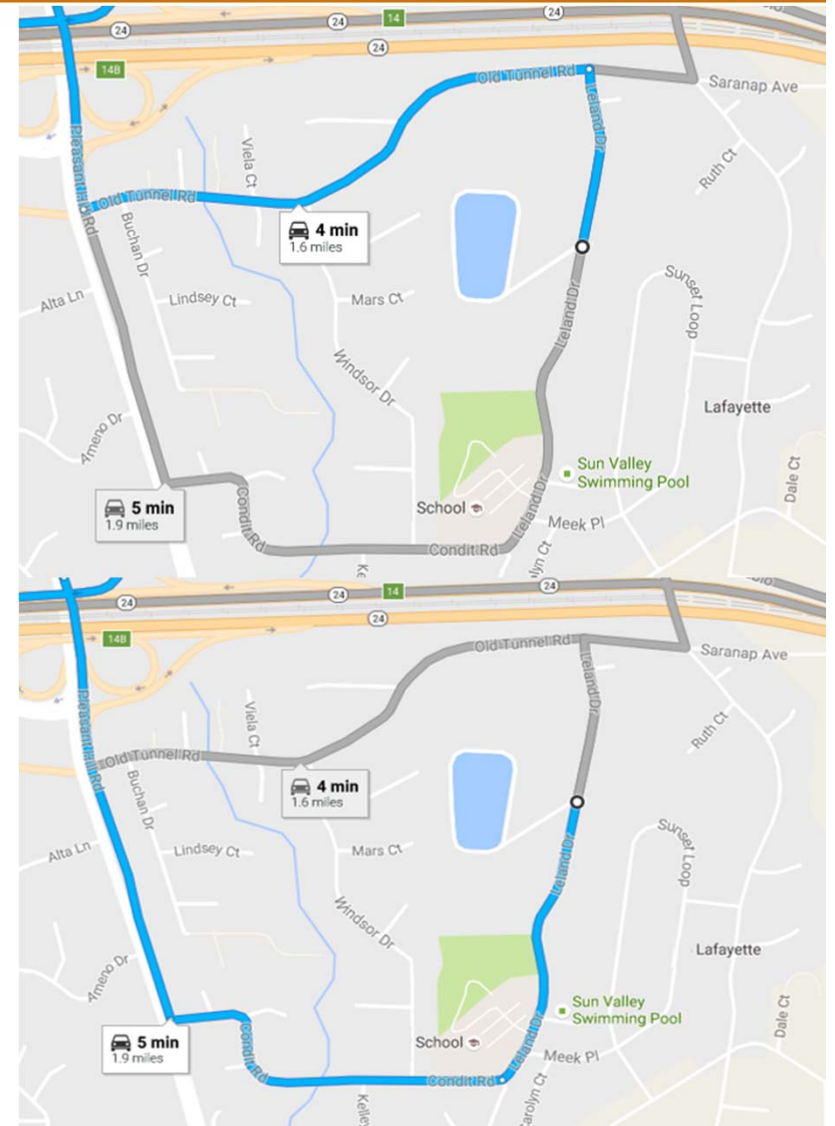
- Traffic impacts will be addressed through traffic control plan
  - Maintain local access
  - Plate over trench at night
  - Repave street
- Dust and noise will be controlled as much as possible



# Reservoir Construction Impacts



- Tree removal is needed
- Soil stockpiling
- Haul trucks to remove excess soil
- Dust and noise impacts



# Long-Term Operational Impacts

- Buried pipelines would not have any operational impacts on community
- Operation of reservoir would not change
- Reservoir site would have a different visual appearance

EXISTING CONDITIONS



PROPOSED CONDITIONS



Leland Reservoir  
1050 Leland Drive  
Lafayette, CA  
15 SEPTEMBER 2016



# Evaluation of Alternatives



- CEQA analysis of alternatives focuses on identifying alternatives that avoid or reduce any significant impacts

# Preferred Alternative



- Tanks partly buried
- Soil temporarily stored on site
- Haul trucks remove soil that cannot be stored
- Change in landscape



Leland Reservoir  
Lafayette, CA  
15 SEPTEMBER 2016

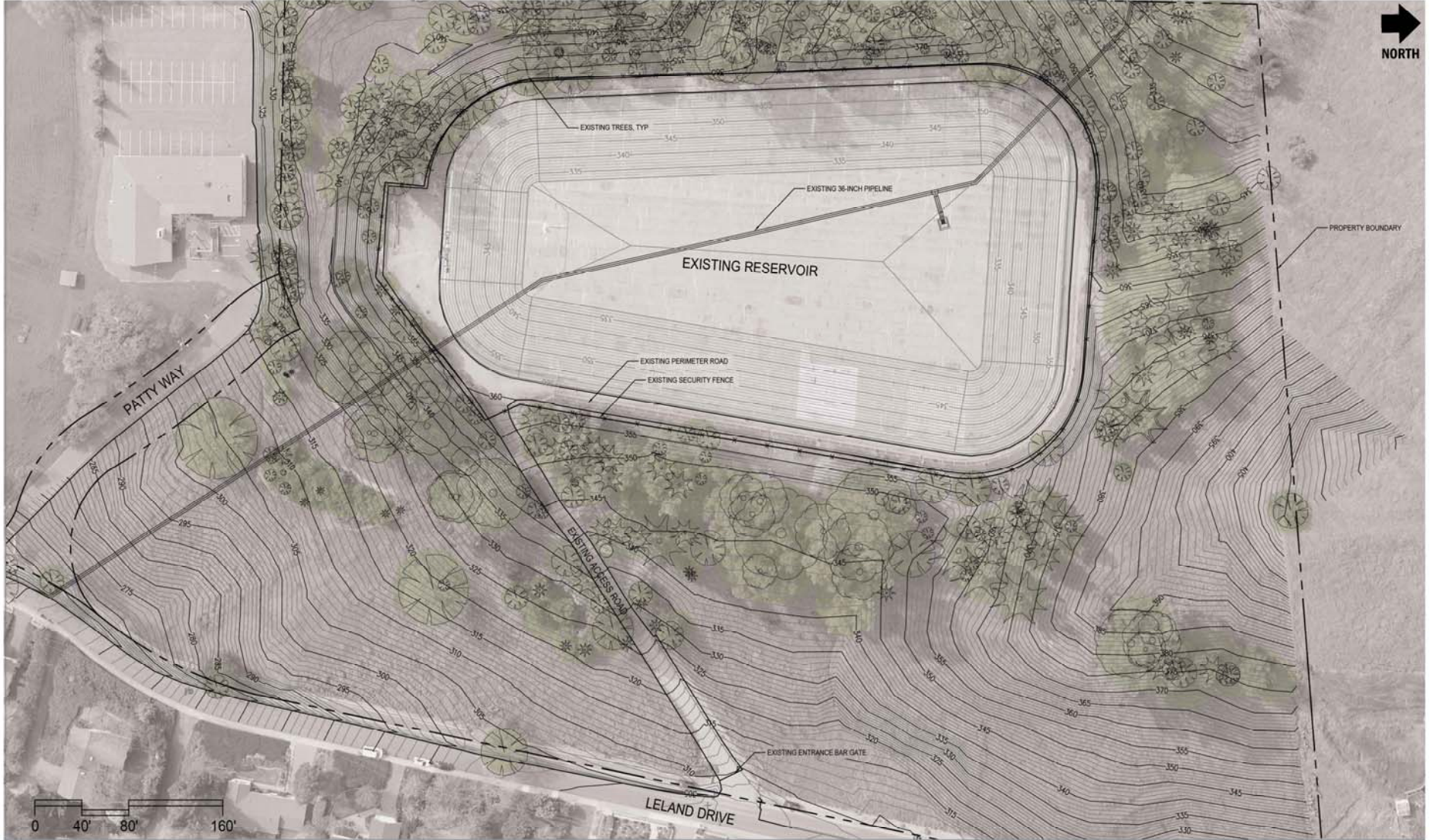
Concept Plan



The image features a large, dark tree trunk on the right side, set against a background of a lush green field and a line of trees in the distance. The sky is bright and clear. At the top of the page, there is a decorative header consisting of a grid of squares in shades of blue and green. The text is centered over the image.

# **Site Planning Concepts**

*Barbara Lundburg, RHAA*



**Leland Reservoir**  
 Lafayette, CA  
 03 AUG 2016

**Existing Conditions Plan**





Leland Reservoir  
 Lafayette, CA  
 15 SEPTEMBER 2016

Concept Plan





# 1040 Leland Drive

EXISTING CONDITIONS



PROPOSED CONDITIONS



# 1050 Leland Drive

EXISTING CONDITIONS

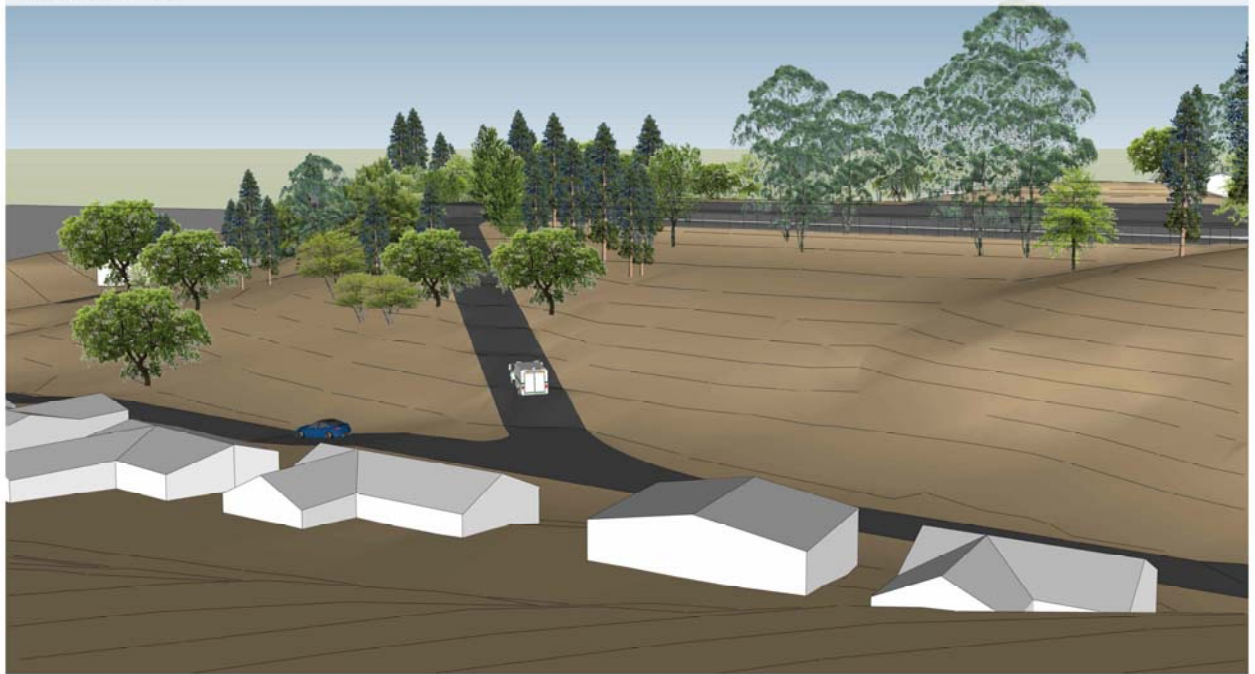


PROPOSED CONDITIONS



# 24 Ruth Court

EXISTING CONDITIONS



PROPOSED CONDITIONS



# 1411 Sunset Loop

EXISTING CONDITIONS



PROPOSED CONDITIONS



# 3134 Maryola Ct

EXISTING CONDITIONS



PROPOSED CONDITIONS



# Plants and Fencing



TREES



**QUERCUS AGRIFOLIA**  
Coast Live Oak



**QUERCUS LOBATA**  
Valley Oak

SHRUBS



**MUHLENBERGIA RIGENS**  
Deer Grass



**NATIVE GRASS MIX**  
Bromus cinnatus, California Brome  
Dymus glaucus, Blue Wildrye  
Vulpia microstachys, Three Weeks Fescue  
Trifolium obtusiflorum, Native Clover

FENCE



**SECURITY FENCE**  
8-foot high, 1-inch black vinyl coated mesh with  
barbed wire

HYDROSEED MIX



**WILDFLOWER MIX**  
Achillea millefolium, White Yarrow  
Clarkia elegans, Elegant Clarkia  
Collinsia heterophylla, Chinese Niviana  
Eschscholzia californica, California Poppy  
Gilia capitata, Globe Gilia  
Lupinus glabrata, Goldfields  
Laysia platyglossa, Tidy Tip  
Linum lewisii, Blue Flax  
Lupinus densiflorus, Golden Lupine  
Lupinus succulentus, Arroyo Lupine  
Nemophila menziesii, Baby Blue Eyes  
Phacelia campanulana, California Blue Bell  
Trifolium vesiculosum, Yellow Owl's Clover

The image features a large, dark tree trunk on the right side, standing in a lush green field. The background is filled with more trees and a bright sky. At the top of the image, there is a decorative header consisting of a grid of squares in shades of blue and green. Overlaid on the center of the image is the text "Next Steps and Providing Feedback" in a bold, black, sans-serif font.

# Next Steps and Providing Feedback

# Next Steps



- **Notice of Preparation Review Period**
  - August 31, 2016 to September 30, 2016
- **Publish Draft EIR**
  - April 2017
- **Public Meeting**
  - May 2017
- **Publish Final EIR**
  - November 2017



# How to Provide Scoping Comments



Scoping Comments due:

**5:00p.m. on September 30, 2016**

Mail or email comments to:

**Oscar A. Herrera, Associate Civil Engineer  
East Bay Municipal Utility District  
375 Eleventh Street, MS701  
Oakland, CA 94607-4240  
lelandreservoir@ebmud.com**

Include contact information (name, address, email, and phone number) for future correspondence related to the project



# Questions & Answers Community Feedback

Comments about project:

**Oscar Herrera, Project Manager**  
lelandreservoir@ebmud.com  
(510) 287-1005

General questions about EBMUD:

**Kathryn Horn, Community Affairs**  
kathryn.horn@ebmud.com  
(510) 407-2710