



**LOS ANGELES COUNTY
SANITATION DISTRICTS**
Converting Waste Into Resources

CLEARWATER PROJECT

Status Update

Sam Espinoza
July 24, 2024



Background

New effluent outfall tunnel needed to address the following concerns:

Aging
Infrastructure



Tunnels built in 1937 and 1958 and cannot be taken out of service.

Seismic
Reliability



Tunnels were not built to current seismic standards.

Limited
Capacity



During severe rainstorms in Jan/Feb 2024, the capacity was nearly exceeded.





EXISTING and PROPOSED
TUNNEL ALIGNMENT

Major Project Milestones

Jan 2019

Contract Awarded to Dragados USA for \$630,500,000

Apr 2019

Notice to Proceed

Jan – Jul 2020

Start/End Date Main Shaft Construction

Oct 2020

Tunnel Boring Machine Delivered

Jan 2022

Tunnel Mining Start Date

Approx. 64.6% of Project Time Elapsed

Approx. 63.9% of Project Expenditures Paid as of Jun-24





Los Angeles Harbor

San Pedro

Royal Palms Beach

7 mi

6 mi

4 mi

3 mi

2 mi



Harbor Regional Park

Target

Capitol & West

Gaffey St

Wilmington


Carson Shaft Site

0 mi

Carson

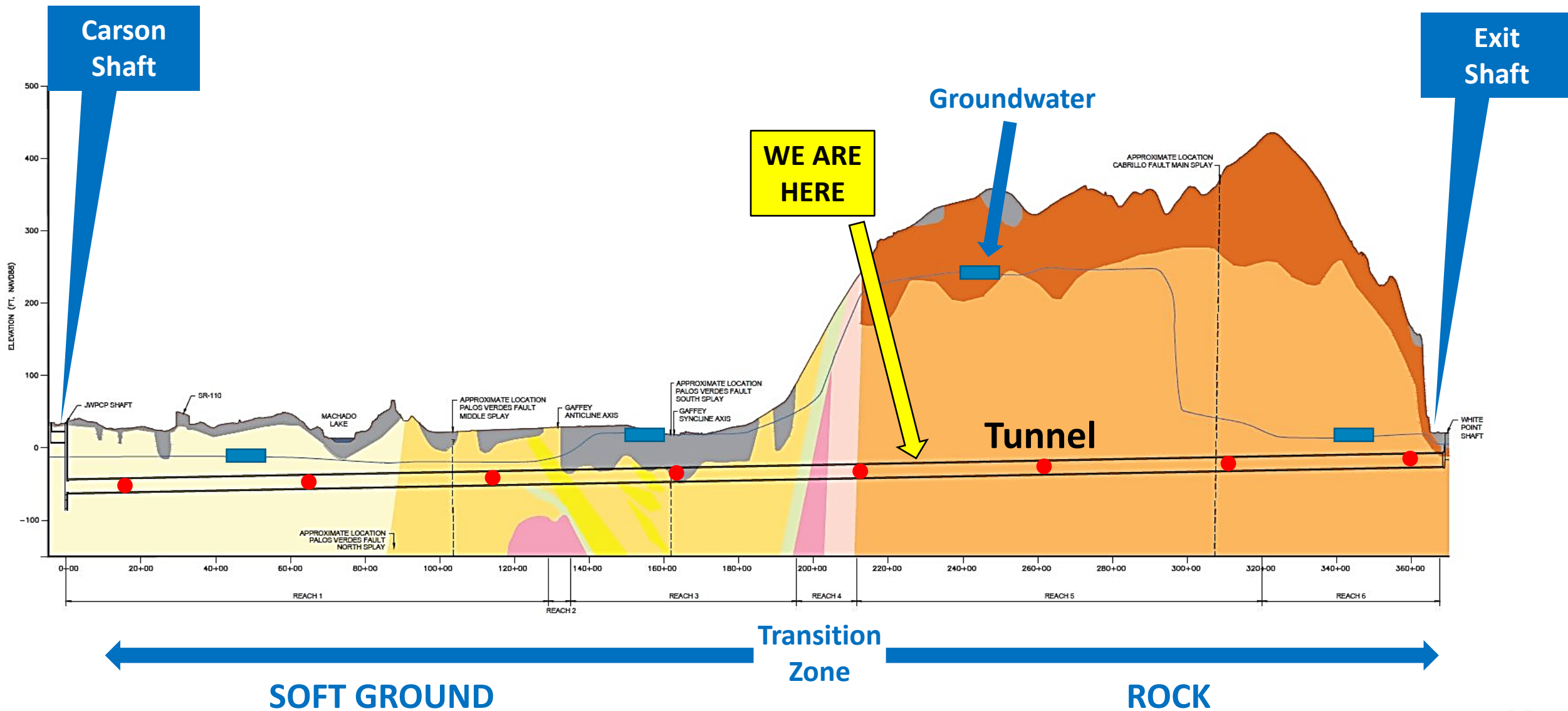
Current Location
4.4 Miles
Tunnel Completion
2Q 2025

Tunnel Alignment



Clearwater
Construction
Site in Carson

Starting
Point





A.K. Warren Water Resource Facility

Tie-In Location

8 FT TUNNEL
12 FT TUNNEL

SEPS FORCE MAIN

Lomita Blvd

Shaft

NEW TUNNEL

Figueroa St.



San Pedro

Cornerstone Church

Active Security Training

Remaining Major Items of Work

Completion of Tunneling

April 2025

Construct Tie-In Structures

March 2026

Construct New Discharge Manifold

October 2026

Construct New Valve Structures

September 2027

Activate New Tunnel

January 2028



Community Outreach



120 Presentations
for
Schools



Conducted Numerous
On-Site Tours
to Various Groups



81 Presentations to
Neighborhood
Associations,
Community
Organizations,
and Businesses

Questions?





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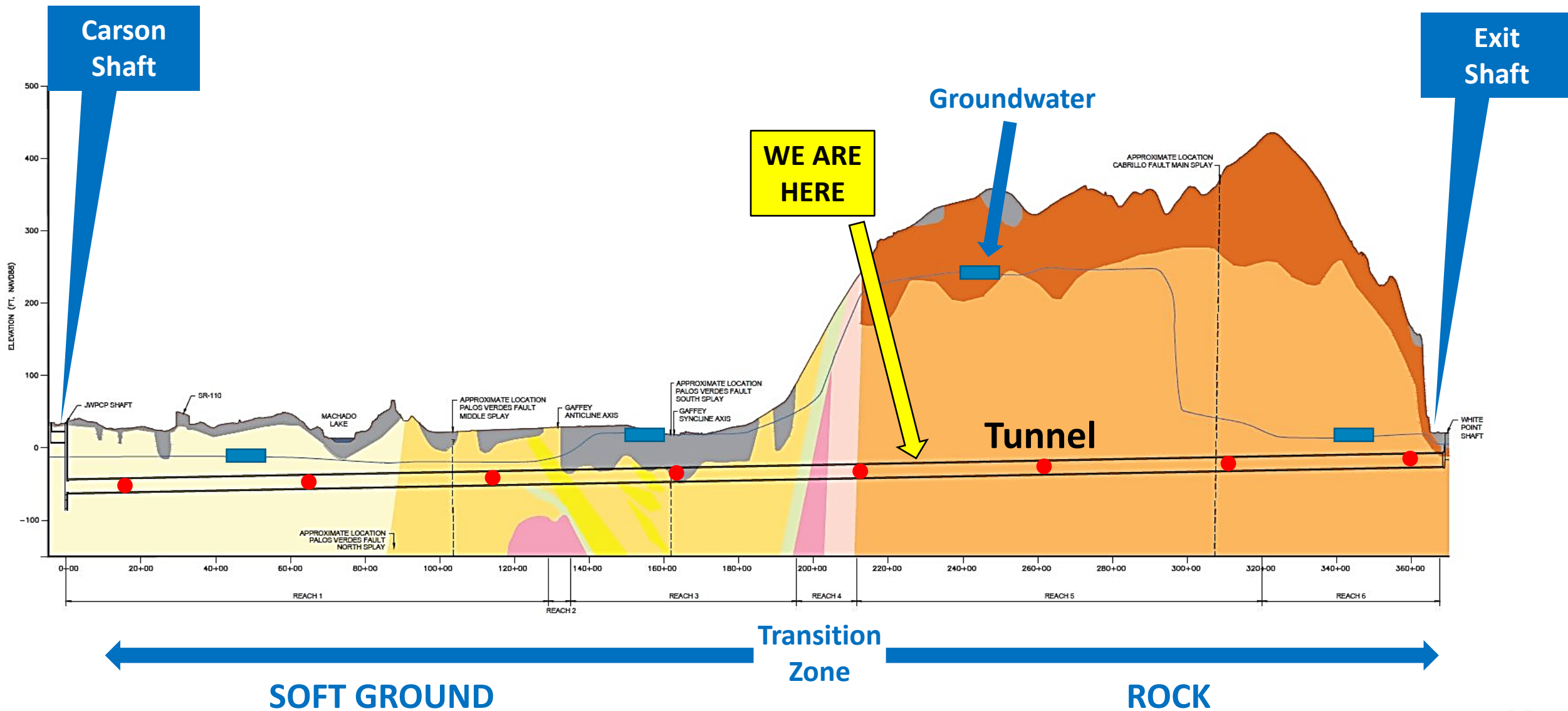
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A.K. Warren Water Resource Facility

Tie-In
Location

SEPS FORCE MAIN

Lomita Blvd

Shaft

NEW TUNNEL

Figueroa St.

Active Security Training

Cornerstone Church

Harbor Freeway and Transit Way

INTERSTATE
CALIFORNIA
110

San Pedro

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