

Seal Beach Pump Station Replacement Project No. 3-67

Presented by:
Kathleen Millea
Director of
Engineering

Operations
Committee

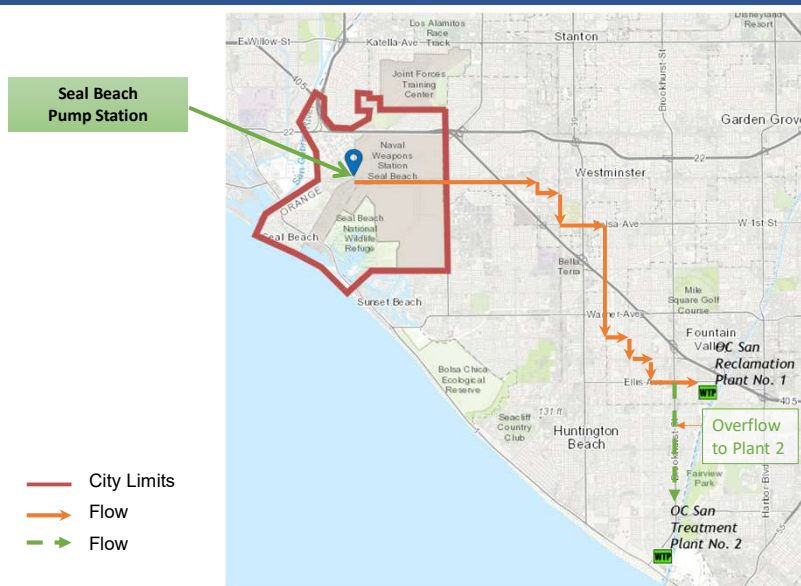
November 2, 2022



OC SAN
ORANGE COUNTY SANITATION DISTRICT

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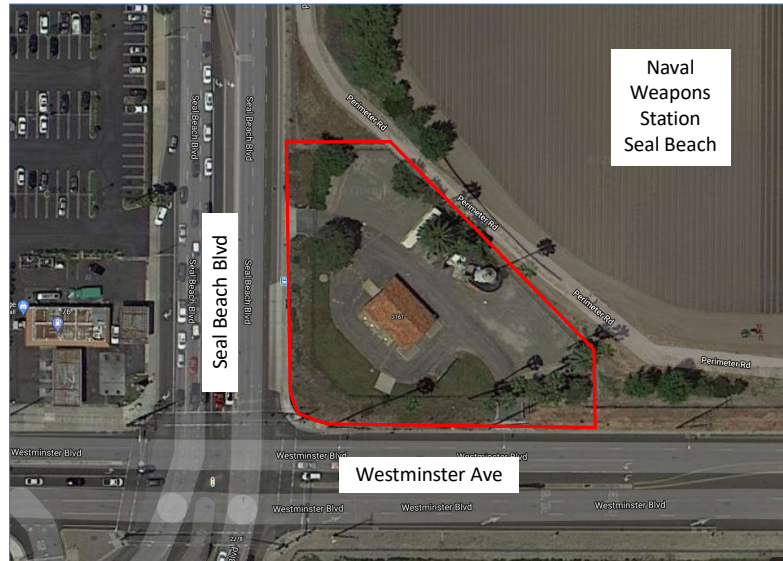
Project Location: City of Seal Beach



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Project Location: City of Seal Beach



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Existing Pump Station



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Reason for Project

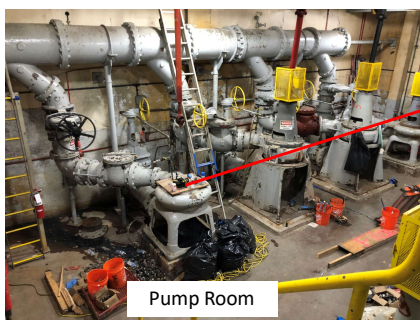
- Constructed in 1970
- Severe corrosion
- Near the end of its useful life
- Poor hydraulic performance
- No upstream odor control
- Does not meet current electrical code



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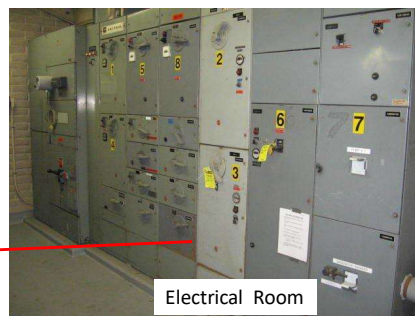
Reason for Project



Pump Room

Urgent Pump
Replacement

Corroded/Outdated
Electrical Cabinets



Electrical Room

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Reason for Project

Coating failure,
corroded concrete
wet well wall

Bearing failure,
sewage leak

Corroded pump
support

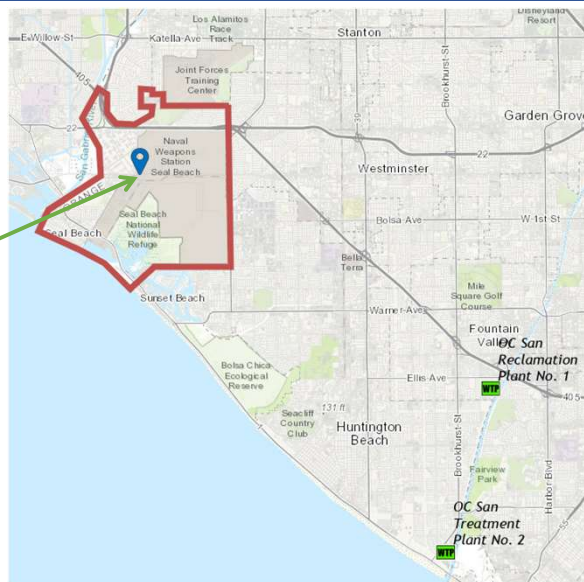


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Additional Design Considerations

Seal Beach
Pump Station



City Limits

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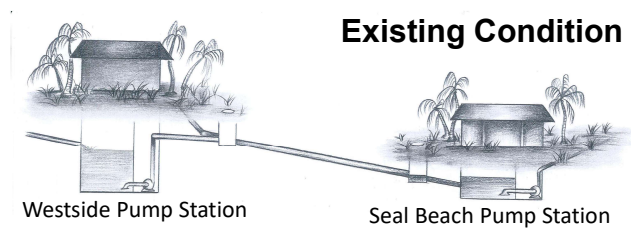
Westside Pump Station



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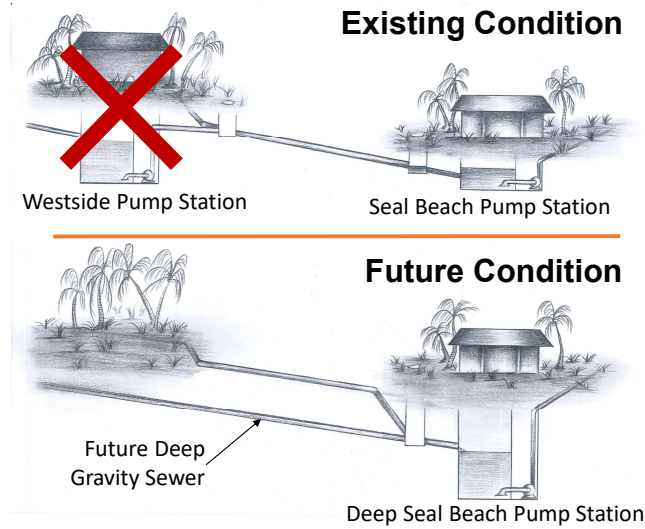
Additional Design Considerations



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Elimination of a Pump Station



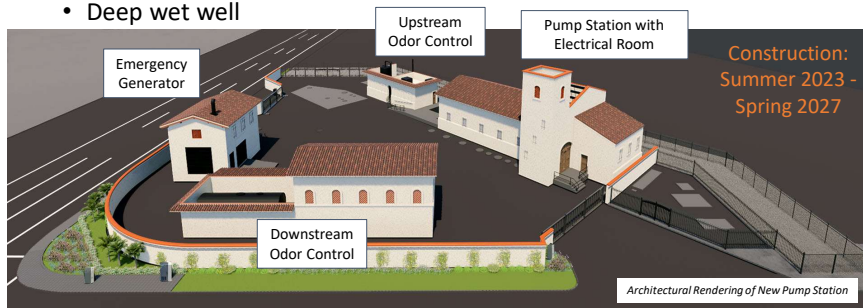
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New Pump Station Design

Replace existing pump station with improved:

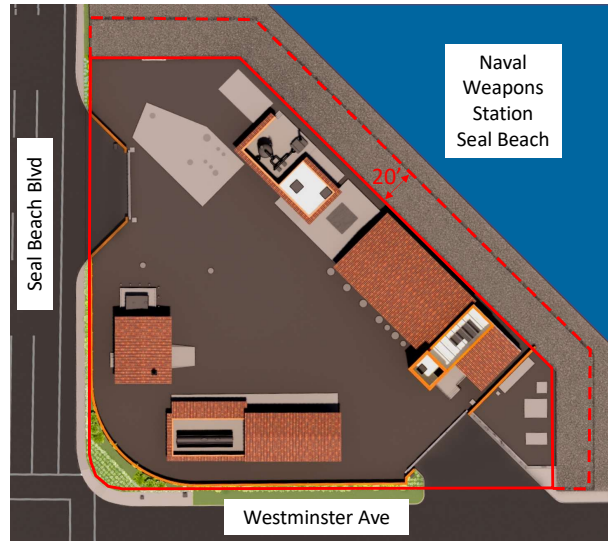
- Reliability
- Odor control
- Site access & security
- Hydraulics
- Aesthetics (Mission style)
- Meet current codes & standards
- Deep wet well



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New Pump Station Layout



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Mission Style Aesthetic



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Architectural Renderings



View from Crossing



View from Westminster Ave



View from Seal Beach Blvd



View from Westminster Ave

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Budget Request

\$16.2M Additional Budget Needed

Construction ~\$16M

Design ~\$155K

(\$3.2M) Available Contingency

\$13.0 M Budget Request

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Recommendation

Recommend to the Board of Directors to:

- A. Approve a project budget increase of \$13,000,000 for Seal Beach Pump Station Replacement, Project No. 3-67, for a new total project budget of \$100,000,000; and
- B. Approve a contingency increase of \$155,183 (2.6%) to the existing Professional Design Services Agreement with Lee & Ro, Inc. for Seal Beach Pump Station Replacement, Project No. 3-67, for a new total contingency amount of \$749,968 (12.6%).

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Questions



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