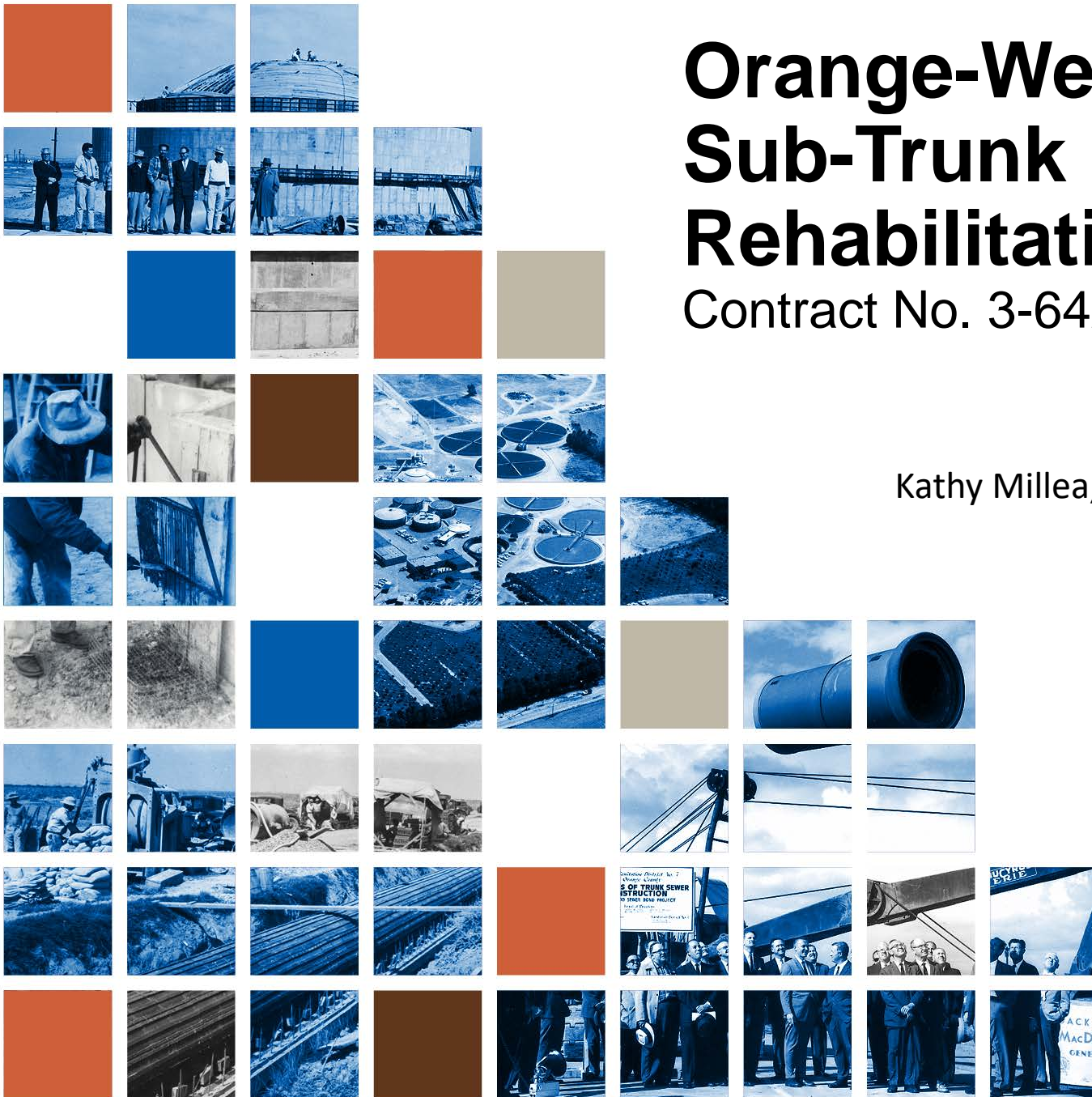


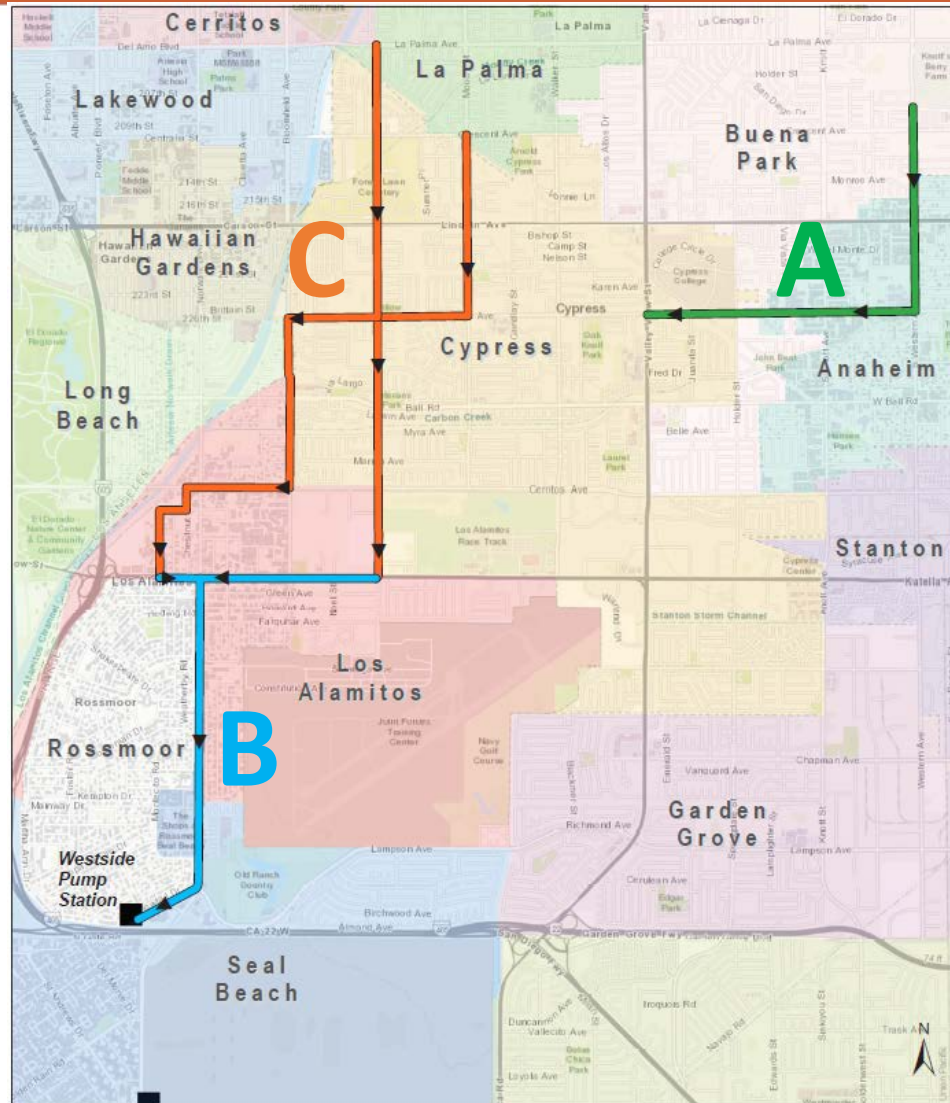
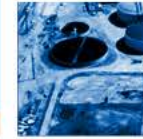
Orange-Western Sub-Trunk Rehabilitation

Contract No. 3-64A

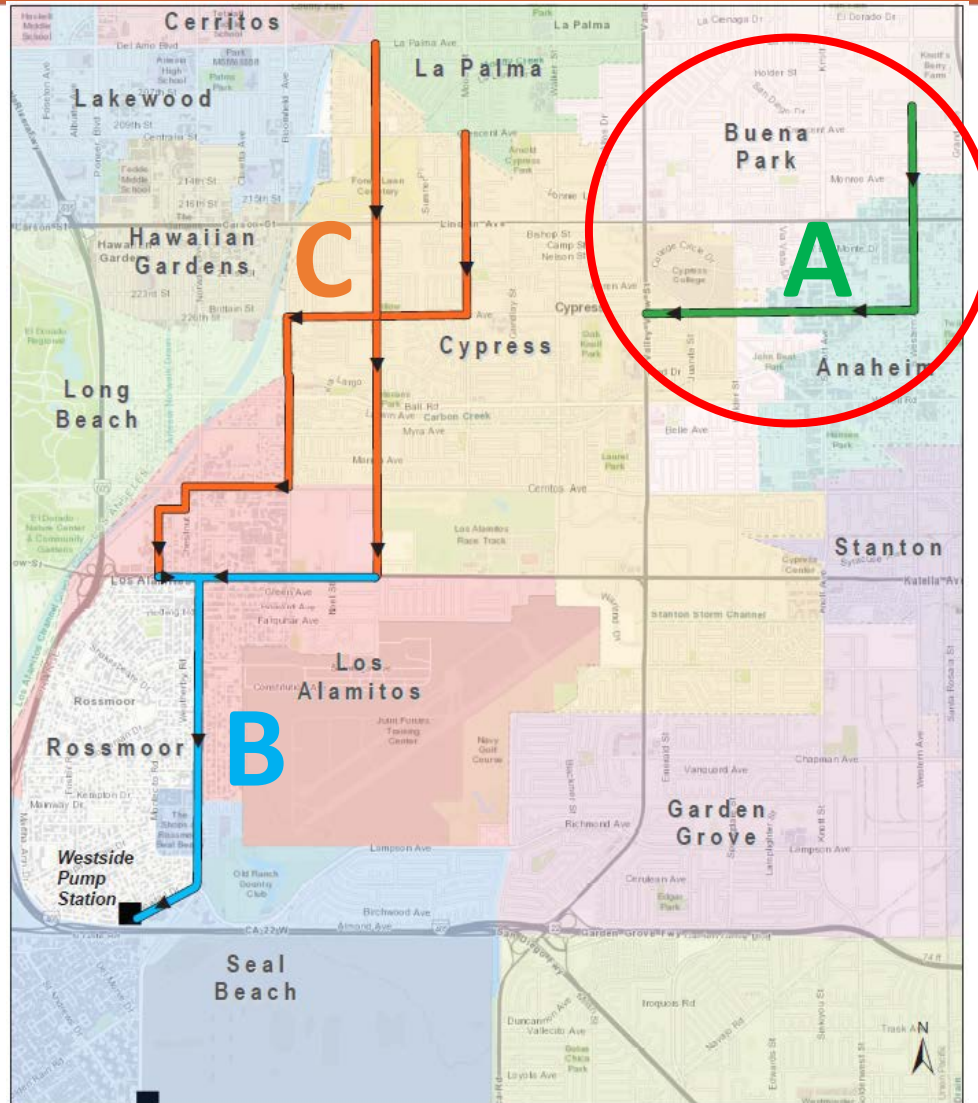
Kathy Millea, Director of Engineering
Operations Committee
November 4, 2020



3-64 Rehabilitation of Western Regional Sewers



3-64A Orange-Western Sub-Trunk Rehabilitation



Pipeline Rehabilitation Specialty Work



Calcium Deposit Removal

- Calcium deposits at pipe joints
- Removal by water jetting
- Work done at night, low flow

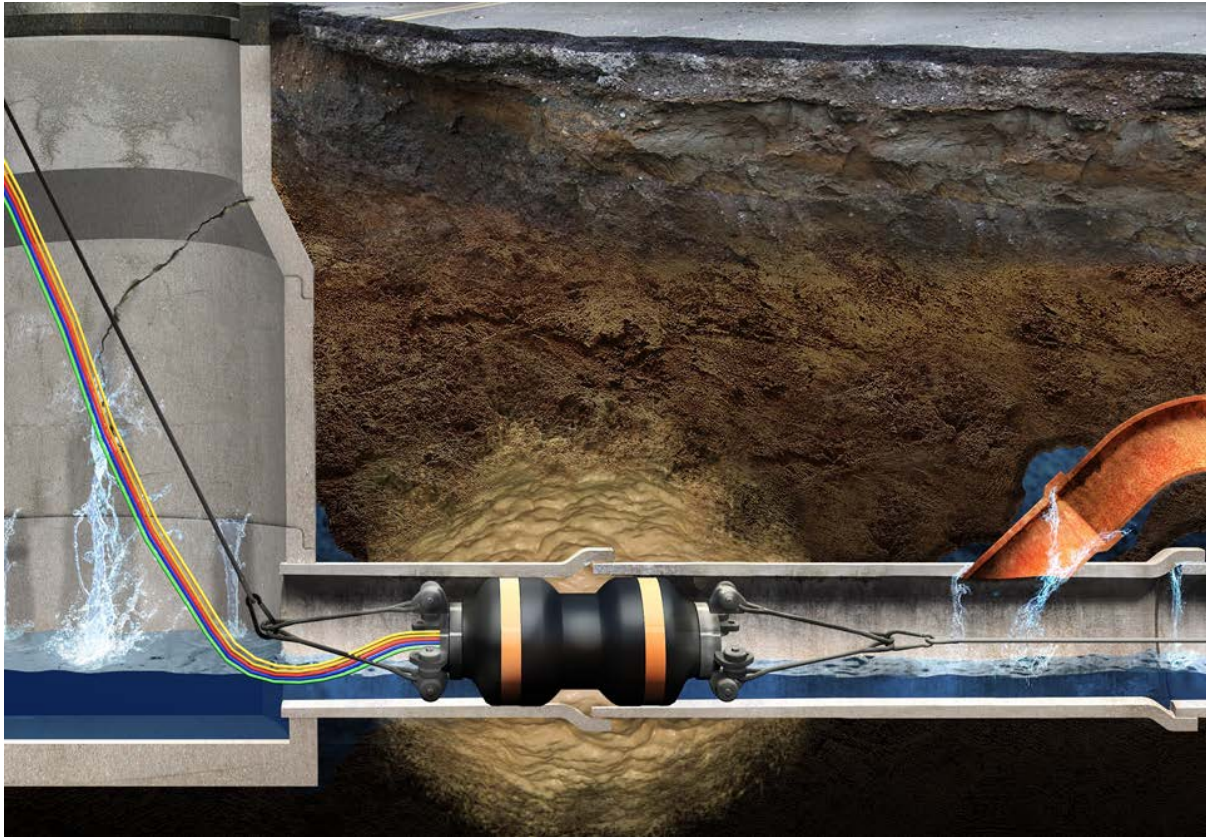


Camera-guided water jetting equipment



Calcium deposit at pipe joint

Joint Repair



Robotic chemical grouting equipment

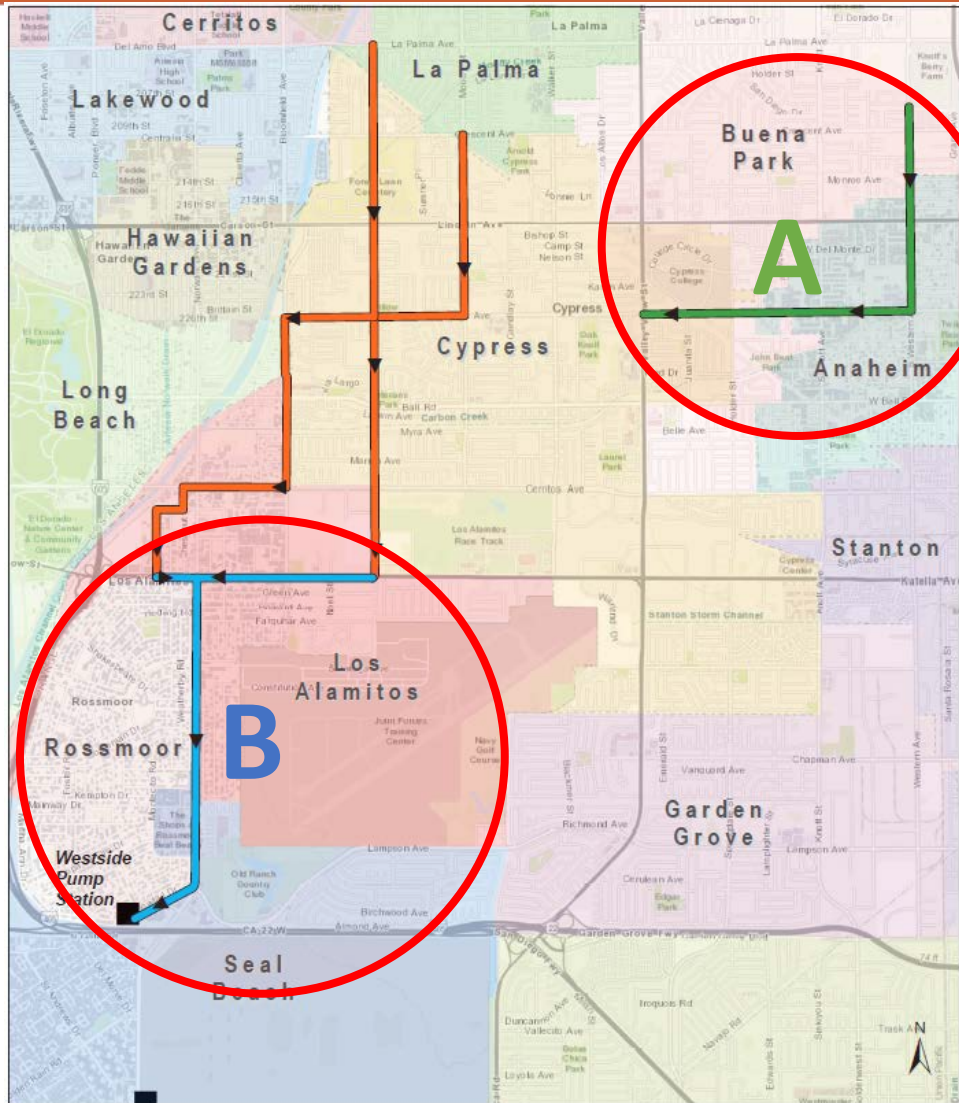
Bid Results



Bidder	Amount of Bid
Engineer's Estimate	\$6,775,000
Teichert Energy & Utilities Group, Inc.	\$ 6,520,000
Kiewit Infrastructure West Co.	\$ 10,912,500

Non-Responsive

Combine 3-64A & 3-64B



Construction Start
3-64A & 3-64B – May 2021

Recommendation



- Receive and file Bid Tabulation and Recommendation for Orange-Western Sub-Trunk Rehabilitation, Contract No. 3-64A; and
- Reject all bids and direct staff to combine the work for Orange-Western Sub-Trunk Rehabilitation, Contract No. 3-64A, into a single bid package with Los Alamitos Trunk Sewer Rehabilitation, Contract No. 3-64B.



Questions?



Warehouse, Electrical Substation and 12kV Service Center Replacement at Plant No. 2

Project No. P2-126

Kathy Millea, Director of Engineering
Operations Committee
November 4, 2020



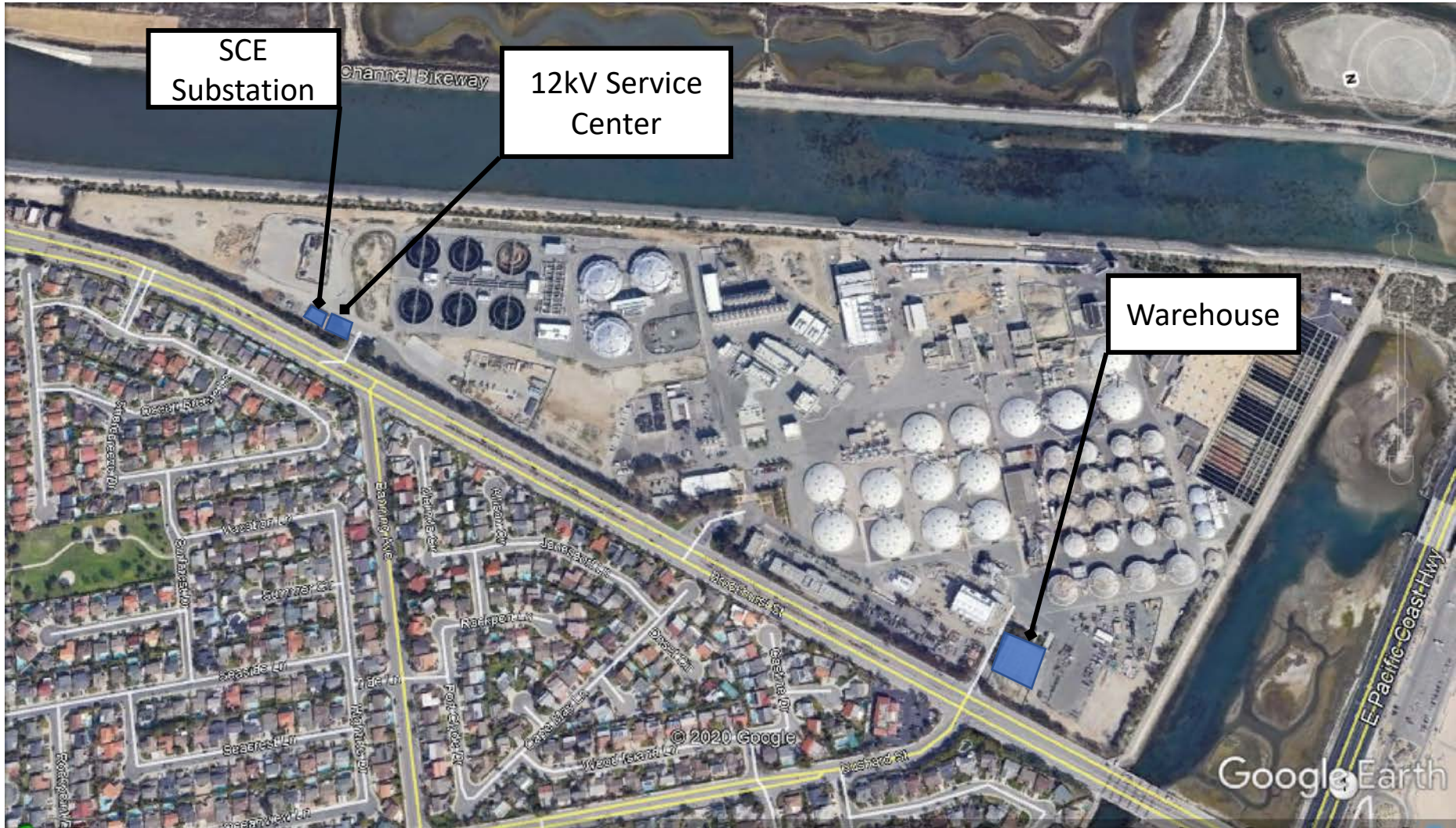
Facilities to be Replaced at Plant No. 2



SCE
Substation

12kV Service
Center

Warehouse



Existing Warehouse



Existing Warehouse




Future
TPAD Digester
Facility



Warehouse

Existing 12kV Service Center




**SEISMIC EVALUATION OF STRUCTURES
AT PLANTS 1 AND 2**
Project No. P515-06



Prepared by:  In Association with: 

July 2015



Existing SCE Substation



SCE
Substation



DRAFT

METHOD OF SERVICE STUDY REPORT

Orange County Sanitation District
Orcogen Substation

Month XX, 2010



This study has been completed by Southern California Edison pursuant to the request of OCSD, Inc.

The Electrical Safety and Health Division, Critical Energy Infrastructure Information (CEI), and program information of Southern California Edison (SCE) is the property of SCE. The information contained herein is confidential and proprietary to SCE. All rights are reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of SCE. The information contained herein is confidential and proprietary to SCE. All rights are reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of SCE.

SCE Feed Reliability
Improvements Study

Project Site



Project Site



GWRS
Final Expansion
OCWD

Brown & Caldwell

Task ORDER PROPOSAL | Prepared for
Orange County Sanitation District

**PS18-05 Plant No. 2
Future Site Plan
Development**

March 27, 2019 | PLAN2017-00 On-Call Planning Studies (Wastewater)



Future Site Layout Rendering



Replacement Warehouse

Replacement SCE Substation

Replacement Service Center

Construction Cost and Duration



	Construction Cost	Start Year	Duration (in Years)
Warehouse	\$8.2M	2023	1.5
12 kV Service Center	\$14.8M	2024	3.5
SCE Substation	\$19.5M*	2024	3

* Work by SCE. Cost includes design and construction.

Selection Process



- Three proposals received
- Interviewed the top proposer
- Stantec Consulting Services selected
 - Clear understanding of the project
 - Approach to schedule risks
 - Creative approach to site layout
 - Experienced project team

Negotiations



	Original Proposal	Negotiated
Total Hours	28,048	27,399
Total Fee	\$4,979,355	\$4,876,455

- Five meetings held with Consultant
- Clarified project elements and design assumptions
- Ensured scope and level of effort are appropriate

Recommendation



- Approve a Professional Design Services Agreement with Stantec Consulting Services, Inc. to provide engineering services for Warehouse, Electrical Substation and 12kV Service Center Replacement at Plant No. 2, Project No. P2-126, for an amount not to exceed \$4,876,455; and
- Approve a contingency of \$487,646 (10%).

