



Long Beach Water  
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# 2021 Sewer Master Plan Update (SC-0376)

Meeting of the Board of Water Commissioners

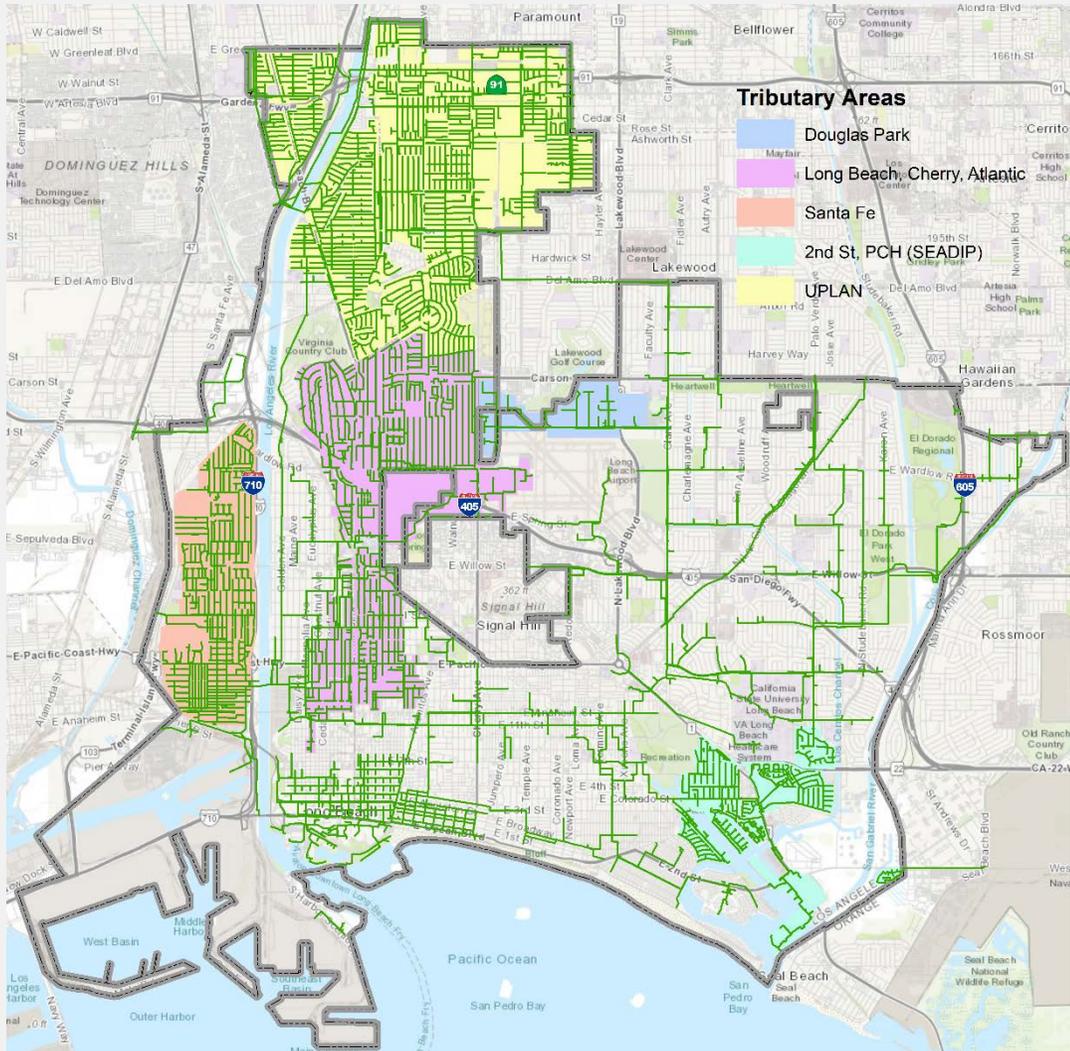
April 28, 2021

# Project Background and Purpose

- Purpose of 2021 Sewer Master Plan:
  - Assessment of existing sewer system
  - Develop framework for future action (maintenance, operation, upgrades, etc.)
- Execution of project:
  - Update model demands, diurnal patterns, load factors
  - Flow monitor at various locations for calibration
  - Conduct condition assessment of lift stations
- Goal is to develop a 10-year Capital Improvement Program (CIP) for Pipeline and Sewer Lift Station Improvements



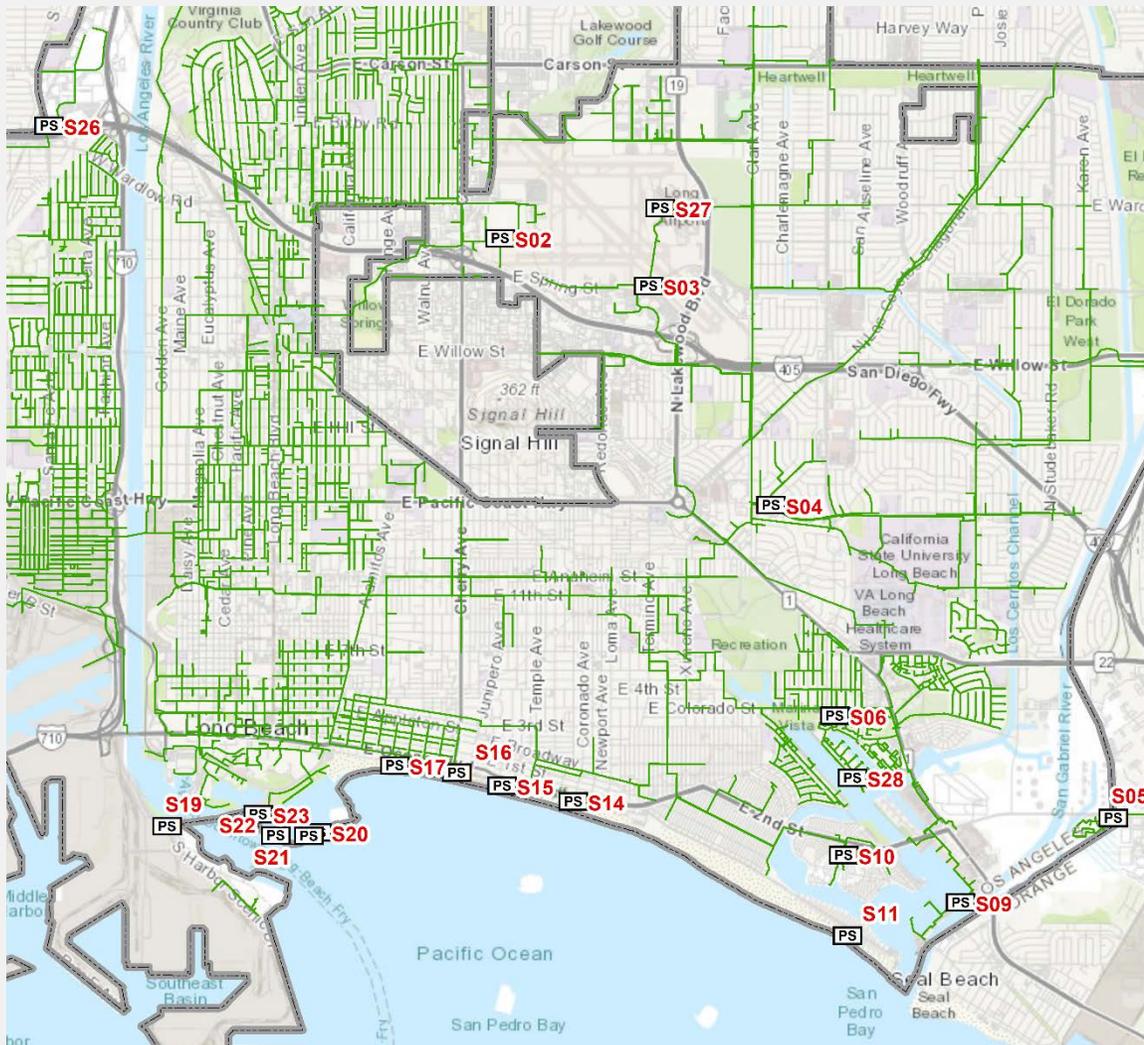
# Expanded Sewer System Model



- Adding sewer mains in areas of expected development
  - 5 tributary areas identified from City's Planning group
- Current system models 27% of City mainlines
- Expanded system will model 56% of City mainlines
  - All mains 10" and above
  - Select 8" mains



# Lift Station Assessments



- LBWD owned and/or operated/maintained sewer lift stations
- Testing and analysis for:
  - Pump capacity, building structure/foundation, wet well condition, etc.



# Proposal Evaluation & Consultant Selection

- Two (2) firms submitted a proposal
- Factors considered:
  - Project understanding
  - Staff experience and availability
  - Specific methods/techniques proposed
  - Reasonableness of fees



# Staff Recommendation

- Authorize the General Manager to execute an Agreement with GHD, Inc., to provide Engineering Services for the 2021 Sewer Master Plan Update Project (SC-0376), in the amount not-to-exceed \$863,729.





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# Questions?

*Thank you!*