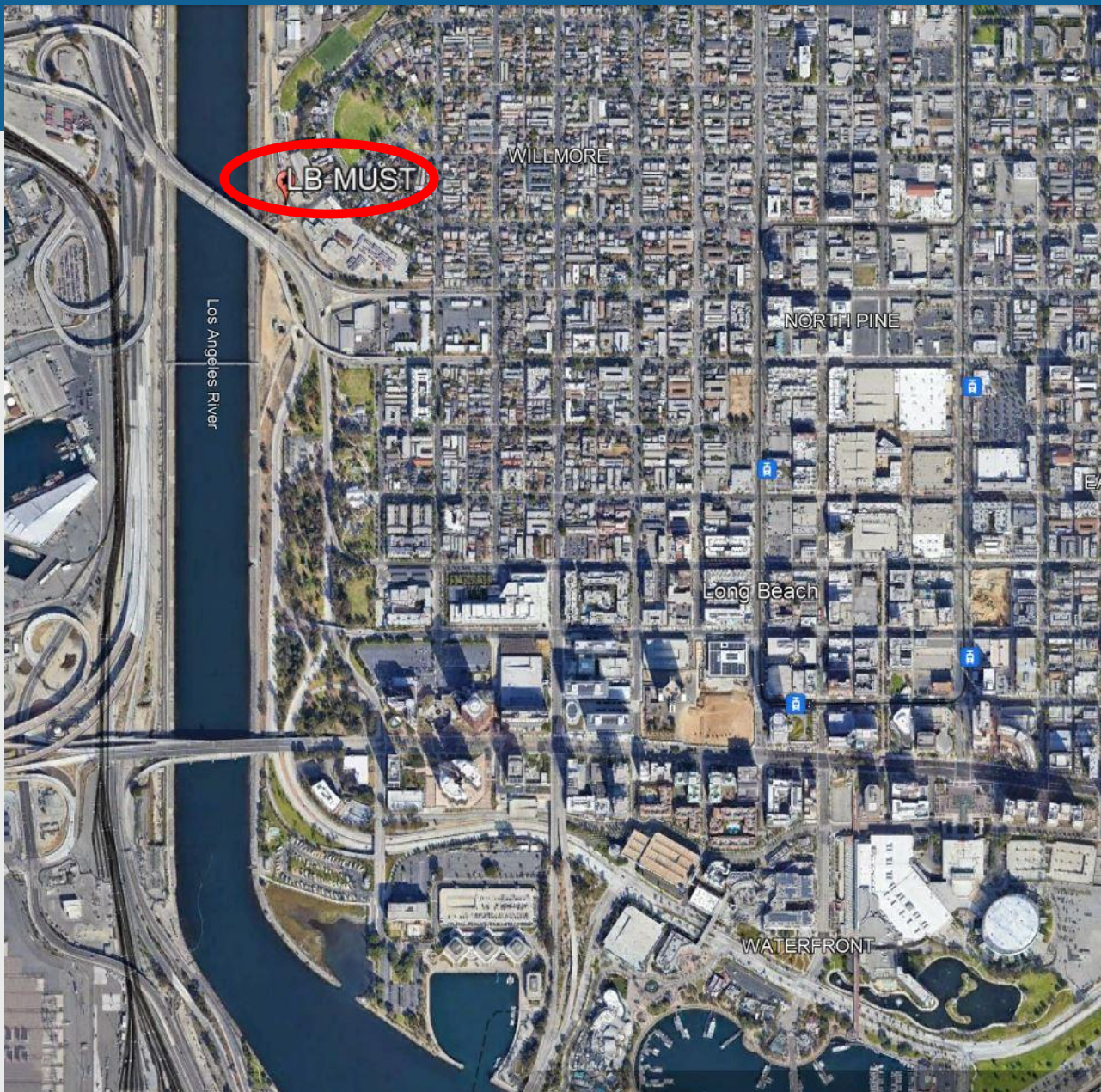




# LONG BEACH MUNICIPAL URBAN STORMWATER TREATMENT PROJECT (LB-MUST)

City Council Meeting - July 5, 2022





**Treatment  
Facility**

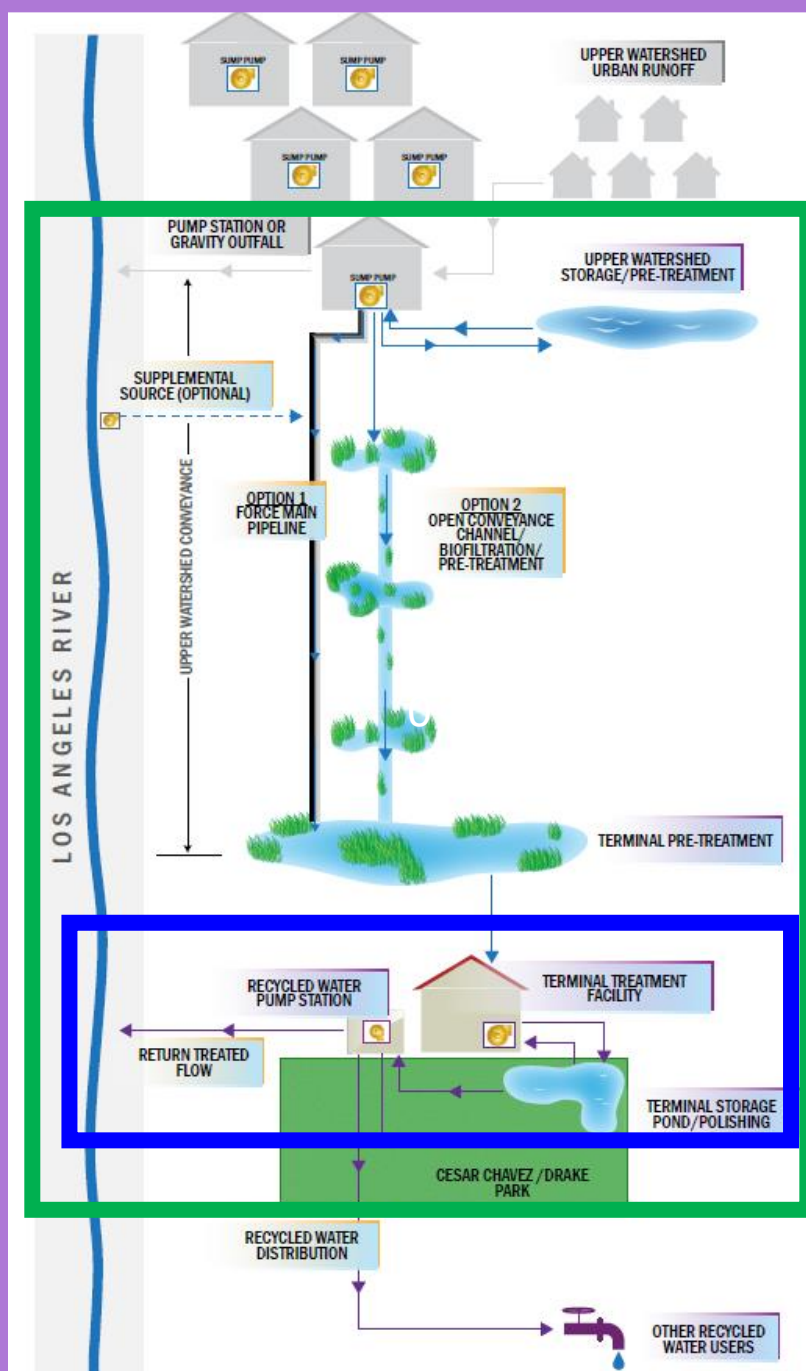
**SD-02  
Conveyance**

**Wetlands  
Water Reuse**

**Outflow to  
LA River Via  
SD-01**

**Phase 1 Conceptual Depiction – Not to Scale**

# Program Phases



## Phase 1: Initial Operations – *Construction In Progress*

- Construct 2 MGD Treatment Facility
- SD-02 Pump Station Connection
- Brackish Wetlands

## Phase 2: 2 MGD Operations – *Design*

- Expand Pump Station Connections
- Pilot irrigation & Reuse at Facility/Wetlands

## Phase 3+: 4 MGD Expansion – *Concept Design*

- Drake/Chavez – Irrigation & Reuse, additional Wetlands
- Expand Facility
- Expand Conveyance network

LA-01, SD-01  
Conveyance

LA-02, LA-03, LA-F14,  
SD-06 Conveyance

SD-02  
Conveyance

Treatment  
Facility

Outflow to  
LA River Via  
SD-01

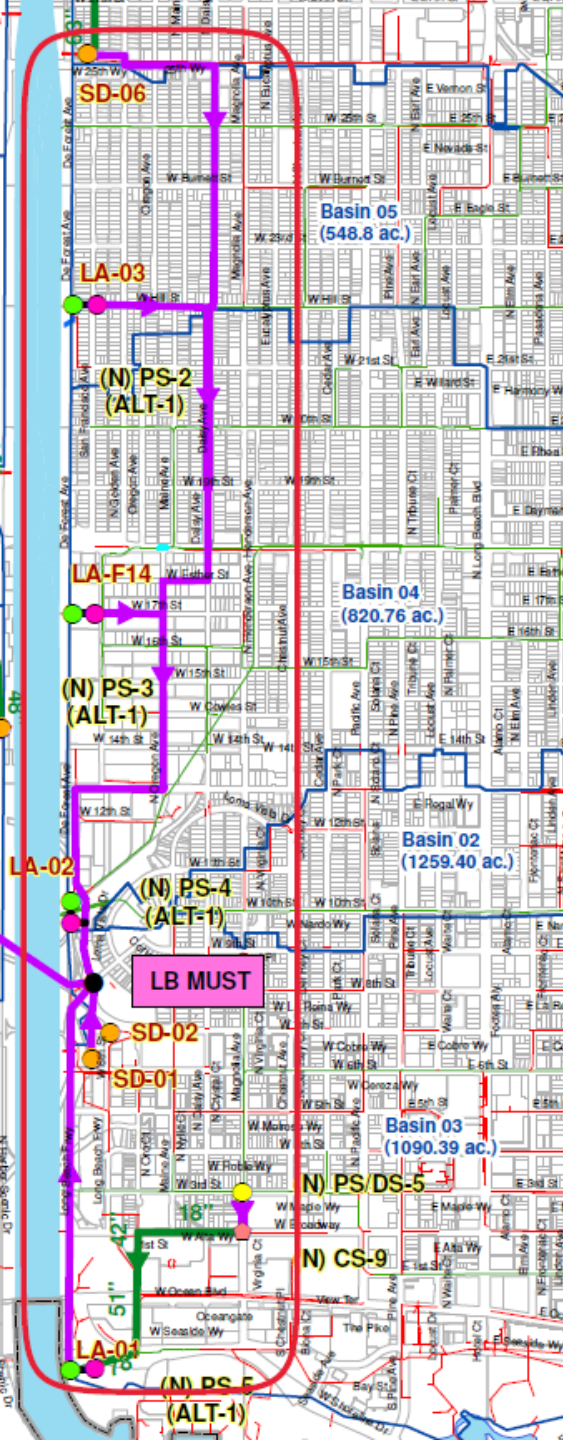
Irrigation  
Reuse

Wetlands  
Water Reuse

Phase 2 Conceptual Depiction – Not to Scale



# Phase 2 Project Costs



- Minimum Scope Estimate \$8M
  - \$4M in Grant Funding Secured
  - \$4M in Matching Funds Identified
  - Additional Grant Opportunities
- Minimum scope
  - Complete design for all Phase 2 pump station connections
  - Connect to select pump stations
  - Pilot reuse
- Goal: Secure additional funding and connect to all Phase 2 pump stations

# Project Timeline Updates

## **2020**

- Completed: Street, Utility, & Ground Improvements

## **2021-2023**

- In Construction: Facility & Wetlands

## **2022-2024**

- Phase 2 Design

## **2024-2026**

- Phase 2 Construction

# Facility Construction Progress Photos

## Sitework, Utilities, Slab Rebar & Forming





# Wetlands Construction Progress Photos

Warehouse cleanup, abatement, and demolition





LA River Path

Drake Park



Future Connections to Chavez Park

Willmore Neighborhood





**Thank you**

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