# Klingerman Park Multi-Benefit Stormwater Capture Project

Technical Resources Program

Fiscal Year 2025-2026

Rio Hondo WASC

City of Rosemead

Sam Gutierrez,  Director of Public Works

Larry Tortuya and Gerald Greene, CWE

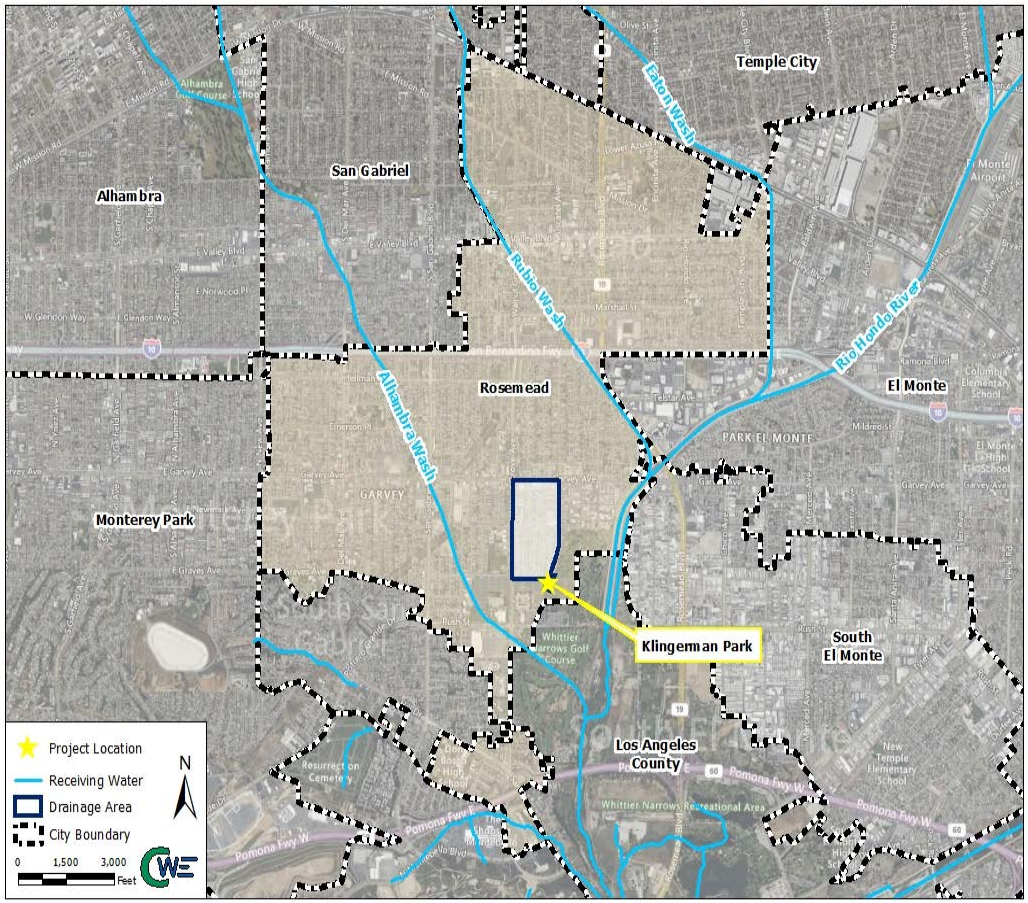
Previously Awarded TRP – No

# Project Overview

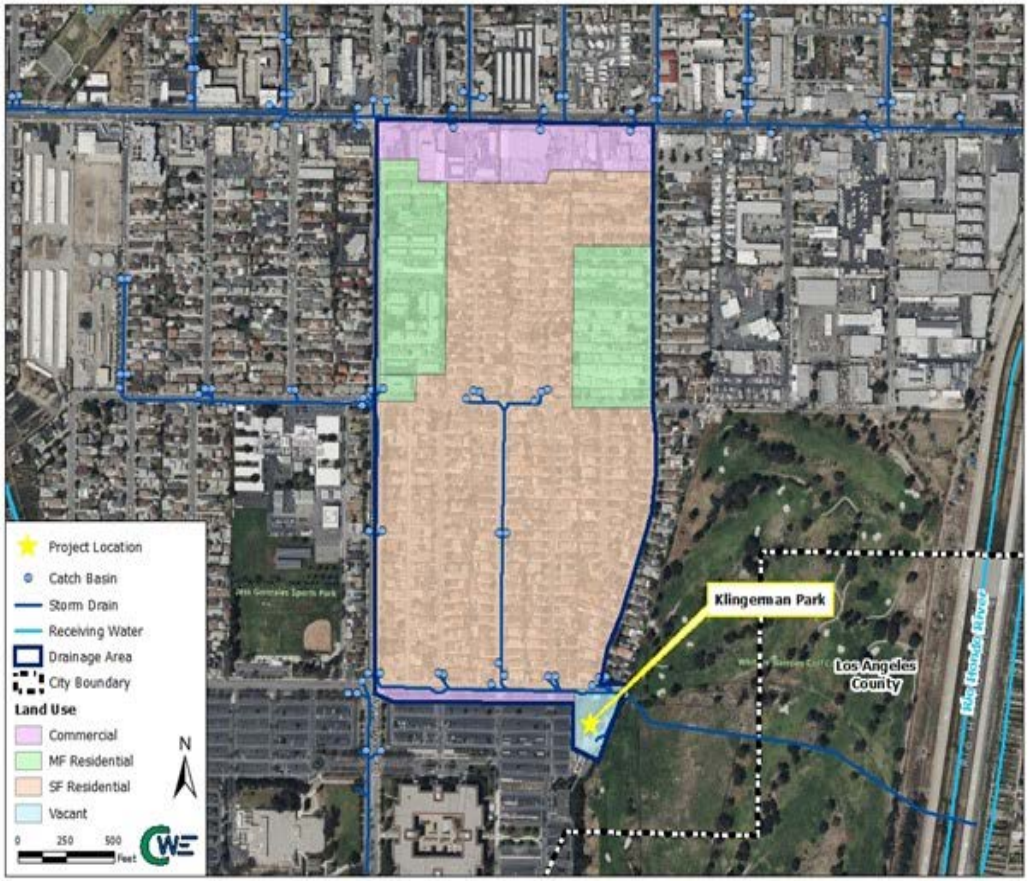
Conduct a feasibility study of the Klingerman Park Project to assess urban runoff capture and contribute to meeting Rio Hondo and Los Angeles River water quality objectives

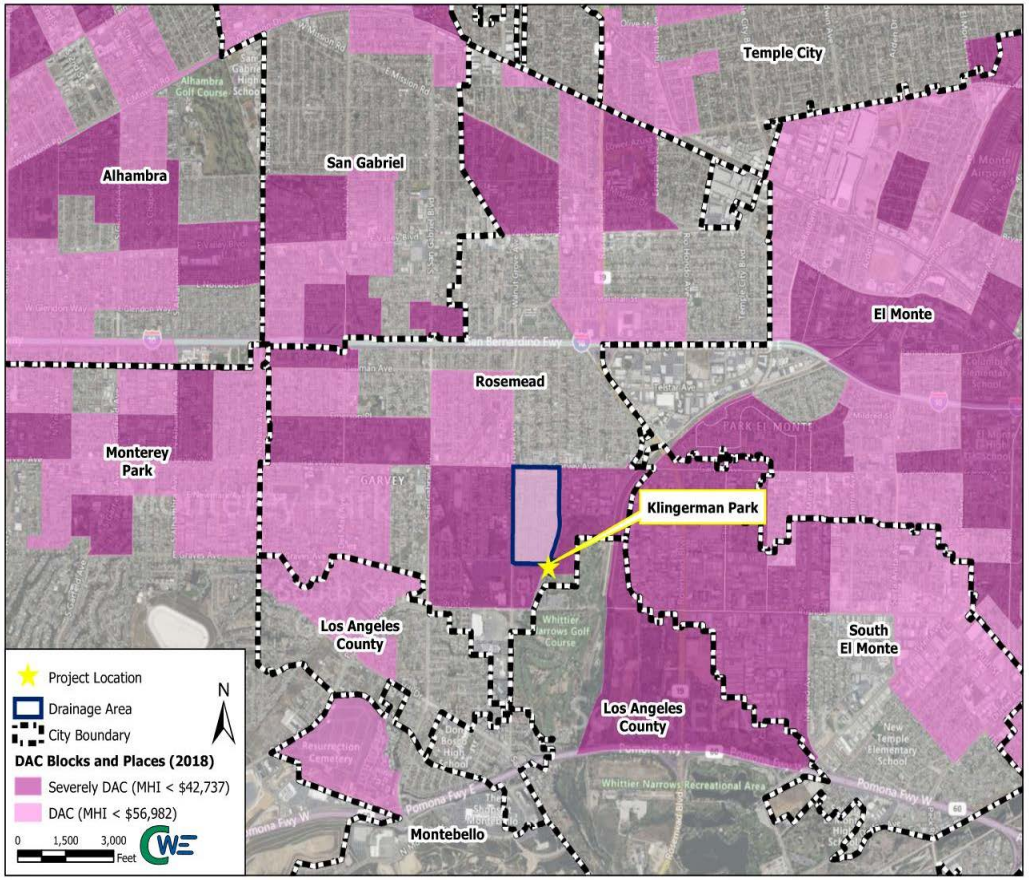
- Primary Objective: Capture, pretreat, and infiltrate dry- and wet-weather urban runoff so that remaining Rio Hondo receiving waters support attainment of LARWQCB Basin Plan beneficial uses and Los Angeles River Watershed TMDLs
- Secondary Objectives: Increase recharge to augment Main San Gabriel Valley Basin groundwater supplies and provide additional public education, nature-based water quality solution, green operation and maintenance positions
- Project Status: Planning
- Total Funding Requested: $400,000

# Klingerman Catchment and Park Location




# Klingerman Catchment DAC and Land Use Characteristics



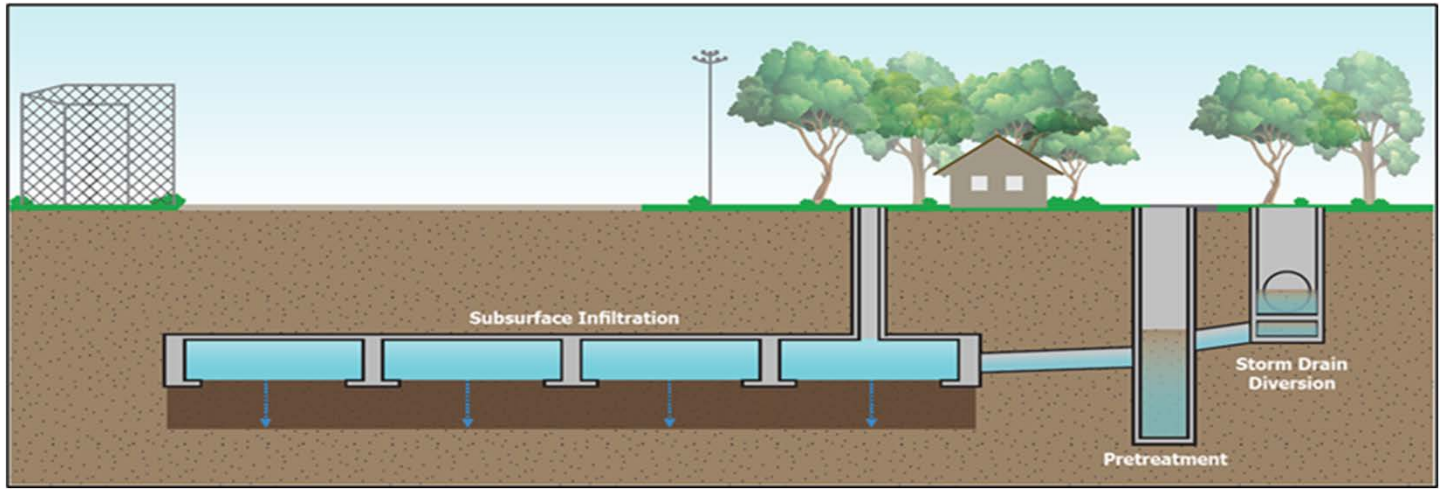
# Klingerman Park Cistern Project Background

- Why was the Project Location selected?
  - Included in the City's Inventory of Initial Regional BMP Development Opportunities Study, and the park is owned and maintained by the City.
  - Pollutant load reduction to the Rio Hondo and Los Angeles River.
- Which regional water management plan includes the proposed project?
  - ULAR Enhanced Watershed Management Plan identifies the need for nearly 49 acre-feet of runoff capture, within the City, to support watershed metals and bacteria TMDLs.
- How was the Project developed?
  - The ULAR WMP identifies city-owned parks and public right-of-way as optimal locations for stormwater improvement projects.
  - City staff selected the project based on its potential water quality benefits, while being implementable using the limited available City staffing resources

# Partners

- Who are the implementation partners already identified?
  - The City of Rosemead.
- What communities or groups have expressed support for the project?
  - Community outreach and engagement was initiated as part of the City's Parks Master Plan project
- Have you received a letter of concurrence from the municipality (if needed)
- Have you received a Flood Control District letter of concurrence (if needed)
  - Will be acquired during the Feasibility Study development.
- Have you engaged the San Gabriel Valley Mosquito & Vector Control District?
  - City has engaged with SGVMVCD on previous projects and will engage on this project when needed.


# Project Details




- The Klingerman Park Multi-Benefit Stormwater Capture Project includes a regional stormwater infiltration facility with storage and infiltration beneath the park.
- Runoff is expected to be diverted from an existing Los Angeles County Flood Control District-owned storm drain on Klingerman Street to a subsurface infiltration structure.
- Diverted urban runoff would be routed into a pretreatment system and the infiltration structure. Diverted urban runoff will be stored beneath the existing field at the park within the infiltration structure and will infiltrate into the native soil.
- Opportunities to incorporate nature-based solutions, such as biofiltration/bioretention, at the site will be evaluated during the Feasibility Study.
- Surface improvements will be coordinated with the City's Parks and Recreation Department and input will be collected from the community during the Feasibility Study phase. Surface improvements include removal and replacement of Klingerman Park's field.

# Project Details

- A Concepts Alternative Analysis will identify viable solutions and evaluate them based on a matrix of priorities such as cost effectiveness, water quality compliance, constructability, and ease of maintenance.
- By capturing, retaining, and infiltrating wet and dry-weather urban runoff, the Project system will eliminate a significant bacteria source discharge load.
- Klingerman Park is an ideal project location due to its proximity to the Los Angeles Flood Control District (LACFCD)-owned storm drain and significant tributary area.
- The Project's proximity to the golf course will allow potential re-use for irrigation.
- Geotechnical exploration is included in this phase of the Project.

# Cost & Schedule

| Phase | Description | Cost | Completion Date |
|---|---|---|---|
| **Planning** | Conduct a feasibility study for the multi-benefit Project at Klingerman Park to assist meeting TMDL targets. | $400,000 | June 2027 |
| **Planning** | Environmental Documentation/Permitting | *$250,000 | 2028 |
| **Design** | Engineering Design | *$500,000 | 2029 |
| **Bid/Award** | Construction Administration | *$750,000 | 2030 |
| **Construction** | Construction | *$5,000,000 | 2031-2035 |
| **TOTAL** | | ***$6,900,000** | |

- Operation and Maintenance (O&M), Monitoring, Life Cycle, and Annualized Costs for the project will be determined during the Feasibility Study.
- Life cycle is expected to be 50-years.
- *Costs in the table above are based on preliminary estimates and will be updated as part of the Feasibility Study.

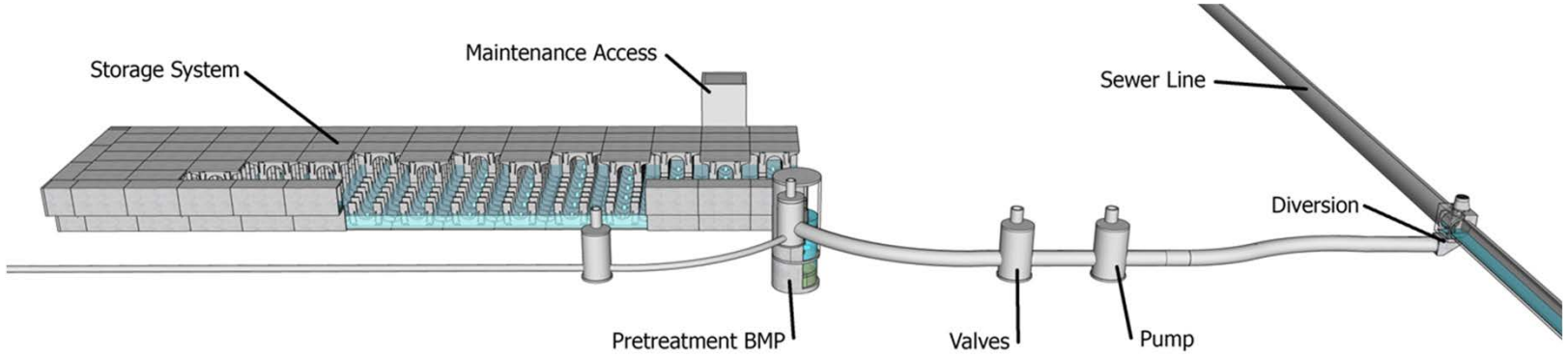
# Funding Request

| Year | SCW Funding Requested | Phase | Efforts during Phase and Year |
|---|---|---|---|
| 1 | $400,000 | Planning | FY25-26 TRP, feasibility study, funding pursuit |
| 2 | *$750,000 | Planning and Design | Environmental Documentation/Permitting and Engineering Design |
| 3 | *$750,000 | Bid/Award | Construction Administration |
| 4 | *$5,000,000 | Construction | Construction |
| 5 | TBD | O&M/Monitoring | Perform maintenance and monitor effectiveness |
| **TOTAL** | ***$6,900,000** | | |

- Leveraged Funding TBD following TRP.
- Future SCW funding requests are anticipated pending findings of TRP.
- *Costs in the table above are based on preliminary estimates and will be updated as part of the Feasibility Study.

# Water Quality & Water Supply Benefits

- Intercept, treat, and infiltrate dry- and wet-weather flows.
- Tributary area is approximately 88 acres of mostly residential area.
- Volume capacity for the system is expected to be approximately 3 ac-ft (will be confirmed during the Feasibility Study).
- Pollutant Reduction targets dry- and wet-weather bacteria and metals.
- Annual Water Supply Volume (ULAR capture volume is 48.5 AF)
- Cost effectiveness will be determined during the Feasibility Study.

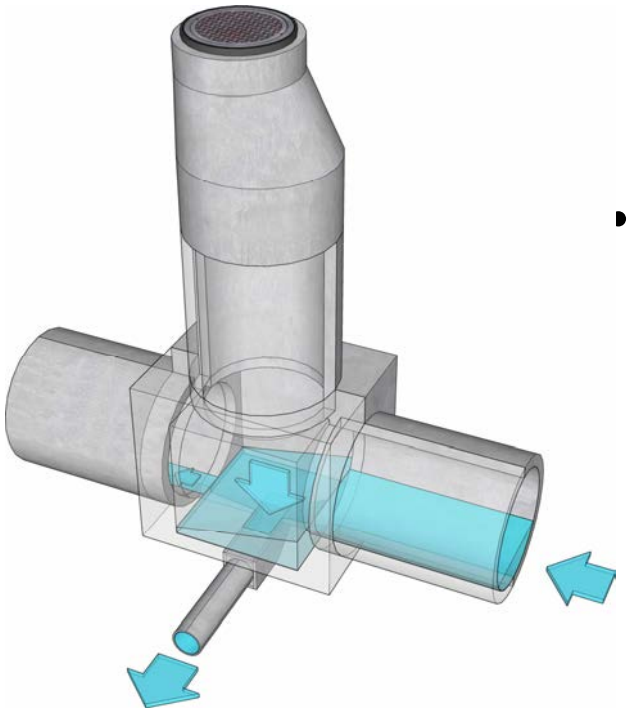


# Community Investment Benefits and Nature Based Solutions

- Community Investment Benefits
  - Enhances and restores park space and habitat.
  - Enhances recreational activities with new facilities.
  - Reduces heat local island effect and increases shade.
  - Increase the number of trees, shade, and other vegetation at the site.

- Nature Based Solutions
  - Mimics natural processes by allowing runoff infiltration into the lower Main San Gabriel Groundwater Basin.
  - Utilizes natural materials such as soil and native vegetation to enhance recreational areas.
  - Alternative use for wet-weather golf course irrigation
  - Eliminating dry-weather runoff is most effective control

# Leveraging Funds and Community Support



- Leveraging Funds
  - No leveraged funding included.
  - Leveraged funding for design and construction will be determined following the Feasibility Study.
- Community Support
  - Community outreach and engagement is planned for future phases of the Project.
  - Community organizations, residents, and local businesses will be reached out to for inclusion in the planned outreach process.
  - The City will work with local community-based organizations and community groups throughout the design and implementation phase to receive local feedback and incorporate feedback in the design.
  - Outreach and engagement activities will start during the Feasibility Study phase.


Questions?
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