Edward Vincent Jr. Park
Stormwater Improvements Project

Infrastructure Program
Fiscal Year 2022-2023
Central Santa Monica Bay Watershed Area
Project Lead: City of Inglewood
Presenter: Brenda Ponton, Woodard & Curran
Project Overview

Multi-benefit stormwater improvements project at Edward Vincent Jr. Park in City of Inglewood using infiltration and bioretention best management practices.

• Primary Objective: Improve water quality
• Secondary Objectives: Provide community investments through enhancing park amenities and providing educational opportunities
• Project Status: Planning complete; Requesting Design Phase funding
• Total Funding Requested: $4,270,000
Project Background

- Project included as signature regional project in Ballona Creek Enhanced Watershed Management Program (EWMP)
- Captures 85th percentile, 24-hr storm volume for the 895-acre drainage area
- Water quality benefits:
  - Reduces metals, bacteria, and trash in the Centinela Creek and Ballona Creek Estuary
- Community benefits:
  - Vegetation and shade trees
  - Reintroduction of historical creek feature
  - Enhanced recreational opportunities (e.g., new trails, new field)
  - Public safety through addressing daylighted portion of the storm drain
  - Educational opportunities for local schools and park visitors
- Park improvements will directly benefit the local disadvantaged community
Project Details

• Concept includes:
  • 3 diversions
  • Infiltration gallery
  • Small lift station
  • Dry creek channel
  • Bioretention area with trash capture and sediment forebay

• Geotechnical investigations completed during the Feasibility Study
• Additional surface improvements:
  • New field
  • Native vegetation
  • Shade trees
  • New trails
  • Boardwalk
  • Seating areas
  • Educational signage
## Cost & Schedule

<table>
<thead>
<tr>
<th>Phase</th>
<th>Description</th>
<th>Cost</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Agency Project Management, CEQA Documentation, Permitting, Design (30/60/90/100), Pre-Construction Monitoring, Outreach During Design</td>
<td>$4,270,000</td>
<td>06/2025</td>
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<tr>
<td>Construction</td>
<td>Project Management, Construction Management, Engineering Services during Construction, Outreach, Project Construction</td>
<td>$42,424,000</td>
<td>03/2028</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>$46,694,000</strong></td>
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</table>

- Annual O&M: $819,920
- Post-Construction Monitoring (3 years): $329,700
- Project Lifespan: 50 years
- Lifecycle Cost: $66.5M
Funding Request

<table>
<thead>
<tr>
<th>Year</th>
<th>SCW Funding Requested</th>
<th>Phase</th>
<th>Efforts during Phase and Year</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>$1,035,000</td>
<td>Design</td>
<td>Pre-Construction Monitoring, Outreach During Design, Preliminary (30%) Design, Agency Project Mgmt.</td>
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<td>Design</td>
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<td>Design</td>
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<td>TOTAL</td>
<td>$4,270,000</td>
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</tbody>
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• Future Safe, Clean Water Program funding request anticipated for Construction Phase
Preliminary Score

- Water Quality: 44 pts
- Water Supply: 0 pts
- Community Investment Benefits: 10 pts
- Nature Based Solutions: 10 pts
- Leveraged Funds and Community Support: 4 pts

Total: 68 pts
Water Quality & Water Supply Benefits

- Primary Mechanisms: Infiltration and bioretention
- Wet Weather
- Tributary Area: 895 acres
- 24-hr Capacity: 34.3 acre-feet
- Water Quality Cost Effectiveness: 0.81
- Long-Term Pollutant Reduction:
  - 86.2% load reduction in Zinc (197 lbs)
  - 84.5% load reduction in *E. coli* (1.99e+14)
- Annual Water Supply Volume: N/A
Community Investment Benefits and Nature Based Solutions

**Community Investment Benefits**
- Improves flood management
- Enhances parks and creates habitat
- Improves public access to waterways
- Enhances and creates new recreational opportunities
- Reduces heat island effect/increases shade
- Increases trees and native vegetation

**Nature Based Solutions**
- Mimics natural processes to slow, detain, capture, and infiltrate water in a manner that protects and enhances habitat and usable open space
- Utilizes natural materials including soils and native vegetation
Leveraging Funds and Community Support

- Leveraging Funds
  - No funds leveraged for Design Phase

- Community Support
  - Strong community support demonstrated through support letters
  - Outreach is planned for initial stages of design to engage community on park amenities concepts
  - Outreach and engagement plan includes:
    - Community engagement events
    - Surveys, flyers, and posters
    - Webpage development
    - Social media postings and newsletter updates
Questions?