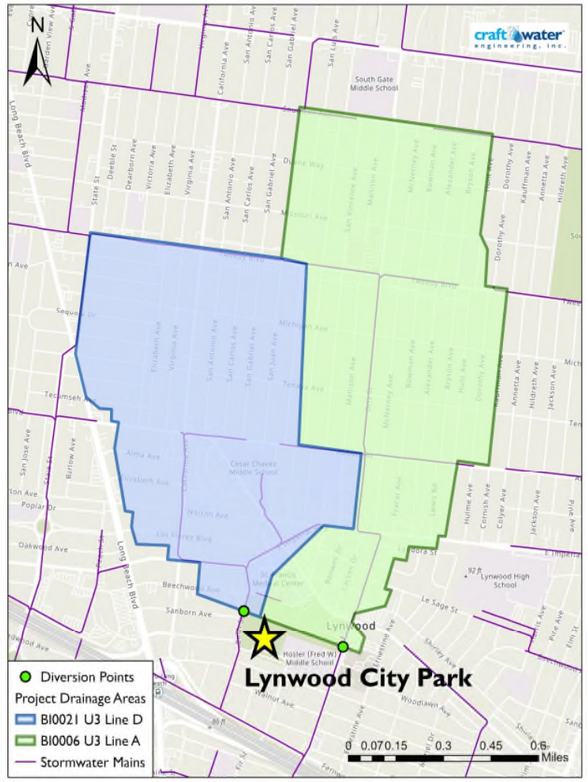
LOWER LOS ANGELES RIVER WATERSHED MANAGEMENT PROGRAM, CITY OF LYNWOOD

LYNWOOD PARK STORMWATER CAPTURE PROJECT

PROJECT FACT SHEET

EXISTING SITE CONDITIONS

DRAINAGE AREA



DRAINAGE CHARACTERISTICS

REGIONAL WATER MANAGEMENT PLAN	Lower Los Angeles River Watershed Management Program
DRAINAGE AREA	955 acres Lynwood (36.8%) South Gate (63.2%)
INFILTRATION RATE	0.83 to 1.03 inches per hour
APPROX. DEPTH TO GROUNDWATER	43 ft BGS
MODELED AVERAGE ANNUAL RUNOFF VOLUME	647 ac-ft per year

Bullis Road, Southerly View

Lynwood Park

BMP CHARACTERISTICS

LOCATION	Lynwood Park 11301 Bullis Road, Lynwood	LAT: 33° 55’39.86"N LONG: 118° 12’6.68"W

Proposed BMP Description: The Lynwood Park site is owned and operated by the City of Lynwood and is located within the Lower Los Angeles River watershed. The project seeks to improve water quality discharged to the Lower Los Angeles River and will restore and rehabilitate areas of the park. The project proposes two stormwater diversion structures from two branches of the LACFCD East Compton Creek storm drains. The water captured will be filtered by hydrodynamic separators and infiltrated in a 3.6 MG/11.2 AF underground storage reservoir. Additional features include parking lot enhancements (native landscaping, permeable pavement, and bioswales), an ephemeral stream, and a butterfly garden.

The treatment drainage area for the project at 955 acres captures runoff from the jurisdictions of Lynwood and South Gate. This project has the potential to offer runoff storage and water quality benefits for these jurisdictions that can address the additional needs for stormwater management identified to achieve compliance in the WMP.

Project Benefits:

- **Water Quality** Improvement in the Lower Los Angeles River by treating stormwater and urban runoff
- **Water Supply** recharge through infiltration from the subsurface reservoir
- **Nature-Based** parking lot enhancements with sustainable native landscaping and permeable pavement
- **Park recreational enhancements** with an ephemeral stream and butterfly garden

John L. Hunter AND ASSOCIATES, INC.

craftwater engineering, inc.

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PROPOSED CONCEPTUAL SITE LAYOUT

Parking Lot: Permeable Pavement and Bioswales

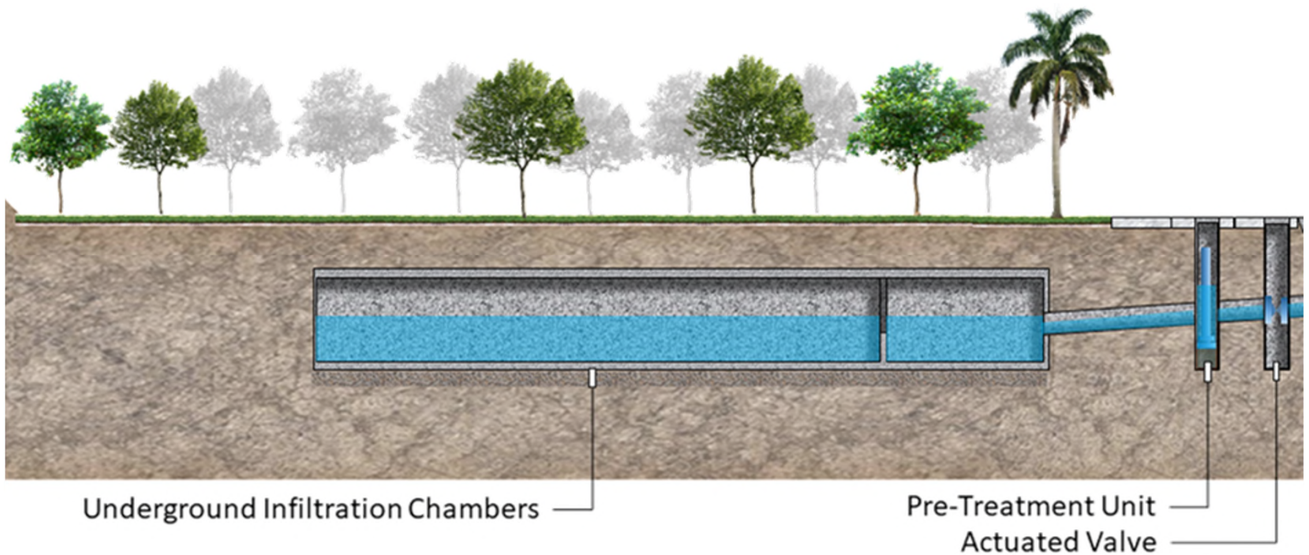
Pre-Cast Subsurface Infiltration Facility

Ephemeral Stream to butterfly garden

PRELIMINARY SCW SCORING

SECTION	TOTAL COST
A.1 Wet Weather Water Quality Benefits • A.1.1 Water Quality Cost Effectiveness • A.1.2 Water Quality Benefit Magnitude	50
B. Significant Water Supply Benefits • B1. Water Supply Cost Effectiveness • B2. Water Supply Benefit Magnitude	0
C. Community Investment Benefits • Improved flood management • Creation/enhancement/restoration of parks • Improved public access to waterways • Enhanced/new recreational opportunities • Reducing local heat island effect • Increasing number of trees and/or vegetation	10
D. Nature-Based Solutions	10
E. Leveraging Funds and Community Support • Strong local, community-based support	4
TOTAL SCORE	**74**

TYPICAL CROSS SECTION



PROJECT CHARACTERISTICS

Primary Pollutant Zinc Reduction Achieved (% Zn reduction)	133 lb/yr (92.5%)
Secondary Pollutant Bacteria (% Bacteria load reduction)	2.7 x 10^{14} MPN (98.1%)
Design Diversion Rates • Project No. 6, Unit 3, Line A (Bullis Road) • Project No. 6, Unit 3, Line D (Birch Street)	20 cfs 40 cfs
Storage Capacity for Subsurface Storage and Infiltration Reservoir	11.2 ac-ft (3.6 MG)
24-Hour Capacity	27.78 ac-ft
Construction Cost Estimate	$12,952,744

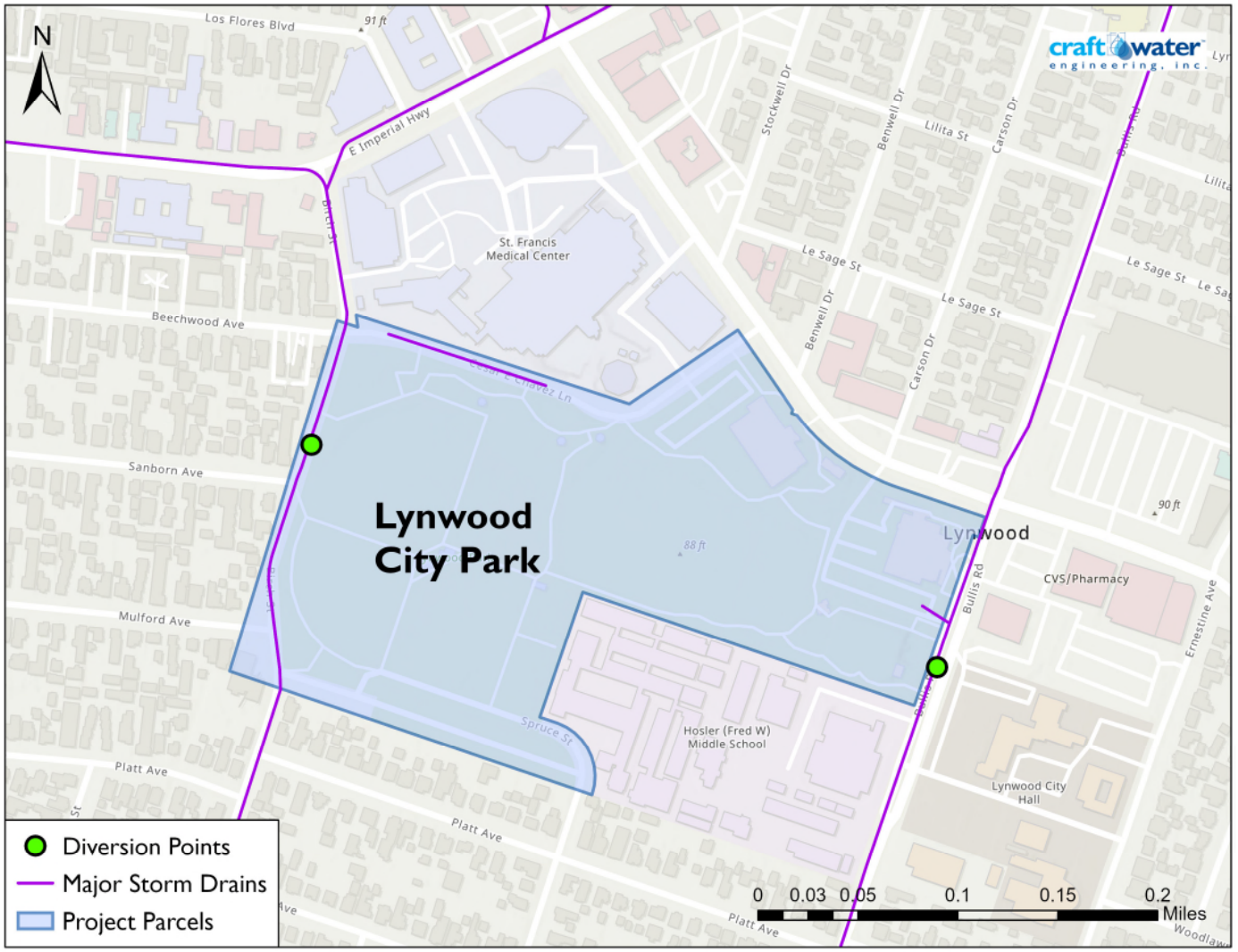


Figure 7. Map of parcels and ROW boundaries for Lynwood City Park project.

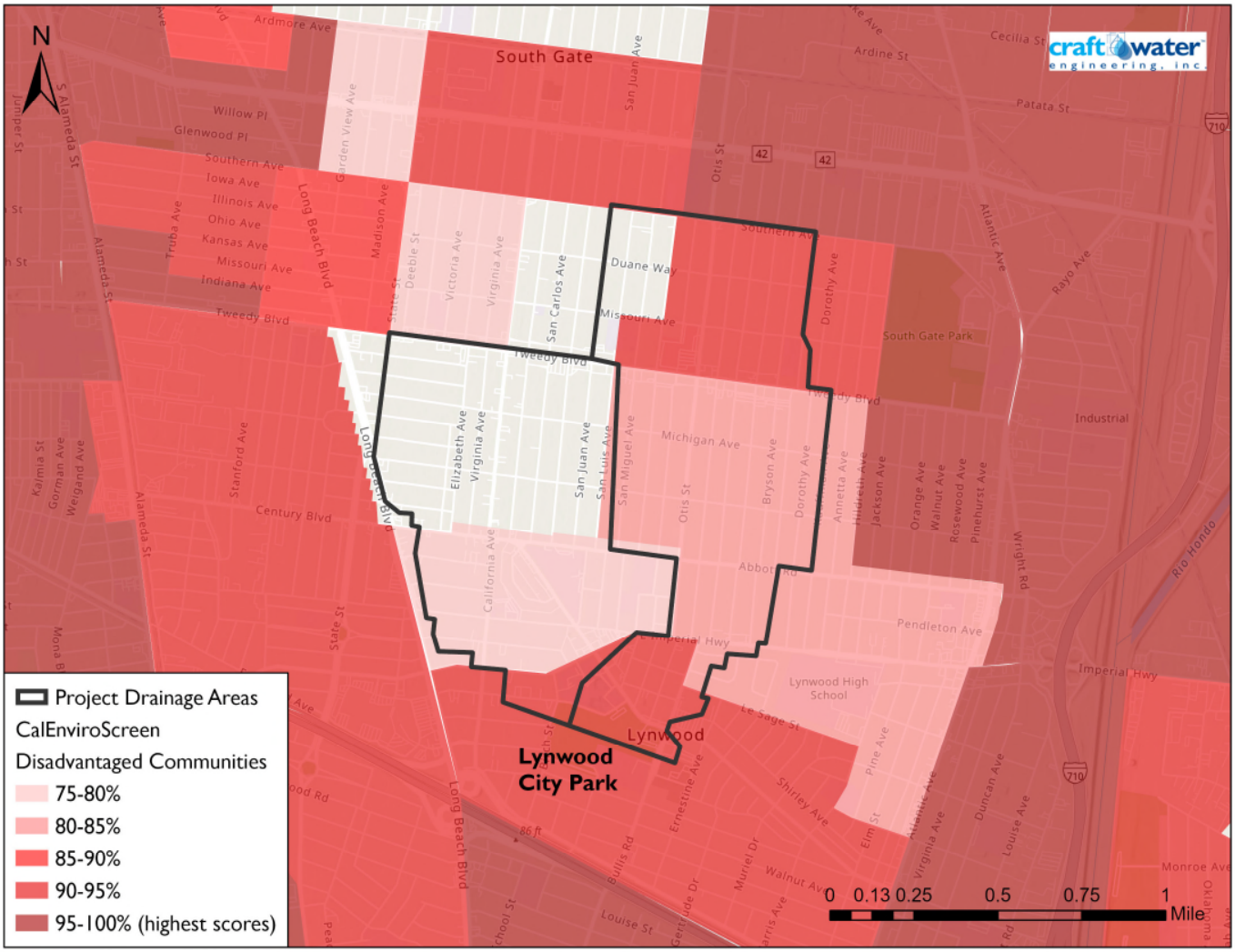


Figure 10. Disadvantaged Communities within the Lynwood City Park Drainage Area