Technical Report for Schematic Design & **Air Pollution Reduction Measures Report**

NATURAL PARK at Ramona Gardens Housing Development







Mountains Recreation & Conservation Authority





VS₂ Consulting Inc.



















RED GREEN BLUE FUND OF THE LIBERTY HILL FOUNDATION

The Natural Park at Ramona Gardens Housing Development

Combining community priorities, air pollution reduction measures, ecosystem science and engineering, the **Natural Park** will improve public health by transforming land between Ramona Gardens and the 15-lane freeway corridor into a beautiful 'Nature in the City' park. This innovative '**Big Nature/La Naturaleza en Grande**' plan features an Anti-Pollution Green Buffer with over 15,000 native trees, shrubs and plants and a pollution/sound barrier to reduce air pollutants and noise, recycle stormwater, build resiliency to climate change and provide green open space for families and children to gather, walk and play.

Legacy LA

Legacy LA is a non-profit, community-based youth development organization dedicated to long-term community change. Legacy LA positively intervenes in the lives of young people by providing tools to transform their lives and communities, including alternatives to gangs and violence. Legacy LA's flagship youth leadership program uses a social justice model to increase youths' knowledge of community issues, civics, and community organizing to build their capacity to address public health and environmental justice issues and systems that affect their lives. Legacy LA is a leader in the effort to address public health problems in Boyle Heights by improving air quality, education, and employment conditions and creating green open space.

Community Conservation Solutions (CCS)

CCS is a non-profit organization that implements innovative projects to benefit both human and natural communities. CCS develops nature-based solutions that address public health and other problems by using an ecosystem science approach to improve air quality, reduce greenhouse gases, clean and re-use stormwater, build resiliency to climate change, restore native habitat and create recreation and green open space in communities with the greatest needs.

Mountains Recreation and Conservation Authority (MRCA)

The MRCA is dedicated to the preservation and management of local open space and parkland, wildlife habitat, watershed lands and trails, and to ensuring public access to public parkland. The MRCA provides natural resources and scientific expertise, regional planning services, and education and leadership programs.

For more information, contact

www.conservationsolutions.org or www.legacyla.org or sarah.kevorkian@mrca.ca.gov

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THE PROJECT TEAMS

Project Teams included Legacy LA, Community Conservation Solutions and the Mountains Recreation and Conservation Authority

Feldman Consulting Project Lead, Direction and Design

Feldman Consulting provides strategic and practical guidance on complex environmental, community, land use and water issues to move projects from vision to successful implementation. We specialize in innovative approaches and on integrating multiple benefits to create landmark conservation, park, community-serving and development projects.

VS2 Consulting Inc. Civil Engineering, Stormwater and Sustainability

VS2 Consulting Inc. provides planning, civil and environmental engineering, and project/program management services to institutional, public, and private clients. We leverage our expertise, local knowledge, and innovative approach to help deliver sustainably-conceived and engineered solutions to our client partners.

SWA Landscape Architecture

SWA is a landscape architecture, urban design and planning firm, with seven studios worldwide. SWA's public park portfolio focuses on improving quality of life in cities by addressing issues of density, pollution, sustainability, community programming, arts, and culture.

Land IQ Habitat Restoration and Soil Science

Land IQ specializes in providing solutions to challenging agricultural and environmental problems throughout the western United States. Native habitat restoration services include revegetating and reclaiming disturbed landscapes, and natural resources planning, analysis, and management.

WSP USA Air Quality Research and Analysis

WSP USA is the U.S. operating company of WSP, one of the world's leading engineering and professional services firms. Dedicated to serving local communities, we are engineers, planners, technical experts, strategic advisors and construction management professionals. WSP USA designs lasting solutions in the building, transportation, energy, water and environment markets.

P2S Mechanical, Electrical and Plumbing Engineering

P2S is a consulting engineering and commissioning firm committed to innovative designs, sustainable solutions, and exceptional services. P2S believes in helping its customers succeed by providing high-quality professional engineering services that are responsive to the needs of the company and the greater community.

Miyamoto International Structural Engineering

Miyamoto International is a global structural engineering and disasterrisk reduction firm providing resiliency expertise that sustains industries and safeguards communities around the world.

Murow Development Consultants Cost Control Consultant

Murow Development Consultants serves the land development and construction industry throughout the western U.S. The firm has ten divisions specializing in dry utility consulting and coordination, bid administration, project and construction management, cost estimating and budgeting, entitlement services, and litigation support.

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NATURAL PARK at Ramona Gardens Housing Development

Public Health • Air Quality • Stormwater • Native Habitat • Green Open Space • Walking Trail • Recreation





The Natural Park at Ramona Gardens is part of California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment—particularly in disadvantaged communities. For more information, visit the California Climate Investments website at www.caclimateinvestments.ca.gov.

LOCATION MAP







COMMUNITY PRIORITIES FOR NATURAL PARK

The elements below were identified as top priorities by residents and community members through community workshops, Legacy LA's door-to-door survey of 500 residences at Ramona Gardens, and meetings with stakeholders. Community input was the driving force in development of the 'Big Nature/La Naturaleza en Grande' concept design for the Natural Park at Ramona Gardens.

RIORIDAD		Quiet place to escape city, beauty Native trees, flowers and wildlife Water Natural places for children to play	Lugar tranquilo para descansar, belleza Arboles, flores y pájaros nativos Agua Lugares naturales para que juegen los niños
		Buffer from freeway noise Remove air pollutants	Barrera para desminuir el sonido de la auropista Remueve la contaminación del aire
		Walking trail Exercise	Camino natural Ejercicio
RTANTE	¥	Shade, seating areas Picnic area	Sombra, áreas para sentarse Area de Picnic
	and the second s	Security lighting	Luces de seguridad
X		Improved area for swap meet	Area del agachón mejorado

IMPORTANT

Basketball courts/Active play area

VS2 Consulting Inc. SWA OP LAND IQ

- Murals and art
 - Dog park

- · Canchas de baloncesto / Área activa de juego
- Murales y arte
- Parque para perros



Gathering input from all ages at a community workshop

FIGURE 2: Community Priorities for Natural Park



Sean Vargas, VS2 Consulting Inc. receives community input on concept plan. Photos by David Ng



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ILLUSTRATIONS: ANTI-POLLUTION GREEN BUFFER

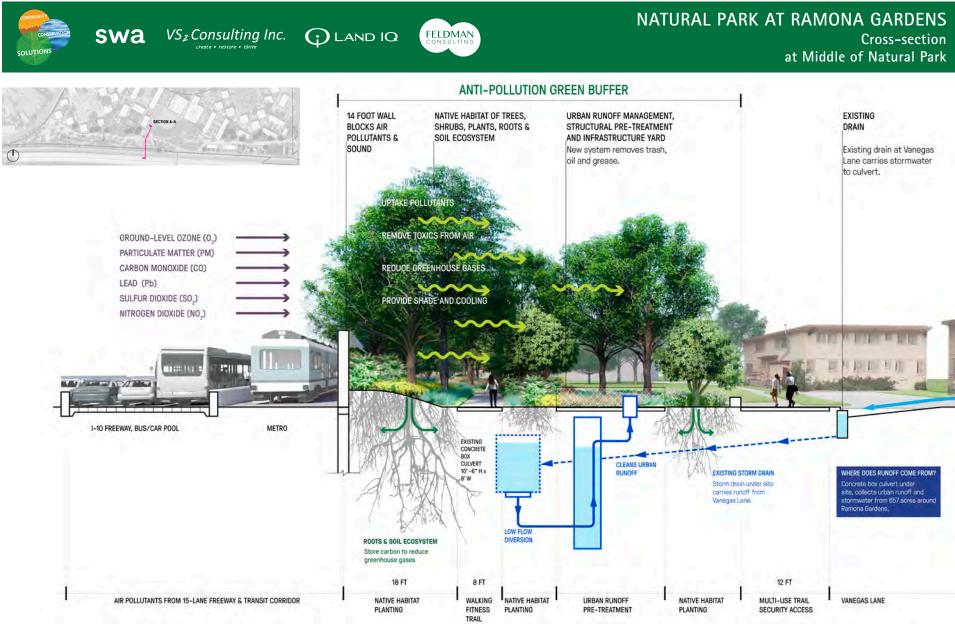


FIGURE 13: Cross-section at middle of Natural Park shows above-ground and below-ground elements

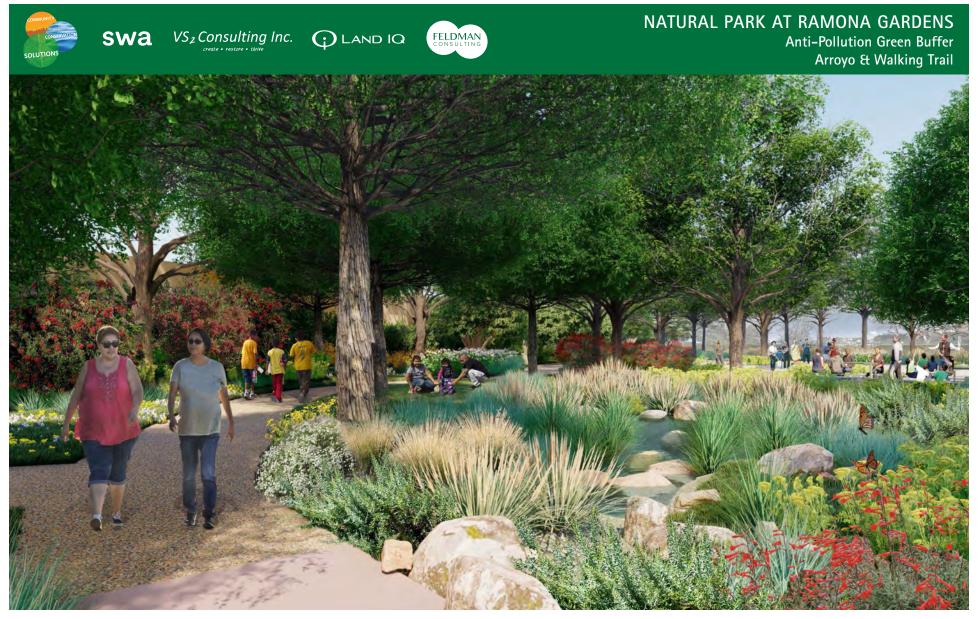


FIGURE 5: Artist's rendering of Anti-Pollution Green Buffer, Arroyo & Walking Trail



FIGURE 6: Artist's rendering of La Plaza Verde on an event or swap meet day



FIGURE 17: Artist's rendering of active recreation zone, courts and walking trail at Indiana Avenue



FIGURE 15: Longitudinal Cross-Section from Vanegas Lane to La Plaza Verde at Murchison Street

ILLUSTRATIVE SITE PLANS: ANTI-POLLUTION GREEN BUFFER



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NATURAL PARK AT RAMONA GARDENS Big Nature Illustrative Plan



FIGURE 10: Natural Park Illustrative Plan



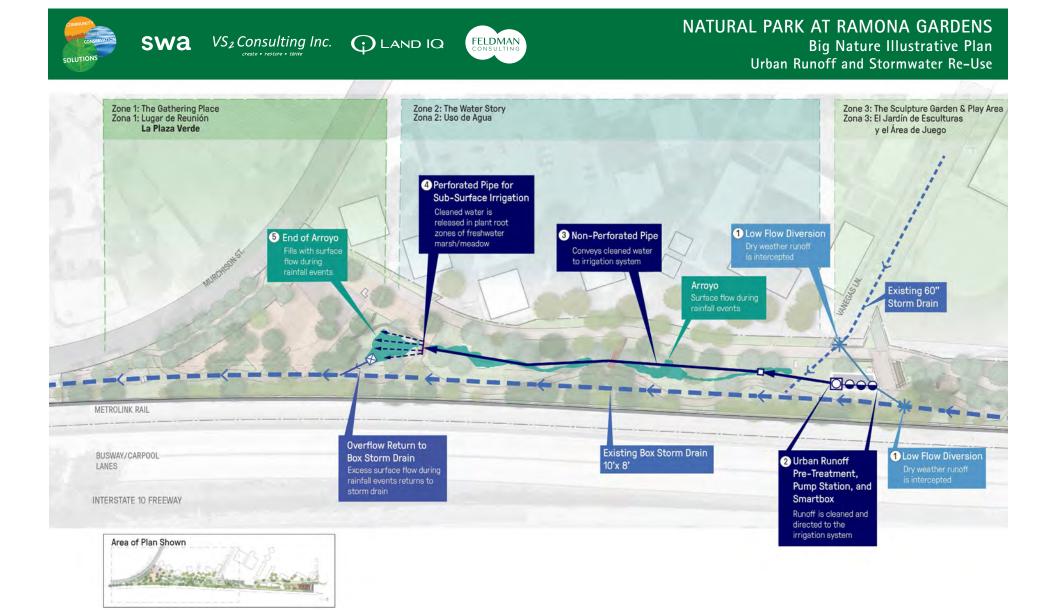


FIGURE 14: Illustrative Plan: Urban Runoff and Stormwater Re-Use





EXHIBIT 5

ABOUT THE PROJECT TEAM

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Engineering and Stormwater, Green Infrastructure

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