Old Orchard Park – PD 0717 Green Street

Infrastructure Program Executive Summary

Upper Santa Clara River, City of Santa Clarita, FY 23-24 TA Application

SAFE CLEAN WATER PROGRAM

Project Background

Retrofit 1) Old Orchard Park by diverting 12' X 10' reinforced concrete storm drain to a subsurface infiltration and 2) one nearby green street

Project Objectives: Improve water quality, reduce flooding, improve recreation access

Project Status: Conceptual Design

Funding Requested: $300,000 for Technical Assistance

Supervisor District: 5th Dist., Supervisor Kathryn Barger

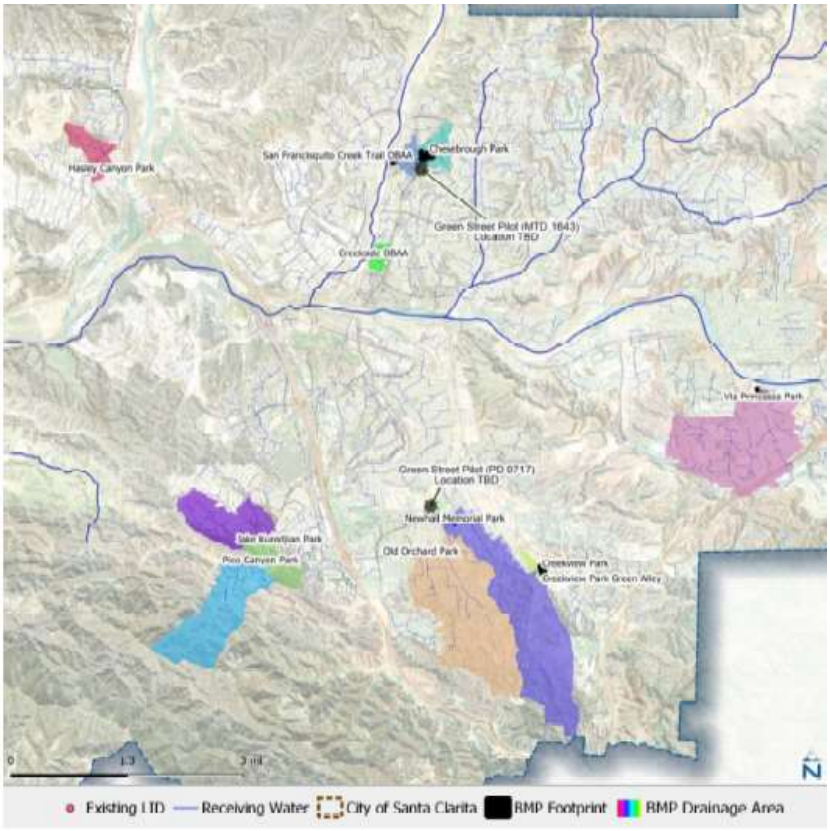
Project Overview

- Water quality monitoring drainage area
- Major storm drain confluence under park
- Included in USCR Watershed Management Plan
- Potential benefits include improved water quality through treating runoff from 30% to 40% of Newhall neighborhood, groundwater recharge, reduced flood risk in disadvantaged community, improved recreation access
- The neighborhoods surrounding the park, which are substantially disadvantaged or severely disadvantaged could see improvements in flood management, improved recreational opportunities

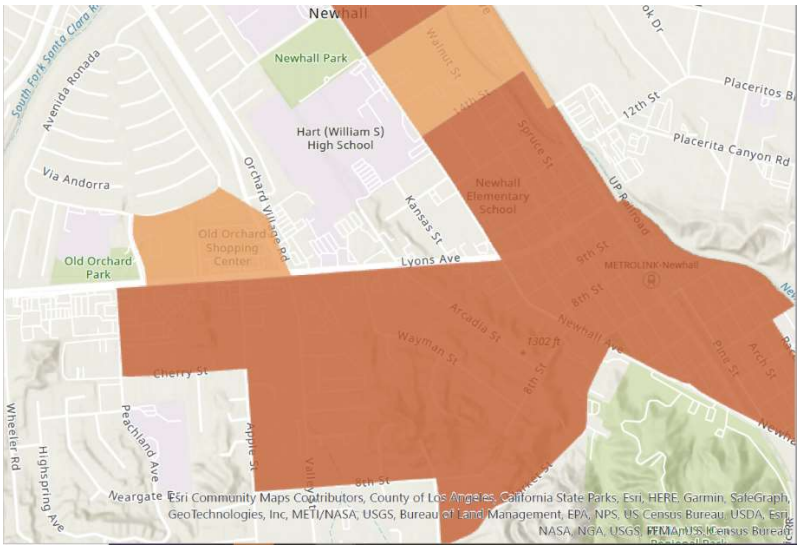
Project Details

- In addition to the regional infiltration BMP shown above, the neighborhood near Via Tanara/Via Valentina shown of the map would be considered for a green street retrofit.
- Current sites are a City owned park and a private single-family home neighborhood
- An initial assessment of the Old Orchard Park site showed that it was perfectly situated with storm drain confluence underneath an existing multi-purpose field and baseball field
- Monitoring of nearby outfall shows dry weather and wet weather flows with water quality improvement needed

Project Location



Old Orchard Park Drainage Area in Tan



Map of Disadvantaged and Severely Disadvantaged Area Surrounding Old Orchard Park

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Preliminary Score		
Benefit	**Score**	**Description**
Water Quality		• Regional Infiltration BMP and Green Street • Wet and Dry benefits • Santa Clara River, South Fork • Estimated 15-acre feet for Regional Infiltration BMP, 1-acre foot for green street • E coli and metals reduction • East Basin Groundwater located under the proposed Regional Infiltration BMP
Water Supply		
Community Investment		• Reduced flooding • Improved park and recreational opportunities • Potential adjacent school involvement
Nature Based Solutions		• Soil infiltration • Green Street retrofit could use soil and plants as filters
Leveraged Funds		• Unknown at this time
Community Support		• Old Orchard Park master plan was developed from engaging the surrounding community with meetings, surveys and other methods • Green Street has not engaged and would be park of request
TOTAL		

Project Cost & Schedule			
Phase	Description	Preliminary Estimated Cost	Preliminary Estimated Completion Date
Conceptual Design	Technical Assistance Application	**$300,000**	**2026**
Design	Bring concept to plans and bid specifications	**$1,800,000**	**2029**
Regional BMP Construction	Retrofit Old Orchard Park with Regional Infiltration BMP	**$8,500,000**	**2031**
Green Street Construction	If needed to amplify flow reduction of Old Orchard Park	**unknown**	**2036**
TOTAL		**$10,600,000**	

- Description of Annual Costs & Project Lifespan

Funding Request			
Year	SCW Funding Request	Phase	Efforts during Phase and Year
1	Technical Assistance	**Conceptual Design**	Develop concept to determine viability and develop bids for design services
2			
3			
4			
5			
TOTAL			