

PROJECT E2

SUNNYVALE EAST AND SUNNYVALE WEST CHANNELS FLOOD PROTECTION

This project is to upgrade approximately 6.4 miles of the existing Sunnyvale East Channel to provide 1% flood protection (100-year event) to 1,618 parcels and approximately three (3) miles of the existing West Channel to provide 1% flood protection for 47 acres of highly valuable industrial lands, including the Onizuka Air Force Base.

The Sunnyvale East Channel and Sunnyvale West Channel improvement projects have been combined into a single flood protection project with a single Environmental Impact Report (EIR) to reduce construction costs and improve efficiencies. Both projects decrease channel turbidity and sediment by repairing erosion sites, thereby improving water quality and reducing sediment to the San Francisco Bay.

In 2018, Valley Water entered into a Memorandum of Understanding with Google, LLC (Google) to incorporate Google’s proposed enhancement effort along 1,100 linear feet of the Sunnyvale West Channel into the project. This portion of the project will also be part of Google’s Caribbean Campus Project. Valley Water has completed 100% design and has submitted all required permit applications for the project. Once all permits are received, Valley Water will begin construction.

Benefits

- Provides 1% flood capacity for approximately 6.4 miles of channel along Sunnyvale East and approximately three (3) miles of channel along Sunnyvale West within the City of Sunnyvale, protecting 1,618 properties (Sunnyvale East) and 47 acres (11 properties) of industrial land (Sunnyvale West)
- Improves channel water quality by providing erosion control measures to decrease sediment and turbidity
- Identifies recreational opportunities that can be integrated by the City of Sunnyvale and others as appropriate
- Addresses climate change

Key Performance Indicator (FY22–36)

1. Provide 1% (100-year) flood protection for 1,618 properties and 47 acres (11 parcels) of industrial land, while improving stream water quality and working with other agencies to incorporate recreational opportunities.

Geographic Area of Benefit: Sunnyvale

Modified Funding Allocation

Project E2: Sunnyvale East and Sunnyvale West Channels Flood Protection Financial Summary (\$ Thousand)	
15-Year Allocation	Modified 15-Year Allocation (approx.) *
\$49,268	\$23,075

**The modified funding allocations are approximated at this time and will be finalized through the development and Board approval of the Capital Improvement Program’s FY 2024-28 Five-Year Plan.*

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