

City of Carmel-by-the-Sea
DEPARTMENT OF PUBLIC WORKS

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Water Demand Committee
Monterey Peninsula Water Management District
Building G, 5 Harris Court
Monterey, CA 93940

RE: Funding request for City of Carmel Demonstration Rain Garden Project

Dear Members of the Water Demand Committee,

The City of Carmel-by-the-Sea is submitting this request for funding to implement a demonstration rain garden project that will showcase better practices in drainage management to reduce potable water use and runoff pollution, and to utilize native, drought-tolerant landscaping.

Project Description

The project will be located in a very visible location in front of the City's Public Works building, along Junipero Street between Fourth and Fifth Avenues. The proposed project area is shown in the attached photographs. Currently, runoff from the roof of the Public Works building drains to the slope on the side of the building, which causes some erosion of mulch and sediment onto the street. The proposed project will create a rain garden that collects this runoff and infiltrates it into the landscape.

The rain garden and surrounding landscape areas will be vegetated with native drought-tolerant plants. The plant palette for the rain garden area, including yarrow, native iris, and rushes, is also tolerant of wet soil conditions, as recommended by the Central Coast Low-Impact Development Initiative. Pea gravel will be used as ground cover in the rain garden to minimize erosion during storms, while mulch will be used on surrounding landscape areas. The project also includes installation of a 150-gallon rain barrel to collect roof runoff for supplementary irrigation of the new landscaping during dry periods.

In order to reduce costs and provide in-house training, the project was designed and will be constructed by Public Works staff. Attached is the design plan concept. An attractive interpretive sign will be posted in a visible location to provide information to the public on the benefits of rain gardens.

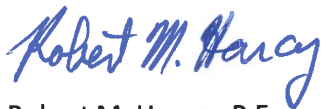
Project Budget

The City estimated a budget of \$3,950 for supplies to complete this project, as shown in the table below. If we encounter any cost savings, any remaining funds will be used to implement a demonstration native drought-tolerant landscape on the other side of the walkway to the Public Works Department.

Item	Cost
Native drought tolerant plants	\$700
Boulders and rocks	\$400
Pea gravel / river rock	\$600
Soil	\$300
Rain barrel (150 gallon) w/ anchor, hose adaptor valve, and overflow outlet	\$450
Interpretive signage	\$1,000
Contingency	\$500
TOTAL	\$3,950

The City of Carmel-by-the-Sea greatly appreciates your support with this exciting demonstration project. Finally, we would like to recognize the District's assistance and logo on the interpretive sign for the rain garden.

Sincerely,



Robert M. Harary, P.E.
Public Works Director

Attachments: Project Location Photographs
Project Plan

Project Location Photographs



Project location viewed from sidewalk and Public Works Department walkway



Project location viewed from the roof of the Public Works Department and from the south side of the proposed rain garden location, looking north.

Project Plan

