



## Monterey Peninsula, Carmel Bay, and South Monterey Bay IRWM Regional Water Management Group (RWMG) Meeting

Meeting Date and Time: September 28, 2020, 11am – 12pm

### Attendees

- Maureen Hamilton MPWMD,
- Andrew Racz MCWD,
- Leon Gomez City of Sand City,
- Mike McCullough M1W,
- John Olson CSUMB,
- Scott Ottmar City of Seaside,
- Caleb Schneider City of Pacific Grove,
- Barbara Buikema CAWD,
- Rachel Saunders BSLT
- Shandy Carroll Monterey County RMA,
- Bob Siegfried, CVA
- Larry Hampson MPWMD

### Meeting Minutes

Andrew Racz (AR) opened the meeting and summarized the intent of the meeting was to request additional Round 1 IRWM funding for the MCWD and Sand City projects. AR then began a PowerPoint presentation (**Attachment 1**). The presentation summarized the total Round 1 funding awarded to the region, the removal of the City of Monterey project and leftover funds, and both MCWD and Sand City's request for additional funding.

Maureen Hamilton (MH) reminded the group that rules changed for Round 2 such that water supply projects for the peninsula can be funded in round 2.

AR presented on the Coe Avenue Recycled Water Pipeline Project for MCWD.

Leon Gomez (LG) presented on the Sand City West End SW Improvement Project in Sand City.

MPWMD is asking for \$155,000 to increase the administration amount closer to 10% (**Attachment 2**); the original request was capped by the RWMG approval of the total request amount in 2019. This will return a total of \$41,426 to our allocation for Round 2 grant.

Meeting participants asked several questions and a discussion ensued. MH will issue meeting minutes, presentation, and shared MPWMD Administration budget request screen.

### Questions

Round 2 doesn't have an official schedule yet, assume 2022 for funding.

### Motion and Vote

Scott Ottmar (SO) motioned to accept the following changes to the grant application and award:



- Increase Coe Avenue Recycled Water pipeline (MCWD) grant request from \$285,000 to \$443,750
- Increase West End Stormwater Improvement (Sand City) grant request from \$972,400 to \$1,097,400
- Increase Grant Administration (MPWMD) grant request from \$142,176 to \$155,000

Andrew Racz seconded the motion.

#### Roll Call Vote:

- Rachel Saunders BSLT – aye
- CSUMB – aye
- Carmel WWD – aye
- Carmel Valley Association - aye
- Pacific Grove aye
- Sand City aye
- Seaside aye
- MCWD aye
- County RMA aye
- County WRA not present
- M1W aye
- MPWMD aye
- RCD not present

# ATTACHMENT 1

## Monterey Peninsula, Carmel Bay, and South Monterey Bay Integrated Regional Water Management Group

September 28, 2020

### *Proposition 1 Round 1 Implementation Grant: Proposed amendments to project budgets*

#### Summary

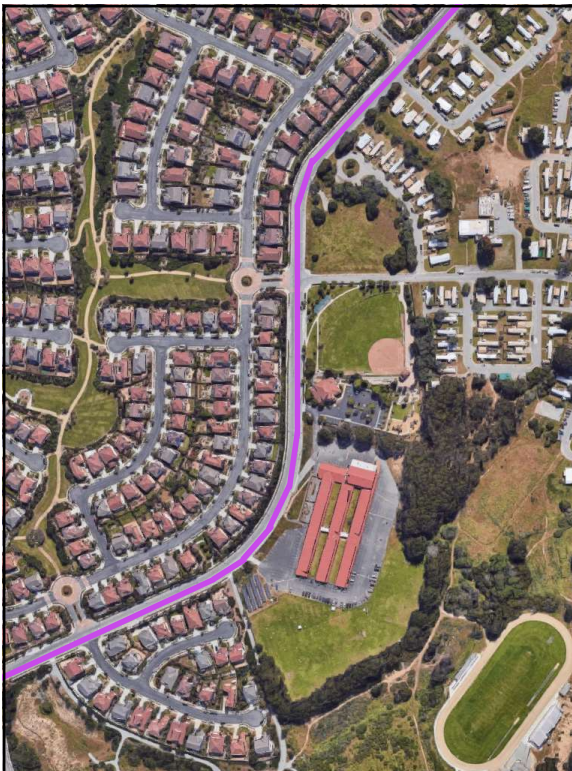
- *July 7, 2020: DWR notifies IRWM group of Prop 1 Round 1 IRWM Implementation Grant Award: **\$2,317,040***
- *Funds allocated to 4 projects put forth by 4 respective proponents, plus overhead for grant management by MPWMD*
  - **Coe Avenue Recycled Water Pipeline (MCWD)**
  - *Del Monte Manor Park LID Improvements (City of Seaside)*
  - **West End Stormwater Improvement (City of Sand City)**
  - ~~*Ramona Avenue Stormwater Infiltration (City of Monterey)*~~
- *Due to changes in budget/scope of three of the four approved projects, project proponents wish to alter the Round 1 funding distribution*

## ATTACHMENT 1

## Round 1 Grant Allocation

*Due to changes in budget/scope of three of the four approved projects, project proponents wish to alter the Round 1 funding distribution:*

<b>TOTAL Prop 1 Round 1 Grant Amount</b>	<b>\$2,317,040</b>		
<b>Project</b>	<b>Original Request</b>	<b>Amended Request</b>	<b>Increase/Decrease</b>
Coe Avenue Recycled Water pipeline (MCWD)	\$285,000	\$443,750	+\$158,750
West End Stormwater Improvement (Sand City)	\$972,400	\$1,097,400	+\$125,000
Del Monte Manor Park (City of Seaside)	\$579,464	<i>(no change)</i>	
<del>Ramona Avenue Stormwater Infiltration (City of Monterey)</del>	<del>\$338,000</del>	<del>\$0</del>	<del>-\$338,000</del>
Grant Administration	\$142,176	\$131,500	-\$10,676
<b>Unused Round 1 funding available for Round 2</b>	<b>+\$64,926</b>		



## Coe Avenue Recycled Water Pipeline (MCWD)

### Project Description:

- ✓ Construct approximately 3,000 linear feet of new recycled water distribution pipe beneath Coe Avenue
- ✓ Provide nearly 200 AFY of recycled water for the irrigation of parks, recreational fields, and community green spaces
- ✓ Part of the larger Regional Urban Water Augmentation Project (RUWAP)



# ATTACHMENT 1



## Benefits to Water Users

- ✓ Clean advanced-treated recycled water is treated to drinking water quality standards.
- ✓ Recycled water is a reliable, "drought-proof" supply. Green spaces stay green year after year, year-round.
- ✓ Facilities serve residents of disadvantaged/severely disadvantaged communities (DACs) and economically disadvantaged areas (EDAs).

## Benefits to Environment

- ✓ Reduced pumping from and increased recharge to stressed groundwater basins
- ✓ Reduction of polluted discharge to the Monterey Bay and Elkhorn Slough
- ✓ Less energy-intensive means of water production than either desalination or imported water



## ATTACHMENT 1

## Project Budget

- Engineer's estimate in September 2019: **\$570,000**
- Matching funding for Construction/Implementation phase of project only

Table 1 – Project Budget					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source	Other Fund Source*	Total Cost
(a)	Direct Project Administration		\$20,000		\$20,000
(b)	Land Purchase/Easement				N/A
(c)	Planning/Design/Engineering/Environmental Documentation		\$60,000		\$60,000
(d)	Construction/Implementation	\$285,000	\$285,000		\$570,000
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$285,000	\$365,000		\$650,000

## Project Budget

- Engineer's estimate in September 2019: **\$570,000**
- Winning bid awarded to MPE in June 2020: **\$887,505**

8" DIP pipeline (2,043 LF @ \$200/LF)	\$408,600
8" PVC pipeline (1,127 LF @ \$175/LF)	\$197,225
Pressure Reducing Station	\$155,000
8" Gate Valves (5 @ \$2,800 ea)	\$14,000
Combination Air/Vacuum Valves (3 @ 6,500 ea)	\$19,500
Blow-off Assemblies (3 @ \$13,500 ea)	\$40,500
Slurry Seal (12,560 SY @ \$3/SY)	\$37,680
Pavement Striping	\$15,000
<b>TOTAL</b>	<b>\$887,505</b>

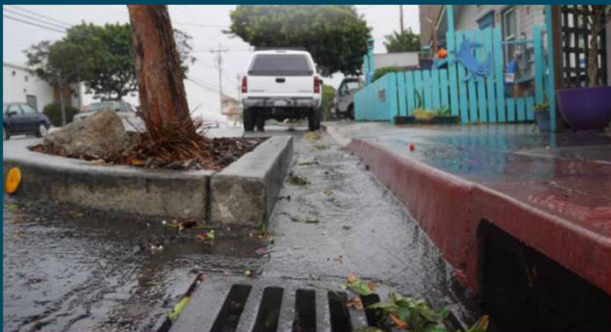
- MCWD is seeking a 50% match of this amount: **\$443,750**  
*(\$285,000 already awarded + \$158,750 additional funding)*



# ATTACHMENT 1

## West End Stormwater Improvement Project; City of Sand City, CA

*Retrofit of an existing urban collector street to integrate LID features, address flooding and promote sustainable water management, benefitting a Disadvantaged Community (DAC)*



### Existing Conditions

- Catalina Street is located within the “West End” District. Under existing conditions, drainage within the West End area is conveyed via surface streets into conventional storm drain infrastructure (inlets and pipes) to an existing 90-inch outfall that discharges into the Monterey Bay.
- The area is composed primarily of large, impervious surface areas and adjacent to residential, commercial, and light industrial uses which contribute pollutants to urban runoff.
- Catalina Street contributes significant runoff to Ortiz Avenue, which experiences localized flooding during moderate and heavy storms. This flooding has resulted in property damage to homes and businesses.
- The street and surrounding neighborhood lack green spaces and ADA accessible sidewalks and ramps.
- The City’s goals are to minimize flooding, treat urban runoff, and enhance the walkability of the street as one of the main corridors through this area of the West End District.

# ATTACHMENT 1



Example

## Proposed Conditions

Retrofit Catalina Street to **integrate LID strategies to address flooding, urban runoff and water quality**, and meet various community objectives for the West End District. LID strategies to be implemented are:

- ✓ Bioretention facilities and curb extensions at intersections to capture runoff
- ✓ Horizontal infiltration chambers
- ✓ Permeable pavement in parking and sidewalk areas
- ✓ New storm drain infrastructure and routing
- ✓ Abandonment of existing storm drain lines

- In addition to the LID components of the project, curb extensions at intersections will provide **improved pedestrian and ADA access** throughout the street corridor.
- The project was selected as the **result of stakeholder outreach and community engagement** to identify important goals and objectives for the West End District.



## Project Benefits

- ✓ **WATER QUALITY:** The LID features will capture and treat urban runoff that would otherwise be discharged to the Monterey Bay National Marine Sanctuary (MBNMS).
- ✓ **HABITAT/ECOSYSTEMS:** By intercepting runoff the project will reduce the amount of urban pollutants entering the MBNMS and thereby help to improve habitat.
- ✓ **CLIMATE CHANGE:** Promoting groundwater recharge will improve the aquifer's resilience against saltwater intrusion, a vulnerability assessed in the IRWM plan.
- ✓ **FLOOD PROTECTION:** The use of LID strategies will reduce the volume of runoff and help to reduce flooding on Ortiz Avenue in the West End neighborhood.
- ✓ **EDUCATION & OUTREACH:** The project has involved significant stakeholder outreach, education, and community involvement through presentations at publicly held city council meetings and via community input at the City's annual West End Celebration. As the project moves forward, the City plans to post informational articles on its webpage, run articles in its newsletter, and organize tours and educational presentations of the project once it is constructed.



# ATTACHMENT 1



## Project Benefits continued

**Based on a 30% design, the project is estimated to:**

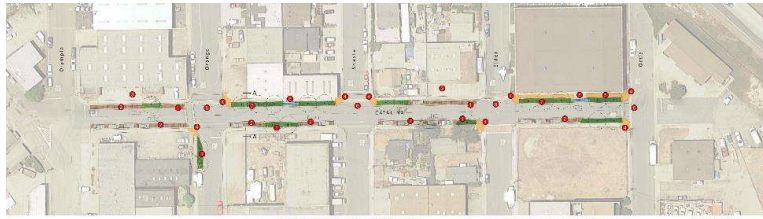
- Reduce pollutants entering the Monterey Bay by **450 kg/year<sup>1</sup>** in **Total Suspended Solids**.
- Increase the average annual infiltration by **4 acre-feet per year<sup>1</sup>**, which is assumed to enter the underlying aquifer.
- Increase urban greening by **3,100 square feet<sup>1</sup>** of bioretention facilities.
- Beautification through urban greening and improved resiliency to climate change.
- Improved community livability.



## Benefits to the DAC

- ✓ The project location is entirely within a disadvantaged community (DAC) Block Group and the DAC community will receive 100% of the benefits.
- ✓ The DAC designation was defined using the 2012-2016 census data that shows the City's median household income (MHI) is \$45,000, which is below 80% of the statewide MHI (\$51,026).
- ✓ The City also has an unemployment rate of 15.3%. Combined with the City's low MHI, these factors qualify the City as an Economically Distressed Area (EDA).
- ✓ The City as a whole is comprised of DAC Census Places, Tracts, and Blocks, and those using the project streets for shopping and businesses will benefit from the project as well.
- ✓ The community is affected by the flooding in the West End District. The improvements of this project will promote groundwater supply resiliency, reduce flooding, and provide urban greening to support community livability and health.

# ATTACHMENT 1



- KEY: ALL IMPROVEMENTS**
- 1. Tree locations and stormwater landscape improvements and ADA ramps at intersections.
  - 2. Parking spaces and stormwater landscape improvements and ADA ramps at intersections.
  - 3. ADA ramps at intersections.
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Catalina Street Green Infrastructure Improvements Plan  
Santitas, California July 2020

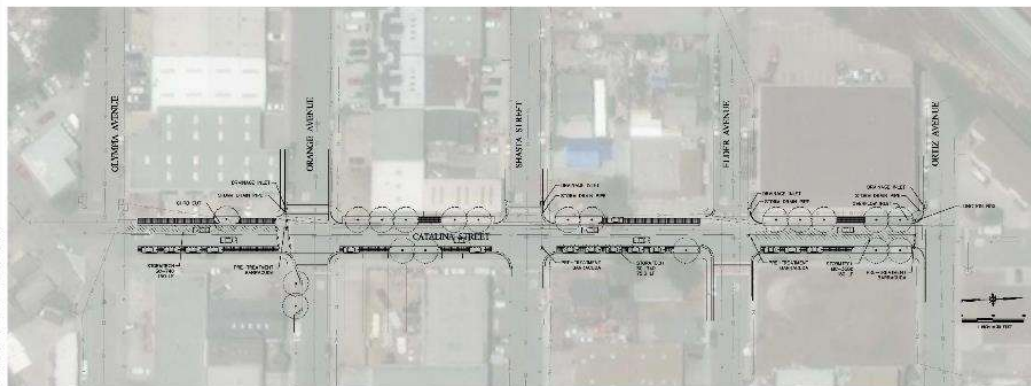
Urban Rain Design  
Cannon

## 30% Design Accomplished to Date

The City has prepared a 30% design. Based on the 30% design, the project is anticipated to construct:

- 18 new street trees
- 24 on-street parking spaces
- 3,100 SF of Stormwater landscape
- 3,275 SF of pervious paving
- 12-16 new ADA ramps at intersections.

## 30% Gray Infrastructure Plan



NO.	DATE	DESCRIPTION	BY	CHKD BY
1	7/20/20	Initial Design	J. Smith	M. Jones
2	7/20/20	Final Design	J. Smith	M. Jones
3	7/20/20	Construction	J. Smith	M. Jones
4	7/20/20	As-Built	J. Smith	M. Jones
5	7/20/20	Final	J. Smith	M. Jones

**Cannon**

GREEN INFRASTRUCTURE IMPROVEMENTS  
GRAY INFRASTRUCTURE PLAN

SANTITAS, CA

DATE: 7/20/20

SCALE: 1" = 20'

PROJECT NO: 20-001

DESIGNER: J. Smith

CHECKER: M. Jones

APPROVER: [Signature]

# ATTACHMENT 1

## Project Budget – Based on 30% Design

Table 1 - Project Budget				
Category	(a) Cost Share: Non- State Fund Source	(b) Requested Grant Amount	(c) Other Cost Share (including other State Sources)	(d) Total Cost
(a) Project Administration	0	44,000	0	44,000
(b) Land Purchase/ Easement	0	0	0	0
(c) Planning/Design /Engineering /Environmental Documentation	0	70,000	0	70,000
(d) Construction/ Implementation	0	858,400	0	858,400
(e) Grand Total (Sum rows (a) through (d) for each	0	972,400	0	972,400

## Request for Additional Funds

*Sand City is requesting additional Round 1 funds in the amount of \$125,000 to support adding the following components to the project:*

- **Curb bulb extensions at intersections to accommodate bioretention/landscape areas** for storm water capture, treatment and infiltration, and to ensure safe pedestrian access. The additional bioretention/landscape areas will also provide urban greening and climate change adaptation benefits
- **Pervious pavement at intersections** within the Project to increase storm water infiltration and water quality performance.  
*While pervious pavers have been used for street parking areas and alleys, the use of pervious materials within street travel lanes has not been implemented in this region. Adding pervious pavement intersections to the Project will provide an example for other municipalities in the region to draw from.*
- **Based on preliminary estimates, the total cost to include these components at all intersections within the Project is \$600,000-\$700,000. The City will fund the difference between this cost and the additional Round 1 funds requested.**



# ATTACHMENT 2

## EXHIBIT B BUDGET PROPOSITION 1 ROUND 1 MONTEREY PENINSULA IRWM IMPLEMENTATION GRANT AGREEMENT BUDGET SUMMARY

PROJECTS		Cost Share: Non-State Fund Source*	Grant Amount	Other Cost Share**	Total Cost	Percent Cost Share
1	Project 1: Grant Administration**	<u>\$21,744</u> <u>\$155,000</u>	<u>\$142,176</u> <u>\$155,000</u>	\$0	<u>\$163,920</u> <u>\$310,000</u>	<u>13.27%</u> <u>50%</u>
2	Project 2: Coe Avenue Recycled Water Distribution Pipeline	<u>\$378,869</u> <u>\$507,707</u>	<u>\$285,000</u> <u>\$443,750</u>	\$0	<u>\$663,869</u> <u>\$951,457</u>	<u>57%</u> <u>53%</u>
3	Project 3: Del Monte Manor Low Impact Development Improvement Project	\$0	\$579,464	\$0	\$579,464	0%
4	Project 4: West End Stormwater Improvement Project	\$0	<u>\$972,400</u> <u>\$1,097,400</u>	\$0	<u>\$972,400</u> <u>\$1,097,400</u>	0%
<del>City of Monterey</del>	<del>Ramona Avenue Stormwater Infiltration Project</del>	<del>\$77,000</del>	<del>\$338,000</del>		<del>\$415,000</del>	<del>18.55%</del>
<b>GRAND TOTAL</b>		<u><b>\$477,613</b></u> <u><b>\$510,369</b></u>	<u><b>\$2,317,040</b></u> <u><b>\$2,275,614</b></u>	<b>\$0</b>	<u><b>\$2,794,653</b></u> <u><b>\$2,938,321</b></u>	<u><b>17.1%</b></u> <u><b>22.6</b></u>

### NOTES:

\*Non-State funds represents the 50% required cost share by Proposition 1 and could be from any non-state source (County, Federal, any other agency share, etc.). Other cost share is any additional funding that the Grantee includes above the 50% required cost share; and it could be from any non-state source. Federal funding that passes through the California Governor's Office of Emergency Services is considered from a federal source. Footnote should explain if the Grantee received a cost share waiver or reduction, and what percent the waiver was approved for. List fund source(s). List sources of Cost Share.

\*\* List sources of Other Cost Share, including other State Fund Sources. (Other cost share means the amount that is not required as part of grant/ or proposition)

\*\*\* Funding for grant administration cannot exceed 10% of the total requested grant amount of the proposal. This 10% limit includes total grant administration costs incurred by the Grantee and each Local Project Sponsor.

\*\*\*\*The City of Monterey was unable to move forward with the Ramona Avenue project due to a loss of revenue and subsequent staff layoffs.