

Marin County Flood Control and Water Conservation District

FLOOD CONTROL ZONE 4 ADVISORY BOARD MEETING
JANUARY 25, 2023

STAFF REPORT

Item 1. Approval of Meeting Minutes: October 25, 2022

Draft minutes can be found here:

<https://marinflooddistrict.org/meetings/zone-4-advisory-board-meeting-october-25/>

Recommended Action: Approve minutes.

Item 2. Open Time for Items Not on the Agenda

Comments will be heard for items not on the agenda (limited to three minutes per speaker).

While members of the public are welcome to address the Advisory Board, under the Brown Act Board members may not deliberate or take action on items not on the agenda, and generally may only listen.

Item 3. Storm Report

Our marin.onerain.com rain gauge at Tiburon started recording rainfall on December 26th and it rained nearly every day over the next three weeks for a total of 19 inches. During the same period 34 inches of rainfall was measured on Mount Tamalpais. The series of atmospheric rivers put a lot of stress on the District's pump stations but they kept up with inflows. On January 4 the power went out at Cove Pump Station, but the new generator came on and kept the pumps running. The pump station's remote monitoring screen stopped working but was quickly replaced under warranty.

Item 4. Evaluation of Channel Capacity Improvement Options at East and West Creek

At the prior meeting Civil engineer and geomorphologist Matt Smeltzer of Geomorph Design Group provided the advisory board a presentation on the hydraulics and geomorphology of Zone 4 watersheds. The summary, presentation, and additional reference materials can be found here: <https://marinflooddistrict.org/zone-4-reports-and-documents/>

The advisory board then requested preparation of cost estimates for potential conceptual measures identified for East and West Creeks. The District has been working with Geomorph Design Group to refine a scope of work to respond to the advisory board's request. The first necessary step in preparing these estimates is additional surveying of the creeks. Surveying had to be delayed a month due to the unusually and consistently wet weather, however, the final phase of surveying was completed last week. The cost for surveying was \$15,435 and was done under the Geomorph Design Group on-call contract utilizing the baseline Zone 4 budget.

The remainder of work in response to the request would need to be done under a new contract with a proposed budget of \$71,760. This is more than what is available in the Zone 4 baseline budget so a budget adjustment would be needed. A breakdown of the tasks,

Marin County Flood Control and Water Conservation District

approximate timeline, and estimated costs are provided in the table below. The timeline assumes District Board of Supervisors approval of a new contract on March 7, 2023 and includes time to get feedback and information from the Town of Tiburon, Caltrans, and sanitary district throughout the process.

Task	Description	Estimated Cost	Approx. Timeline
1.a.	Update Models with Survey Data	\$9,000	2 weeks
1.b.	Draft Technical Memorandum	\$6,000	1 week
1.c.	Air Photos Site Maps	\$3,600	1 week
2.a.	Preliminary Analysis for Stakeholder Outreach (Caltrans, Town of Tiburon, Advisory Board)	\$5,760	1 week
2.b.	Update Site Maps for Stakeholder Outreach Exhibits	\$3,600	1 week
Milestone: Update at April 26 Advisory Board Meeting			
3.a.	Develop Draft Project Alternatives	\$11,400	3 weeks
3.b.	Draft Technical Memorandum	\$11,400	3 weeks
4	Develop and Present Project Alternatives	\$11,400	3 weeks
Milestone: Present at July 26 Advisory Board Meeting			
5	Recommended Budget for additional needs if needed (to be detailed at future advisory board meetings)	\$9,600	
Total		\$71,760	4 months

Recommended Action: Recommend the District Board of Supervisors approve a contract with Geomorph Design Group in an amount not to exceed \$71,760, including an equivalent budget adjustment for Zone 4 professional services this fiscal year.

Item 5. Continue Advisory Board Discussion of Potential Zone 4A Boundary Amendment

At April 2022 meeting advisory board began discussing potential to include properties on the west side of East Strawberry Drive in Flood Zone 4A. The board will have the opportunity to continue that discussion.

Item 6. Schedule Next Meeting

District proposes quarterly meetings on the 4th Wednesdays of the months of January, April, July, and October. They may be cancelled if there is no business need. It is recommended at the April 26th meeting that the advisory board receive an update on potential channel capacity improvement measures on East and West Creeks and review the proposed budget for the next fiscal year.