

Marin County Flood Control and Water Conservation District

FLOOD CONTROL ZONE 4 ADVISORY BOARD MEETING
DECEMBER 7, 2017

STAFF REPORT

Item 1. Approval of Meeting Minutes: September 28, 2017

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. Cove Stormwater Pump Station Project Update

CSW/Stuber-Stroeh Engineering (CSW) has been hired to design the upgrade to the Cove Pump Station. At today's meeting, CSW will be presenting an update of the upgrade to the Advisory Board (AB).

Item 4. Sea Level Rise Overview in Zone 4

Staff will present Sea Level Rise (SLR) predictions based on the current SLR mapping tool provided by the Coastal Storm Modeling System (CosMoS), which combines SLR data and storm data. This is the same mapping tool used by the Marin Bay Waterfront Adaptation and Vulnerability Evaluation (BayWAVE) Program. To access the BayWAVE report, please use the following link:

<https://www.marincounty.org/main/baywave/vulnerability-assessment>

Item 5. Sea Level Rise Ad Hoc Committee Report

At the September 28, 2017 AB meeting, the AB formed an Ad Hoc Sea Level Rise Committee consisting of TB and JL. At that meeting, it was decided by the AB that this Ad Hoc committee would have an agenda item on subsequent meeting agendas to present any committee findings to the AB.

Item 6. Capacity of East and West Creeks

AB member JL requested that this item be included on this meeting's agenda.

West Creek: In 2006, Kamman Hydrology & Engineering, Inc. prepared the report, *West Creek Drainage Improvement Assessment, Tiburon, California* (July 2006). This report is included in the AB meeting packet, and is the most recent study of the hydrology and hydraulics of West Creek.

East Creek: In 1974, NHA Engineering Company prepared the report, *Preliminary Design Bel Aire Flood Control Zone No. 4 East Ditch and Pump Station*. This report is included in the AB meeting packet, and is the most recent study of the hydrology and hydraulics (H&H) of East Creek. Staff is currently in the process of completing an updated H&H analysis of East Creek (please see Item 7 below).

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Item 7. East Creek Hydrologic and Hydraulic Study Update

Staff is completing a draft hydrologic and hydraulic modeling analysis of existing conditions along East Creek. Based on preliminary existing-conditions modeling, and the recently approved District-wide Stream Management Permit issued by the Regional Water Quality Control Board, staff hired a contractor to conduct full cattail rootmass removal along one hundred and twenty (120) linear feet in East Creek, starting at the Cecilia Way culvert and progressing downstream. This work was completed in October, and removed approximately 96 cubic yard of cattail root ball mass. Staff will continue to develop the modeling analysis to determine potential future conditions (i.e. 100 year event with sea level rise) and potential mitigation measures. These potential future mitigation measures could include floodwalls, sediment removal, and/or culvert modifications along East Creek. Results of these future analyses and possible mitigations will be presented to the AB for review at a future meeting.

Item 8. Schedule Next Meeting

The AB could consider scheduling the next AB meeting.