

MINUTES OF THE
FLOOD CONTROL ZONE 3 ADVISORY BOARD MEETING
HELD WEDNESDAY DECEMBER 07, 2016
AT THE TAMALPAIS VALLEY COMMUNITY CENTER
203 MARIN AVENUE, MILL VALLEY, CA 94941

<u>Advisory Board (AB) Members Present</u>	<u>District Staff (Staff) Present</u>
Robert Burton (RB), Chairperson	Chris Choo (CC), Principal Planner
Kevin Conger (KC)	Roger Leventhal (RL), Senior Civil Engineer
Garry Lion (GL)	Scott McMorrow (SM), Assistant Engineer
Charles Oldenburg (CO)	
<u>Advisory Board (AB) Members Absent</u>	
Curry Ecklehoff (CE), Vice Chairperson	<u>Others</u>
Dan Frost (DF)	
Linda Rames (LR)	

Chairperson Burton began the meeting at 6:33 p.m. with RB, KC, GL, and CO present. Two new AB members, KC and CO, were introduced.

Item 1. Approval of Meeting Minutes: June 7, 2016

RB noted a typographical error in Item 1 (Approval of Meeting Minutes: March 17, 2016): “error of page 3” should read “error on page 3”. Additionally, RB asked that the 4th paragraph of Item 3a (FEMA Hazard Mitigation Funding Opportunity) be clarified to capture the public comment that the application turn-around time for FEMA funding was short, and that staff noted that residents should be notified of potential funding at the onset of a declaration of a federal disaster.

Action by Advisory Board: Approve minutes as amended above.

M/S: GL/RB, **Ayes:** All, **Nay:** None, **Abstain:** None

Item 2. Open Time for Items Not on the Agenda

No members of the public accepted the invitation to speak.

Item 3. Brown Act Refresher Training

Staff gave a brief overview of the Brown Act that included a review of open meetings, discussion of items on the agenda, and serial meetings.

Item 4. Zone Engineer Report

a. **Coyote Creek Flood Mitigation Project Update**

i. Hydraulic Analysis and Sediment Removal Considerations in Earthen Channel

Staff reported that a freeboard hydraulic analysis of the earthen channels of Coyote Creek was recently completed, and that based on this analysis staff was not recommending to

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dredge these channels in 2017. Staff also informed the AB that for this hydraulic analysis, staff used two prior surveys conducted in 2013 and 2015 and merged them together. Staff recommended that an updated new channel bathymetric and topographic survey be conducted in 2017 and be used as the basis for further analysis. This recommendation stems from the fact that the survey data used in this most current modeling is up to three years old, and the surveying frequency for Coyote Creek should be every two years. The recommended 2017 survey and modeling would be the baseline project modelling that establishes this two-year frequency. Please see the meeting's staff report for more details.

ii. Sediment Removal in the Concrete Channel

Staff reported that due to regulatory constraints, the planned 2016 sediment removal from the concrete channel portion of Coyote Creek has been postponed until 2017. The District was informed by the Regional Water Quality Control Board (RWQCB) that additional permitting requirements would need to be met prior to conducting the work. The additional requirements include environmental mitigation that offsets the removal of sediment from the concrete channel. The District is working to comply with these requirements, and should complete the work next year.

RB asked what triggered the need for mitigation of removal of sediment from the concrete channel. RL responded that to our knowledge, the RWQCB mitigation requirement for sediment removal in the concrete channel was a new requirement that the District was verbally told by RWQCB staff was due to impacts to macroinvertebrates living in the sediment.

iii. USACE Coyote Creek Channel System-Wide Improvement Framework Update

Staff reported that a draft System-Wide Improvement (SWIF) Plan was submitted to the US Army Corps of Engineers (USACE), and that this submittal ensures that USACE will pay for damages to the Coyote Creek Flood Protection Project in a federally declared disaster. Please see the meeting's staff report for more details.

KC asked if the USACE-generated work list that was derived from USACE inspections of Coyote Creek represented the entirety of the scope of work being proposed under the SWIF Plan. Staff replied that there are additional work items that were not identified by USACE that are included in the SWIF, and that one of goals of the SWIF process was to encourage local sponsors (i.e. the District) to make system-wide improvements to USACE flood mitigation facilities.

b. Tam Valley Community Survey

Staff recommended that the Tam Valley community survey be postponed. After some internal review, staff felt it would be beneficial to develop a broader scope of work for Zone 3 that includes Tam Valley and the rest of the Zone. Please see the meeting's staff report for more details.

GL asked that if the Zone were to seek a parcel tax for future work on Coyote Creek, could the tax be considered by just Tam Valley residents, or by the entire Zone? Staff replied that no staff recommendations have been made regarding a parcel tax in Zone 3, yet there was precedent for establishing a sub-zone for parcel-tax purposes in other zones. In Zone 4, a

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sub-zone (4A) was formed specifically to establish a parcel tax for the residents of sub-zone 4A, and that this tax did not apply to the rest of the residents in Zone 4.

c. Update on Marin City Drainage Study

RL gave an update on the Marin City Drainage Study. RL reported that the District has hired Wood-Rogers, Inc. (WR) to conduct the Marin City Hydrology and Hydraulics (H&H) Flood Study. WR has been working to collect and review existing information and to build the hydraulic model of the watershed and stormdrain system. A field survey of portions of the stormdrain system has been conducted and a working H&H model will be completed in early 2017. The District is planning on having a presentation of flood reduction alternatives by WR staff at the next Advisory Board meeting.

Additionally, RL reported that to address flooding for this winter, WR has developed the following two interim deliverables:

- A 2016 Winter Stormwater Outflow Operations Plan for the stormwater pond and its outlet. The implementation of this plan requires that the existing temporary flood wall (Muscle Wall) maintained by the shopping center be fully operational (an update is provided below) and this is reliant on this work being completed by others.
- A flood drainage reduction concept plan for the open channel reach just upstream of the First Missionary Baptist Church. This site was identified by community members as a location of persistent flooding. District staff asked WR to visit this area and develop a site specific plan to reduce out of channel flooding for this coming winter. The plan consists of construction of a temporary sand bag wall just upstream of the inlet to the culvert.

A member of the public asked if the study would include looking at flooding in the watershed outside of the CalTrans roadway. RL responded that the WR Study would look at flooding in the Marin City watershed and that a meeting is planned with ShoreUp Marin in the near future to gather their knowledge of known flooding locations. The member of the public also stated that there are multiple areas that she hopes will also be studied. KC asked if there could be a map developed that delineated areas of flooding. RL responded that there would be a map and modeled flooding locations. RB asked if roadway access to Marin City during flooding would be part of the study. RL stated that roadway access would be part of the study. A member of the public stated that it seems that maintenance needs to be looked into regarding flooding. RL responded that maintenance of public drainages would likely be a part of the solution to flooding in the area. KC suggested that there be some community outreach to help inform residents about the need to keep drainages clear of debris to help prevent flooding.

d. Update on the Marin City Shopping Center Flood Reduction Work

RL updated the AB on Marin City Shopping center Flood Reduction Work, which includes WR visiting the site and preparing an evaluation of the existing muscle wall and recommending several corrective measures to maintain the flood protection integrity of the wall for this upcoming flood season. Please see the meeting's staff report for more details.

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e. Update on Manzanita Flood Mitigation Project

RL reported that District staff has been working with Caltrans staff over the past several months to develop flood reduction strategies for the Manzanita area. RL outlined broad-based concepts for Short Term (i.e. temporary solutions to address direct bay flooding), Medium Term (i.e. permanent solutions to both high tide and stormwater flooding under current conditions), and Long Term (i.e. permanent solutions to both high tide and stormwater flooding under future conditions).

RL reported that there are two drainages (eastern and western drainages) that contribute to flooding in the area. The District has implemented one short term solution for the western side drainage flooding - a sand bag flood mitigation wall to address flooding from the western drainage. The District hopes to work with CalTrans on a permanent medium term solution to potentially include a new tide gate at the west side drainage inlet or a new culvert with a tide gate on this western drainage. RL stated that long term solutions to address rain and tidal flooding under sea level rise conditions will be expensive and likely require outside funding and are not under current study.

f. Update on Bothin Marsh Pilot Project

RL reported that in 2015, the District was awarded a small grant by the North Bay Watershed Association (NBWA) to do a first cut assessment of the feasibility of directly reusing dredged sediments from the middle and upper reaches of Coyote Creek on Bothin Marsh. The study is expected to be completed in early 2017. RL plans to present findings at a future Zone meeting.

g. FEMA Community Service rating System

Staff updated the AB on the Community Rating System (CRS), and explained that under the current Marin County CRS rating, residents in unincorporated Marin receive a 15% reduction in their flood insurance premium. RL explained that Main County was 182 points short of increasing flood insurance premium reductions to 20%. Please see the meeting's staff report for more details. There was a question from the AB regarding the City of Mill Valley's participation in CRS. A staff member from the City of Mill Valley was present in the audience, and responded that the City is currently not a member in the FEMA CRS program.

Item 5. Watershed Program Update

a. Marin Bay Waterfront Adaptation Vulnerability Evaluation (BayWAVE)

CC updated the AB on the Marin BayWAVE project. BayWAVE recently completed an internal draft sea level rise vulnerability assessment for the entire bay shoreline of Marin. The project partners, the County's Public Works and Community Development departments, have begun the process of understanding what is exposed with a number of sea level rise scenarios. The goal of the project is to bring the best available science to a coordinated effort to inform and plan for the future. The project links all the cities and towns, local and regional agencies, and the resource agencies involved with planning and permitting. This study largely outlines the vulnerabilities countywide, and adaptation will be part of a future

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phase of the project. A wide variety of stakeholder agencies are involved in the project and BayWAVE hopes to release a draft of the study for public comment in 2017.

b. Video of Arroyo Corte Madera del Presidio Watershed

CC presented the final version of the video. Sound Visions Media (Jeff Foster) and Sam Goldberger partnered to develop this video of the Arroyo Corte Madera del Presidio Watershed. The footage was shot mostly from drones that allow the viewer to see what the watershed looks like from above and how water moves through the community.

c. Southern Marin Watershed Guide Presentation

CC presented The Southern Marin Watershed Guide to the AB, and noted that the guide is available for download on www.MarinWatershed.org. The final guide is intended to support awareness and interest in understanding where we live in the watershed and how to better live with water and prepare for flooding.

RB stated that this guide is an invaluable resource.

Item 6. Schedule Next Meetings

Per the Zone 3 Bylaws, the annual Advisory Board meeting is scheduled for March 16, 2017. The meeting was adjourned at 8:08 p.m.