

**Marin County Flood Control and Water Conservation District**

**FLOOD CONTROL ZONE 4 ADVISORY BOARD MEETING**  
**OCTOBER 20, 2016**

**REVISED STAFF REPORT**

**Item 1. Approval of Meeting Minutes: August 11, 2016**

**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. Update on Current Zone 4 Projects**

**Cove Pump Station**

At the August 11, 2016 Advisory Board meeting, the Advisory Board (AB) recommended that the 36-foot long, 36-inch diameter Corrugated Metal Pipe feeding directly into the wetwell be repaired. This pipe was identified in the Schaaf & Wheeler Cove Pump Station Study as needing an expedited repair (previously identified as PIPE\_390). Also, the AB recommended that a minor repair to the trash rack be made. The pipe repair was been completed using trenchless, close-fit pipe repair technology. Additionally, the repair to the trash rack has been completed. The cost for these repairs is \$19,404.00, which came in lower than the estimated cost of \$23,000.

Also at the August meeting, the AB recommended that the pumps in the pumps station be fitted with backup mechanical on/off float valve technology. A contractor has been hired to install the mechanical on/off float valve technology at a cost of \$4,836. The cost for this item came in at less than the \$15,000 proposed in the Schaaf & Wheeler Study, and the work should be completed in October.

Using part of the savings from the pipe repair and float valves work, an independent Electrical Professional Engineer is being hired to conduct a review of the pump station's electrical system. The scope of this work includes conducting a site visit and inspecting the pump station, developing a one-line diagram of the electrical system, setting up monitoring equipment and analyzing monitoring data, and preparing a written report. This bid for this work is \$4,510 and the work should completed in October.

At the August meeting, the AB recommended an upgrade to the pump station. The Request for Proposals (RFP) for designing the upgrades to the Cove Pump Station has been released. The due date for potential consultants to submit a proposal is October 24, 2016. The tentative date for completion of the design is September 2017.

**East Creek Hydrology and Hydraulic Analysis**

At the August meeting, the AB recommended that a study of East Creek's hydrology and hydraulics be undertaken to determine the potential need for flood mitigation projects in and/or along the creek. This project involves a topographic survey, and hydrologic and hydraulic modeling that will help determine the flow capacity of East Creek under various rainfall and tidal events. Staff is currently

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working on the hydrologic modeling of the East Creek watershed. A topographic survey of the creek should be completed in late October. Once the survey is complete, staff will conduct hydraulic modeling of the creek under various riverine flow and tidal events. The study is scheduled to be complete by the end of December. Costs for this project will be offset with the savings realized with the Cove Pump Station mechanical float valve and pipe repair projects stated above. The net savings available for the study is \$9,250. As of the date of this report, staff is negotiating the cost for the topographic survey, and staff anticipates the cost will be under the net savings that has been realized from the above stated projects. The modeling will be conducted in house, and the cost for that work is estimated to be \$6,000.

### **Other Zone 4 Events**

Staff will be mailing an educational flyer to the residents of Zone 4 that describes the need for keeping leaves and debris out of creeks, roadways, and drainage structures.

On 9/1/16, staff conducted a Zone 4 tour with AB Member Oliver. The tour consisted of a visit to the Zone's pump stations, and a review of the Zone's creek maintenance program.

On 9/16/16, staff conducted a Zone 4 tour with AB Members Barteau and Newman. The tour consisted of a visit to the Zone's pump stations, and a review of the Zone's creek maintenance program.

### **Item 4. Information About the District-wide Maintenance Program**

Staff will give a presentation of the District's maintenance program.

### **Item 5. Report from Ad Hoc subcommittee of John Leszczynski and Kathryn Oliver on settlement of Blinds and Designs et al v. Marin County Flood Control and Water Conservation District litigation.**

The Ad Hoc committee will present a report.

### **Item 6. Schedule Next Meeting**

Per the AB approved Zone 4 bylaws, the next annual meeting is scheduled for March 9, 2017. This March date is the revised annual meeting date that is scheduled to be approved by the Board of Supervisors this November.

The Advisory Board and staff will discuss preferred interim meeting times as needed.