

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

**FLOOD ZONE 1 ADVISORY BOARD MEETING**  
**NOVEMBER 6, 2008**

**STAFF REPORT**

The following is a staff report for the items listed on the Agenda for Flood Zone #1 Advisory Board (AB) meeting on November 6, 2008:

**Item 1. Approval of Meeting Minutes for February 28, 2008**

**Action By Board:** Advisory Board members will review meeting minutes from the February 28, 2008 meeting, make corrections, and approve minutes as corrected.

**Item 2. Open Time for Items Not on the Agenda**

Comments will be heard for items not on the agenda.

**Item 3. Review New By-Laws**

At the last AB meeting your board recommended approval of a set of draft by-laws. Subsequently, the draft by-laws for your zone and other zones were reviewed by County Counsel. It was found that many discrepancies existed between by-laws for each zone, existing Board of Supervisors (BOS) Resolutions regarding the administration of zones, and state laws. Several changes were made to the by-laws to provide consistency. In addition, all previous resolutions on this matter were rescinded. Attached for your review is a copy of the approved resolution and staff report to the Board of Supervisors for Zone 1 and Zone 7 by-laws. Staff is working to have the BOS review and adopt revised by-laws for all zones.

**Item 4. Watershed Management Program**

To develop local agency support and participation for this project there have been several meetings with the City of Novato, North Marin Water District, and Novato Sanitary District. The Novato City Council and boards of both the Water District and the Sanitary District will be agendaizing this item in November or early December to determine level of support and participation. Once level of involvement of these important stakeholders is determined, the stakeholder involvement process will begin. For more details please see the attached staff report submitted to the Novato City Council last month.

**Item 5. Novato Maintenance Dredge Project**

**Scope:** The purpose of this project is to perform maintenance dredging to remove approximately 40,000 cubic yards of accumulated sediment in Novato Creek, Warner Creek, and Arroyo Avichi. The project reach is from Diablo Ave. downstream to approximately two hundred feet below the Railroad Trestle.

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The construction contract was awarded to Blue Iron, Sacramento. The District executed a separate contract with Waste Management Inc. (Redwood Landfill) to accept clean dredge material from the project.

Prior to completion of the project, North Coast Railway requested that we allow the cofferdam to remain in place to facilitate repairs to trestle bridge. A no cost agreement was reached between the District and the Railway to have their contractor, Cooper Crane and Rigging, remove the coffer dam prior to October 31st. The trestle repairs include raising the rail decking, and the supporting structure and repairing trestle pilings. Cooper removed the coffer dam after completing the portion of work that required work in the creek bed in late October.

**Schedule:** The Construction Contract was awarded on June 17, the Notice to Proceed was mailed on June 25; the first contract working day was July 9 with 84 working days. Dredging was completed on September 30, 2008.

**Cost:** The Construction Contract award amount, including a 10 percent contingency, was \$1,087,020. Estimated final billing for Construction Contract is \$988,200. Estimated final billing for disposal cost at Redwood Landfill is \$123,000.

### **Item 6. Vineyard Creek Flood Control Improvements**

**Scope:** This project is designed to improve flood conveyance and fish habitat and passage in Vineyard Creek from 200 feet downstream of McClay Road to 720 feet of upstream of Center Road. This is a joint project between the District and the City of Novato

Due to delays in obtaining construction easements this project has been split into two phases. Phase 1 of the project begins 200 feet below McClay Road Bridge and ends 200 feet above Center Road Bridge. Phase 2 of the project begins at the upstream limit of Phase 1 and ends 720 feet above Center Road Bridge.

The construction contract for Phase 1 was awarded to Maggiora & Ghilotti, Inc., San Rafael.

**Schedule:** The Construction Contract for Phase 1 was awarded on June 17, Notice to proceed was mailed on June 25, the first contract working day was established as July 1 with 90 working days. Re-vegetation is scheduled to begin this fall. Phase 2 construction is scheduled for next summer.

**Cost:** The Phase 1 Construction Contract award amount, including a 15 percent contingency, was \$2,027,609 for Zone 1 and \$797,242 for the City, for a total of \$2,824,851. Estimated final billing for Construction Contract is \$1,889,967 for Zone 1 and \$713,875 for the City, for a total of \$2,603,842.

### **Item 7. Flood Zone 1 – Planning and Project Priorities**

Due to loan repayment obligations the Zone is limited in the amount of work it can undertake in the next 4 years. Staff recommends the following priorities:

1. Vineyard Creek Re-vegetation – Fall 2008
2. Support/Participate in the watershed Management Plan – Ongoing

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3. Vineyard Creek Phase 2 – Summer 2009
4. Novato Creek Maintenance Dredge Project – Summer 2012
5. Ongoing Maintenance

**Item 8. Summer Maintenance/ Winter Preparedness**

Lynwood Pump Station

With the postponement of the reconstruction of Lynwood Pump Station, staff procured the services for the following deferred maintenance items:

1. Replaced deteriorated discharge pipes with HDPE pipes,
2. Dredged sediment from wet well,
3. Dredged 350 feet of sediment from the intake channel,
4. Replaced corroded trash rack and support rails.

Rush Creek Tide Gate

There are several tide gates on the levee that cross Rush Creek near Cemetery Marsh that regulate flow to enhance wildlife habitat and provide storage for flood protection during high tides and heavy rainfall. The support brackets for one of the gates failed during routine maintenance last winter. This October repairs were made and the gate is back in service.

Summer Maintenance

Creek maintenance began in May with Marin Conservation Corps and was completed at the end of October. The goals of the creek maintenance work are to maintain channel flows by reducing obstructions, to enhance habitat where possible, and to provide erosion control where needed.

**Item 9. Schedule Next Meeting**

Advisory Board members will set a date for the next meeting.