

FLOOD CONTROL ZONE 9 ADVISORY BOARD MEETING

**APRIL 19, 2016
SAN ANSELMO TOWN HALL**

STAFF REPORT

Item 1. Approval of Meeting Minutes for December 15, 2015

Action by Board: Advisory Board members will review meeting minutes from the December 15, 2015 meeting, make corrections, and approve the minutes as corrected.

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).

Item 3. Ross Valley Flood Protection and Watershed Program Update

a) **Department of Water Resources Grant: Analysis of Replacement Project Alternatives**

Background

The San Anselmo Flood Protection Project originally included a multi-use detention basin at Memorial Park in San Anselmo, but a voter initiative passed in November 2015 removed it from further consideration. A grant from the California Department of Water Resources (DWR) was awarded to the Memorial Park Project and the grant can be transferred to a different project if it meets the requirements of the grant.

Recent Accomplishments

District and Town of San Anselmo staff worked with CH2M to prepare a draft analysis of replacement project alternatives for the Memorial Park Project which included evaluating three (3) alternative projects and their approximate costs. The draft analysis was presented to the Technical Work Group (TWG) on March 30, 2016 and a fourth, no detention basin, alternative was added based on discussions at the meeting.

Current Efforts

CH2M will present the four alternatives and their approximate costs at the April 19, 2016 Advisory Board (AB) meeting.

Upcoming

Staff will meet with DWR to explain the analysis of replacement projects and confirm the requirements for transferring the grant to a different project.

Recommended Action

Recommend that the four project alternatives described in the technical memorandum *Analysis of Project Alternatives for DWR Grant* be presented to DWR for consideration of receiving grant funds originally intended for the Memorial Park Project.

b) **Creek Maintenance Program**

Background

Marin County Flood Control and Water Conservation District

Each year the District undertakes various Creek Maintenance activities within incorporated and unincorporated areas of Ross Valley Flood Control Zone 9.

Recent Accomplishments

The District undertook or funded creek maintenance activities in FY 15/16 within the incorporated and unincorporated areas. Fiscal Year 15/16 accomplishments included providing \$35,000 in funding to the municipalities to undertake creek vegetation maintenance addressing over two dozen identified sites within Larkspur, Ross, San Anselmo, and Fairfax. These sites included removal of 40 cubic yards of vegetation from San Anselmo Creek between Nokomis Bridge and downtown Barber Street Bridge. Several dead or dying trees were removed from within District owned lands adjacent to the concrete channel, fire Fuel reductions were completed including within the earthen channel section upstream from Bon Air Road Bridge, and flap gates were checked and serviced as needed throughout the Corte Madera Creek earthen and concrete channel reaches. In addition, the District supported the Sleepy Hollow Creek Cleanup effort led by the local community.

Current Efforts

The District will be engaging representatives from each city and town to discuss ways to continue to improve and expand the program going forward. The District is considering development of an electronic database to better catalogue past and future targeted creek maintenance activities and efforts.

Upcoming

The District has proposed increasing the Creek Maintenance Program Fiscal Year 16/17 budget within incorporated areas from \$32,500 to \$51,000 and similarly increasing the Fiscal Year 16/17 professional services and maintenance & repair services and supplies budget within unincorporated areas and/or District lands from \$51,800 to \$73,800. The proposed budget increase within incorporated areas includes an additional \$5,000 for creek assessment contract work, \$2,000 for Regional Water Quality Control Board consultation for permitting additional debris removal activities, and an additional \$15,000 added to the \$30,000 Memorandum of Agreements with municipalities for performing additional creek maintenance and/or emergency work within incorporated areas. The full scope of additional work to be considered will be developed following in-creek assessments and discussions with the cities and towns.

The proposed budget increase within unincorporated and/or District lands includes an additional \$22,800 for designing, permitting, and undertaking a concrete repair pilot within the concrete channel.

Recommended Action

None - funds for the Creek Maintenance Program, as described above, would be provided with the Advisory Board's recommendation of the FY 16-17 budget under *Item 5. Annual Budget (FY 2016-2017) & Work Plan.*

- c) Lower Corte Madera Creek Improvement Project (Dredge) Phase 1
Proposal: Hillview Neighborhood Drainage Improvements (Larkspur)

Background

This project is one of several Baseline Measures identified in the Ross Valley Watershed 10-Year Work Plan and is currently in the feasibility and planning phase. Project components include dredging, levee improvements, and associated interior drainage improvements

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On May 20, 2015 a draft Memorandum of Understanding was presented to the Zone 9 Advisory Board with a discussion that the pump station being designed by City of Larkspur as part of the Bon Air Road Bridge Replacement was identified as having potential to reduce the future dredging footprint within Corte Madera Creek. Input received included recommendation for refining the Memorandum of Understanding and presenting a cost-share agreement for a specific project between the District and the City of Larkspur.

Other project components including dredging, levee improvements, and associated interior drainage improvements were deemed eligible for funding under the Local Levee Assistance Program (LLAP) grant through Department of Water Resources. As part the grant submittal the District identified approximately \$400,000 for field surveys, hydrology and hydraulic analyses, and evaluation of levees along Lower Corte Madera Creek downstream of the concrete channel which would be reimbursed up to 55% via the Department of Water Resources (DWR) LLAP program. Staff expects to receive final word concerning the award of the grant this summer.

Recent Accomplishments

The City and District held several meetings to discuss a project proposal incorporating use of the new pump station designed as part of the Bon Air Road Bridge replacement project and the abandonment of several storm drainage outfalls draining to Corte Madera Creek earthen channel from the Hillview neighborhood. The proposal has the potential to reduce the future dredging footprint within Corte Madera Creek. The storm drainage flow from the abandoned outfalls would be redirected through the new proposed pump station along Bon Air Road. The City has a developed a design scope for a cost of \$60,081.07. The proposal includes developing several design alternatives for drainage in the area. Plans, specifications, and cost estimates would then be developed for the chosen alternative.

Current Efforts

- 1) District staff is still working with the City of Larkspur to finalize a cost share agreement that includes terms specifically for the proposed pump station project in the Hillview neighborhood. Please see a map of proposed project area enclosed as Attachment A. This agreement will be presented to the Advisory Board for their recommendation at a future meeting prior to presenting for formal adoption by the Larkspur City Council and Flood Control District Board of Supervisors.
- 2) District staff along with District consultant, Watershed Sciences, is currently working on a "geomorphic dredge" approach along Lower Corte Madera Creek and has collected available data needed for the study. Although data have so far been inconclusive, staff is continuing to evaluate if there is a channel geometry that would be in equilibrium with the available tidal prism. Identifying and constructing a channel which is in equilibrium could greatly reduce or eliminate the need for future regular dredging. A final report is expected by the end of 2016.

Upcoming

The initial scope proposed by the City specifies an analysis and engineering design for redirecting the Hillview development's current stormdrain discharge located to the northwest of Bon Air Road Bridge in the City of Larkspur to a new stormwater pump station. In addition, the analysis will assess ways for mitigating potential drainage impacts arising from the adjacent Bon Air Road Mitigation project. The proposal includes research/survey work, a drainage report, conceptual and final designs, and bid documents for construction. Environmental services and construction are not included in the scope of the proposal.

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Recommended Actions

None – At this time, \$20,000 of the \$60,081.07 in funds for this project would be provided to the City to develop design alternatives with the Advisory Board's recommendation of the FY 16-17 budget under *Item 5. Annual Budget (FY 2016-2017) & Work Plan*. The proposed budget amount for FY 16/17 includes funding Boundary Research and Survey, Field Surveys, Utility Research, Supplemental Drainage Report, Conceptual Design services plus an approximate 20% contingency. Funding for the remainder of the proposal cost will be considered at a later date following the completion of design alternatives.

d) **FEMA Hazard Mitigation Funding Opportunities**

Background

Last fall, the California Valley and Butte Fires led to the declaration of a major disaster. As a result, the Federal Emergency Management Agency (FEMA) has made available hazard mitigation assistance to the State of California Office of Emergency Services (Cal OES).

Recent Accomplishments

The District submitted notices of interest to use grant funding for the Marin County Structure Elevation Program and the District received an invitation from Cal OES to submit a full application by June 2016. The program would assist individual homeowners raising their homes above the FEMA base flood elevation by reimbursing 75% of their costs via the federal grant.

Costs to design and construct home elevations vary, but for reference may range between \$100,000 and \$250,000, including temporary relocation costs. Thus, homeowner contributions would be \$25,000-\$62,500 per structure. Application costs to Zone 9 will vary depending on the method of outreach and number of applicants, but an initial estimate for budgeting purposes is \$25,000 in staff time and/or consultant costs.

The Technical Work Group (TWG) met on March 30, 2016 and discussed potential neighborhood locations in the Ross Valley that might best meet the unique requirements of the grant opportunity.

Upcoming

Grant application will be prepared for at least one resident and up to 25 residents in Zone 9. Elevation projects are considered automatically cost-effective by FEMA if they are located in the FEMA 100-year floodplain and cost less than or equal to \$175,000 (local multiplier may be applied using industry-accepted cost and pricing guides for construction). Meeting the cost-effective standard is only a minimum requirement to be eligible for the program and does not mean that the project is automatically funded. The entire FEMA budget for Marin County is \$4 million and therefore the number and amount per home is subject to FEMA cost limits depending on the number of home applications and soft costs.

Recommended Action

None - \$25,000 in funds for this project would be provided with the Advisory Board's recommendation of the FY 16-17 budget under *Item 5. Annual Budget (FY 2016-2017) & Work Plan*.

e) **Announcement of Upcoming Public Meetings**

A Corte Madera Creek Walk along the Army Corps Project from Lagunitas Road to Kentfield Rehabilitation Hospital is scheduled for April 20th, 2016 at 6:00 PM to 7:30 PM. Please meet at the

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Ross Post Office, 1 Ross Common in Ross. Please bring sturdy footwear, come with questions and learn more about the projects while walking along the creek. RVSP by April 18th by emailing Hugh Davis at hdavis@marincounty.org.

Congressman Jared Huffman is holding a community meeting from 5:30 PM to 7:30 PM on April 25, 2016 at the Ross School Gymnasium located at 9 Lagunitas Road in Ross, to discuss the U.S. Army Corps of Engineers (Units 2, 3, and 4) project. District and Corps staff will provide a presentation on the project and discuss future opportunities the community will have for selecting a preferred improvement alternative. This meeting will also provide an opportunity for the community to ask questions and talk one-on-one with project planners and engineers.

Staff will be participating in the Kentfield Greenbrae Community May Day Celebration and will be available to answer questions about the Ross Valley Flood Protection & Watershed Program, as well as specific projects in the program. The event is Saturday, May 7, 2016 between 11 am and 2 pm at the Kent Middle School Campus.

Item 4. Project Status Updates:

a) U.S. Army Corps of Engineers Corte Madera Creek Project (Units 2, 3, and 4)

Keep informed of the latest by visiting the project webpage at:

http://www.marinwatersheds.org/documents_and_reports/USACECorteMaderaCreekProject.html

Background

The current project includes a feasibility-level design of improvements to Corte Madera Creek from Sir Francis Drake Bridge in Ross to the downstream end of the concrete channel in Kentfield to contain flood flows. The Project Design Team (PDT) for the Corte Madera Creek Units 2, 3 and 4 Project consist of the U.S. Army Corps of Engineers – San Francisco Office (USACE) and the District.

Recent Accomplishments

The USACE's local district office and District have worked to identify preliminary conceptual alternatives for achieving the project's flood risk reduction goals and received concurrence from USACE Headquarters in D.C. to continue study of the alternatives. A suite of preliminary conceptual alternatives to achieve the project's flood risk reduction goals was submitted by the USACE's local district office to USACE Headquarters (HQ) in Washington, D.C. in October 2015 and was later reviewed by the USACE Headquarters. The PDT received HQ's concurrence that the conceptual alternatives were acceptable and could be studied further.

On December 23, 2015, the environmental review process for the project began with the release of the Notice for the Preparation/Intent and Notice of Scoping Meeting of a joint Environmental Impact Statement/Report (EIS/EIR) for the project. This document includes a description of the project. A Public Scoping meeting was held on January 28, 2016 to describe the environmental review process, to provide an overview of the project and to take comments from the community on potential environmental effects to be addressed in the EIS/EIR. The purpose of this public scoping session was to provide individuals, organizations and regulatory agencies an opportunity to raise concerns about the potential environmental effects of the project. Comments were recorded and made part of the formal EIS/EIR record.

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Current and Upcoming Efforts

The PDT previously hired an environmental consultant and has begun the environmental review process for the project according to both the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA). Comments received during the comment period will be addressed in the draft environmental documents that will be prepared later this year.

Over the past winter, District staff and Stetson Engineers have been monitoring water and sediment levels in the concrete channel portion of Corte Madera Creek. Although the region has seen steady rainfall over the winter there have been no high flow events that would have been used to refine Stetson's hydraulic model during the technical design phase of the project.

The PDT has begun the next phase of the project to reach Milestone 2, which will include preliminary technical analyses of the alternatives in order to compare effectiveness and costs and further screen out the alternatives. This will result in what is called the "Tentatively-Selected Plan," which is scheduled to be developed in order to meet Milestone 2 by the end of 2016. The draft Environmental Impact Statement/Environmental Impact Report document will also be released for public review as part of this milestone.

Public outreach efforts have begun to help inform the public, to listen to their ideas and concerns and to help guide the project. Creek walks, public town hall meetings and neighborhood workshops are being planned moving forward. (See staff report Item 3e. *Announcement of Upcoming Public Meetings.*)

Although placed on the tentative award list, the District is still awaiting funding reimbursement of the local District cost share for planning and design of the U.S. Army Corps of Engineers Corte Madera Creek Project (about \$1.5 million) through DWR's Local Levee Assistance Program (LLAP) which is expected to be awarded in 2016.

b) Bridge Replacements in Fairfax, San Anselmo, and Ross

1) Azalea Avenue Bridge Replacement in Town of Fairfax

In December 2015 the Board of Supervisors approved a cost sharing agreement with the Town which will provide assistance with non-reimbursable costs for the project. The Town issued a Request for Proposals (RFP) to procure the services of a design consultant and is currently in negotiation to award the contract.

Visit the project webpage <http://fairfaxbridges.com/about/azalea-avenue-bridge/> for more information on the project and any upcoming public meetings.

2) Bridge Replacements in Town of San Anselmo

Building Bridge 2

The Town of San Anselmo is actively assessing funding options for removing Building Bridge 2, as well as sediment, debris and other obstructions in the creek in the vicinity of downtown San Anselmo. Potential options include applying for FEMA Hazard Mitigation Grant funds, as well as the DWR grant previously intended for the Memorial Park Project. (See staff report *Item 3a. Department of Water Resources Grant: Analysis of Replacement Project Alternatives.*)

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Nokomis and Madrone Bridge Replacements

In order to account for various possible design flows, additional hydraulic scenarios are being considered as part of the bridge design process. Specifically, the project design team and the Town are planning to design for hydraulic scenarios which consider all in-channel measures in the 2011 Capital Improvement Plan (CIP) implemented without upstream detention. A second scenario will consider all CIP in channel measures to be implemented with some upstream detention. These scenarios will guide the team in establishing the appropriate profile grade for the bridges taking into account water surface elevation and project impacts. Once these two scenarios are evaluated, the team will make a recommendation to the Town concerning the appropriate design hydraulic scenario assumption for the projects.

The Project Design Team has also worked with a geomorphologist to evaluate appropriate strategies for channel mitigation and stabilization. Once the hydraulic scenario is selected and the channel improvements have been refined, the technical studies will proceed as part of the environmental process. Additional geotechnical borings are also being planned on adjacent private property. The next public meeting is targeted for this fall.

The Town applied for project management costs to be reimbursed by Caltrans as part of the preliminary engineering phase of the project. However, Caltrans responded that, due to the high costs of the engineering phase compared to construction, any additional requests for reimbursement of project management costs would be denied. The Town is planning to appeal this decision due to the unusual site and project circumstances, such as unknown future hydraulic scenarios, nearby structures, and the environmental importance of the creek. Staff has included the costs for project management for all the San Anselmo bridges in the Zone 9 budget projections. These costs were previously included as reimbursable by Zone 9 flood fees in the cost sharing agreement between the District and the Town that was approved by the Board of Supervisors. If the Town is successful in appealing the decision the project management costs could then be submitted to Caltrans as eligible reimbursable expenses.

Visit the project webpage sananselmobridges.org for more information on the projects and any upcoming public meetings.

Center Boulevard/Sycamore Avenue Bridge Replacement

The project design team and Town have developed potential alternatives for the bridge replacement and a feasibility report was delivered to Caltrans. Due to the proximity of Bridge Avenue bridge to the new Center Avenue Bridge alignment, the team believes that Bridge Avenue Bridge also needs to be replaced in order to meet Caltrans own bridge design requirements. The team is currently working with Caltrans to obtain an agreement on scope and funding for the next phase of the project before proceeding further.

Visit the project webpage sananselmobridges.org for more information on the projects and any upcoming public meetings.

3) Winship Avenue in Town of Ross

The project design team held a Public Meeting with the Ross Town Council on February 9th, 2016 to present the project and is investigating alternatives to minimize impacts to adjacent

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properties as suggested by Town Council. As with the San Anselmo bridges, additional hydraulic scenarios are being considered. Additional geotechnical borings are also being planned on an adjacent private property. The project design team has worked with a geomorphologist to evaluate appropriate strategies for channel mitigation and stabilization. Once the hydraulic scenario is selected and the channel improvements have been refined, the technical studies will proceed as part of the environmental process. The next meeting for obtaining community input on alternatives is targeted for this fall.

Visit the project webpage <http://www.townofross.org/publicworks/page/winship-bridge-replacement-project> for more information on the project and any upcoming public meetings.

c) Detention Basins

1) Phoenix Lake IRWM Retrofit Project

Background

This project will modify an existing Marin Municipal Water District (MMWD) dam and reservoir for use as a flood control facility. Currently, multiple feasibility studies are in process to evaluate the suitability of the dam and reservoir for this purpose and to estimate the cost.

Recent Accomplishments

The following technical memos are being developed by staff with the help of Stetson Engineers:

- Probable Maximum Precipitation and Probable Maximum Flood (flow) at Phoenix Lake and evaluation of whether the existing spillway has enough capacity for this flow
- Long-term Yield Study
- “Real time” operation of Phoenix Lake for flood control operations
- Suggested guidelines for MMWD to operate Phoenix Lake for water supply
- Lake draw-down capacity of the existing 30” outlet through the dam

Current Efforts

AECOM is working to finalize the geotechnical engineering study. District, MMWD and CH2M are reviewing the Long-term Yield Study.

Stetson Engineers is finalizing the review comments related to the “real time” operation of Phoenix Lake for flood control operations, suggested guidelines for MMWD to operate Phoenix Lake for water supply, and the lake draw-down capacity of the existing 30” outlet through the dam.

Stetson Engineers is also preparing a technical memo describing the Coordinated Operations Plan for operation of Phoenix Lake as both a water supply reservoir and flood control facility.

Upcoming Work

AECOM will prepare feasibility-level design and cost estimates for the dam retrofit alternative. Stetson Engineers will prepare technical memos evaluating options for modifying or replacing the spillway and outlet works for the dam. These options will be presented to the public for comment before the selection of a final design.

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Recommended Action

None.

2) San Anselmo Flood Protection Project

See item 3.a) above.

3) Lefty Gomez Dual-use Detention Basin

Background

This project will modify an existing playfield at White Hill Middle School in Fairfax for use as a site for detaining stormwater, as well as continued use as a playfield.

Recent Accomplishments

Completed the preparation and peer review of the Geotechnical Engineering Analysis and Conceptual Design Report by URS Corp. which included an updated cost estimate. The peer review was performed by CH2M-HILL.

The geotechnical investigation included taking soil samples at eight (8) locations, installing three (3) groundwater monitoring wells, testing of the soil samples, collection of groundwater level data, sediment loading analysis, engineering analysis to evaluate the feasibility of the project, preparing an updated conceptual plan, and preparing an updated cost estimate.

Overall, the report indicated that the site is feasible for the proposed project, but recommended the following changes to the previous plan:

1. Use 3:1 side cut slopes instead of 2:1 for better long-term stability.
2. Raise the bottom elevation of the basin by two feet to improve the subdrainage system operation.
3. Use an earthen diversion structure with soil foundation treatment in the creek instead of a concrete diversion structure because of the variable bedrock condition and flatten the diversion structure face slopes to 3:1.
4. Include a permeable material layer under the grass surface and add transverse pipes to the subdrainage system to improve the subdrainage system operation.
5. Change the type of erosion protection on the weir between the creek and the detention basin.

The sediment loading analysis estimates less than one inch of sediment will remain in the detention basin after use.

The updated cost estimate by URS Corp. was significantly higher than previous cost estimates due to the availability of geotechnical data and more detailed estimating procedures. The cost estimate in the final report is \$12.9 million and should be considered to have a cost range of -30% to +50%, or \$9.0 million to \$19.4 million because of the conceptual status of the design. The updated cost estimate was peer reviewed by CH2M-HILL and their cost estimate equaled \$17.4 million with the same % cost range equaling \$12.2 million to \$26.2 million. Subsequently, it is assumed that new play fields would be constructed at the north end of the White Hill Middle School campus as mitigation for the loss of playfield area at Lefty Gomez Field due to the detention basin construction. Staff estimated the cost of the new playfields equals approximately \$3.9 million. The new

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playfields increases the cost estimate to \$21.4 million with a cost range of \$16.1 million to \$30.1 million.

The Geotechnical Engineering Analysis and Conceptual Design Report is available for review on the Lefty Gomez page of the Ross Valley Program website at www.rossvalleywatershed.org.

The District held a well-attended meeting at White Hill Middle School on the evening of February 4, 2016 to provide information on the project, as well as take questions and obtain feedback from the community.

Current Efforts

None at this time, except this project is included in the preparation of the Program Environmental Impact Report (PEIR) along with other potential projects identified in the Capital Improvement Plan.

Upcoming Work

No upcoming work scheduled at this time. Since any particular design for the Lefty Gomez Project will be determined, in part, by the presence of other detention sites, additional assessment at this site has been deferred until assessments can be made at other potential sites, including the nearby former nursery growing grounds.

Recommended Actions

None.

4) Loma Alta Dual-use Detention Basin

Background

This project would add a detention basin in Fairfax to the County Parks & Open Space property at Loma Alta and possibly partially on the White Hill Middle School property. There are two alternative sites being considered which are in close proximity to each other at the end of Glen Drive. At the September 2015 Advisory Board meeting, it was recommended by the Advisory Board that the project be retained as a Baseline Measure Project.

Recent Accomplishments

This project was confirmed as a possible site for a detention basin in the 2015 Flow Reduction Study, but designated as a backup site to other detention basin sites which scored higher in the evaluation criteria.

Current Efforts

None at this time, except this project is included in the preparation of the Program Environmental Impact Report (PEIR).

Upcoming Work

No upcoming work scheduled at this time. Since any particular design for the Loma Alta Project will be determined, in part, by the presence of other detention sites, additional assessment at this site has been deferred until assessments can be made at other potential sites, including the nearby former nursery growing grounds.

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Recommended Action

None.

5) Deer Park Dual-use Detention Basin

Background

This project would modify a playfield at an existing school owned facility in Fairfax for dual-use as a stormwater detention site, as well as continued use as a playfield. The proposed detention site would be located on the school's property and adjacent to undeveloped watershed property owned by MMWD.

Recent Accomplishments

None.

Current Efforts

District is negotiating Memorandum of Understandings (MOUs) with MMWD and Ross Valley School District (RVSD), the owner of the parcel, to perform feasibility studies.

Upcoming Work

The project is included in the preparation of the PEIR. Feasibility studies will be performed when both MOUs are executed.

Recommended Actions

None.

6) Former Nursery Growing Grounds Detention Basin

Background

This project would construct a new detention basin on a seven (7) acre parcel in Fairfax that was previously used as a nursery growing grounds.

Recent Accomplishment

An appraisal by an independent appraiser was prepared.

Current Efforts

District staff is discussing possible purchase of the parcel and obtaining permission from the property owners to perform feasibility studies.

Upcoming Work

Perform feasibility studies which include geotechnical and possible groundwater investigations.

Recommended Action

None.

d) Morningside Neighborhood Flood Study (New Item)

At its last meeting, the Advisory Board recommended that Stetson Engineers perform a study of the Morningside Neighborhood area. The scope of the work includes completing field surveying,

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hydraulic modeling, and conceptual design work to contain the 25-year flood from above Broadmoor Avenue to below Mountain View along Sleepy Hollow Creek. Staff prepared an amendment to the existing contract with Stetson Engineers which was authorized by the Board of Supervisors in March 2016. The study will be performed in 2016 as a task under this amended contract.

Item 5. Annual Budget (FY 2016-2017) & Work Plan:

Background

The Zone 9 budget for FY 2016-2017 (begins July 1, 2016 and ends June 30, 2017) will be presented to the Board of Supervisors at a hearing this spring. Staff will present the enclosed proposed budget to the Advisory Board for review and their recommendation to the Board of Supervisors. This budget assumes a 3% increase in Ross Valley Storm Drainage Fee Amounts in Fiscal Year 2016/17.

Recent Accomplishments

The District and three members of the Ad-Hoc Budget Sub-Committee met on January 25, 2016 to discuss formatting, presentation, and accounting information recommended be included in the FY 16/17 budget. The budget document presented incorporates feedback obtained from the Ad-Hoc Budget Sub-Committee.

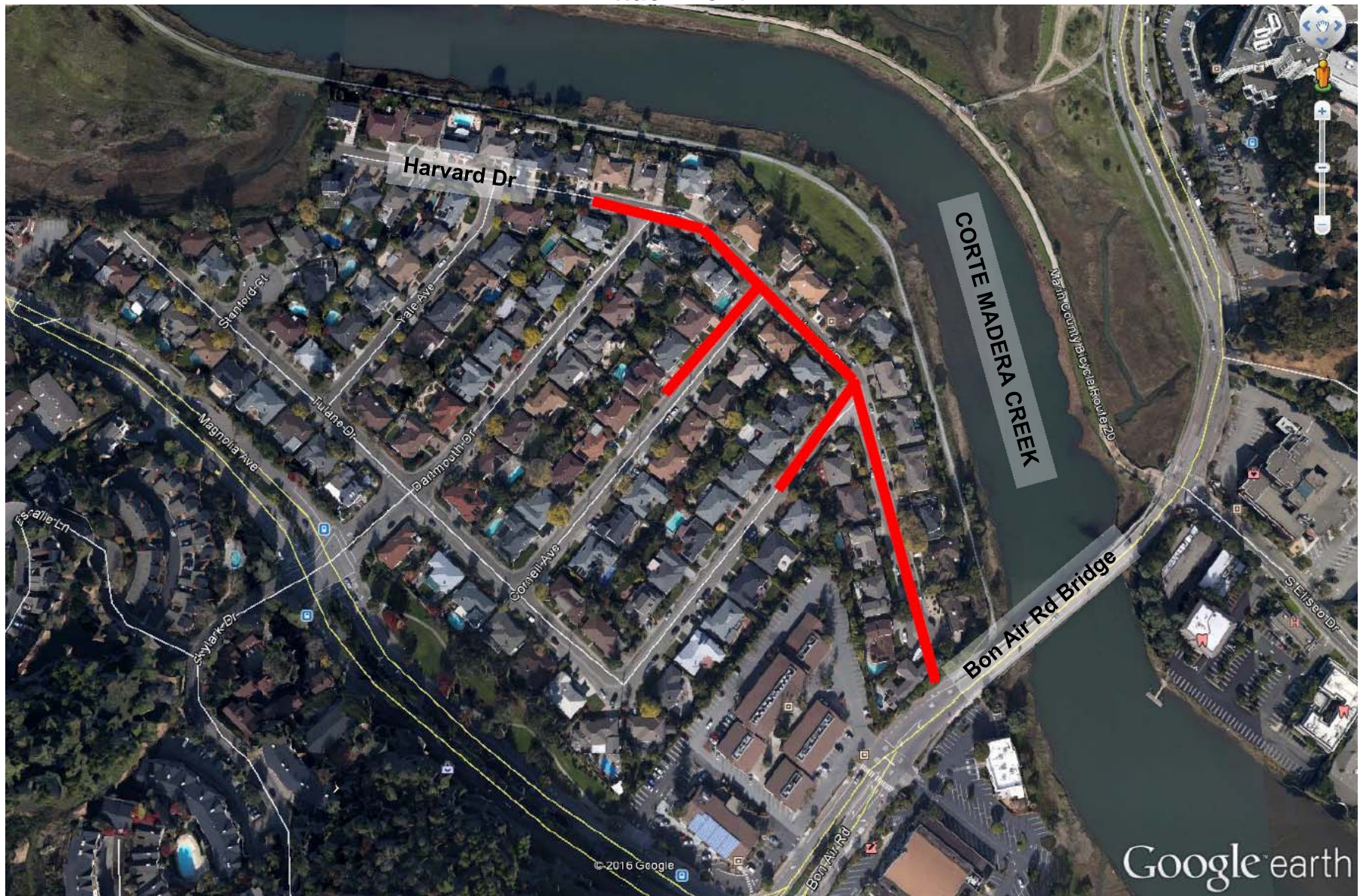
Recommended Action

Recommend that the Board of Supervisors approve the budget for FY 2016-2017.

Item 6. Adjourn (Next Meeting Scheduled for June 21, 2016)

At the December 15th 2015 meeting of the Flood Control Zone 9 Advisory Board, June 21st was selected as the next meeting date following today's meeting. The third Tuesday's in September (i.e., September 20, 2016) and December (i.e., December 20, 2016) were also set as future Advisory Board meeting dates.

Attachment A



***DRAFT* Ross Valley Flood Protection and Watershed
Program / Flood Control Zone 9 2016/17 Fiscal Year
Proposed Budgets**

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All public meetings and events sponsored or conducted by the County of Marin are held in accessible sites. Requests for accommodations may be made by calling (415) 473-4381 (voice/TTY) or 711 for the California Relay Service or e-mailing disabilityaccess@marincounty.org at least four work days in advance of the event. Copies of documents are available in alternative formats, upon written request.

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY15/16
Act.+ Proj.² FY 16/17
Budget³

FUND BALANCE SUMMARY⁴

Beginning Fund/Project Balances July 1 of Fiscal Year

Zone 9	\$ 9,930,848	\$ 9,680,978
Zone 9A	\$ 1,099,057	\$0
Phoenix Lake IRWM Retrofit	\$ 3,308,076	\$ 1,545,319
ESTIMATED TOTAL:	\$ 14,337,981	\$ 11,226,297

Ending Account/Project Balances June 30th of Fiscal Year⁷

Zone 9	\$ 9,680,978	\$ 2,657,010
Zone 9A	\$0	\$0
Phoenix Lake IRWM Retrofit	\$1,545,319	\$ 2,724,020
ESTIMATED TOTAL:	\$ 11,226,297	\$ 5,381,030

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

EXPENDITURE SUMMARY⁵

(for details, see subsequent pages)

Professional Services G/L 5210100	\$1,855,000	\$ 3,243,262	\$ 3,900,299
Miscellaneous Services G/L 5211500	\$434,600	\$ 1,101,570	\$ 148,000
Maintenance & Repair Land, Building, and Equipment Services & Supplies	\$79,885	\$ 143,739	\$ 127,885
Rent & Operating Leases G/L 5211220	\$ 1,500	\$ 3,000	\$ 8,500
Other Expenditure Charges*	\$ 29,576	\$ 30,176	\$ 18,200
Capital Assets G/L 5480000	\$1,000,000	\$0	\$ 3,000,000
Salaries and Benefits G/L 5510000	\$1,290,885	\$ 1,240,065	\$ 1,365,777

ESTIMATED TOTAL EXPENDITURE \$4,691,446 \$5,761,811 \$8,568,661

INTER PROGRAM TRANSFERS

Project Designation From Zone 9 Fund 23781 G/L 5490120

Transfer to Phoenix Lake IRWM Retrofit
 (for Design/CEQA through 12/30/18) \$0 \$0 \$ 3,300,000

Project Designation From Zone 9A Fund 23780 G/L 5490120

Transfer to Zone 9 Fund 23781
 (for U.S. Army Corps Units 2-4 Project Expenses) \$0 \$1,085,821 \$0

REVENUE⁶

Watershed Fee (Assumes 3% Increase per Year)	\$2,436,251	\$2,442,239	\$2,515,506
Taxes	\$205,598	\$199,610	\$ 199,610
Revenues from Use of Money and Property	\$7,253	\$7,253	\$7,253
Intergovernmental Revenues	\$1,025	\$1,025	\$ 1,025
Miscellaneous Revenues	\$0	\$0	\$0

ESTIMATED TOTAL REVENUE* \$2,650,127 \$2,650,127 \$2,723,394

*NOTE: Phoenix Lake Prop. 1E grant payments shown in "Detailed Expenditures"

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

MAJOR "SERVICES AND SUPPLIES" EXPENDITURES

**CAPITAL IMPROVEMENT PLAN (CIP) MEASURES SUBTOTAL
 (Bridge Projects, Detention Basins, Creek Improvements, Lower Corte Madera Creek
 Improvements, Program, Units 2, 3, & 4 Project)**

Professional Services G/L 5210100*

Various (see project level details)	\$1,855,000	\$ 2,058,875	\$ 3,892,299
<i>FCZ9 Fund 23781 Balance at end of FY 14/15 of previously encumbered contracts</i>	\$0	\$ 423,420	\$0
<i>FCZ9A Fund 23780 Balance at end of FY 14/15 of previously encumbered contracts</i>	\$0	\$ 960	\$0
<i>Phoenix Lake IRWM Retrofit Project Balance at end of FY 14/15 of previously encumbered contracts</i>	\$0	\$ 734,757	\$0
Total	\$1,855,000	\$ 3,218,012	\$ 3,892,299

*Note: anticipated professional service expense migration from FCZ9 Fund 23781 to FCZ9A Fund 23780 as follows: expenses of \$765,375 in FY 15/16 for Army Corps of Engineers Units 2-4)

Miscellaneous Services G/L 5211500*

Various (see project level details)	\$399,600	\$894,824	\$103,000
<i>Balance at end of FY 14/15 of previously encumbered agreements in FCZ9 Fund 23781</i>	\$0	\$ 69,813	\$0
<i>Balance at end of FY 14/15 of previously encumbered agreements for Phoenix Lake IRWM Retrofit Project</i>	\$0	\$ 24,168	\$0
<i>Balance at end of FY 14/15 of previously encumbered agreements for Winship Ave Bridge (Town of Ross)</i>	\$0	\$ 64,015	\$0
Total	\$399,600	\$ 1,052,820	\$ 103,000

Meeting Rental/Supplies G/L 5211220 \$1,500 \$ 2,000 \$ 2,000

Capital Assets/Real Estate Acquisition G/L 5480000

 Various (see project level details) **\$1,000,000** **\$0** **\$ 3,000,000**

Budget Transfers From Flood Zone 9 Fund 23781 G/L 5490120

 To Phoenix Lake IRWM Retrofit on 7/1/16 (see
 anticipated revenue from DWR grant revenue in
 revenue section) **\$0** **\$0** **\$ 3,300,000**

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

MAJOR "SERVICES AND SUPPLIES" EXPENDITURES (CONTINUED)

Salaries and Benefits G/L 5510000

Flood Control Salaries & Benefits	\$769,687	\$ 789,867	\$ 775,374
Real Estate Division	\$101,000	\$ 46,000	\$ 86,000
Transportation Division	\$100,000	\$ 87,000	\$ 88,817
Engineering Division	\$5,500	\$ 14,000	\$ 25,617
Parks & Open Space	\$10,000	\$ 6,000	\$ 10,000
Community Development Agency	\$0	\$ 29,000	\$ 51,000
Total	\$986,187	\$ 971,867	\$ 1,036,808

ESTIMATED TOTAL BUDGET (CIP) \$4,240,787 \$ 5,242,699 \$ 8,032,107

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

MAJOR "SERVICES AND SUPPLIES" EXPENDITURES (CONTINUED)

OPERATIONS & MAINTENANCE (O&M) SUBTOTAL

Professional Services G/L 5210100

Professional Services \$0 \$ 25,250 \$ 8,000

Total **\$0 \$ 25,250 \$ 8,000**

Miscellaneous Services G/L 5211500

Creek Maintenance Program \$35,000 \$ 48,750 \$ 45,000

Total **\$35,000 \$ 48,750 \$ 45,000**

Maintenance & Repair Land, Building, and Equipment Services & Supplies

Services (G/L 5211100) \$51,800 \$ 51,800 \$ 71,800

*Balance at end of FY 14/15 of previously encumbered
 creek maintenance services* \$0 \$ 47,304 \$0

Creek Maintenance Supplies/Permit Fees (G/L 5220200) \$20,585 \$ 22,585 \$ 22,585

Equipment Services G/L 5210900 \$5,500 \$ 15,500 \$ 27,500

Equipment Supplies G/L 5220200 \$2,000 \$ 2,550 \$ 2,000

Total **\$79,885 \$ 139,739 \$ 123,885**

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits \$141,925 \$ 141,925 \$ 191,925

Real Estate Division \$15,000 \$ 15,000 \$ 15,000

Transportation Division \$22,000 \$ 22,000 \$ 22,000

Engineering Division \$10,000 \$ 10,500 \$ 10,500

Roads Division \$35,000 \$ 35,000 \$ 35,816

Parks & Open Space \$32,000 \$ 32,000 \$ 32,000

Community Development Agency \$0 \$0 \$0

Total **\$255,925 \$ 256,425 \$ 307,240**

ESTIMATED TOTAL BUDGET (O&M) \$370,810 \$ 470,163 \$ 484,125

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE

CIP - Bridge Projects (Modifications, Replacements, and/or Removals)

Azalea Ave (Fairfax) Fund 23781, Fund Center 6219011000⁸

Memorandum of Agreement with Town of Fairfax G/L 5211500	\$0	\$	65,000		\$0
Salaries & Benefits G/L 5510000	\$0	\$	5,000	\$	13,000
ESTIMATED TOTAL BUDGET	\$0	\$	70,000	\$	13,000

Building Bridge #2 (San Anselmo) Fund 23781, Fund Center 6219011000⁹

Professional Services G/L 5210100					
RWCQB Permit Consult	\$0		\$0	\$	10,000
Total	\$0		\$0	\$	10,000
Miscellaneous Services G/L 5211500					
Memorandum of Agreement with Town of San Anselmo - Grant Application	\$0		\$0	\$	25,000
Total	\$0		\$0	\$	25,000
Salaries & Benefits G/L 5510000					
Flood Control Salaries & Benefits	\$0	\$	5,000	\$	15,000
Real Estate Division	\$0		\$0	\$	5,000
Transportation Division	\$0		\$0	\$	2,000
Engineering Division	\$0		\$0	\$	500
Community Development Agency	\$0		\$0	\$	1,000
Total	\$0	\$	5,000	\$	23,500
ESTIMATED TOTAL BUDGET	\$0	\$	5,000	\$	58,500

Madrone Ave (San Anselmo) Fund 23781, Fund Center 6219990004¹⁰

Miscellaneous Services G/L 5211500					
Memorandum of Agreement with Town of San Anselmo	\$0	\$	95,117		\$0
Memorandum of Agreement with Town of San Anselmo for Project Management	\$0	\$	64,500		\$0
Total	\$0	\$	159,617		\$0
Salaries & Benefits G/L 5510000					
Flood Control Salaries & Benefits	\$20,000	\$	38,500	\$	6,000
Real Estate Division	\$5,000	\$	6,000	\$	5,000
Transportation Division	\$1,000	\$	2,000	\$	1,000
Engineering Division	\$1,000	\$	2,000	\$	1,000
Total	\$27,000	\$	48,500	\$	13,000
ESTIMATED TOTAL BUDGET	\$27,000	\$	208,117	\$	13,000

FY 15/16 **FY15/16** **FY 16/17**
Budgeted¹ **Act.+ Proj.²** **Budget³**

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

Nokomis Ave (San Anselmo) Fund 23781, Fund Center 6219990003¹¹

Memorandum of Agreement with Town of San Anselmo G/L 5211500

Agreement with Town of San Anselmo	\$0	\$	20,375	\$	\$0
Agreement with Town of San Anselmo for Project Management	\$0	\$	64,500	\$	\$0
Total	\$0	\$	84,875	\$	\$0

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$20,000	\$	10,000	\$	6,000
Real Estate Division	\$5,000	\$	\$0	\$	5,000
Transportation Division	\$1,000	\$	\$0	\$	1,000
Engineering Division	\$1,000	\$	\$0	\$	1,000
Total	\$27,000	\$	10,000	\$	13,000

ESTIMATED TOTAL BUDGET \$27,000 \$ 94,875 \$ 13,000

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

Sleepy Hollow Creek Feasibility Study Fund 23781, Fund Center 6219011000¹²

Professional Services G/L 5210100	\$0	\$	35,000		\$0
Salaries & Benefits G/L 5510000	\$0	\$	10,000	\$	10,000

ESTIMATED TOTAL BUDGET \$0 \$ 45,000 \$ 10,000

Sycamore/Center Blvd (San Anselmo) Fund 23781, Fund Center 6219990005¹³

Miscellaneous Services G/L 5211500

Memorandum of Agreement with Town of San Anselmo	\$0	\$	285,332		\$0
Memorandum of Agreement with Town of San Anselmo for Project Management	\$0	\$	95,000		\$0

Total \$0 \$ 380,332 \$0

Capital Assets G/L 5480000

Real Estate Acquisition	\$1,000,000		\$0		\$0
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Total \$1,000,000 \$0 \$0

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$20,000	\$	20,000	\$	6,000
Real Estate Division	\$25,000	\$	25,000	\$	5,000
Transportation Division	\$1,000	\$	1,000	\$	1,000
Engineering Division	\$1,000	\$	1,000	\$	1,000

Total \$47,000 \$ 47,000 \$ 13,000

ESTIMATED TOTAL BUDGET \$1,047,000 \$ 427,332 \$ 13,000

Winship Avenue (Ross) Fund 23781, Fund Center 6219990002¹⁴

Miscellaneous Services G/L 5211500

<i>Memorandum of Agreement with Town of Ross Balance at end of FY 14/15 of previously encumbered agreement (\$83,735 budgeted FY 14/15)</i>	\$0	\$	64,015		\$0
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Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$20,000	\$	10,000	\$	6,000
Real Estate Division	\$5,000		\$0	\$	5,000
Transportation Division	\$1,000		\$0	\$	1,000
Engineering Division	\$1,000		\$0	\$	1,000

Total \$27,000 \$ 10,000 \$ 13,000

ESTIMATED TOTAL BUDGET \$27,000 \$ 74,015 \$ 13,000

FY 15/16 **FY15/16** **FY 16/17**
Budgeted¹ **Act.+ Proj.²** **Budget³**

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

CIP - Detention Basin Projects

Deer Park Dual-Use Facility¹⁵ Fund 23781, Fund Center 6219011000

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$0	\$ 10,000	\$ 5,000
Real Estate Division	\$0	\$ 1,000	\$0
Transportation Division	\$0	\$ 1,000	\$0
Engineering Division	\$0	\$ 1,000	\$0
Total	\$0	\$ 13,000	\$ 5,000

ESTIMATED TOTAL BUDGET \$0 \$ 13,000 \$ 5,000

Former Sunnyside Nursery Growing Grounds¹⁶ Fund 23781, Fund Center 6219011000

Professional Services G/L 5210100

Appraisal Fee	\$0	\$ 7,500	\$0
Geotechnical consultant	\$0	0	\$ 100,000
Biological consultant	\$0	0	\$ 30,000
Land survey consultant	\$0	0	\$ 30,000
Total	\$0	\$ 7,500	\$ 160,000

Capital Assets G/L 5480000

Land purchase	\$0	\$0	\$ 3,000,000
Total	\$0	\$0	\$ 3,000,000

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$0	\$ 15,000	\$ 40,000
Real Estate Division	\$0	\$ 10,000	\$ 10,000
Transportation Division	\$0	\$ 1,000	\$0
Engineering Division	\$0	\$ 1,000	\$ 5,000
Parks & Open Space	\$0	\$ 1,000	\$ 10,000
Total	\$0	\$ 28,000	\$ 65,000

ESTIMATED TOTAL BUDGET \$0 \$ 35,500 \$ 3,225,000

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

Lefty Gomez Field Dual-Use Facility¹⁷

Professional Services G/L 5210100

Grant application consultant	\$0	\$0	\$ 60,000
RWQCB Permit Consult	\$0	\$ 2,000	\$ 2,000

Total	\$0	\$ 2,000	\$ 62,000
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Miscellaneous Services G/L 5211500

Total	\$0	\$0	\$ 20,000
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Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$45,941	\$ 25,000	\$ 5,000
Real Estate Division	\$5,000	\$ 1,000	\$0
Transportation Division	\$5,000	\$ 1,000	\$0
Engineering Division	\$0	\$ 1,000	\$0
Community Development Agency	\$0	\$ 1,000	\$0

Total	\$55,941	\$ 29,000	\$ 5,000
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ESTIMATED TOTAL BUDGET	\$55,941	\$ 31,000	\$ 87,000
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Loma Alta Dual-Use Facility¹⁸

Professional Services G/L 5210100

Geotechnical Feasibility Investigations & Report	\$100,000	\$0	\$0
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RWQCB Permit Consult	\$0	\$ 2,000	\$ 2,000
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Total	\$100,000	\$ 2,000	\$ 2,000
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Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$45,941	\$ 10,000	\$ 5,000
Real Estate Division	\$10,000	\$ 1,000	\$0
Transportation Division	\$10,000	\$ 1,000	\$0
Engineering Division	\$0	\$ 1,000	\$0
Parks & Open Space	\$10,000	\$ 5,000	\$0

Total	\$75,941	\$18,000	\$5,000
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ESTIMATED TOTAL BUDGET	\$175,941	\$ 20,000	\$ 7,000
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FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

Phoenix Lake IRWM Retrofit Project¹⁹ Fund 10000, Fund Center 4100995079

Beginning Balance Phoenix Lake IRWM Retrofit
 (FY 15/16 Actual + Expenditure as of 3/29/16) **\$3,308,076** **\$1,545,319**

Professional Services G/L 5210100

CH2M-HILL Project CEQA services \$500,000 \$ 500,000 \$0

CH2M-HILL Start Program EIR \$0 \$ 450,000 \$0

CH2M-HILL completion of Program EIR
 & Project EIR \$0 \$0 \$ 583,299

CH2M-HILL Preliminary Design \$0 \$0 \$ 1,320,000

CH2M-HILL Misc. Services \$0 \$0 \$ 20,000

AECOM extra services \$0 \$0 \$ 50,000

Stetson extra services \$0 \$0 \$ 50,000

RWQCB Permit Consult Services \$0 \$ 2,000 \$ 2,000

*Balance at end of FY 14/15 of previously
 encumbered Phoenix Lake IRWM Retrofit Project
 contracts* \$0 \$ 734,757 \$0

Total **\$500,000** **\$ 1,686,757** **\$ 2,025,299**

Miscellaneous Services G/L 5211500

*Balance at end of FY 14/15 of previously encumbered
 Phoenix Lake IRWM Retrofit Project agreements* \$0 \$ 24,168 \$0

MMWD Addendum #1 \$50,000 \$ 25,000 \$0

Other \$0 \$ 25,000 \$0

Total **\$50,000** **\$ 74,168** **\$0**

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits \$70,000 \$ 70,000 \$ 75,000

Real Estate Division \$5,000 \$ 1,000 \$ 5,000

Transportation Division \$1,000 \$ 1,000 \$ 1,000

Engineering Division \$1,000 \$ 1,000 \$ 5,000

Community Development Agency \$0 \$ 3,000 \$ 10,000

Total **\$77,000** **\$ 76,000** **\$ 96,000**

ESTIMATED TOTAL BUDGET **\$577,000** **\$ 1,762,757** **\$ 2,121,299**

Budget Transfers From Zone 9 Fund 23781 G/L 5490120

To Phoenix Lake IRWM Retrofit
 (for Design/CEQA through 12/30/18) **\$0** **\$0** **\$ 3,300,000**

Ending Balance Phoenix Lake IRWM Retrofit
 Fund 10000, Fund Center 4100995079 **\$ 1,545,319** **\$ 2,724,020**

Prop. 1E Grant Invoice Payments*

(Included in Project Beginning Balance or Future Budget Revenue)

7/1/15 through 6/30/17 \$188,100 \$581,710 \$ 700,029

*NOTE: Grant Invoice Payments 7/1/18 through 12/30/18 projected to be \$184,927

FY 15/16 **FY15/16** **FY 16/17**
Budgeted¹ **Act.+ Proj.²** **Budget³**

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

San Anselmo Flood Protection Project (Formerly Memorial Park Dual-Use Facility)²⁰

Fund 23781, Fund Center 6219011000

Professional Services G/L 5210100

Analysis of Replacement Project Alternatives	\$0	\$	54,000		\$0
CEQA consultant	\$0			\$0	\$ 600,000
Preliminary Design consultant	\$0			\$0	\$ 200,000
Total	\$0	\$	54,000		\$ 800,000

Miscellaneous Services G/L 5211500

Future grant application reimbursement to Town	\$80,000			\$0	\$0
Preliminary design reimbursement to Town	\$244,600			\$0	\$0
Total	\$324,600			\$0	\$0

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$15,000	\$	15,000	\$	40,000
Real Estate Division	\$1,000	\$	1,000	\$	1,000
Transportation Division	\$2,000	\$	1,000	\$	1,000
Engineering Division	\$500	\$	1,000	\$	5,000
Total	\$18,500	\$	18,000	\$	47,000

ESTIMATED TOTAL BUDGET \$343,100 \$ 72,000 \$ 847,000

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

CIP - In-Creek Improvements²¹ Fund 23781, Fund Center 6219011000

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$26,438	\$	20,000	\$	25,000
Total	\$26,438	\$	20,000	\$	25,000

ESTIMATED TOTAL BUDGET \$26,438 \$ 20,000 \$ 25,000

CIP - Lower Corte Madera Creek Improvements²² Fund 23781, Fund Center 6219011000

Professional Services G/L 5210100	\$300,000	\$	35,000	\$	325,000
Memorandum of Agreement with City of Larkspur (Bon Air Road Pump Station and Hill View Drainage Improvements) G/L 5211500	\$0		\$0	\$	20,000
Salaries & Benefits G/L 5510000	\$80,000	\$	60,000	\$	50,000

ESTIMATED TOTAL BUDGET \$380,000 \$ 95,000 \$ 395,000

CIP - PROGRAM²³ Fund 23781, Fund Center 6219011000

Professional Services G/L 5210100

Matt Smeltzer On-Call Services	\$50,000	\$	50,000		\$0
Outreach Services	\$25,000	\$	25,000		\$0
RWQCB Permit Consult (As Needed)	\$0		\$0	\$	47,000
Community Engagement Services	\$0		\$0	\$	200,000
HMGP Grant Application Services	\$0	\$	25,000		\$0
Elevation Survey Program	\$0		\$0	\$	200,000
On-Call Contract during Emergency	\$0	\$	1,000	\$	1,000
Total	\$75,000	\$	\$101,000	\$	\$448,000

Miscellaneous Services G/L 5211500

Mailings/Signage		\$	30,000	\$	38,000
Website Maintenance/Improvements	\$25,000	\$	25,000		
Total	\$25,000	\$	55,000	\$	38,000

Maintenance & Repair Services - Land & Buildings G/L 5211100

On-Call Services during Emergency	\$0	\$	4,000	\$	4,000
Total	\$0	\$	4,000	\$	4,000

Rent & Operating Leases G/L 5211220 \$1,500 \$ 3,000 \$ 8,500

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$326,367	\$	326,367	\$	333,971
Real Estate Division	\$0		\$0		\$0
Transportation Division	\$78,000	\$	78,000	\$	79,817
Engineering Division	\$0	\$	5,000	\$	5,117
Total	\$404,367	\$	409,367	\$	418,905

ESTIMATED TOTAL BUDGET \$505,867 \$ 572,367 \$ 917,405

FY 15/16 **FY15/16** **FY 16/17**
Budgeted¹ **Act.+ Proj.²** **Budget³**

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

CIP - U.S. Army Corps of Engineers Units 2, 3 and 4²⁴ Fund 23781, Fund Center 6219011000

Professional Services G/L 5210100

RWQCB Permit Consult (As Needed)	\$0	\$ 5,000	\$ 10,000
Survey	\$0	\$ 50,000	\$0
Hydrology and Hydraulics Support (Stetson)	\$0	\$ 50,000	\$0
Stetson and Cash Payment to Corps	\$880,000	\$ 765,375	\$ 50,000
Total	\$880,000	\$ 870,375	\$ 60,000

Miscellaneous Services G/L 5211500 **\$0** **\$ 100,000** **\$0**

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$100,000	\$ 140,000	\$ 161,403
Real Estate Division	\$20,000	\$0	\$ 20,000
Community Development Agency	\$0	\$ 25,000	\$ 40,000
Total	\$120,000	\$ 165,000	\$ 221,403

ESTIMATED TOTAL BUDGET* \$1,000,000 \$ 1,135,375 \$ 281,403

*NOTE: \$400,000 in federal funds was programmed in the 2014 federal work plan by the U.S. Army Corps of Engineers. \$500,000 in federal funds was approved within 2015 federal work plan by Corps. "FY 15/16 Act. + Proj." project charges to be journaled from Fund 23781 (FCZ9 Fund) to Fund 23780 (FCZ9A Fund) until FCZ9A fund balance is depleted.

DRAFT - Ross Valley Flood Control Zone 9 Fiscal Year Budget Planning Worksheet - DRAFT

FY 15/16 FY15/16 FY 16/17
 Budgeted¹ Act.+ Proj.² Budget³

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

OPERATIONS & MAINTENANCE Fund 23781, Fund Center 6219011000

INCORPORATED AREA²⁵

Professional Services G/L 5210100

Creek Assessments in Towns	\$0	\$ 1,250	\$ 5,000
On-Call FY 15/16-16/17 Contract (information gathering of prior creek maintenance sites & recommendations on future maintenance)	\$0	\$ 12,000	\$0
Regional Water Quality Control Board On-Call Service Consult	\$0	\$ 1,000	\$ 2,000
Total	\$ -	\$ 14,250	\$ 7,000

Miscellaneous Services G/L 5211500

Creek Assessments in Towns	\$ 5,000	\$ 3,750	\$0
Agreements with City/Towns for Creek Maintenance	\$30,000	\$ 45,000	\$ 45,000
Total:	\$35,000	\$ 48,750	\$ 45,000

Construction G/L 5220400

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$2,500	\$ 2,500	\$ 2,500
Real Estate Division	\$0	\$ 1,000	\$ 1,000
Transportation Division	\$0	\$0	\$ 500
Total	\$2,500	\$ 3,500	\$ 4,000

ESTIMATED TOTAL BUDGET \$32,500 \$ 62,750 \$ 56,000

UNINCORPORATED AREAS²⁵

Professional Services G/L 5210100

Concrete Repair Pilot in Concrete Channel	\$0	\$ 10,000	\$0
RWQCB consult for concrete repair	\$0	\$ 1,000	\$ 1,000
Total	\$0	\$ 11,000	\$ 1,000

Maintenance & Repair Services - Land & Buildings G/L 5211100

CCNB (Conservation Corps North Bay)	\$30,100	\$ 30,100	\$ 30,100
Tree Service	\$7,000	\$ 7,000	\$ 7,000
Fence Repair	\$6,000	\$ 6,000	\$ 6,000
Concrete Repair Pilot in Concrete Channel (Pilot)	\$0	\$0	\$ 20,000
Miscellaneous Other Repairs/Services	\$8,700	\$ 8,700	\$ 8,700
<i>Balance at end of FY 14/15 of previously encumbered contracts</i>	\$0	\$ 47,304	\$0
Total	\$51,800	\$ 99,104	\$ 71,800

Maintenance & Repair Supplies - Land & Buildings G/L 5220300

Creek Maintenance Permit Fee Allowance	\$17,585	\$ 17,585	\$ 17,585
Creek Maintenance Supplies & Equipment	\$3,000	\$ 3,000	\$ 3,000
Permit Fee Allowance for concrete channel Surface	\$0	\$ 2,000	\$ 2,000
Total	\$20,585	\$ 22,585	\$ 22,585

FY 15/16 **FY15/16** **FY 16/17**
Budgeted¹ **Act.+ Proj.²** **Budget³**

DETAILS OF MAJOR "SERVICES AND SUPPLIES" EXPENDITURE (CONTINUED)

OPERATIONS & MAINTENANCE

UNINCORPORATED AREAS (CONTINUED)

Salaries & Benefits G/L 5510000

Flood Control Salaries & Benefits	\$139,425	\$114,425	\$ 139,425
Real Estate Division	\$15,000	\$ 14,000	\$ 14,000
Transportation Division	\$22,000	\$ 22,000	\$ 21,500
Engineering Division	\$10,000	\$ 10,500	\$ 10,500
Roads Division	\$35,000	\$ 35,000	\$ 35,816
Parks & Open Space	\$32,000	\$ 32,000	\$ 32,000
Total	\$253,425	\$ 227,925	\$ 253,240

ESTIMATED TOTAL BUDGET (O&M Unincorp.) \$325,810 \$ 360,613 \$ 348,625

RAIN/STREAM GAGE PROGRAM & ALERT SYSTEM²⁶

Maintenance & Repair Services - Equipment G/L 5210900

Precipitation & Stream Gage Maintenance	\$ 2,500	\$ 2,500	\$ 12,500
ALERT System	\$ 3,000	\$ 3,000	\$ 15,000
New Stream Gage Installation at Station 20	\$0	\$ 10,000	\$0
Total	\$5,500	\$ 15,500	\$ 27,500

Maintenance & Repair Supplies - Equipment G/L 5220200

Anticipated purchases/replacements/upgrades	\$ 2,000	\$ 2,000	\$ 2,000
Purchase rain gage for upper Ross Valley	\$0	\$ 550	\$0
Total	\$ 2,000	\$ 2,550	\$ 2,000

Salaries & Benefits G/L 5510000

Total	\$0	\$ 25,000	\$ 50,000
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ESTIMATED TOTAL BUDGET (O&M Rain/Stream Gage Program & Alert System) \$7,500 \$ 43,050 \$ 79,500

Exhibit A

Assumptions and Additional Notes For FY 16/17 Budget Document

1	"FY 15/16 Budgeted" refers to budget recommended by Flood Control Zone 9 Advisory Board on May 20, 2015. See FY 15/16 budget document provided in Staff Report at following file path link: http://www.marinwatersheds.org/documents/FCZ9ABStaffReport5-20-2015andFY15-16Budgets.pdf
2	"FY 15/16 Act.+Proj." refers to 'Actual Expenditures' (as of February 2016) plus 'Estimated Expenditures' (February 2016 through June 30, 2016) to be recommended by Advisory Board. Note this column will also include any carry forward prior year unspent contract and/or agreement encumbrances.
3	"FY 16/17 Budget" is the proposed budget from July 1, 2016 through June 30, 2017 and does not include budget recommended in a prior fiscal year.
4	Fund Balance Summary was not provided in approved FY 15/16 budget document, therefore fund starting and ending balance is only shown within "FY 15/16 Act.+Proj." and "FY 16/17 Budget" columns. Beginning 'FY 15/16 Act.+Proj.' fund balances for Zone 9 and Zone 9A was obtained as of 3/18/2016, and for Phoenix Lake IRWM Retrofit project balance as of 3/29/2016. Fund balance summary may include prior year contract unspent encumbrances.
5	"Expenditure Summary" does not include, aside from the Loma Alta Dual-Use Facility, budget to start feasibility studies for any backup detention basin site identified in the Flow Reduction Study (CH2M Engineers, 2015). **"Other expenditure charges" can consist of one or more of the following: Utilities ,Rent & Operating Leases, Professional Development, Travel, Dues, Office Supplies, Misc. Supplies*
6	Revenue, aside from Storm Drainage Fee which is assumed to increase 3% per year, is assumed to remain as in the prior fiscal year revenue amount. The beginning fund/project balance for Phoenix Lake IRWM Retrofit as of 3/29/16 in the amount of \$3,308,076 included \$2.1 million in "anticipated future grant revenue" from the Proposition 1E grant in FY 2012/13 when the project account was created, therefore revenue shown in "FY 15/16 Budgeted", "FY 15/16 Act.+Proj.", and "FY 16/17 Budgeted" will not include any revenue received to date up to \$2.1 million into the Phoenix Lake IRWM Retrofit fund ending balance because it was already accounted for in FY 2012/13.
7	"FY 15/16 Act. + Proj." U.S. Army Corps of Engineers Corte Madera Creek project charges to be journaled from Fund 23781 (FCZ9 Fund) to Fund 23780 (FCZ9A Fund) until FCZ9A fund balance is depleted.
8	Azalea Avenue Bridge Replacement - No assumptions listed.
9	Building Bridge #2 Removal - \$25,000 needed to apply for FEMA grants.
10	Madrone Avenue Bridge Replacement - FY 15/16 Actual + Estimate PO of \$95,117 is for 11% cost share + CEQA.
11	Nokomis Avenue Bridge Replacement - FY 15/16 Actual + Estimate PO of \$20,375 is for CEQA.
12	Sleepy Hollow Creek Feasibility Study - Assumes Professional Services in FY 15/16 Actual plus Estimate column is from Stetson IDIQ approved by Board of Supervisors on March 1, 2016.
13	Sycamore/Center Blvd Bridge Replacement - "FY 15/16 Act. + Est." PO of \$285,332 is for 11% cost share + CEQA. Acorn building purchased in "FY 14/15" and so expense not shown in "FY 15/16 Act.+Est." column.
14	Winship Avenue Bridge Replacement - Note PO for entire amount encumbered in "FY 14/15".
15	Deer Park Dual-Use Facility - No tasks anticipated.

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Exhibit A (CONTINUED)

16	Former Sunnyside Nursery Growing Grounds - Consultant does soil borings, geotechnical report, biological study, property line survey, and appraisal. County purchases the parcel from current owner.
17	Lefty Gomez Field Dual-Use Facility - Marin County Flood Control & Water Conservation District applies for a grant with support by a consultant.
18	Loma Alta Dual-Use Facility - No tasks anticipated.
19	Phoenix Lake IRWM Retrofit Project - CH2M will complete Program Environmental Impact Report and Project Environmental Impact Report. CH2M will complete 30% Design and perform 'Small Miscellaneous Services'. The \$3.3 Million transfer from Flood Control Zone 9 fund to Phoenix Lake in "FY 16/17 Budget" is assumed to come entirely from Zone 9 fund to cover Design and CEQA tasks through 12/30/18. Proposition 1E grant payments projected 7/1/18 through 12/30/18 include adjustment for actual and expected project grant payments from FY 2012/13 through 12/30/18 versus the projected grant revenue in FY 2012/13 when project account was created.
20	San Anselmo Flood Protection Project - Consultant will prepare Analysis of Replacement Project Alternatives, CEQA, and 30% Design.
21	In-Creek Improvements - no assumptions listed.
22	Lower Corte Madera Creek Improvements - Pump Station and Hillview Drainage Improvements Memorandum of Agreement for first phase is approved in "FY 15/16 Act.+Proj" or "FY 16/17 Budget" by the City council and Marin County Flood Control and Conservation District Board of Supervisors. FCZ9 funds a portion UNICO proposal to develop design alternatives. NEPA funded outside of FCZ9. "FY 15/16 Act.+Est." assumes \$15,000 for geomorphic dredge study and \$20,000 for bathymetric survey. "FY 16/17 Budget" assumes \$200,000 for plans, specifications, and environmental permits to dredge the Corte Madera Creek channel if needed, and \$125,000 for Local Levee Evaluation assuming Department of Water Resources grant is awarded and executed allowing for grant reimbursable work to start in FY 16/17.
23	CIP Program - RWQCB permit consult obtained for CIP bridge projects, creek debris removal, and concrete channel surface repair pilot . Community Engagement and Elevation Survey Program services are encumbered in "FY 16/17 Budget". One watershed-wide outreach mailer is completed in "FY 16/17 Budget", and one additional major outreach effort is completed. Assumes on-call emergency consultant and contractor services are selected and funds encumbered in "FY 15/16 Budget".
24	U.S. Army Corps of Engineers Units 2, 3 and 4 - Note: "Stetson and Cash Payment to Corps" includes Stetson contract expenses to date, cash payments to Corps, and estimated future Hydraulic and Hydrologic expenses.
25	Operations & Maintenance Incorporated Areas - Information gathering of prior creek maintenance sites & recommendations on future maintenance costs \$12,000 and budget is available in on-call contracts during "FY 15/16 Act.+Proj.". Operations & Maintenance Unincorporated Areas - permit fees are the same in "FY 16/17 Budget" as "FY 15/16 Budgeted". Concrete repair pilot costs \$10,000 for professional service contract and \$1,000 in RWQCB consult. Flood Control Salaries & Benefits require the same budget in "FY 16/17 Budget" as 'FY 15/16 Budget'. Creek Assessments in Towns costs \$5,000 in "FY 16/17 Budget".
26	Rain/Stream Gage Program & Alert System - Zone 9 contributions from Department of Water Resources Flood Emergency Response Planning grant agreement are not included in this budget. Four additional gages are maintained by Flood Control in "FY 16/17 Budget".