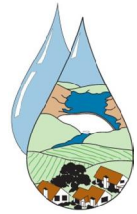


SOLANO COUNTY WATER AGENCY



FLOOD CONTROL ADVISORY COMMITTEE Meeting Announcement

DATE: Thursday, April 27, 2017

TIME: 6:00 pm

PLACE: SCWA Office – Monticello Room
810 Vaca Valley Parkway Suite #203, Vacaville 95688

AGENDA

1. Introductions and public comment.
2. Approval of agenda for tonight's meeting (April 27, 2017).
3. Approval of minutes from February 23, 2017 meeting.
4. Ethics training status / requirements.
5. Update on Small Grant Projects.
6. Update on medium sized projects / other flood control issues.
7. Review current SCWA flood control policy and FCAC Charter.
8. Review proposed budget for FY 2017-2018, and provide recommendation to SCWA Board of Directors
9. Discussion of location for June 22, 2017 FCAC field trip meeting.
10. Discussion of future agenda items.
11. Remaining 2017 meeting dates: June 22, and December 7.

If you have any questions please contact Jeff Barich at (707) 455-1109, or JBarich@scwa2.com.

F-10-D.FCAC_Agenda04272017.docx

810 Vaca Valley Parkway, Suite 203
Vacaville, CA 95688
Phone (707) 451-6090 FAX (707) 451-6099
www.scwa2.com



SOLANO COUNTY WATER AGENCY

FLOOD CONTROL ADVISORY COMMITTEE

MEETING MINUTES: February 23, 2017

1. **Introductions and Public Comment:** Chairman Terry Riddle called the meeting to order at 6:00 PM with a quorum present. Introductions were done and public comment:
 - Vicki Lang and Kathy Abreu: Property on Thomasson Lane in Fairfield is experiencing flooding from Suisun Creek. They are concerned by the disconnect between the road being partially county-maintained and partially city-maintained. They are also concerned with the way Lake Curry is operated.
 - Tom Angle: Property on Thomasson Lane in Fairfield, same issues as above. His main concerns are that Lake Curry needs to be regulated, and he/his neighbors need to be able to clean Suisun Creek.
 - Greg Guyan: Property on Bridgeport Lane in Fairfield. Gave the history of his property and how he is experiencing flooding due to Fairfield developing and overwhelming Green Valley Creek and the rest of the storm drain system.
 - Monica Brown: County Supervisor in Fairfield, would like to see something done to help these people out. She would like a copy of the reports and studies SCWA funded for the creeks in this area.
2. **Approval of Agenda:** The Agenda for the meeting was unanimously approved.
3. **Approval of Minutes (December 1, 2016 Meeting):** The meeting minutes from the December 1, 2016 meeting were unanimously approved.
4. **Ethics Training Status / Requirements:** Jeff Barich reminded the committee that many members need to renew their ethics certification. Jeff will send the link to the training website to the committee and those who are out of date will complete the training and send Jeff a copy of their completion certificate.
5. **Update on Small Grant Projects:** Jeff Barich informed the committee of the new Small Grant Project inquiries. There was brief discussion of the Fox Road small grant project, and how it was not completed before the rain started and there may need to be more work done at that site to correct the issues once the ground dries up.
6. **Update on Medium-Sized Projects / Other Flood Control Issues:** Jeff Barich gave a brief update that SCWA has not heard from DWR in regards to a funding decision on the grant application for the Rio Vista Flood Protection feasibility study.

- 7. Discussion of Future Agenda Items:** The committee expressed interest in reviewing the Committee's charter, guidelines, and formation procedure, as well as the overall SCWA flood control funding policy. The committee also would like to review and summarize the Suisun Creek drainage study and the Green Valley Creek drainage study. Ron Koehne suggested the FCAC take the June field trip to the Dry Arroyo project to take a look at how the project performed in these storms.
- 8. Remaining 2017 Meeting Dates:** The committee decided to add a meeting in March to the 2017 calendar. The remaining 2017 meeting dates are: March 23rd, April 27th, June 22nd, and December 7th.

Next Meeting: The meeting was adjourned at 8:25 PM. The next meeting of the Flood Control Advisory Committee is scheduled for Thursday, March 23, 2017 at 6:00 PM at the SCWA office.

Committee Members Attending:

Ron Campbell	Steve Chappell
Charles Karnopp	Ron Koehne
Paul Lum	Laura Peters
Terry Riddle	

Committee Members Absent:

Terry Connolly	Jim Daniels
Shawn Cunningham	Mark Holdener

SCWA Staff:

Jeff Barich

Flood Control Advisory Committee

AB 1234 - Ethics Training

April 27, 2017

Committee Member	Date of Last Certificate	Next Training Due	Training Status
Campbell, Ron	1/21/2016	1/16/2018	Current
Chappell, Steve	2/8/2017	2/8/2019	Current
Connolly, Terry	11/29/2016	11/29/2018	Current
Cunningham, Shawn	-	-	Out of Date
Daniels, Jim	12/1/2015	12/1/2017	Current
Holdener, Mark	1/21/2015	1/21/2017	Out of Date
Karnopp, Charles	2/28/2017	2/28/2019	Current
Koehne, Ronald	1/31/2016	1/31/2018	Current
Lum, Paul	3/10/2017	3/10/2019	Current
Peters, Laura	4/14/2014	4/14/2016	Out of Date
Riddle, Terry	6/25/2014	6/25/2016	Out of Date

FLOOD CONTROL – FY 2016/2017 SMALL GRANT PROJECTS – April 27, 2017

NAME	LOCATION	WATER-SHED	INITIAL SITE VISIT	PROJECT DESCRIPTION	CURRENT STEP	TOTAL PROJECT COST			PAID OUT (SCWA)	COMMENTS
						Owner Cost-Share	SCWA Cost-Share	Total		
Gonzales/McMullen	6925 Fox Rd. Dixon, CA	Gibson Canyon Ck.	6/12/13	Implementation of Small Grant design	5	\$5,025	\$20,102	\$25,127	-	IN PROCESS: Work is nearly complete.
Aaron Jackson	8119 King Rd. Dixon, CA	RD 2068	9/15/13	Major ditch expansion along King Rd into RD 2068's system	2	-	-	-	-	IN PROCESS: County completed survey. SRCD and RD 2068 are working on cost estimates.
Virginia Sconza	602 Walnut Dr. Fairfield, CA	Green Valley Creek	9/14/15	3 arundo patches are growing right at water's edge, rooting in the creek	-	-	-	-	-	NO APPLICATION: SRCD staff has treated and removed the arundo.
Laura Fussell/ Sherri Mendes	6930 Bucktown Vacaville, CA	Ulatis Creek	9/15/15	Large trees have fallen into the creek and are clogging the channel	5	\$1,116	\$4,464	\$5,580	-	IN PROCESS: Work is nearly complete.
Dale Oates	4510 Peaceful Glen Rd. Vacaville, CA	Sweeney Creek	6/2016	Clear out dead/downed trees in channel	6	\$2,720	\$10,880	\$13,600	\$10,880	COMPLETED: Work is complete and reimbursement is on the way.
Art Anderson	Cordelia Rd. near Chadbourne	Suisun Marsh	With County, July 2016	Replace tidal flap gate	4	\$24,780	\$12,400	\$37,180	-	APPLIED: SCWA is willing to fund 1/3 of this project which largely affects a County Rd.
Kathie Stutz	5327 Elmira Rd. Elmira, CA	Old Alamo Creek	10/25/16	Repair neighbors grading	1	-	-	-	-	IN PROCESS: SRCD is working with the County to see what could be done here.
Jason Coleman	6059 Clark Rd. Dixon, CA	Old Alamo Creek	January 2017	Repair failing culvert under Kozy Lane	6	\$1,615	\$6,460	\$8,075	\$6,460	COMPLETED: Work is complete and reimbursement is on the way.
Jason Coleman	6059 Clark Rd. Dixon, CA	Old Alamo Creek	January 2017	Construct detention basin and berm	5	\$3,400	\$13,600	\$17,000	-	IN PROCESS: Work will be scheduled once ground dries out a bit and weather is better.
Paul Bruins	5025 Sweeney Rd. Vacaville, CA	Sweeney Creek	2/7/2017	TBD	1	-	-	-	-	IN PROCESS: Met on site, landowners described the problem, working with neighbors to determine what needs to be done.
Debbie Hayes	6111 Kozy Lane Dixon CA	Old Alamo Creek	3/13/2017	Install 5 new culverts	6	\$4,000	\$16,000	\$20,000	\$16,000	COMPLETED: Work is completed and the reimbursement is on the way.
FY 16-17 Totals:						\$42,656	\$83,906	\$126,562	\$33,340	

Step 1 - Site visit
 Step 2 - Potential project outlined
 Step 3 - Estimates for project cost submitted to landowner

Step 4 - Applied
 Step 5 - Approved or declined
 Step 6 - Project completed, reimbursed

MEDIUM SIZED FLOOD PROJECT STATUS REPORT

April 27, 2017

This is a status report for each of the active medium sized flood projects currently being undertaken by the Solano County Water Agency.

PROJECT	STATUS / SUMMARY
SWEENEY CREEK	<ul style="list-style-type: none"> • SCWA Home Raising Program: FY 2007-2008 – 6 × \$25,000 payments made. FY 2008-2009 – No applicants. FY 2009-2010 – No applicants. FY 2010-2011 – 1 × \$25,000 payment made. FY 2011-2012 – No applicants. FY 2012-2013 – No applicants. FY 2013-2014 – No applicants. FY 2014-2015 – No applicants. FY 2015-2016 – No applicants. FY 2016-2017 – No applicants. • Continuing to accept applications.
GIBSON CANYON CREEK	<ul style="list-style-type: none"> • Examining feasibility of using abandoned Vacaville sewage ponds as detention basins. • Report shows feasible project – report submitted to Vacaville and developer for review.
LEDGEWOOD CREEK	<ul style="list-style-type: none"> • Work completed for preliminary evaluation of open space / detention pond storage – not promising. • Project on hold for coordination with Suisun Creek Study.
SUISUN CREEK	<ul style="list-style-type: none"> • Solano Transportation Authority has contracted for a 2D computer model of the watershed (including LedgeWood) to look for flood control solutions. SCWA is participating in the study.
RIO VISTA	<ul style="list-style-type: none"> • Draft Pre-Feasibility Study to mitigate impacts of potential Yolo Bypass flood control projects completed. Partially funded by Sacramento Area Flood Control Agency. • SCWA / Rio Vista was selected as a project that will be funded through the Small Communities Flood Risk Reduction Program (SCFRRP). Coordinating with DWR and Wood Rodgers (our consultant) to finalize the scope of work to complete the feasibility study.’

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: OCTOBER 8, 1998

SUBJECT: FLOOD CONTROL ADVISORY COMMITTEE RECOMENDATIONS

RECOMMENDATION:

1. Approve the following duties for the Solano County Water Agency Flood Control Advisory Committee:
 - a. Serve as an advisor to Solano County Water Agency on flood control activities.
 - b. Provide a forum for hearing landowner flooding concerns.
 - c. Review and report to Solano County Water Agency Board on the progress of carrying out the Flood Control Master Plan.
 - d. Review and recommend flood control policy and priorities.
 - e. Review flood control budget considerations and assistance in seeking out funding alternatives.
2. Approve the membership of the Solano County Water Agency Flood Control Advisory Committee as follows:
 - a. Three representatives appointed by the Solano County Water Agency Advisory Commission.
 - b. One representative appointed by each of the (3) Resource Conservation Districts in Solano County.
 - c. Nine public members appointed by the Chair of the Solano County Water Agency to serve 2 year staggered terms.
3. Request a subcommittee of the former Flood Control Task Force to screen applicants for the public members and recommend applicants to the Chair of the Water Agency for appointment to the Committee. Geographic representation shall be a key criteria for selecting the public members.

FINANCIAL IMPACT:

None

BACKGROUND:

At the August 13, 1998 Board of Directs Meeting, the Board approved the continuation of the Flood Control Task Force as the Solano County Water Agency Flood Control Advisory Committee. The Board requested the Flood Control Task Force to come back to the Board with a recommendation on the duties of the committee and membership.

Recommended: _____
David B. Okita, General Manager

Continued on next page

Approved as
recommended

Other
(see below)

Modification to Recommendation and/or other actions: The Board of Directors modified Recommendation 3 to indicate that rather than have the SCWA Chairman appoint the Flood Control Advisory Committee, the Chairman would recommend appointments to the full Board, and the full Board would vote to accept or deny the Chairman's recommendation. The Board of Directors specified that the Flood Control Advisory Committee shall meet at least Bi-monthly.

I, David B. Okita, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on October 8, 1998 by the following vote.

Ayes: Directors Whiting, Carroll, Harris, Thomson, Kondylis, Coffelt, Gojkovich, Silva, Maginnis, Hayes, Flemming, Erickson, Pettygrove, Spering and Exline

Noes: None

Abstain: None

Absent: None

David B. Okita
General Manager & Secretary to the
Solano County Water Agency

The Flood Control Task Force met on August 26 and developed the recommendation specified above. They also identified a subcommittee made up of the following individuals to screen applications for recommendation for appointment to the Chair. The committee members are: Ed Cofelt, Mike Hardesty, Mac Maginnis, Joe Moore, Joe Martinez and Bill Evanikoff.

Once the membership categories of the Committee is approved by the Board, staff will issue press releases to all the newspapers in the County requesting applications for the public members. Staff will also mail an announcement to a flood control mailing list that staff has developed over the past several years of those who have concerns or complaints about flooding problems

The Flood Control Advisory Committee intends to meet bi-monthly with special meetings called if necessary. Meetings will be in the evening to encourage public participation and will be held generally at the Solano County Water Agency offices in Vacaville. The public member appointments will be for two year staggered terms. Some initial appointments may be for three years to create staggering.

SOLANO COUNTY WATER AGENCY FLOOD MANAGEMENT PROJECT FUNDING POLICY

(Approved by Board of Directors November 9, 2006)

Introduction

Consistent with its Flood Control Master Plan, the Solano County Water Agency (SCWA) has a program to develop watershed studies to identify projects that will solve or reduce flooding problems. SCWA staff works to implement feasible projects identified in the watershed studies. This policy will be used by SCWA staff and the SCWA Board of Directors to determine if these projects are cost effective and, if so, the role of SCWA in funding of the project, including consideration for cost sharing.

For each project brought to the SCWA Board of Directors for funding, SCWA staff will perform an analysis that will include how the project meets this policy. The SCWA Flood Control Advisory Committee will participate in project review and will provide a recommendation to the SCWA Board of Directors.

This policy does not apply to the SCWA Small Project Flood Control Grant Program.

Project Development

1. In developing projects to solve or reduce flooding problems, detention storage shall be considered, as detention storage generally has less of an impact to the environment and existing infrastructure and could be designed for multi-use benefits (such as recreation, habitat and farmland preservation) and could result in more funding partners. Additionally, detention storage can have a lower maintenance cost than projects that principally require channel maintenance.
2. For each project, the level of flood protection provided (i.e. from 25 year, 100 year storms) should be compared to recent (i.e., December 2002 and December 2005) major storms to see how flood protection improvements would fare under these recent large storms.
3. For projects in areas where there is a low density of homes or other structures that would benefit from a project, consideration of ring levees and flood walls around structures or elevating structures above the flood level shall be considered.
4. A commitment for permanent maintenance of project facilities shall be required for projects receiving SCWA funds. SCWA will consider performing maintenance provided a permanent funding source is determined.
5. Permanent maintenance easements dedicated to SCWA, or fee title, will be required for project facilities receiving SCWA funds if SCWA is to maintain the facilities.

Cost Effectiveness Test

1. Projects must demonstrate a benefit to cost ratio equal or greater than 1.0.
2. The calculation shall be methods used by FEMA or the US Army Corps of Engineers in their analysis of flood management projects: The present worth of project benefits is divided by the present worth of project costs (including long term maintenance costs).

Funding of Project Capital Costs

1. Only projects that have a cost benefit ratio equal or greater to 1.0 can be considered for SCWA participation in funding of capital costs.
2. If SCWA approves the project for funding, SCWA's contribution to the capital costs shall be a maximum of one third the project capital cost.
3. The amount of capital costs to be funded by SCWA for a project will be determined by the SCWA Board of Directors on an individual project basis. When determining the amount of project capital costs to be funded by SCWA, the following shall be considered:
 - a. Public vs. private benefits. Public benefits are protection of public facilities such as roads, schools, parks and other government owned properties. Public benefits also include protection of water supply and natural habitat areas. The principal private benefit is prevention of damage to private property. The justification for increased SCWA participation in the funding of project capital costs is increased with greater public benefit.
 - b. Contributions from other public agencies. Financial contributions to a project from other public agencies are encouraged and provide an incentive for SCWA participation in funding.
 - c. Contributions from private party beneficiaries. Financial contributions to a project from private party beneficiaries are encouraged and provide an incentive for SCWA participation in funding.

Funding of Project Maintenance Costs

1. SCWA intends that these types of flood management projects provide a source of funding for permanent ongoing operations and maintenance independent of SCWA. There may be certain circumstances where SCWA may assume partial or full operation and maintenance obligations for projects where there is a specific justification to do so, such as if a flood management project is associated with an existing project for which SCWA has maintenance responsibility for or is the local sponsor (i.e., Solano Project, State Water Project/North Bay Aqueduct, Ulatis, Green Valley, or any other future project that SCWA becomes responsible for maintenance or is the local sponsor).

2. SCWA will assist in the formation of assessment districts to collect charges for maintenance of projects.

Other Criteria

1. The land use agency or agencies upstream of a project must provide assurances that future land uses or activities not accommodated by the original project design will not adversely affect the completed project. Methods that could mitigate future impacts include: detention basins, grading restrictions, erosion control, etc. Land use agencies in the project area must further demonstrate that they are enforcing land use and flood management regulations so as to not aggravate existing flooding problems by allowing development in flood prone areas without adequate safeguards to protect the property from flooding.
2. The project must fit within available funding, considering SCWA's funding priorities pursuant to SCWA's Capital Projects Funding Plan and annual budget.
3. SCWA can provide technical assistance for locating grants and other outside funding.

Rationale

1. Any project that SCWA participates in funding must be sustainable, while protecting SCWA from liability. If SCWA constructs a flood management project, but lacks maintenance access or funding to perform maintenance, SCWA could be liable for flooding damages.
2. Local land use controls are important to ensure that the SCWA investment in a flood management project is not diminished by actions of other public agencies that could approve projects that would adversely impact how the project functions as designed or would aggravate flooding problems in the project area. The type of "assurance" that would be sufficient might vary case-by-case at the SCWA Board of Director's discretion.
3. Consistent with the SCWA Strategic Plan and Integrated Regional Water Management Plan, water supply projects and flood management projects, for which SCWA has a preexisting contractual obligation (such as the Ulatis and Green Valley Flood Control Projects), have a higher priority than these new, local flood management projects. However SCWA will consider funding of such flood management projects as they are developed in accordance with this policy.

SOLANO COUNTY WATER AGENCY



Guidelines for Assistance in Small Flood Control/Drainage Projects- 2008-2009 Program

A.) Introduction

The Solano County Water Agency has funding for eligible small flood control/drainage projects such as creek vegetation removal, debris removal, and limited erosion control and sediment retention. The purpose of this memorandum is to explain the process of how you can obtain assistance from the Water Agency. The Solano Resource Conservation District (SRCD) is managing this program on behalf of the Water Agency.

B.) Submission of Information

Attached is the application to be used. Describe the extent of the flooding and the frequency of the occurrence of flooding. Any historical information about the past flooding would also be helpful. Provide information about past or potential property damage from flooding.

SRCD staff can help you determine the type of work that is appropriate for the creek and the type of work that can be approved by regulatory agencies. Include a cost estimate of the work. SRCD staff can also help you with the cost estimate.

Attached is an example of the standard agreement property owners will be required to sign if your project is approved. Do not send this in with your application. Unless all property owners where the project will be done sign the agreement, the project will not be authorized for funding (an exception is made for studies and engineering). By submitting an application to us we assume that property owners will sign such an agreement.

C.) Project Eligibility

The following are criteria and requirements that will be used to judge project eligibility.

1. Landowner Permission/Waive Liability. Landowners will be required to sign an agreement (example attached) with the Water Agency, which grants permission for the work to be performed and to waive any liability claims against the Water Agency.



2. Benefit More Than One Landowner. A problem to be solved must impact more than just one property owner or is caused by something beyond the single property owner's control. For example, a clogged ditch overflows into more than one property or runoff from upstream properties runs into another property and causes drainage problems. The intent of these criteria is that the projects will benefit more than just one property owner. In most cases, a creek-cleaning project will benefit more than just one property owner.
3. No Significant Adverse Downstream Impact. This is a key criterion. Any work done with these funds must not adversely impact others downstream (or upstream). We do not simply want to transfer a flooding or drainage problem from one area to another. If there are downstream impacts, then the area impacted downstream perhaps needs to be included as part of the overall project. If downstream impacts cannot be resolved by inclusion of these properties, a study of the watershed may be needed to determine a coordinated course of action. We will be making engineering judgments on whether there are downstream impacts.
4. Landowners to Perform Ongoing Maintenance. As part of the agreement mentioned in criteria 1 above, the agreement will call for the landowner to continue regular normal maintenance of the creek after the initial cleaning is done. The intent of this provision is not to impose an open-ended responsibility on landowners. The responsibility is only to perform maintenance to upkeep the work that has already been done. For example, if large amounts of debris should accumulate on the property from upstream sources, the landowner would not be required to remove that debris as part of the agreement. Since these projects are generally on private property, we are assuming that the property owners will continue their responsibility for maintaining the creeks. For larger projects, you and your neighbors can form an assessment district where affected property owners fund ongoing maintenance. The Water Agency staff can provide technical assistance to you to set up such assessment districts.
5. 20% Landowner Contribution to Project Costs. Applicants are required to provide a 20% contribution to project costs. The contribution can be in the form of cash, provision of materials or labor. The Water Agency General Manager has the discretion to reduce the contribution requirements for special cases.
6. No Maximum Cost Limit. SRCD staff will work with you to estimate the cost of your proposed project. When developing a project, applicants need to be aware that there are limited funds available (approximately \$50,000).
7. Studies and Project Design. Studies and project design are eligible for funding.
8. Levee Repairs, Erosion Control, Tree Removal, and Sediment Retention Projects. If your project involves levee repairs, an erosion control, tree removal or sediment retention project, the following criteria also apply:
 - A. Large levee repairs may not be eligible under the small grant program.

- B. Tree removal projects are generally considered to be the landowner's responsibility and may not be eligible under the small grant program. If fallen trees are near a County Road or Bridge, Solano County personnel may be willing to remove the tree.
- C. The project must be on a stream that is an identified source of sediment.
- D. The erosion or sediment problem must have a direct impact on downstream flooding, for example a sediment from a gully plugging a road culvert and causing flooding.
- E. The original cause of the erosion problem must be beyond the landowners control to correct. For example, development in the upstream watershed has increased the flows to a channel which result in bank erosion; or channel downcutting below the property causing over-steep banks and bank erosion.
- F. The sole benefit of the project cannot be to protect the landowner home or property, while not reducing sediment production.
- G. Sediment retention projects meeting the above criteria are considered eligible for funding.

D.) Review Process

The criteria with which projects will be evaluated have been described above. If a project is rejected for not meeting one of the criteria, a written explanation will be provided to the contact person. A panel of reviewers may rank and prioritize projects. The Water Agency's General Manager will have final authority regarding which project will get funded. After the project is authorized, and the agreements are executed by all landowners, work can be scheduled and permits acquired.

E.) Project Phase

After SRCD staff have met with the landowner and visited the proposed site, the direction of the project will need to be determined. Depending on the complexity of the proposed project, a phased approach might be needed where the first phase is engineering design and the second phase is construction. Each phase of the project will require re-approval by the Water Agency to make sure funds are available. SRCD can help the landowner determine what phase the project should fall under.

F.) Design Phase

For projects that fall under the design phase, the landowner will need to work with a licensed engineer or hydrologist to prepare a (1) Scope of Work and (2) Total Cost to complete the design work. Once this is obtained, the landowner will need to submit the information to the SRCD for review. The SRCD will then work with the landowner to

further refine the study if needed and determine the cost-share. The typical cost-share for the small grant program is 20% landowner, 80% Water Agency as long as funding is available. If the landowner would like to proceed on the project, the landowner will need to sign an agreement with the Agency which will stipulate the cost-share and work to be completed. An example agreement is included at the end of this document.

G.) Construction Phase

For projects that fall under the construction phase, the landowner will first need to obtain necessary permits. The SRCD can assist the landowner with the permit process. Typical permits include the Army Corp of Engineers, the Regional Water Quality Control Board, the Department of Fish and Game, and a Grading Permit from Solano County. Once the permits are obtained, the landowner will need to obtain a bid from a licensed contractor. The landowner will then need to submit the information to the SRCD for review and to determine the cost-share. The typical cost-share for the small grant program is 20% landowner, 80% Water Agency as long as funding is available. If the landowner would like to proceed on the project, the landowner will need to sign an agreement with the Agency which will stipulate the cost-share and work to be completed. An example agreement is included at the end of this document.

H.) Reimbursement

The small grant program is a reimbursable grant, which means that the landowner will need to pay the engineer or contractor directly, and then submit invoices from the company that state "Paid in Full". Once the paid invoices are received the Water Agency will issue a check to the landowner. The reason for the reimbursement process is to prevent the transfer of liability to the Water Agency for the private flood control project, which would be undesirable for both the landowner and the Agency.

I.) Timing

The goal is to complete projects prior to the upcoming rainy season. The ability to complete the work depends on many factors including landowner cooperation, and availability of labor to perform the work and the permitting. It also depends upon when the rainy season starts.

(SRCD to determine is in initial deadline is desirable or take applications all year long)

J.) Help

SRCD staff can help you propose your project and prepare your application. We can provide maps and lists of property owners. We can visit sites with you and review the potential of downstream impacts. We can also tell you the type of work that regulatory agencies may allow in your particular situation. For assistance please contact Amy King at (707) 678-1655 ext 109 or e-mail at amyking@gmail.com.

If your project does not receive funding there are other options. As described previously, you and your neighbors can form an assessment district where property owners fund improvement and ongoing maintenance. The Water Agency staff can provide technical assistance to you to set up such assessment districts. These districts can be operated under the authority of the Water Agency. Additionally, if you choose to solve your problems without any funding from this program, we can also provide technical assistance to you and help you get the necessary permits.

FLOOD CONTROL – SMALL GRANT APPLICATION

I.) Contact Information:

Name _____

Date _____

Address _____

Telephone _____

II.) Description of the Flood Problem:

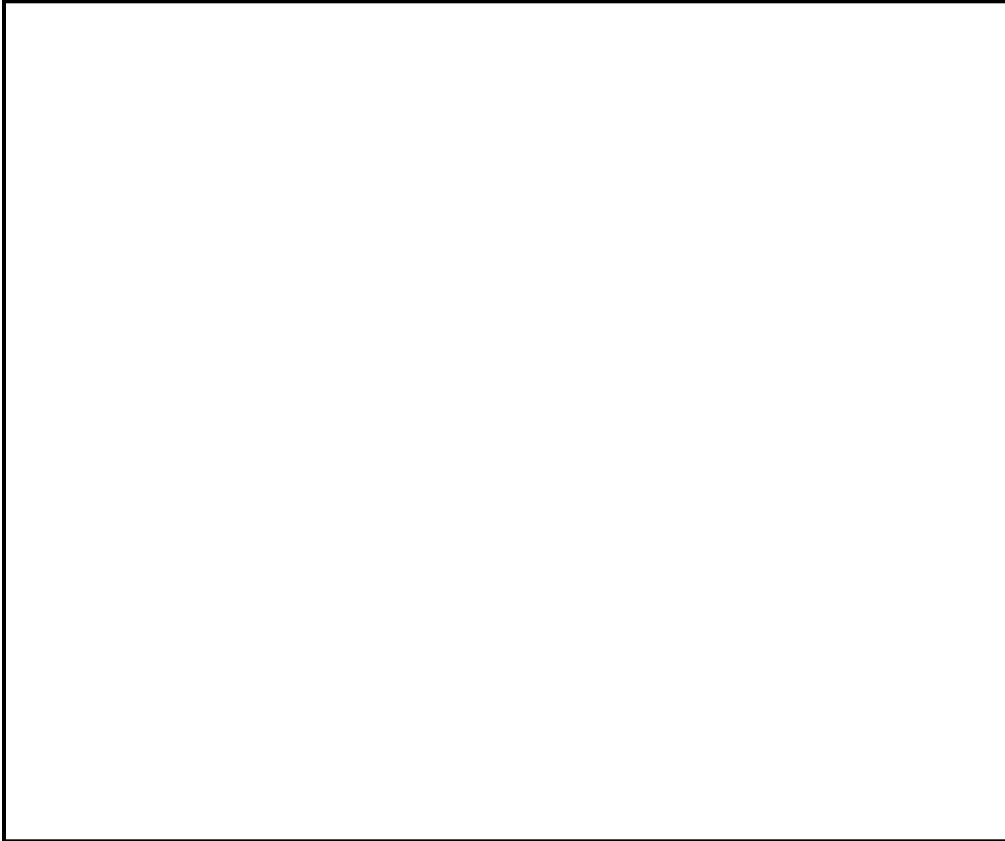
(What is happening, when does it happen, who is affected?)

III.) Identification and Solution to the Flood Problem:

(Where it is occurring and what is the solution?)

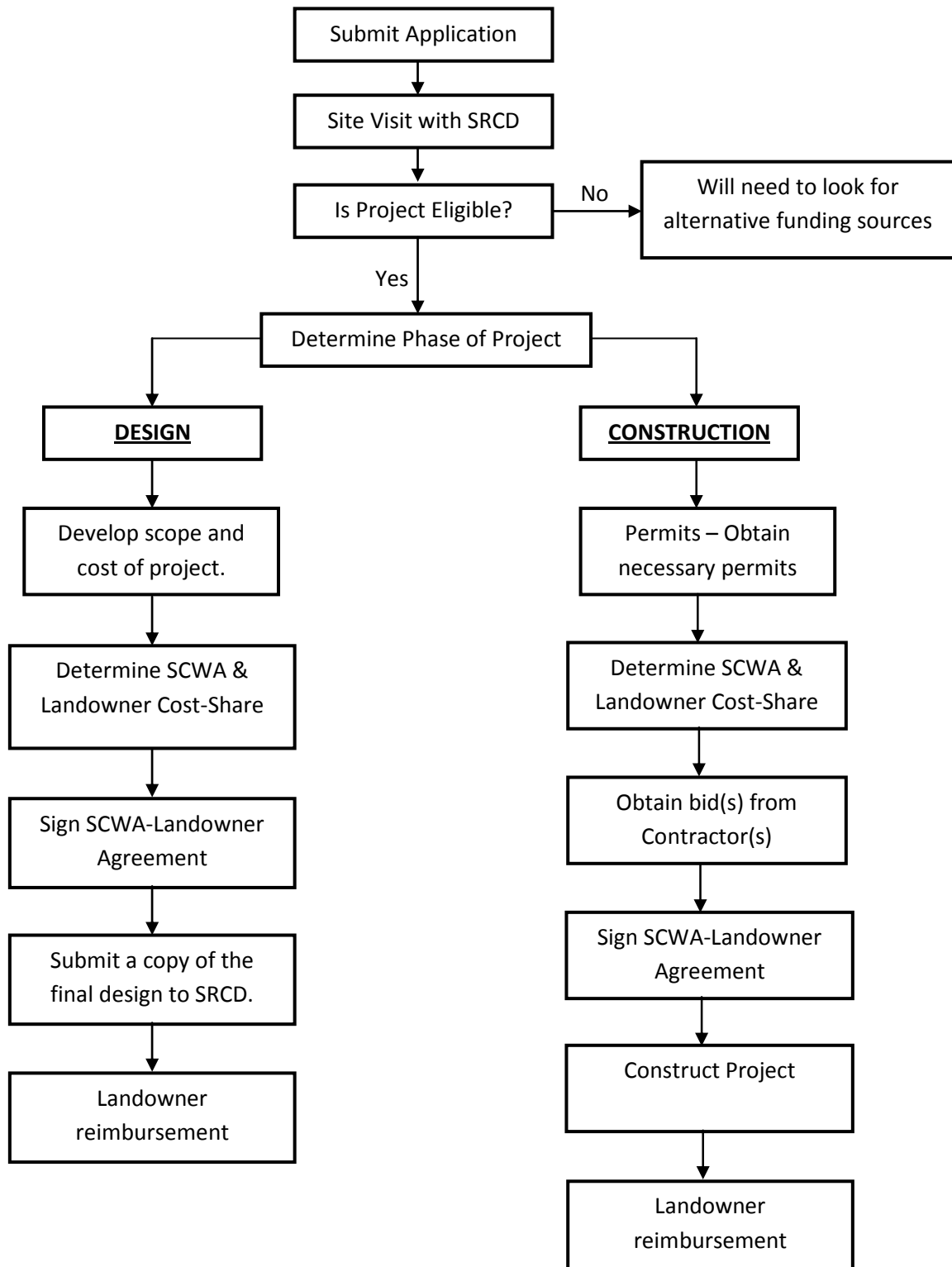
FLOOD CONTROL – SMALL GRANT APPLICATION

IV.) *Map:*
(General overview map showing creek, culverts, and roads. Photos can also be attached to the end of the application)



V.)

Figure 1 – Flowchart of the Small Grant Flood Control Process



**AGREEMENT BETWEEN PROPERTY OWNER
AND THE
SOLANO COUNTY WATER AGENCY
FOR
FLOOD CONTROL PROJECT**

This AGREEMENT BETWEEN PROPERTY OWNER AND THE SOLANO COUNTY WATER AGENCY FOR FLOOD CONTROL PROJECT ("Agreement") is entered into as of the day of , 2008 by and between _____ ("Owner") and the SOLANO COUNTY WATER AGENCY ("Agency").

1. Recitals.

A. Owner is the owner of certain real property described in Exhibit "A" attached hereto and by reference made a part of this Agreement ("Property").

B. The Agency has general authority to undertake projects to control flooding and storm waters within all of the Agency's boundaries in order to protect life and property from floods within the Agency.

C. The Agency Board of Directors has approved a limited program whereby the Agency provides assistance to property owners for cleaning creeks and ditches of vegetation, debris, and sediment and certain erosion control projects. The Agency has developed specific criteria for these projects and only projects meeting these criteria are approved. All these projects require all participating landowners to execute agreements similar to this Agreement.

D. The project, described in Exhibit "B", the Project Description, attached hereto and by reference made a part of this Agreement, hereinafter referred to as the "Project", has been specifically approved by the Agency.

2. Scope of Work. By their signature to this Agreement, the parties have agreed to the Project Description. Owner is responsible for all work to complete the Project.

3. Term. The term of this Agreement shall commence on the date of execution and shall continue thereafter as long as the Owner retains ownership of the Property. The Agency will not record this agreement with the County Recorder. If the Project is not completed by June 30, 2009, this agreement shall terminate.

4. Payment. Upon completion of the Project, as determined by the Agency, and upon submission of copies of invoices of the work done, payment of the lesser of 1) the total Project costs or 2) \$_____ shall be made by the Agency to the Owner.

5. Indemnity. To the fullest extent permitted by law, Owner will defend, indemnify and hold harmless the Agency, its directors, officers, employees, or authorized volunteers against any and all claims and demands of all persons arising out of or in any manner directly or indirectly connected with the work performed under this agreement, however caused, except for the sole negligence or willful misconduct or active negligence of the Agency its directors, officers, employees, or authorized volunteers. This indemnity shall survive the termination or expiration of this Agreement.

6. Permits and Compliance with Law. Owner shall obtain and maintain all governmental permits and approvals required for the activities conducted under this Agreement and shall comply with all statutes, ordinances, rules, regulations, orders and requirements now in effect or that become effective during the term of this Agreement applicable to its work to be undertaken pursuant to the Project Description.

IN WITNESS HEREOF, Agency and Owner have executed two (2) original copies of the Agreement as of the date first referenced above.

"Agency"

SOLANO COUNTY WATER AGENCY

By:

General Manager
P.O. Box 349
Elmira, CA 95625

"OWNER"

Parcel No. _____ et. al.

By:

_____,

EXHIBIT A – Property Description

Parcel Nos. _____

EXHIBIT B – Project Description

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FY 2016-2017 Flood Control Budget - Estimated Year End Expenditures

BUDGET	AMOUNT \$	Est. FY Expend	NOTES
Small Grant Program	\$50,000	\$75,000	Will go over budget, a lot of interest in this program
Sweeney Creek Home Raising	\$25,000	\$0	
Dixon Watershed Implementation Program	\$500,000	\$0	Contributions for New South Channel Project (contractual commitment)
SRCD - Small Grant Admin/Flood Hazard	\$30,000	\$30,000	
Watershed Plans	\$30,000	\$10,000	
FCAC Costs	\$1,500	\$2,200	
SCWA Staff	\$60,000	\$60,000	
Ulatis FC Project	\$950,000	\$700,000	All work/maintenance/R&B/etc.
Green Valley FC Project	\$120,000	\$60,000	All work/maintenance/R&B/etc.
TOTAL	\$1,766,500	\$937,200	

Proposed FY 2017-2018 Flood Control Budget

BUDGET	AMOUNT \$	NOTES
Small Grant Program	\$100,000	
Sweeney Creek Home Raising	\$25,000	
Dixon Watershed Implementation Program	\$500,000	Contributions for New South Channel Project (contractual commitment)
SRCD - Small Grant Admin/Flood Hazard	\$30,000	
Watershed Plans	\$100,000	
Suisun Creek Study (CBEC)	\$30,000	
FCAC Costs	\$2,500	
SCWA Staff	\$60,000	
Ulatis FC Project	\$1,000,000	All work/maintenance/R&B/etc.
Green Valley FC Project	\$150,000	All work/maintenance/R&B/etc.
TOTAL	\$1,997,500	