Proposal Full View

Print

Applicant Information

Organization Name	Town of San Anselmo *
Tax ID	**946000413**
Proposal Name	Memorial Park Detention Basin Project *
Proposal Objective	The Memorial Park Detention Basin Project advances all of the goals and nearly all of the objectives of the adopted Bay Area IRWMP. Details are provided in Section 1.10 of Attachment 3 Workplan. In summary, the Project contributes to the promotion of economic, social, and environmental sustainability by integrating flood reduction with recreational and public access enhancement, water supply, water quality, and ecosystem restoration in at an existing publicly-owned site. The Project contributes to improved water supply reliability by utilizing groundwater, which must be captured to keep the park play fields dry, for park irrigation and toilet use thereby reducing demand on the MMWD potable system and improving its reliability. The Project contributes to the protection and improvement of hydrologic function by daylighting and restoring the bed and bank of a buried culverted reach of creek, re-connecting it to its floodplain, and thereby restoring its natural hydrologic and geomorphic functions. The Project contributes to the protection and improvement of the quality of water resources by removing pollutants from stormwater, using a mechanical treatment device placed in a storm drain inlet, and from streamflow using natural processes of plant uptake and filtration along the daylighted and restored reach of creek. The Project contributes to the protection of public health, safety, and property by attenuating flood flows and thereby reducing flooding in the towns of San Anselmo, Ross, and unincorporated areas of Ross Valley farther downstream. The Project contributes to the creation, protection, enhancement, and maintenance of environmental resources and habitats by restoring riparian and aquatic conditions of the daylighted and restored reach of creek thereby restoring its natural biological and habitat functions. *

Budget

Other Contribution	$0.00
Local Contribution	$8,720,500.00
Federal Contribution	$0.00
Inkind Contribution	$0.00
Amount Requested	$8,720,500.00 *
Total Project Cost	$17,441,000.00 *

Geographic Information

Latitude *	DD(+/-)	37	MM	58	SS	59
Longitude *	DD(+/-)	122	MM	34	SS	1

Longitude/Latitude Clarification		Location
County		Marin *
Ground Water Basin		Ross Valley
Hydrologic Region		San Francisco Bay
Watershed	Bay Bridges	

Legislative Information

Assembly District	6th Assembly District *
Senate District	3rd Senate District *
US Congressional District	District 6 (CA) *

Project Information

Project Name: Memorial Park Detention Basin Project

Implementing Organization	Town of San Anselmo
Secondary Implementing Organization	
Proposed Start Date	8/15/2013
Proposed End Date	8/15/2016
Project Scope	Pre-construction and construction activities to convert an existing 8-acre park to a duel use park-detention basin facility.
	Project involves converting an 8-acre public park to a duel-purpose park and flood control detention basin. The park floor will be lowered by 10 ft average below existing grade, bounded along the southern and western sides by concrete wall structures and along the northern and eastern sides by cut slopes. Storm drain, sewer line, and water line beneath the park will be removed and relocated. Buried culverted creek in the park will be daylighted and restored to improve riparian and aquatic habitat and provide better public access and recreational opportunities. Tennis and basketball courts, kids play, and athletic fields will be rebuilt. Subsurface drainage system will keep the new playfields dry for public recreation and also provide a reliable and self-sustaining water supply for irrigating the rehabilitated park. This will reduce demand on municipal supplies and improve supply reliability.

Project Description	Trash rack and storm water quality improvement device will be installed at the inlet of the replaced storm drain to improve stormwater quality. Daylighted creek will be vegetated to restore the creek ecosystem, improve stormwater quality, and enhance the aesthetics of the creek environment. Park will be rehabilitated to extend wet-weather functionality and provide enhanced recreation and public access. Basin outlet will normally be kept open to pass normal flows, and the basin will normally be kept empty to allow public recreation. In extreme storms, the outlet gate will be closed and water will back-up and fill the basin. Excessive flood flows will spill over an internal semi-circular glory hole spillway and pass on through to the existing culverted reach of creek below the basin (Note: Creek joins floodprone San Anselmo Creek about 0.5 mile downstream of Memorial Park). When full, basin water depths will reach a maximum of 14 feet at the southern end, inundate 7 acres, detain 79 acre-feet of floodwater, and reduce peak flood flows by 200 cfs.
Project Objective	Project objectives are to reduce floodflows in floodprone San Anselmo Creek by up to 200 cfs for the 100-year flood; improve stormwater quality in discharges to Sorich Creek; reduce water demand by 7 acre-feet per year and improve the reliability of the municipal supplies; daylight and restore 650 ft of culverted creek; improve public access to the creek, park, and enhance public recreation.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	8720500
Federal Contribution	0
Inkind Contribution	0
Amount Requested	8720500
Total Project Cost	17441000

Geographic Information

Latitude DD(+/-)	37	MM	58	SS	59
Longitude DD(+/-)	122	MM	34	SS	1
Longitude/Latitude Clarification			Location		

County Marin Ground Water Basin Ross Valley Hydrologic Region San Francisco Bay WaterShed

Bay Bridges

Legislative Information

Assembly District	6th Assembly District
Senate District	3rd Senate District
US Congressional District	District 6 (CA)

Section : Applicant Information Question Tab

APPLICANT INFORMATION QUESTION TAB

Q1. PROPOSAL DESCRIPTION

Provide a brief abstract of the Proposal, including a listing of individual project titles.

This Proposal contains a single project, the Memorial Park Detention Basin Project. This Proposal requests Proposition 1E IRWM Grant Program funding for the Town of S Anselmo Memorial Park Detention Basin Project. It is complete and fully responsive to the application instructions given in the Proposal Solicitation Package (final) date November 2012. It fully addresses the evaluation criteria by thorough and well-presented documentation and logical rationale. The Project is consistent with the purpose of IRWM Grant Program in that it provides multiple resource benefits and integrates a regional strategy for management of water resources, with flood management at its cor Although the Project is a keystone component of the overarching Ross Valley Flood Reduction and Watershed Management Program, which is administered by Marin County funded by a drainage fee parcel assessment, the Project has independent function and utility and can provide multiple public benefits on its own. Project benefits include flo reduction, water supply reliability, stormwater quality improvement, ecosystem restoration, and public access and recreational enhancement. The Project involves converting existing 8-acre public park to a duel-purpose park and flood control detention basin. The detention basin will reduce flooding downstream in floodprone communities, includ the towns of San Anselmo and Ross which, according to FEMA, rank 7th and 10th among all communities in California for NFIP claims paid. The detention basin will be for by lowering the park floor by about 10 ft on average below existing grade. An existing buried culverted creek passing along the eastern edge of the park will be daylighted a restored to improve riparian and aquatic habitat, induce groundwater recharge through creekbed infiltration, improve creek water quality through natural filtration processes, provide better public access and recreational opportunities. Tennis and basketball courts, kids play, and athletic fields will be rebuilt on the lowered park floor. Subsurface dra system will keep the new playfields dry for public recreation and also provide a reliable and self-sustaining groundwater supply for irrigating the rehabilitated park. This w reduce demand on municipal supplies and improve supply reliability. Trash rack and storm water quality improvement device will be installed at the inlet of a storm drain pas through the park to improve stormwater quality. Basin outlet will normally be kept open to pass normal creek flows, and the basin will normally be kept empty to allow pub recreation. In extreme storms, the outlet gate will be closed and water will back-up and fill the basin. Excessive flood flows will spill over an internal semi-circular glory ho spillway and pass on through to the existing culverted reach of creek below the basin (Note: Creek joins floodprone San Anselmo Creek about 0.5 mile downstream of Mem Park). When full, basin water depths will reach a maximum of 14 feet at the southern end, inundate 7 acres, detain 79 acre-feet of floodwater, and reduce downstream peak f flows by 200 cfs.

Q2. PROJECT DIRECTOR

Provide the name and details of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Debra Stutsman, Town Manager, Town of San Anselmo 525 San Anselmo Avenue San Anselmo, CA 94960 (415) 258-4652

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Sean Condry, P.E. Public Works and Building Director, Town of San Anselmo, Public Works 525 San Anselmo Avenue San Anselmo, CA 94960 415-258-4676 scondry@townofsananselmo.org

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

Applicant: Town of San Anselmo 525 San Anselmo Avenue San Anselmo, CA 94960. Contact information of the person filling out the online application: Xiaoqing Zeng, P PE Supervising Engineer, Stetson Engineers Inc. 2171 E. Francisco Blvd, Suite K San Rafael, CA 94901 (415)457-0701 xiaoqingz@stetsonengineers.com

Q5. ADDITIONAL INFORMATION

Provide the IRWM funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/grants/fundingarea.cfm

San Francisco Bay Area

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

http://www.waterboards.ca.gov/waterboards_map.shtml

San Francisco Bay Regional Water Quality Control Board

Q7. ELIGIBILITY

Is the application from an IRWM region approved in the Region Acceptance Process (RAP)? To verify, see RAP website: http://www.water.ca.gov/irwm/grants/rap.cfm . If yes, include the name of the IRWM region. If not, explain.

Yes. San Francisco Bay Area

Q8. ELIGIBILITY

Please specify whether the applicant is a local public agency or non-profit organization as defined in Appendix B of the 2012 Guidelines.

The Town of San Anselmo is a local agency as defined in Appendix B of the 2012 Guidelines.

Q9. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and e-mail address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420, see Attachment 10. If there are none, so indicate and answer "NA" for Q10 and Q11.

None

Q10. ELIGIBILITY

Have all of the urban water suppliers, listed in Q9 above, submitted complete Urban Water Management Plans (UWMPs) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete plan.
Answer "NA" if no urban water supplier identified in Q9 above.

NA

Q11. ELIGIBILITY

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program on or after November 1, 2012? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section III.B of the 2012 Guidelines for additional information.

Answer "NA" if no urban water supplier identified in Q9 above.

NA

Q12. ELIGIBILITY

Does the Proposal include any groundwater projects or other projects that directly affect groundwater levels or quality? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

Answer "NA" if the Proposal does not include groundwater projects or other projects that directly affect groundwater levels or quality.

The proposed Memorial Park Detention Basin Project includes a subsurface drain system consisting of drain pipes designed to keep the grass field dry and useable for recreati

controlling groundwater seepage. Also included in the project are wells. Groundwater captured and collected by the drain system and wells will provide the water supply f irrigating the grass fields during the dry season when irrigation is needed. The Town of San Anselmo will operate and maintain the subsurface drain system and wells. Operati the subsurface drain system and wells has the potential to impact groundwater by lowering groundwater levels in the vicinity of the park. In addition, the proposed Memorial Detention Basin Project includes daylighting Sorich Creek, which consist of removing the existing buried concrete culvert and restoring the natural channel bed and bank. T restored creek will recharge groundwater via infiltration through the restored creek bed and bank. The Town of San Anselmo will implement the project. The Town consents subject to a GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC ?10753.7. To date, there is no GWMP for the Ross V Groundwater Basin.

Q13. ELIGIBILITY

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding Groundwater Management Plans (GWMPs), as described in Section III.B of the 2012 Guidelines?

Answer "NA" if the Proposal does not include groundwater projects or other projects that directly affect groundwater levels or quality.

The Town of San Anselmo consents to be subject to a GWMP, basin-wide management plan, or other IRWM program or plan that meets the requirements of CWC ?10753.7 date, there is no GWMP for the Ross Valley Groundwater Basin.

Q14. ELIGIBILITY

List the agricultural water suppliers that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, so indicate and answer "NA" for Q15.

None

Q15. ELIGIBILITY

Have all of the agricultural water suppliers, listed in Q14 above, submitted complete Agricultural Water Management Plan to DWR? Have those plans been verified as complete by DWR? If the plan has not been submitted, please indicate the anticipated submittal date.
Answer "NA" if no agricultural water suppliers were identified in Q14 above.

NA

Q16. ELIGIBILITY

List the surface water diverters that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, so indicate and answer "NA" for Q17 below.

None

Q17. ELIGIBILITY

Have all of the surface water diverters, listed in Q16 above, submitted surface water diversion reports in compliance with requirements outlined in Part 5.1 (commencing with §5100) of Division 2 of the CWC? If not, explain and provide the anticipated date for meeting the requirements. Answer "NA" if no surface water diverters identified in Q16 above.

NA

Q18. ELIGIBILITY

List the groundwater users that will receive funding from the proposed grant. Please provide the agency/organization name, a contact phone number and e-mail address. If there are none, so indicate and answer "NA" to Q19.

None

Q19. ELIGIBILITY

Have all of the groundwater users, listed in Q18 above, met the requirements of DWR's CASGEM Program: http://www.water.ca.gov/groundwater/casgem/? If not, explain and provide the anticipated date for meeting the requirements. Answer "NA" if no groundwater users were identified in Q18 above.

NA

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY REQUIREMENTS

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Last Uploaded Attachments: Att1_SWF_Eligible_1of1.pdf

Upload additional Authorization and Eligibility documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

ATTACHMENT 2: PROOF OF FORMAL ADOPTION

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can uploaded to this upload field. Max file name: 50 character.

Last Uploaded Attachments: Att2_SWF_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Upload additional Proof of Formal Adoption documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

ATTACHMENT 3: WORK PLAN

Upload the Work Plan here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.
Last Uploaded Attachments: Att3_SWF_WorkPlan_1of2.pdf,Att3_SWF_WorkPlan_2of2.pdf

Upload additional work plan components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Upload additional work plan components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Upload additional work plan components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

ATTACHMENT 4: BUDGET

Upload the Budget documents here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.
Last Uploaded Attachments: Att4_SWF_Budget_1of1.pdf

Upload additional budget components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Upload additional budget components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

Upload additional budget components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 character.

ATTACHMENT 5: SCHEDULE

Upload the Schedule here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.
Last Uploaded Attachments: Att5_SWF_Schedule_1of1.pdf

Upload additional schedule components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Upload additional schedule components here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Last Uploaded Attachments: Att6_SWF_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Upload additional Monitoring, Assessment, and Performance Measures here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

ATTACHMENT 7: TECHNICAL JUSTIFICATION OF PROJECTS

Upload Technical Justification of Projects here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.
Last Uploaded Attachments: Att7_SWF_TechJust_1of1.pdf

Upload additional Technical Justification of Projects here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Upload additional Technical Justification of Projects here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

ATTACHMENT 8: BENEFITS AND COST ANALYSIS

Upload Benefits and Cost Analysis here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.
Last Uploaded Attachments: Att8_SWF_BenCost_1of1.pdf

Upload additional Benefits and Cost Analysis documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Upload additional Benefits and Cost Analysis documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

ATTACHMENT 9: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.
Last Uploaded Attachments: Att9_SWF_Preference_1of1.pdf

Upload additional Program Preference documentation here, if necessary.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

ATTACHMENT 10: GWMP, AB 1420, AND WATER METER COMPLIANCE INFORMATION

If your proposal does not include 1) a groundwater project or a project that directly affects groundwater levels or quality, or 2) an urban water supplier who would receive grant funding, you MUST still upload a document that indicates this attachment is not applicable to your proposal. If the upload field to this attachment is left blank, your proposal cannot be saved or completed.

Upload GWMP, AB 1420, and Water Meter Compliance documents here. Ensure file name is consistent with Section V of the Stormwater Flood Management PSP.

Max file size: 50 MB per file. Up to five files can be uploaded to this upload field. Max file name: 50 characters.

Last Uploaded Attachments: Att10_SWF_SelfCert_1of1.pdf