### **ROILING PERMIT APPLICATION**

Please see list of requirements below.

By placing my contact information (name, address, phone number, email address, etc.) on this application form and submitting it ta the Sonoma County Permit and Resource Management Department (Permit Sonoma), I understand and authorize Permit Sonoma ta post the application to the internet far public information purposes, including my contact information.

INFORMATION WITHIN HEAVY UNE TO BE COMPLETED BY APPLICANT SITE LOCATION INFORMATION—PRINT CLEARLY         Site Address(es) 5005 Alpine Rd.       City Santa Rosa         APN 028-090-004       River or Stream Name Mark West Creek         Anticipated Work Start Date August 1, 2021       Estimated Completion Date October 15, 2021         Type of Work (check one)       To perform construction work on riparian property adjacent to a river or stream       If To perform construct temporary bridges, dikes, damns and settling ponds         APPLICANT: CHECK ALL THAT APPLY       Owner       Engineer       Architect       Contractor       Other         Name       Aaron Fairbrook       Company Sonoma Resource Conservation District       Maling Address       Zip 95405         Hone (707) 559-1448       Fax       E-mail alairbrook@sonomarcd org       Company Sonoma Resource Conservation District         Name       MAIN CONTACT PERSON       Xiale       Zip         Signature       Same as Applicant       Owner       Ermail         Company       Phone       Fax       Zip         Company       Phone       Zip       Architect       Contractor       Other         Name       Malin Eddress       Signature       Zip       Discource       Zip         Mame       Malin CONTACT PERSON       Sare       Zip       Di	Submittal Date	Permit Number ROI
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Fees		



Revised: 03/16/2018



## **General Information**

The Board of Supervisors approves all roiling permits under Section VIII of the Water Clarity Ordinance of the County of Sonoma, Ordinance No. 3836R (Chapter 23 of the Sonoma County Code).

A complete application must be submitted to Permit Sonoma a minimum of <u>eight weeks</u> before the start of project.

# Work cannot start until after the Sonoma County Board of Supervisors has approved the application for a Roiling Permit.

Ordinance No. 3836R is an initiative measure adopted by the electorate of Sonoma County on June 7, 1988. The Ordinance requires that a roiling permit be issued prior to performing the types of work described on the application form. The permit can only be issued upon a four-fifths vote of the Sonoma County Board of Supervisors and only for a maximum period of 30 days. Permits may be extended for additional 30 day periods upon an additional four-fifths vote of the Board of Supervisors. The Board designated the Permit and Resource Management Department (Permit Sonoma) as the administering agency of this Ordinance.

Permit applications are filed at Permit Sonoma, 2550 Ventura Avenue, Santa Rosa, California 95403, by mail or in person. Roiling permits are subject to CEQA. Applications by other than public agencies must be accompanied by evidence that the proposed work or operations have been submitted for review to the Permit and Resource Management Department pursuant to Article III of Chapter 23A of the Sonoma County Code. Such applications shall not be deemed completed until such environmental review has been completed. Applications by departments of the County of Sonoma must be accompanied by evidence of compliance with Article II of Chapter 23A of the Sonoma County Code. Applications by other public agencies must be accompanied by either a Notice of Determination or a Notice of Exemption filed by such public agency pursuant to the California Environmental Quality Act (CEQA).

Because the ordinance requires each permit to be authorized by a four-fifths vote of the Board of Supervisors, the issuance of a permit requires at least two weeks after compliance with CEQA requirements have been demonstrated (but cannot occur until the Board takes action at a regularly scheduled Board meeting).

The categories of work described on the application form may require an Agreement Regarding Proposed Stream or Lake Alteration with the California Department of Fish and Wildlife pursuant to Section 1601 et seq. of the California Fish and Wildlife Code and waste discharge requirements issued by a Regional Water Quality Control Board pursuant to the Porter-Cologne Water Quality Control Act (commencing at Section 13000 of the California Water Code). The work may also require a permit issued by the United States Army Corps of Engineers pursuant to Section 404 of the Federal Clean Water Act. In addition, the work may be subject to other Federal, State, and local governmental regulations. It is the applicant's responsibility to comply with all applicable laws and regulations.



Revised: 03/16/2018



### **Attachment A: Detailed Statement of Project**

This Project lies within the Mark West Creek Watershed in the hills east of Santa Rosa, California in Sonoma County. This is a grant-funded restoration project, the purpose of which is to prevent erosion and sedimentation into nearby streams. Most Project features are in close vicinity and along both sides of main stem Mark West Creek, an important salmonid bearing stream. Project access is via Alpine Road. To enter the private property entrance located at 5005 Alpine Road, take US 101 to Hwy 12 East, turn left on Calistoga Road, stay on Calistoga Road for 4.5 mi to Alpine Road, turn left on Alpine Road.

Proposed erosion and sediment control and erosion and sediment prevention treatments for the entire project include:

- 1) upgrading treatments at 10 stream crossing with culverts,
- 2) installing 2 armored fill crossings on low use roads,
- 3) 1 area of excavation to provide bank stabilization,
- 4) 3 instream grade control structures,
- 5) 11 trash racks to reduce culvert plug potential,
- 6) 11 critical dips to eliminate diversion potential.

A total of 142 cubic yards of rock armor will be placed on fill-slopes or used at grade control structures of upgraded stream crossings. One of the upgraded stream crossing culverts will require dewatering the stream. One of the stream crossings requires fully decommissioning and restoring the natural stream channel configuration. Road-related features requiring secured permits before implementation include 16 road-related sediment source features: 15 stream crossings and 1 location of bank erosion.

The Roiling permit is sought for one site (Site V-15) and potentially another site (G-4) which may be dry by the time we do construction. Site V-15 has a very old concrete box culvert on a perennial stream that flows into Mark West Creek with the inlet adjacent to barn and outlet suspended 10 above existing channel bottom. The culvert is located in a high use area with utilities underground and several barns and parking areas.

Site V-15 will execute a dewatering plan and work with a qualified biologist for timing and wildlife removal. Excavating will take place along 120', removing the old concrete box culvert and replacing it with a 48" x 120' long CMP at base of fill. The inlet will be moved downstream 20' to not disturb barn foundation. The new outlet will be moved 30' downstream and the flow centered so to reduce future scour in the entrenched channel. A 8' tall galvanized post trash rack will be installed 4' above the new inlet and a critical dip will be installed on the left hinge of the crossing to eliminate diversion potential.

Site G-4 has a Class II stream that is conveyed under the road via an 18" CMP. The 18" culvert is rusting out and outlets on a concrete apron. The downstream banks are steep and eroding before the stream merges with Mark West Creek. The project will consist of replacing the 18" rusted culvert with a elliptical CMP (36" x 60") x 30' long at the base of the fill and under utilities. The road width will be increased one foot to 11' wide and the road will be raised by 0.5' to insure a 1' covering over the utility cables. Rock armor will be placed on the inlet and outlet side with a trash rack located near the inlet, and additional rock at the outlet to act as an energy dissipator. The creek usually dries up by August and this site may be done near the end of the construction window to give time for the creek to be dry.

The project will follow all guidelines of the obtained permits and is covered by CEQA through the LandSmart Program Mitigated Negative Declaration of Sonoma Resource Conservation District. Work will be done between August 1<sup>st</sup> and October 15<sup>th</sup>. Work will only occur during dry weather. Heavy machinery will stay out of the creek when performing the work. Refueling of equipment will not occur within 175 feet of the stream. A dewatering and rescue plan will be in place and a qualified biologist utilized for wildlife relocation as well as a biological monitor to actively look for any wildlife in danger during construction. Erosion control measures, such as silt fences, straw hay bales, gravel or rock lined ditches, water check bars and broadcasted straw will be used wherever sediment has the potential to leave the work site and enter the river, stream, or lake. None of the erosion control supplies will have monofilament. Spill kits will be on the work site.

#### Attachment B: Map