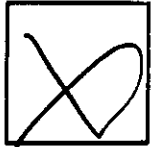


Type



Plans

GRDOG-0118

Permit Number

22507

Street Number

River Rd

Street Name

GEY

Community Code

141-190-057

APN

COUNTY OF SONOMA - PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900 FAX (707) 565-1103

Please Print Your Name: _____	Date Applied: _____
-------------------------------	---------------------

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY																											
Site Address: 22507 River Rd	City: Geyserville	ZIP: _____																									
Cross-Street: _____	APN: 141-190-051	Project Phone #: 956	Project Fax #: ()																								
Directions: _____	Subd. Name: _____	Unit #: _____	Lot #: _____																								
Describe Project: Erosion control grading for vineyard protection debris filter		Contract Price: _____																									
OWNER NAME AND ADDRESS		APPLICANT NAME AND ADDRESS																									
Name: Mark Trione		Name: Jake Tankersley																									
Mailing Address: PO Box 576		Mailing Address: Vimark Winery																									
City: Geyserville	State: CA	ZIP: 95401	City: _____																								
Day Ph: ()	Fax: ()	Day Ph: ()	Fax: ()																								
CONTRACTOR INFORMATION		OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)																									
Company Name: _____		Name: _____																									
Address: _____		Address: _____																									
City: _____	State: _____	City: _____	State: _____																								
Day Ph: ()	Fax: ()	Day Ph: ()	Fax: ()																								
WORKER'S COMPENSATION DECLARATION I hereby affirm under penalty of perjury one of the following declarations: <input type="checkbox"/> I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. <input type="checkbox"/> I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are: Carrier _____ Policy No. _____ (This section need not be completed if the permit is for one hundred dollars (\$100) or less.) <input type="checkbox"/> I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions. Exp. Date: _____ Applicant: _____ WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.		CONSTRUCTION LENDING DECLARATION I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civ. C.) Lenders Name: _____ Lenders Address: _____																									
OWNER-BUILDER DECLARATION I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).): <input type="checkbox"/> I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.) <input checked="" type="checkbox"/> I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.) <input type="checkbox"/> I am exempt under Sec. _____, B & P.C. for this reason: _____ Date: 5/8/06 Owner: John Tankersley		LIA 200 DEPARTMENT USE Zoning: File # 2, BR Existing Use/Structures: _____ Proposed Use/Structures: _____ Zoning Min. Yard Requirements: Front _____ Left _____ Right _____ Back _____ NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. <input type="checkbox"/> Mitigation Required <input type="checkbox"/> Address subject to change Approval for Permit Issuance: _____ Approval for Occupancy: _____ By: _____ By: _____ Date: _____ Date: 10-12-06 Conditions: _____																									
LICENSED CONTRACTOR'S DECLARATION I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect. Lic. Class _____ Lic. No. _____ Exp. Date _____ Contractor _____		Sewer Connection: <input type="checkbox"/> Available <input type="checkbox"/> Fees Paid Approved by: _____ Date: _____ Road Encroachment: <input type="checkbox"/> Fees Paid N/R, Private road Approved by: C. Oganich Date: 05-25-2006 Septic System Permit/Clearance # _____ Approved by: R.S.F. Date: 5/25/06 Flood Zone: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 100 Year Flood Elevation: _____ Site Review _____ Drainage Review: _____ Approved by: Roy Cullen Date: 28 Aug 06 Fire: _____ Approved by: _____ Date: _____ Code Enforcement Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Violation # _____ This permit is limited to _____ days.																									
ASBESTOS DECLARATION Written asbestos notification pursuant to Part 61 of Title 40 of the Code of Federal Regulations is required when asbestos exists in buildings, or portions thereof, undergoing demolition. I hereby declare that demolition authorized by this permit is from construction that <input type="checkbox"/> does <input type="checkbox"/> does not contain asbestos, or that <input type="checkbox"/> no demolition is authorized by this permit. I certify that I have read this application and affirm under penalty of perjury that the above information is correct. I agree to comply with all local Ordinances and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption for the Worker's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Worker's Compensation law, this permit shall be deemed revoked. PERMITTEE SIGNATURE: _____ ADDRESS: Vimark Winery CITY: _____ ZIP: _____ <input type="checkbox"/> Contractor <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Other Licensed Professional		Work Authorized: Construct berm that allows floodwaters to pass but prevents wood and debris from entering vineyard. Construct outside of fireway corridor. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2"><input checked="" type="checkbox"/> Plans Approved</td> <td colspan="2"><input type="checkbox"/> Post FIRM</td> <td colspan="2"><input type="checkbox"/> Aquist Priolo Report Available</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> No Plans Subject to Field Inspection</td> <td colspan="2"><input type="checkbox"/> Pre FIRM</td> <td colspan="2"><input type="checkbox"/> Geotechnical report Available</td> </tr> <tr> <td>Plancheck Cleared By: _____</td> <td>Date: 28 Aug 06</td> <td>Type of Construction: _____</td> <td>Occupancy: _____</td> <td>No. of Stories: _____</td> <td>No. of Bedrooms: _____</td> </tr> <tr> <td>Permit Cleared for Issuance by: _____</td> <td>Date: 10/13/06</td> <td>Auto. Fire Sprinklers Req'd: _____</td> <td>No. of Units: _____</td> <td colspan="2">Certificate of Occupancy: _____</td> </tr> </table> <div style="border: 2px solid black; padding: 5px; text-align: center; margin-top: 10px;"> APPROVED OCT 20 2006 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT COUNTY OF SONOMA </div>		<input checked="" type="checkbox"/> Plans Approved		<input type="checkbox"/> Post FIRM		<input type="checkbox"/> Aquist Priolo Report Available		<input type="checkbox"/> No Plans Subject to Field Inspection		<input type="checkbox"/> Pre FIRM		<input type="checkbox"/> Geotechnical report Available		Plancheck Cleared By: _____	Date: 28 Aug 06	Type of Construction: _____	Occupancy: _____	No. of Stories: _____	No. of Bedrooms: _____	Permit Cleared for Issuance by: _____	Date: 10/13/06	Auto. Fire Sprinklers Req'd: _____	No. of Units: _____	Certificate of Occupancy: _____	
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JOB ADDRESS: 22507 River Rd
PERMIT NUMBER: GR006-0118
INSPECTION AREA: 9

Final Date: 10/14/09	Inspector: [Signature]
-----------------------------	-------------------------------

THIS PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT

131) SPECIAL INSPECTION REQUIRED		<input type="checkbox"/> YES	<input type="checkbox"/> NO	IF YES, SEE ADDITIONAL SHEET
INSPECTION RECORD	DATE	NAME	REMARKS	
101) ROUGH GRADING	7/1/07	Alvarez	7/1/07	rough grading looks fine.
103) FOUNDATION				Project will be placed in things throughout for permit town.
FORMS/SETBACK				
FOOTING				
WALLS				
106) UFER GROUND #				
104) CAISSONS/PIERS				
105) SLAB				
107) UNDERGROUND UTILITIES				
110) MASONRY				
109) RETAINING WALLS				
113) FIREPLACE				
FOOTING				
HEARTH/PROTECTION				
THROAT				
114) CHIMNEY				
120) UNDERFLOOR/UNDERSLAB				
115) HYDRONICS				
116) U/F ELECTRICAL				
117) U/F MECHANICAL				
118) U/F PLUMBING				
119) U/F FRAMING				
139) U/F INSULATION				
126) SHEAR WALLS				
<input type="checkbox"/> INTERIOR	<input type="checkbox"/> EXTERIOR			
127) DIAPHRAGMS				
<input type="checkbox"/> ROOF	<input type="checkbox"/> FLOOR			
134) SIDING/SHEATHING				
125) HOLD DOWNS				
132) CLOSE-IN				
122) ROUGH ELECTRICAL				
123) ROUGH MECHANICAL				
124) ROUGH PLUMBING				
128) ROUGH FRAME				
160) SMOKE DETECTORS				
139) INSULATION				
142) WALLBOARD				
143) FIREWALLS				
135) STUCCO/PLASTER				
<input type="checkbox"/> LATH	<input type="checkbox"/> SCRATCH			
137) ROOFING				
130) TUB/SHOWER PAN				
162) FIRE DAMPERS/DOORS				
164) SUSPENDED CEILING				
<input type="checkbox"/> ROUGH ELEC.	<input type="checkbox"/> ROUGH MECH.			
165) EXITING - RAMPS/STAIRS				
163) HANDRAILS/GUARDRAILS				
CORRIDORS/DOORS				
166) ACCESSIBILITY COMPLIANCE				
144) WATER TANKS				
<input type="checkbox"/> SLAB	<input type="checkbox"/> WALLS			
170) TEMPORARY OCCUPANCY				
171) TEMPORARY ELECTRICAL				
172) TEMPORARY GAS				
174) ELECTRIC METER AUTHORIZATION				
152) PANEL BOARDS/SERVICE				
189) SEPTIC ELECTRIC FINAL				
175) GAS METER AUTHORIZATION				
153) GAS PRESSURE TEST				
HOUSE	YARD			
190) MANUF. HOME FOUNDATION				
191) MANUF. HOME INSTALLATION				
CONTINUITY				
STAIRS/SKIRTS				
RIDGE BOLTING				
193) MANUF. HOME COND. FINAL				
SWIMMING POOLS				
194) PRE-GUNITE				
195) PRE-DECK				
196) PRE-PLASTER/FENCE				
197) VINYL/FIBERGLASS POOL EXCAVATION				
102) GRADING FINAL				
176) ELECTRICAL FINAL				
177) MECHANICAL FINAL				
178) PLUMBING FINAL				
199) FINAL	10/14/09	KOE		
OCCUPANCY (OK TO OCCUPY)				
650) SUSMP INSPECTION				
651) NPDES EROSION COMPLIANCE				
652) NPDES SEDIMENT COMPLIANCE				
653) NPDES DOCS/SWPPP				
FIRE INSPECTION REQUIRED		DATE	NAME	
<input type="checkbox"/> Yes <input type="checkbox"/> No				
759) KNOX BOX				
760) PROPANE TANK HOLD DOWNS				
770) SPRINKLER FINAL				
771) ABOVEGROUND HYDROSTATIC				
772) UNDERGROUND HYDROSTATIC				
773) UNDERGROUND FLUSH				
774) THRUST BLOCKS				
775) PIPE WELD				
776) HYDRANTS/APPLIANCES				
777) PUMP ACCEPTANCE				
778) WATER SUPPLY/TANK				
779) ALARM SYSTEM				
780) HOOD & DUCT SYSTEM				
781) ABOVEGROUND TANK/DISPENSER				
198) FIRE FINAL				
CLEARANCES:				
FIRE		<input type="checkbox"/> Local	<input type="checkbox"/> County	
HEALTH DEPARTMENT				
ZONING				
SANITATION				
PLAN RETENTION REQUIRED?				
<input type="checkbox"/> Yes <input type="checkbox"/> No				

PERMIT # GED06-0118

Required Cut/Fill Table For Grading Permits

BPC-008

Applicant Owner Architect \ Engineer

Project Site Information

Mark Irvine
Name

22507 Ruess Rd
Address(es)

Mailing Address

141-190-057/56
City/Town
Assessor's Parcel Number(s)

City/Town State/Zip

Phone Fax

Project Name (if applicable)

Signature Date

Please do not write in the shaded areas.

Cut	-		<u>2154</u>	Cu. Yds.
Fill	+		Cu. Yds.	
Export	-			Cu. Yds.
Import	+	<u>3885</u>	Cu. Yds.	
Shrinkage	-			Cu. Yds.
Totals			Cu. Yds.	Cu. Yds.

Purpose or use of grading:

Geotechnical report available?

Yes No

Geotechnical report included with application?

Yes No

Will more than 1 acre be denuded?

Yes No

DO NOT WRITE BELOW THIS LINE - To Be Completed by PRMD Staff

Total volume used for fee calculations 3885 Cu. Yds.

For excavation and fill on the same site, the fee shall be based on the volume of excavation or fill, whichever is greater. (Reference is 1998 California Building Code Section 3310.2)

Activity No. GR006-0118

Grading Permit Questionnaire

BPC-017

Purpose: This form is used to determine if your project requires a grading permit in addition to a building permit. Grading is defined in Appendix Chapter 33 of the 2001 California Building Code (CBC) as "any excavating or filling or combination thereof." Grading can take the form of excavating and/or filling for foundations of structures, driveway construction and modification of topography. No person shall commence any grading without first having obtained a grading permit unless exempt as determined by the Permit and Resource Management Department (PRMD).

To determine if your project requires a grading permit, please answer the following questions. If you are unable to answer any questions, you should contact your design professional for assistance and/or consult with a PRMD plans examiner. **Incorrect answers may cause delays processing and/or issuing the permit(s) for your project.**

- Yes No Unknown 1. Does the project include a fill of 6 inches or more within the Flood Prone Urban Area? See map on reverse side of this form for the location of the Flood Prone Urban Area.
- Yes No Unknown 2. Does the project include a fill 1 foot or more in depth and placed on natural terrain with a slope steeper than 1 unit vertical in 5 units horizontal?
- Yes No Unknown 3. Does the project include a fill 3 feet or more in depth?
- Yes No Unknown 4. Does the project include an excavation that (1) is 2 feet or more in depth or (2) creates a cut slope greater than 5 feet in height and steeper than 1 unit vertical in 1 1/2 units horizontal that is not an excavation below finished grade for a basement, footing, retaining wall or other structure authorized by a valid building permit?
- Yes No Unknown 5. Does the project include a fill that is intended to support structures?
- Yes No Unknown 6. Does the project include a fill that exceeds 50 cubic yards on any one lot?
- Yes No Unknown 7. Does the project include the construction of a driveway that exceeds 122 feet in length?
- Yes No Unknown 8. Does the project include an excavation or fill that alters or obstructs a drainage course?

Acknowledgment:

I, as the applicant, understand that a "Yes" answer to any of the above questions means that a grading permit is required and shall be obtained before issuance of a building permit for the site. If any answers are "Unknown" to me, I should contact my design professional immediately to determine if a grading permit is required.

Applicant Signature

Applicant Printed Name

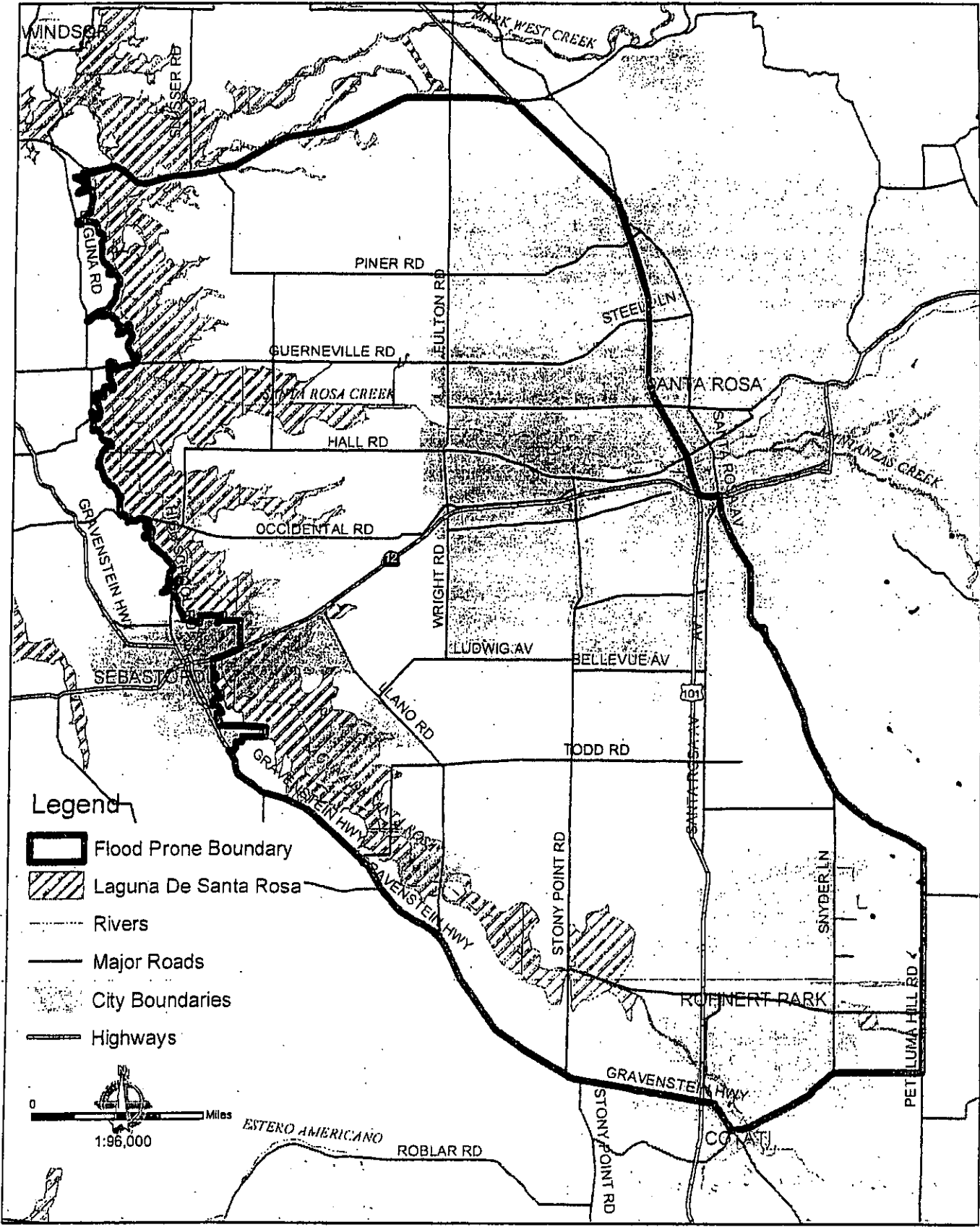
Date







Property Address

Assessor's Parcel Number(s)

Building Permit (BLD) Number

Flood Prone Area



- Legend**
-  Flood Prone Boundary
 -  Laguna De Santa Rosa
 -  Rivers
 -  Major Roads
 -  City Boundaries
 -  Highways



Map data and reproduction methods best practice to physical features depicted. The map is for illustrative purposes only, and is not suitable for parcel-specific decision making.

Sonoma County
Permit and Resource Management Department



2550 Ventura Avenue, Santa Rosa, California 95403
 707-565-1900

FAX 707-565-1103



FOR INTERNAL USE ONLY

Address: 22507 Fwerr Rd

P.C.# 6RD 06- 0118

Inspector: KR

Date: 7/14/06

The proposed construction appears to be located in:

Flood Hazard:	<input checked="" type="checkbox"/> FIRM Flood Zone (ASFH) BFE = <u>226</u> ft. NGVD.	<input type="checkbox"/> Portions of property in flood zone but project site not in flood zone.
	Lowest finish floor at 12 above BFE = _____ ft. NGVD.	
Geo-technical:	<input type="checkbox"/> Design for moving water is recommended	<input type="checkbox"/> Building is in FIRM Floodway
	Section _____ is _____ Ft/sec	<input type="checkbox"/> Main building on site is Post-FIRM
	Section _____ is _____ Ft/sec	<input type="checkbox"/> Sensitive drainage area, review by drainage section recommended.
	<input type="checkbox"/> Area subject to flooding (not on adopted FIRM).	<input type="checkbox"/> Appears to be a "substantial improvement" (40%), therefore flood regulations apply.
	<input type="checkbox"/> Project is on flood zone major damage list.	<input type="checkbox"/> Located inside the <i>Laguna de Santa Rosa</i> below elevation of 75 ft (Ord.#4906).
	<input type="checkbox"/> Flood Prone Urban Area defined by Ordinance #4906.	
	<input type="checkbox"/> Area of suspected slides, slumps, earth flow, or soil creep. (a.)	<input type="checkbox"/> Area without recommended setback from stream (Drainage Division recommendations).
	<input type="checkbox"/> Area of previous fill placement. (g.)	<input type="checkbox"/> Area of high moisture content in soil. (f.)
	<input type="checkbox"/> Area of suspected expansive soil. (c.)	<input type="checkbox"/> Area subject to high erosion (water or wind).
	<input type="checkbox"/> Area without sufficient slope setback as set forth in UBC Section 1806. (b.)	<input type="checkbox"/> Area of soft soil due to past deep ripping or cultivation below minimum foundation depth. (h.)
<input type="checkbox"/> Area subject to possible liquefaction. (e.)	<input type="checkbox"/> Area within 1000 feet of a solid waste disposal site.	
<input type="checkbox"/> Area of suspected soft, compressible, or organic soil with low bearing capacity.		
Soils Investigation:		Required [] Included [] Available []
Geologic:	<input type="checkbox"/> Located in the Alquist-Priolo Special Studies Zone.	<input type="checkbox"/> Geologic report required (see CGS Publication 42).
General:	<input type="checkbox"/> Building addition will affect the required light and ventilation in an existing room.	<input type="checkbox"/> Indications of existing substandard conditions that are not addressed by the proposed construction.
	<input type="checkbox"/> Existing electric meter must be replaced.	<input type="checkbox"/> Indications of past work done without a permit.
	<input type="checkbox"/> Existing gas meter must be replaced.	<input type="checkbox"/> Grading permit required for road, driveway, or site preparation.
	Slope is _____	<input type="checkbox"/> Site is likely to be acceptable for conventional construction methods.
Wind:	Exposure "B" <u>Exposure "D"</u> Exposure "D"	N.S.C. Air Pollution Control District [] Yes [] No

① part of grading project appear to be in flood zone (FE) other appears to be zone X

② all BFE is uppermost elevation @ property, Applicant may choose to have site surveyed.

③ Talk to drainage review regarding grading in flood zones

SCS ENGINEERS

May 8, 2006

Sonoma County Permit and Resource Management Department
2550 Ventura Avenue
Santa Rosa, California 95403

Re: Grading Permit for 22507 River Road in *Guerneville*, California.

To Whom It May Concern:

Please accept this letter and County of Sonoma Permit and Resource Management Department permit for grading and Building/Grading Checklist for the erosion control work proposed for 22507 River Road in Guerneville, California.

Project Description

This project description is for a proposed 'Rock Filter Vineyard Protection Plan' erosion control and abatement at 22507 River Road, Sonoma County (APNs 141-190-057 and -056 (See Attached plans)).

The erosive event, which occurred from this winter's storm on or around January 3, 2006, resulted in a stream bank losing approximately 30 feet to erosive action caused by the floodwaters. The stream bank/levee erosion control and repair project proposed by the owner will be utilizing approximately 950 yds³ of fill, placed outside the riparian area¹, which will consist of trenching a 3-foot wide by 3-foot deep trench and filling the trench with 2-4' rock (see engineered plans).

Very truly yours,



Joshua Zinn
Project Ecologist

List of Attachments

Five copies of the 04-19-06 SCS plans for 22507 River Road in Guerneville, CA.

¹ A California Department of Fish and Game (CDFG) Stream and Lake Alteration Notification will be submitted for this proposed work to confirm this project will take place outside of *waters of the State*.

SCS ENGINEERS

August 7, 2006
File No. 01203338.01

*Prior GRD04-0272 8/8/06
5 rock weirs 666.
bank & erosion control. TO REG/PR*

Mr. Reg Cullen, Engineer
County of Sonoma Permit and Resource Management Department
2550 Ventura Avenue
Santa Rosa, California 95403

**Subject: Plan Review Comments for Vimark Vineyards
22507 River Road, Geyserville, CA
APN 141-190-057 ✓ 6
County Project # GRD05-0118 ~~GRD05-0236~~
~~110-110-0116~~**

Dear Mr. Cullen:

Project Description

During abnormally high water releases from Lake Mendocino and high rainfall periods, the Russian River exceeds its banks and floods with water and floating debris damaging grape vineyards and the riverbank ecosystems. Vimark Vineyards own agricultural property on the eastern bank of the Russian River west of River Road in Alexander Valley and the grape vineyard is being damaged during these abnormally high flood periods by floating debris.

The Vimark Vineyard site is located at about River Mile 53 down stream of Gill Creek where the river is undergoing aggradation and meandering. The vineyard is located in the 100-year flood plain with base flood elevation of approximately 220 to 223 ft. msl NGVD29 based on FEMA Flood Insurance Rate Map Zone AE (converts to approximately 222.5 to 225.5 ft msl NAVD88).

The Russian River at this location normally flows at about elevation 205 to 207 ft msl (NAVD88) and the top of the natural river bank is at about elevation 220 ft, which was exceeded by flood water during the winter of 2005/2006. The normal active river width (exposed gravel bars) is about 600 ft wide and the meandering ordinary high water channel is approximately 1800 ft wide (river banks from east to west; see attached aerial photograph Figure 1). The 100-year base flood plain is larger, about 4,500 feet wide.

Vimark Vineyards would like to construct a porous rock filter to protect the vineyard from flood debris, outside and east of the river flow path and riparian habitat, on the alluvial valley floor. The porous filter rock would allow the river water to flood to its lateral extent, but the porous rock would filter out the logs and debris which damaging the vineyard. The proposed filter would be constructed of large diameter rock placed to an average elevation of 225 ft, approximately 1450 feet in length, 10 feet wide at its base and 5 feet above the existing ground surface (See SCS Engineers Design Plans for details).



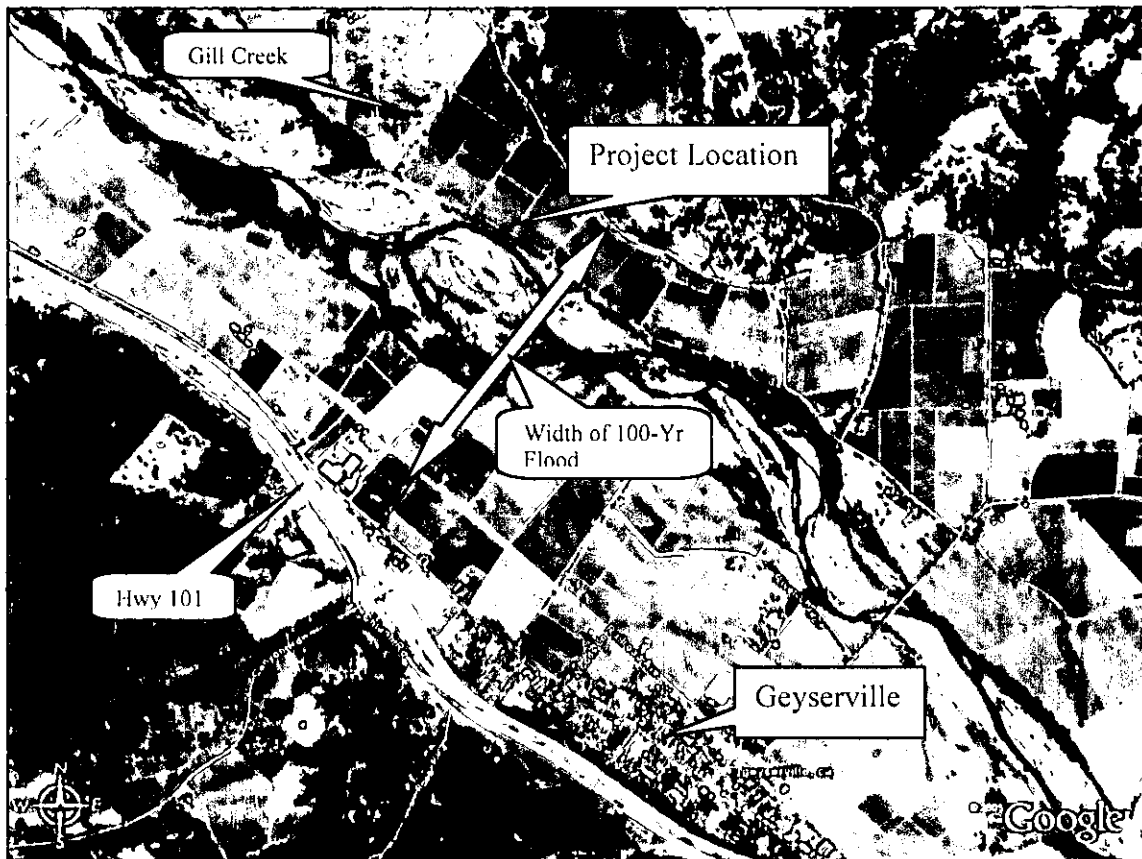


Figure 1 – Aerial View of Alexander Valley

Questions and Answers

Below are answers to your questions (Sonoma County letter dated July 28, 2006) in regards to the Vimark Vineyards plan submittal and plan review:

1. *State work will take place out of running water. Acknowledge the owner will seek a county Roiling Permit if any work takes place in running water.*

No work will be performed in running water for this project or in the natural active river waterway or in the ordinary high water meander flow channel. A Roiling permit is not applicable for the construction activities planned on agricultural land. If plans change, the owner would resubmit for additional permits.

2. *Specify there is a single owner for both APNs.*

Our client Vimark Vineyards owns APN 141-190-057. SYAR Industries Inc. owns APN 141-190-056. No work will be performed on Syar land as part of this project.

3. *State how construction techniques will minimize disturbed area and that no sediment will be transported in to the Russian River via construction. Specify how the use of heavy equipment (such as an excavator) will not cause disturbance since work will take place from an existing road. Clarify how the use of heavy equipment will minimize disturbed areas.*

An excavator will be dig the trench from the existing road and track down the road as the trench length is excavated. As the excavator removes material, the material will be loaded directly into dump trucks that will follow existing roads. No excavated soil will be stockpiled in the flood plain. No trees in the riparian habitat areas will be damaged.

4. ***Are any plantings a part of this project?***

No.

5. ***State all other agencies you have contacted about this project (e.g. DFG). Describe the status of your application to seek a Categorical Exemption from CEQA via DFG.***

The Department of Fish and Game has been contacted and a Section 1602 process has been initiated for this project. We believe this project is exempt from CEQA and we await DFG determination. The County of Sonoma was contacted for grading permit. No other agencies have been contacted since this project is outside of the active river flow path, above the ordinary high water level and east of riparian habitat areas.

6. ***When we talked over the phone you stated your reasons for not contacting other agencies that may have jurisdiction over this project, such as the USACE and the North Coast Region Water Quality Control Board. You mentioned the reason for not contacting the USACE was because the work is above ordinary high water. I am seeking a definition of ordinary high water from Peter Straub of the USACE in San Francisco to ensure the work is outside USACE jurisdiction. I may require documentation that the USACE has seen the plans before I approve the grading permit.***

Your prerogative. The definition of ordinary high water is on the USACE website. This project is located on agricultural land and does not fit the USACE definition.

7. ***Your Engineering Grading Note #7 describes “migration of soil into the void space between rocks used for the rock filter is expected after construction” and the “need for follow-up maintenance. The owner assumes responsibility for this maintenance....” Please describe this maintenance plan to remove soil from the voids of the 24-inch min. diam. boulder.***

The note was place as a precaution because of the void space that will be present between rock located below grade and soil could pipe into the voids from surround soil areas. No sediment buildup would be expected in the filter rock voids above grade because the water velocity flowing between rocks would be self cleansing. However, on the upstream side of the rock, there is the possibility that after flood periods wood and debris could collect on the rocks above grade, therefore it will be the owner's responsibility to search for woody debris as a result of flooding and remove such buildup, if present after flood events. It is not likely that there will be any soil in the voids in the portion of the wall above grade as water will flow through the rock wall and will therefore be a self-cleaning process. This is also evident by the existing filter rock pile located upstream of this project which has reportedly been in place for well over a decade with no evidence of sediment build up in the voids above grade.

8. ***Please describe how this “rock filter” will never become a levy with soil filling void space. Is there a life time for the rock filter such that it will be replaced if soil does fill void spaces and if the filter becomes a solid levy?***

Large filter rock has large voids; it is not likely that there will be any soil in the voids in the portion of the wall above grade as water will flow through the rock wall and will therefore be a self-cleaning process. This will not become a solid levy so the life expectance is very long. As stated above, this is also evident by the existing rock pile located upstream of this project which has reportedly been in place for well over a decade with no evidence of sediment build up in the rock pores above grade.

9. ***This project falls within the F1 floodway (as described in Sonoma County Code Ch. 26, Article 56). Section 26-56-030 (b) allows the county of Sonoma to require the applicant to provide additional engineering studies or other studies to determine the effects on the floodway. In that light:***

- 9a). ***At or near the project area calculate or show the cross-sectional area of the Russian River, show the cross-sectional area of the rock filter, and calculate the decrease in cross-sectional area of the Russian River based on the introduction of rock to form the filter. Describe the impact of this decrease in cross-sectional area on water surface elevations for the 100-year event.***

The triangular area of rock (25 square feet in cross section) has infinitesimally small (00.1%) influence on the cross-sectional area of the river (4,500 feet wide and assuming average depth of 5 feet equals 22,500 square feet). The river cross-sectional area and wetted perimeter at flood is not changed as the rock is porous and water will flow right through finding its natural lateral boundary.

- 9b). ***Describe why this project should not be considered a porous levy that will naturally and eventually fill with sediment.***

Large rock leaves large voids; as stated above, it is not likely that there will be any soil in the voids in the portion of the wall above grade as water will flow through the rock wall and will therefore be a self-cleaning process. This will not become a solid levy so the life expectance is very long.

- 9c). ***Describe in detail the impact to the 100-yr base flood elevation if the porous levy naturally fills with sediment and becomes a solid levy. HEC-RAS modeling to address this issue would be appropriate and consistent with the requirements of our county code.***

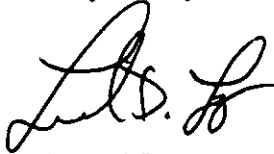
As stated above, the 100-year base flood elevation will not change at this location because the river flow will not be restricted. The river cross-sectional area at flood is not changed as the rock is porous and water will flow right through finding its natural boundary. This will not become a solid levy so the expense of a HEC-RAS model study is really not appropriate for what Vimark is proposing, as the input boundary conditions would not change.

10. *Please demonstrate the proposed project will not adversely affect drainage. Chapter 7B of the Sonoma County Code addresses flood damage protection. Section 7B-7 describes the responsibilities of the Chief Building Official when reviewing permits. Item 7B-7 (a)2 gives the county the authority to "determine if the proposed development adversely affects the flood-carrying capacity of the area...." Adversely affects means "that the cumulative effect of the proposed development when combined with all other existing and anticipated development will not increase the water surface elevation of the base flood more than one foot (1') at any point...." Show that your project and the cumulative effect of development in this area will not increase the base flood elevation by more than 1'.*

The flood-carrying capacity of the river will not be changed and the base flood elevation will not measurably change as a result of the proposed rock filter. The ratio of the cross-sectional area of the rock filter to the cross-sectional flood area (about 1/900) of the river is essentially a micro-fraction. Therefore the volume increase present from the filter rock is insignificant. The cross-sectional area of the river would actually not change because the filter rock is highly porous.

We hope this answers your questions in significant detail to proceed with the plan review and permit process.

Respectfully Submitted



Lenard D. Long P.E.
SCS Engineers

Cc: Vimark Vineyards



Environmental Consultants & Contractors

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566925-426-0080
FAX 925-426-0080
<http://www.scsengineers.com>**SCS ENGINEERS**August 25, 2006
File No. 01203338.01Mr. Reg Cullen, Engineer
County of Sonoma Permit and Resource Management Department
2550 Ventura Avenue
Santa Rosa, California 95403**Subject: Cumulative Base Flood Impact
Proposed Rock Filter for Vimark Vineyards
22507 River Road, Geyserville, CA
APN 141-190-057
County Project # GRD05-0118**

Dear Mr. Cullen:

Pursuant to your request and our site visit of August 24, 2006, the purpose of this letter is to quantify the net base flood water surface elevation impact from the proposed construction of a rock filter with a cross section of 25 sf (square feet). The Federal Emergency Management Agency flood data for the Russian River has a cross section at CF² relatively near the subject site. Using a simplified approach, the flood width is indicated at 2,590 ft with a section area of 31,635 sf which would provide an average depth of water of 12.214 feet. If we look at a one foot thick slice of the river:

River Water = 31,635 cf (cubic feet) per ft
Rock Filter = 25 cf x 25% voids = 18.75 cf per ft

New River Volume = River Water + Filter = 31,653.75 cf per ft

New River Depth = 31,653.75cf per ft/2,590 ft = 12.222 ft

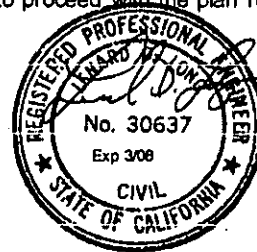
Potential Cumulative Base Elevation Impact = 12.222 - 12.214 ft = .008 ft < 1 ft [ok]

Therefore this rock filter does not have an "adverse affect" on the water surface elevation. We hope this answers your questions in significant detail to proceed with the plan review and permit process.

Respectfully Submitted

Lenard D. Long P.E.
SCS Engineers

Cc: Vimark Vineyards



Offices Nationwide

