

OFFICE OF THE AGRICULTURAL COMMISSIONER

Agricultural Commissioner
Sealer of Weights and Measures
www.sonoma-county.org/agcomm



133 Aviation Boulevard, Suite 110
Santa Rosa, CA 95403-1077
(707) 565-2371 Fax (707) 565-3850

FOR OFFICE USE ONLY

Date Received: _____
Check #: _____
Fee Paid: _____
Date Determined Complete:* _____
Date Temp. Erosion Complete _____
Date Final Erosion Complete _____
Approved by (initials): _____
*Expires 5 years from date of approval

LEVEL II VINEYARD/ORCHARD DEVELOPMENT PERMIT

*NOTE: No incomplete notifications or faxed notifications will be accepted.
All lines must be filled in. Use N/A for all blank spaces.*

Required: USGS 7 ½ minute Quadrangle Map with the location of the site including parcel boundaries outlined. Recent aerial photo (taken within the last two years) with area to be planted or replanted outlined.

- | | |
|---|---|
| <input type="checkbox"/> NEW VINEYARD DEVELOPMENT | <input type="checkbox"/> VINEYARD REPLANT |
| <input type="checkbox"/> NEW ORCHARD DEVELOPMENT | <input type="checkbox"/> ORCHARD REPLANT |

OWNER'S NAME _____
MAILING ADDRESS _____
CITY _____ STATE _____ ZIP _____
PHONE _____ FAX * _____ CELL _____
*EMAIL ADDRESS: _____

NAME OF ONSITE CONTACT PERSON (MANAGER, CONTRACTOR, ETC.):

ADDRESS _____
CITY _____ STATE _____ ZIP _____
PHONE _____ FAX * _____ CELL _____
*EMAIL ADDRESS: _____

***Please provide a fax number and an email address (owner, contact person/manager, and/or engineer) to expedite the approval notification process.**

SITE ADDRESS _____
ASSESSOR'S PARCEL NUMBER(S) _____
TOTAL ACREAGE OF PARCEL _____
EXISTING VINEYARD/ORCHARD ACREAGE _____
Ag Crop Pasture Rangeland Timberland Other: _____
PESTICIDE PERMIT/ID NUMBER _____ SITE NUMBER _____

NEW VINEYARD/ORCHARD DEVELOPMENT OR REPLANTING

PROPOSED ACREAGE _____
SOIL TYPE(S) _____
NATURAL SLOPE _____
METHOD USED TO DETERMINE SLOPE _____

Minimum Designated Stream Setback from top of bank is 50 feet.
Minimum Undesignated Stream Setback from top of bank is 25 feet.

All site preparation work and winterization for new vineyards/orchards shall occur between April 1 and October 15. All site preparation and winterization for replanted vineyards/orchards shall be completed by November 15.

1. **Sensitive Areas:** Identify critical areas in a narrative within the vineyard/orchard site that may have serious erosion or sedimentation potential, or sensitive environmental areas (streams, wetlands, etc.) that may need to be protected from erosion or sedimentation. Please include setback requirements for streams.

2. **Erosion Control:** List appropriate best management practices both temporary and final to be implemented and maintained to protect areas from erosion (cover crop, straw, mulching, vegetated filter strip, etc.)

3. **Engineer Info:**

Name: _____
Address: _____
Phone Number: _____
Fax Number: _____
Email Address: _____

I certify that the information provided is correct and valid to the best of my knowledge:

***Signature** _____ **Owner/Contact Person/Engineer (Circle One)**
Print Name _____ **Date** _____

**Permit may be signed by the owner of the property, contact person, or engineer. If signed by contact person, or engineer a letter of authorization from the property owner is required.*

PERMIT FEES

LEVEL II NEW VINEYARDS/ORCHARDS AND REPLANTS: (Fees valid July 1, 2010 – June 30, 2011)

-	10 ACRES or less	=\$3,771.00
-	Greater than 10 ACRES and less than 50 ACRES	=\$5,659.00
-	50 ACRES or more	=\$7,253.00
	RIPARIAN SET BACK VARIANCE FEE	=\$800.00
	<i>(Requires Board of Supervisors' Approval)</i>	

DEFINITION OF LEVELS FOR VINEYARD/ORCHARD DEVELOPMENT:

NEW VINEYARDS/ORCHARDS

	<i>Highly Erodible Soils</i>	<i>Less Erodible Soils</i>
LEVEL I	Less than 10% natural slope	Less than 15% natural slope
LEVEL II	10% to less than 50% natural slope	15% to less than 50% natural slope

Planting on sites greater than 50% is prohibited.

VINEYARD/ORCHARD REPLANTS

	<i>Highly Erodible Soils</i>	<i>Less Erodible Soils</i>
LEVEL I	Less than 15% natural slope	Less than 30% natural slope
LEVEL II	15% or more natural slope	30% or more natural slope

Planting on sites greater than 50% is prohibited.

TYPES OF HIGHLY ERODIBLE SOILS:

Diablo
Los Osos
Goldridge
Dibble
Suther
Steinbeck
Laughlin

**INSTRUCTIONS FOR COMPLETING VINEYARD/ORCHARD
DEVELOPMENT PERMIT**

1. List the ownership of the site as it appears on the Sonoma County Assessor's parcel records.
2. Provide the mailing address, city, state, zip code, phone number(s), fax number(s), and email address of the responsible entity listed in # 1.
3. List the name of the individual who is responsible for the overall on-site activities or is managing the development activity.
4. Provide the address, city, state, zip code, phone number(s), fax number(s), and email address for the person listed in #3.
5. List the address of the vineyard/orchard development site.
6. List the assessor's parcel number(s) for the development site.
7. List the total acreage of the parcel(s).
8. If vineyard/orchard acreage already exists, list that acreage.
9. If there has been a restricted materials permit or a grower ID number issued by this office for the use of pesticides on existing vineyard/orchard at this site, list that number and the appropriate site number.
10. List the proposed acreage to be developed or replanted.
11. List the soil type(s) of the site. This information is available in the USDA Soil Survey for Sonoma County, which is available in this office, or in local libraries.
12. List the natural slope of the site. This may be accomplished using a USGS 7 ½ minute quad map taking clinometer readings at set distances perpendicular to the slope, professional survey, or computer generated slope percents.
13. List the method used to determine natural slope from # 12.

Required: USGS 7 ½ minute Quadrangle Map with the location of the site including parcel boundaries outlined. Recent aerial photo (taken within the last two years) with area to be planted or replanted outlined.

EROSION AND SEDIMENTATION CONTROL REQUIREMENTS

Any person undertaking a vineyard/orchard planting or replanting pursuant to this article shall comply with the following erosion and sedimentation control requirements in a manner that controls the erosion and sedimentation on the vineyard/orchard site.

- 1) All initial vineyard/orchard planting work shall be carried out between April 1 and October 15, for authorized new vineyard/orchard plantings, and between April 1 and November 15 for authorized vineyard/orchard replantings except where the agricultural commissioner establishes later start or earlier end dates based on inclement weather conditions.
- 2) Appropriate best management practices shall be implemented to protect all disturbed areas on the vineyard/orchard site from the effects of storm runoff. Use of both temporary and permanent measures that incorporate natural systems are encouraged unless the agricultural commissioner determines that temporary practices are unnecessary based on vineyard/orchard site characteristics. The measures shall consist of seeding, mulching, cover cropping, revegetation, or other recognized surface stabilization measures. Temporary practices shall be in place by November 1 each year until site preparation work is completed, unless the agricultural commissioner authorizes or requires an earlier deadline based on inclement weather conditions. Final practices shall be in place by the time site preparation work is completed.
- 3) Emergency erosion and sediment control work may be carried out at any time.
- 4) A sediment control system designed to minimize the discharge of sediment from the vineyard/orchard site shall be installed on the vineyard/orchard site. This requirement may be met by either temporary or permanent measures while vineyard/orchard planting work is being carried out, but shall be met by permanent measures by the time vineyard/orchard planting work is completed.

EROSION AND SEDIMENT CONTROL PLANS

All erosion and sediment control plans for Level II authorized vineyard/orchard plantings and replantings shall be prepared by a licensed civil engineer.

***NOTE: 2 sets of erosion and sediment control plans required (folded).**

1) All certified erosion and sedimentation control plans shall comply with the following requirements:

***Note: 2 sets of erosion and sedimentation control plans required (folded)**

- a) A licensed civil engineer shall certify each set of plans. The certificate shall be dated and signed by the engineer who prepared or reviewed the plan, and shall certify that (1) the plan was prepared or reviewed by him or her, (2) the plans contains all of the information required by this section, and (3) the plans use temporary and permanent measures that are sufficient to meet the requirements of Section 30-73.
- b) Each set of plans shall consist of narrative and graphic information of sufficient clarity to describe the vineyard/orchard site and indicate the nature, extent, and placement of all temporary and permanent measures. Each set of plans shall contain all of the following:
 - i) The date the plans were prepared, the name of the person who prepared the plans, and the licensed civil engineer who reviewed and certified the plans, if different than the person who prepared the plans.
 - ii) A description of the vineyard/orchard site, including but not limited to, assessor's parcel number(s), topography, soil types, vegetation, streams, lakes, reservoirs, roads, homes, and existing drainage improvements. Identification of areas on the vineyard site that may have significantly more or less potential for erosion or sedimentation shall be included.
 - iii) A summary of the proposed temporary and permanent measures to be used to protect disturbed areas and manage storm water runoff on the vineyard/orchard site, and minimize the discharge of sediment from the vineyard/orchard site. A schedule for implementation, maintenance, and upkeep of the temporary and permanent measures, and provisions for responsibility of maintenance shall be included.
 - iv) A location map showing the vineyard/orchard site on the applicable USGS quadrangle map.
 - v) A recent aerial photo (taken within the last two years) showing the boundary of the property and location of the vineyard/orchard site.
 - vi) A topographic site plan for the vineyard/orchard site at a scale (not less than 1 inch = 200 feet) conforming to national map accuracy standards showing all of the following:
 - (1) Perimeter boundary and vineyard layout, including row spacing, row direction and terraces, if any.

- (2) Existing and finished contours of not more than five feet. Indicate source of contours (field survey, etc.).
 - (3) Location and boundaries of all soil types, as identified in the USDA Soil Survey for Sonoma County, or other source acceptable to the agricultural commissioner.
 - (4) Flow lines of surface waters onto and off the site.
 - (5) Location, direction of flow, approximate location of centerline and top of banks of, and required setbacks from any designated streams.
 - (6) Location and general types of existing vegetation. Any existing vegetation that will remain undisturbed by the vineyard/orchard planting or replanting shall be identified.
 - (7) Location of all existing buildings, structures, onsite sewage disposal systems, wells, and overhead utilities.
 - (8) Location of all soil protection measures, including but not limited to, mulching, cover cropping, netting, revegetation, and other surface stabilization measures.
 - (9) Location of all storm water management and sediment control measures, including, but not limited to, drainage swales, interceptor and diversion ditches, pipes and culverts, berms, energy absorbing structures, vegetative filter strips, sediment buffers, sediment basins, channels, and drop inlets.
- vii) Construction details of all surface and subsurface drainage features, and erosion sediment control measures, including materials of construction and installation requirements.
- viii) A plan showing the drainage area of the storm water management system. Supporting hydrologic and hydraulic calculations shall be included on the plan or separate sheets.
- ix) Design calculations for storage capacities of any sediment basins.
- x) Any other plans, drawings, calculations, photographs, or other information the county recognized civil engineer preparing or reviewing the plan deems necessary or appropriate.

DEFINITIONS

“Site Clearing” Any removal of vegetative ground cover that results in disturbance of soils, or any removal of existing agricultural plants, vines, or trees.

“Slope” An inclined surface, the inclination of which is expressed as a ratio of horizontal distance to vertical distance (e.g., 2:1) or as a percentage (e.g., 50 percent).

“Natural Slope” The slope of the ground prior to any soil disturbance. Natural slope shall be determined by measuring the horizontal distance between adjacent contours on a USGS 7.5 minute quadrangle map or other topographic map acceptable to the county with a scale of not less than 1:24000 (1" = 2000') and contour intervals of not more than 20 feet, and then dividing the difference in elevation between the two contours by the measured horizontal distance. The horizontal distance shall be measured perpendicular to the contours.

“USGS 7.5 Minute Quadrangle Map” The 7.5 Minute series United States Geological Survey quadrangle map most recently published.

“Vegetative Filter Strip” A land area seeded to close growing or sod forming grasses, designed to filter out soil and other pollutants carried in storm water or waste water.

“Stream” Any natural channel with bed and banks containing flowing water or showing evidence of having contained flowing water (e.g., deposit of rock, sand, gravel, or soil).

“Top of Bank” The points in a cross-section where the stream channel makes a transition to flood plain. Top of bank can be identified by a change in the slope of the land, a transition from terrestrial to riparian vegetation, and/or changed in the composition of substrate materials.

“Wetlands” Transitional between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water. Wetlands must have one or more of the following three attributes in the Coastal Zone, and two or more of the following three attributes in all other parts of the unincorporated area of the county:

1. The land supports predominantly hydrophytes during the normal wet portion of the growing season.
2. The substrate is predominantly undrained hydric soil.
3. The substrate is saturated with water or covered by shallow water at some time during the normal wet portion of the growing season of each year.

“Wetlands Biologist” A biologist experienced and knowledgeable in the delineation of wetlands in California using applicable federal, state, and local criteria.

Confidential Crop Acreage Survey

Please complete this form and return with your Vineyard/Orchard Development Permit. This information will be used to update the Agricultural Commissioner's vineyard and orchard acreage statistics used in the annual crop report. The Sonoma County Agricultural Crop Report promotes the value and importance of our County's agricultural industry. All information that you provide us will be kept confidential, and only grand totals are made public.

Date _____ Pesticide Permit Number _____

Operator Name _____ Owner Name _____

Parcel Address _____

Parcel APN Number(s) and Acreage _____

Fill in information below about proposed planting of vineyard or orchard. Check one: New Replant

Crop	Variety	Year to Plant	Spacing	# of Vines/Trees	Net Crop Acres
<i>Example: Grapes</i>	<i>Chardonnay</i>	<i>2012</i>	<i>6X8</i>	<i>10,981</i>	<i>12.1</i>

If the parcel is currently a vineyard or orchard, fill in information about what is being pulled out.

Crop	Variety	Year to be Removed	Spacing	# of Vines/Trees	Net Crop Acres