

DRAFT LEVEL II WATER CONSERVATION COMPLETION FORM**WLS-0??****PURPOSE**

This certification form documents compliance with the County's well ordinance relative to Level II water conservation measures that are required for certain water well permit applications submitted after October 4, 2022. This form ensures property owners are aware of and understand that water conservation requirements are ongoing and are transferable to subsequent property owners upon change of property ownership.

PROCEDURE

The applicant or owner for well permits using greater than 2.0 acre-feet per year within the Public Trust Review Area must complete and comply with Level II water conservation requirements per Sonoma County Code section 25B-13(c). Completion of these requirements can be documented with this form including the owner's signature and date and submitting the completed form and supporting documents to Permit Sonoma through [Citizen Access](#). Permit Sonoma, or its representatives, may request additional information or conduct site inspections to verify that water conservation measures have been complied with.

See the Supplemental Instructions portion of this form, which explains how to verify compliance with the below requirements and how to complete supporting water conservation plans and other documentation.

LEVEL II WATER CONSERVATION AND BEST MANAGEMENT PRACTICES CHECKLIST:

☒ All water closets within all existing habitable spaces on the project parcel meet current water efficiency standards defined in the 2022 CA Green Code or most current version, or have an efficiency of 1.6 gallons per flush or less.

☒ All urinals within all existing habitable spaces on the project parcel meet current water efficiency standards defined in the 2022 CA Green Code or most current version, or have an efficiency of 0.125 gallons per flush or less.

All commercial, industrial, and institutional sites shall submit and implement a water conservation plan that details best management practices to reduce groundwater use to the maximum extent feasible.

- ☒ Not applicable, the site is not commercial, industrial, or institutional.
☐ Applicable, Water conservation plan attached.

All agricultural sites shall submit and implement an agricultural water conservation practices plan that includes irrigation design, scheduling, maintenance, soil moisture or plant stress monitoring, and other agricultural water conservation best management practices. Enrollment in an agricultural practices monitoring and certification program, approved by the Permit Sonoma Director, shall fulfill this requirement.



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- ☐ Not applicable, the site is not agricultural.
- ☒ Water conservation practices plan attached.
- ☐ Proof that the site is enrolled in the following agricultural practices monitoring and certification program is attached. The program name is:

Submit and implement a frost protection plan. Enrollment in a frost water demand management program, approved by the State Water Resources Control Board, Permit Sonoma Director, or Sonoma County Agricultural Commissioner shall fulfill this requirement. Sites that do not use water for frost protection are exempt from this requirement.

- ☐ Not applicable, the site is not agricultural or does not use water for frost protection.
- ☐ Frost protection plan attached.
- ☒ Proof that the site is enrolled in the following frost protection program is attached. The program name is:

_____ *AFM 11-0034* _____

_____ *Cotton Dutton Ranch (Corp)* _____

Vineyards and orchards shall limit growing season groundwater use to the existing use prior to, October 4, 2022, supported by metered data or a site-specific irrigation demand analysis; if no existing use data or analysis is provided then a default limit of 0.6 acre-feet per acre per year or less shall apply.

- ☐ Not applicable, the site is not a vineyard or orchard.
- ☐ Site -specific irrigation demand analysis is attached, total growing season demand for _____ acres of vineyard and orchard is _____ acre feet per year.
- ☒ Default limit of 0.6 acre -feet per acre per year shall apply, total growing season demand for _____ acres of vineyard and orchard is _____ acre feet per year.

FUTURE SITE DEVELOPMENT

- ☒ I understand that water conservation requirements are ongoing and attest that future development and operation of the site shall comply with all applicable water conservation requirements, including Level II water conservation requirements listed above.

Appendix B

Ag Water Conservation Practices

A. Soil Amendments

A soil test will be collected every two years to track soil properties. A field permeability test will also be conducted to track soil permeability on the same interval. Soil inputs and outputs will be tracked throughout the year. The objectives for soil permeability, organic carbon concentration and water holding capacity will be compared to the expected levels as listed for the soil series in the USDA web soil survey. Levels will be tracked over time and an improvement of levels will be implemented. Monitoring results will guide cover crop seeding rates or types of cover crop seeds applied. Additional soil amendments from cover crop type planted may also be evaluated based on soil monitoring results.

B Cover Crops

The vineyard is typically disced on alternate rows. Natural ground cover is established on non disced rows. Before the winter rains typically by middle of October cover crop seed will be planted on the disced rows at a rate of 40-50 lbs/acre. Reseeding will be applied if a row is disced during the growing season before the winter rains typically in middle of October. Ground cover mowing to be done in spring to allow for equipment access. The groundcover monitoring objectives is to plant a cover crop seed where there is disced bare ground from normal farming practices. The seeding rate can be increased if monitoring shows that vegetation establishment is not covering the vineyard row middles.

C. Irrigation Management

For irrigation management practices plant vigor visual symptoms will be evaluated throughout the growing season for prescribing plant stress and irrigation needs. Evapotranspiration amounts will be determined based on the nearest public Western Weather station or Cimis station for irrigation needs. Soil moisture monitoring will also be used based on digging a hole beneath the vine row and determining soil moisture by feel method. Monitoring visual results of vine symptoms, evapotranspiration and soil observations will guide irrigation practices in the spring and early summer to determine when the soil moisture profile has been depleted and the vines are experiencing excessive water stress. The minimum water volumes to prevent excessive water stress symptoms are to be applied and at the longest time intervals as feasible. Irrigation will be primarily used to help establish young vines on new plantings and for producing vines during high temperature events to prevent excessive plant stress during high evapotranspiration periods.

D. Irrigation System Design and Maintenance

The irrigation system type is drip irrigation. The typical emitter flow rates are 0.5 gallon/hour and each vine has two emitters spaced every 2-3 feet apart. The irrigation system will have a filter that is capable of flushing and a pressure compensation device to keep the irrigation system at correct pressure.

E. Irrigation Maintenance

The irrigation system will be evaluated visually every month when in use to check for leaks or unexpected pressure levels. Lines will be flushed at the beginning of the season to remove any debris. The flow rates will be monitored using a flowmeter and compared to irrigation system design specifications. Pressure ranges will be monitored during use by pressure gauges and kept within normal operating levels.

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A flow meter will be installed in the irrigation system, with a flow rate display in gallons per minute and a totalizer. The depth of groundwater elevations will be recorded on the required time frame using a water level meter with length markings that has an audible alert when the water level is reached. The distance from the top of the well casing to the water height elevation will be recorded and reported as required.

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PROJECT INFORMATION

Well Permit Record # WEL 23-0250Property Address 11062 Garton Rd. Sebastopol, CA 95472Assessor Parcel Number of proposed well 104-090-036-000Assessor Parcel Number(s) of other parcels served by the proposed well Ø

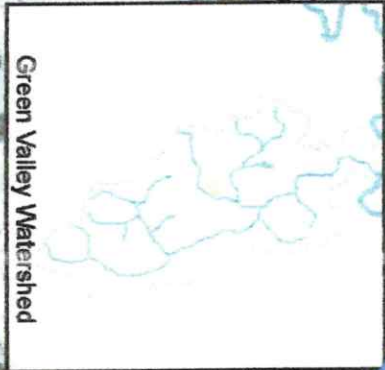
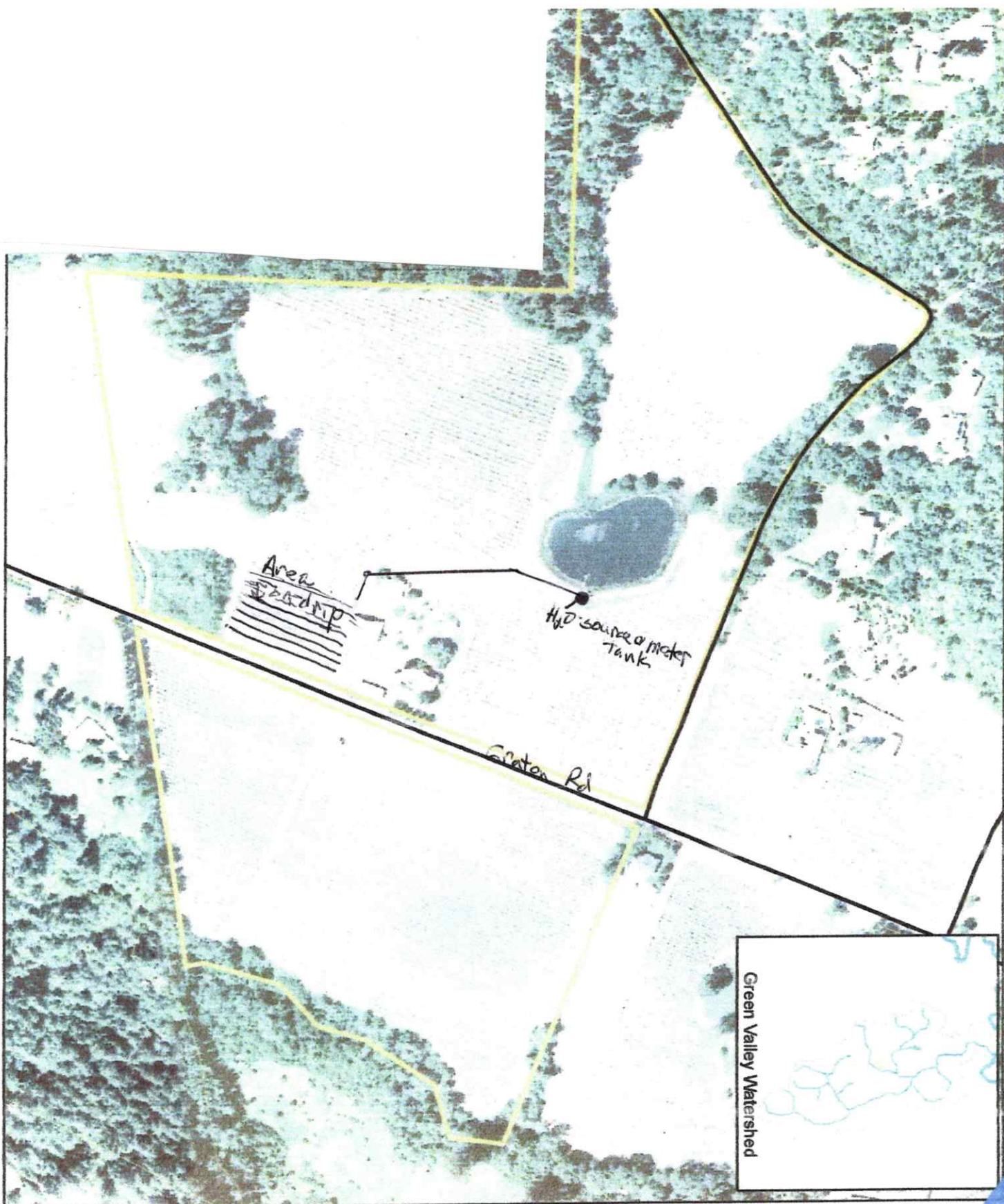
APPLICANT INFORMATION

Name Green Valley Ranch of Sebastopol, IncMailing Address 122 Wintenstein Dr, Folsom CA 95630Phone 916-983-5833 Email Address cyourowing@gmail.com

OWNER AGREEMENT

By signing this document, the property owner certifies to Permit Sonoma that the information in this form is true, and that all Level II Water Conservation Requirements specified in Chapter 25B-13(b) have been, or will be, complied with. The property owner further agrees to comply with all applicable County codes, and the rules and regulations set forth by Permit Sonoma including, but not limited to, maintaining water systems in good working order, replacing and installing new fixtures with fixtures that meet current water efficiency standards defined in the 2022 CA Green Code, complying with water efficient landscape regulations, complying with other applicable permit conditions, and notifying subsequent property owners of water conservation requirements.

Owner Name(s) Green Valley Ranch of Sebastopol, IncOwner Phone 916-983-5833 Email Address cyourowing@gmail.comMailing Address 122 Wintenstein Dr. Folsom CA 95630Owner Signature Green Valley Ranch by C. Younger Date 11/16/23
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Green Valley Watershed