

Erickson Engineering Inc.

County of Sonoma
Permit and Resource Management Department
2550 Ventura Avenue
Santa Rosa CA 95403

May 8, 2021

Attn.: Emmy Myszka REHS
Environmental Health, Grading and Drainage Review

WSR 21-0079 GRD20-0245
4.9 ac-ft Vineyard Irrigation Reservoir
14640 Morelli Lane
Sebastopol CA 95472
APN 074-041-003

Steve Dutton, President
Dutton Ranches
PO Box 48
Graton CA 95444
707.823.0448
steve@duttonranch.com

Tier 1 Septic System Findings Report - addendum

Ms. Myszka-

In response to your correspondence of April 2 regarding the original Findings Report submitted for the subject property to justify grading permit issuance, we offer the following.

There are no know County or ownership records for the existing septic system. Per request, we worked with ownership to undertake a more detailed job of field locating system components, all in agreement with mapping provided with the previous submittal. The septic tank is downslope and across the driveway from the house, visible with epoxied risers located above grade. Approximate capacity is 1200 gal based on visual estimate of dimensions. Four distribution boxes are present downslope of the tank spaced at 8'. Standard leach lines are on contour on this very uniform hillside sloped at a gentle 9%. Four lines at 100' were located per the attached sketch. There is far more reserve area than required for replacement of the primary system in the unlikely event that ever becomes necessary. There is no surface evidence of substandard performance of the septic system, which appears to have been in place for many years.

As previously noted, the entire septic system is about 300' upslope of the proposed grading area. It is physically impossible for the proposed grading to affect the septic system in any way.

Please see the attached site topo map showing the parcel, APN, existing structures, existing septic system, leach field, and reserve area relative to the proposed grading improvements.

Very truly yours,

Lee Erickson, PhD CE45660 AE468
QSP/QSD 22470
Civil and Agricultural Engineer

