

EXHIBIT A-2

Chappellet Vineyard LLC

Vineyard Development Erosion Control Plan

Erosion Control Plan Narrative

- 1. The nature and purpose of all/any land clearing, grading or earthmoving activity, the amount of cut & fill, the location of spoils storage and disposal areas, the total number of acres of grading involved including but not limited to roads, vineyards, avenues, trenching for irrigation or pipes, reservoirs, wells, water tanks, septic systems, etc. Indicate the acres of land clearing, grading or earthmoving activity that will occur on 30% or greater slopes. (Note: slopes shall be calculated in whole percent)*

The project site is located on Pritchard Hill approximately 7.5 aerial miles southwest of the City of St. Helena in Napa County, California (Napa County APNs 032-560-022 & -033). Access to the project area is via an existing paved private driveway that provides access to several existing residential, winery and vineyard properties in the vicinity of the project area. The property is located approximately 1.75 road miles southeast of the intersection of the private driveway and Sage Canyon Road (State Route 128).

The purpose of the proposed land clearing, grading and earthmoving is to prepare the project area for planting with new vineyard. Following is a list of planned land preparation activities:

- Clearing and grubbing of existing vegetation
- Re-contouring and land smoothing to promote sheet flow
- Ripping and rock breaking as needed to fracture subsoils and rock to a depth of approximately 24 to 36 inches to prepare soil for planting and to incorporate soil amendments
- Mechanical and hand rock raking to remove loose rocks from the ground surface
- Discing and harrowing to prepare seedbed for vegetative erosion control measures
- Installation of erosion control features
- Construction of vineyard access roads to connect the development areas

Grading within the project area will be the minimum amount needed to smooth out the existing ground surface and create smooth slopes to promote sheet flow and to install the proposed runoff and erosion control measures. Cuts and fills will be moderate and are expected to average from 0 to 4 feet. The estimated quantity of grading is approximately 5,000 cubic yards of cut and 5,000 cubic yards of fill. An earthwork balance will be achieved onsite. Import and/or export of soil material is not planned however, soil amendments will be imported and incorporated into the project area as needed to improve soil tilth and thereby support vine and cover crop growth.

All temporary debris, vegetation, soil and soil amendment stockpiles and storage areas, if needed, will be located within the proposed vineyard project area. No long-term stockpiles of rock or soil are anticipated. Temporary stockpiles will be kept within the proposed vineyard development area. It is planned that all rock will be disposed of within the proposed

vineyard footprint either by being used in the new downslope vineyard avenue areas to create a level bench or being buried. Rock will also be processed (crushed to a useable size) and used for lining existing roads on the subject and nearby properties.

The proposed vineyard development consists of five vineyard blocks (Vineyard Blocks A, B, C, D & E). Vineyard Blocks A and B are located on APN 032-560-022 and are adjacent to existing vineyards. In effect these blocks will be expansions of those existing blocks. Blocks C, D and E are located on APN 032-560-033 and will be new standalone blocks. The blocks will have a row spacing of 7 feet and vine spacing along the row of 4 feet for an average vine density of 1,556 vines per acre and a total of approximately 51,494 vines (subject to change based on final vinicultural assessments).

Access to Vineyard Blocks A, B and C are via an existing driveways and existing vineyard access roads. Two short vineyard access roads are proposed to connect Vineyard Blocks D and E to Vineyard Block C.

The total disturbed area for the vineyard development project is 41.8± acres. The total disturbed area includes the area to be planted with vines and the area used for perimeter avenues and connecting access roads for farming equipment and incidental disturbance for installation of erosion control features. The total area to be planted with vines within the 41.8 ± acre project area is 33.1 ± acres.

Stream and drainage course setbacks are provided in accordance with the Napa County Conservation Regulations. Stream setbacks in the vicinity of the proposed project areas are shown on the erosion control plan.

The details of the proposed vineyard development are shown on the Chappellet Vineyard LLC Vineyard Development Erosion Control Plan prepared by Applied Civil Engineering Incorporated.

- 2. Comprehensive description of existing site conditions, including topography, vegetation (including under-story and canopy cover), and soils. Provide extent of tree canopy covered and shrub and brush without a tree canopy covered areas in acres for each parcel. Identify and indicate the project boundaries in watersheds, including municipal watersheds, and in the water deficient area. The plan preparer is required to visit the site and the narrative must include the date, purpose, and persons making each site visit. The description shall verify the source or validity of the topographic map. Wide angle or panoramic photographs documenting existing site conditions shall be provided. A photo location map indicating the date of the site visit and by whom it was made shall accompany such documentation.*

Topography:

The project area is located on moderately sloping hillside slopes in Napa County southeast of the City of Yountville (Latitude = 38.46854° N & Longitude = 122.32540° W). Topography on the property varies widely and is characterized by gentle to steep slopes ranging from less than 5% to in excess of 30%.

Average slopes within the proposed vineyard development area are gentle to moderate and range from 6% to 20% within the proposed vineyard block areas with an overall average slope of 13%. Average slopes within the proposed vineyard access road areas are similar with average slopes ranging from 14% to 31%. Slopes were determined using topographic data obtained from the Napa County Geographic Information System database and the slope transect method in several representative locations in the proposed development area. Isolated areas within the project area, totaling no more than 1 acre, have slopes slightly in excess of 30%.

Vegetation:

The Calveg designations for the subject parcel were obtained from the Napa County GIS database and are as follows:

- AG – Agriculture
- CA – Chamise
- CQ – Northern Mixed Chaparral
- HG – Annual Grass / Forbs
- NX – Mixed Hardwoods
- QD – Blue Oak

Our visual observation of onsite vegetation in the vicinity of the project area is consistent with the Calveg designations. A detailed assessment of vegetation within the parcels and subject project areas was prepared by WRA Environmental Consultants (WRA). According to the report by WRA there are several sensitive plant species and biological communities located on the subject properties. The project has been revised on several occasions with the input of WRA to avoid and minimize removal and impacts to the sensitive plants and biological communities. This includes removal of an area from the project that was planned for development on the adjacent property APN 032-560-021 in order to preserve sensitive plants and biological communities in accordance with Napa County General Plan Policies. Please refer to the report prepared by WRA for additional information.

Using aerial photographs of the subject project area obtained from the Napa County Geographic Information System database and using the parcel lines as they existed in 1993 we have estimated the following land use / coverage statistics for the each of the 1993 parcels that comprise the project area:

**PROPOSED CONDITIONS
VEGETATION RETENTION ANALYSIS (APN 032-010-027)**

	1993 CONDITIONS	REMOVED SINCE 1993 FOR OTHER DEVELOPMENT	TO BE REMOVED WITHIN PROPOSED PROJECT AREA	PROPOSED FOR RETENTION	PERCENT RETAINED
TREES	53.2 ± ACRES	0.1 ± ACRES	4.0 ± ACRES	49.1 ± ACRES	92%
BRUSH / GRASS	79.0 ± ACRES	2.7 ± ACRES	7.2 ± ACRES	69.1 ± ACRES	87%
IMPROVEMENTS	20.6 ± ACRES	-	-	-	-
TOTALS	152.8 ± ACRES	2.8 ± ACRES	11.2 ± ACRES	-	-

**PROPOSED CONDITIONS
VEGETATION RETENTION ANALYSIS (APN 032-010-028)**

	1993 CONDITIONS	REMOVED SINCE 1993 FOR OTHER DEVELOPMENT	TO BE REMOVED WITHIN PROPOSED PROJECT AREA	PROPOSED FOR RETENTION	PERCENT RETAINED
TREES	3.7 ± ACRES	0	0.2 ± ACRES	3.5 ± ACRES	95%
BRUSH / GRASS	120.0 ± ACRES	6.6 ± ACRES	26.6 ± ACRES	86.8 ± ACRES	72%
IMPROVEMENTS	0 ± ACRES	-	-	-	-
TOTALS	123.7 ± ACRES	6.6 ± ACRES	26.8 ± ACRES	-	-

As shown in the table above and illustrated on the attached Vegetation Retention Analysis the calculated tree canopy cover and brush / grass cover retention percentages are above the 70% and 40% levels in accordance with County Code.

Watershed:

The project site is located on a northwest / southeast trending range on the east side of the Napa Valley. Rainfall runoff from proposed Vineyard Block A, B and the northern ½ of Block C is in the Lake Hennessey Watershed. The southern ½ of Block C and the entirety of Blocks D and E are located in the Rector Reservoir watershed. Both Lake Hennessey and Rector Reservoir overflow into the Napa River which is ultimately tributary to San Pablo Bay.

No changes in runoff patterns are proposed as part of this project. All existing drainage patterns will be maintained.

Both Lake Hennessey and Rector Reservoir are municipal drinking water supply watersheds.

The subject parcel is not located within the Milliken-Sarco-Tulocay groundwater deficient area.

Site Visits & Photograph Documentation:

Representatives from Applied Civil Engineering Incorporated have visited the site several times from the Fall of 2017 through January 2020. The purpose of the site visits was to review existing site conditions and to verify the general validity of the topographic mapping for this project that was obtained from the Napa County GIS database. Given the density of vegetative cover onsite photographs were difficult so we have presented 3D isometric images obtained from Google Earth in the Photographic Documentation of Existing Site Conditions for the Chappellet Vineyard LLC Vineyard Development Erosion Control Plan.

3. *All natural and man-made features on-site including but not limited to, streams, watercourses (drainage, channels, etc.), wetlands, riparian habitat, lakes, reservoirs, roads, water tanks, septic systems, reservoirs, ponds, etc. Indicate which ones may be affected by the proposed activity. For blue line and County-definitional streams indicate top, toe, and slope of bank, channel depth, and existing and proposed setback conditions. The entire length of blue line streams & 41 County-named streams on the parcel(s) shall be included in photo documentation (a recent aerial may be included). Provide the name and distance of the nearest blue line and/or County-definitional stream(s) to the project site.*

Existing manmade improvements on the subject parcels include paved, gravel and dirt roads, two groundwater wells, irrigation reservoirs and the related irrigation infrastructure serving the existing uses. None of the existing manmade improvements will be affected by the proposed project.

There is one unnamed blue-line stream that crosses both properties. The stream flows through the existing irrigation reservoirs and northerly to Lake Hennessey. All proposed development will be located outside of the required stream setbacks as shown on the Erosion Control Plan. At the closest point the development area is setback 65' from the blue line stream.

On APN 032-560-033 there are four watercourses that have been identified by WRA as being "Waters of the U.S." These watercourses do not meet the County definition of a stream but have been provided a minimum 35' setback as is required for ephemeral streams.

No wetlands were identified within or near the project area by WRA.

4. Location and source of water for irrigation or other uses. Provide copies of all necessary permits.

The irrigation source for the proposed vineyard development is existing groundwater wells on the subject property (APN 032-560-033). No new wells or other water sources are planned at this time.

Please refer to the Water Availability Analysis prepared by O'Connor Environmental for additional information regarding estimated water use and estimated aquifer recharge rates.

5. *Soil types/soil series identified in the Soil Conservation Service (SCS) Napa County Soil Survey, or, if prepared, a site-specific soils report.*

The United States Department of Agriculture Soil Conservation Service Soils Map for Napa County shows several soil types mapped on the subject properties including:

143	Guenoc-rock outcrop complex, 5 to 30 percent slopes
152	Hambright rock-outcrop complex, 30 to 50 percent slopes
176	Rock outcrop-Hambright complex, 50 to 75 percent slopes
178	Sobrante loam, 5 to 30 percent slopes
179	Sobrante loam, 30 to 50 percent slopes
183	Water

The approximate soil type boundaries based on data obtained from the Napa County Geographic Information System database are illustrated on Sheets C3-C4 of the Chappellet Vineyard LLC Vineyard Development Erosion Control Plan.

6. *Critical areas of erosion and slope instability such as gullies, landslides, etc. within or potentially affecting the “development site” (i.e., the area disturbed by the project) or potentially affected by the work to be undertaken within the development site. In the case of landslides a report indicating the probable effects of the planned work on slope stability and erosion levels shall be prepared and submitted by a registered geologist.*

Representatives from Applied Civil Engineering Incorporated have visited the site several times to review the project area and have not observed any signs of gullies, landslides, slope instability or excessive erosion within the project area or in close proximity to the project area that would affect, or be affected by, the proposed project.

Furthermore a landslide hazard evaluation was prepared by O’Connor Environmental to evaluate the effect of the proposed project on slope stability. The report concludes that the proposed project is not expected to cause any significant decrease in slope stability nor any increase in erosion associated with landslide processes.

7. *Any erosion calculations prepared.*

The Universal Soil Loss Equation (USLE) was used to model pre-project and post-project conditions and estimate soil loss rates from the project area due to sheet erosion. The Soil Loss Analysis prepared by Dave Steiner, CPESC, CPSWC is included as an attachment to this document.

The USLE calculations predict that net soil loss rates will decrease slightly relative to existing conditions after implementation of the proposed vineyard erosion control plan and in all cases will be less than the prescribed soil loss tolerance (T) for each soil type.

8. *Any/all proposed erosion control methods including, but not limited to:*

- a. *All drainage systems and facilities, walls, cribbing or other erosion protection devices to be constructed with, or as a part of the proposed work.*

The following measures will be implemented to minimize the potential for erosion on the project site during development and following completion of the vineyard development program:

- Sediment Barriers – Temporary silt fence and straw wattle type sediment barriers will be installed throughout the development area. The planned locations and installation details are provided on the erosion control plan. Additional sediment barriers will be installed as deemed necessary throughout the course of construction. The sediment barriers are intended to provide temporary sediment control during development and until the cover crop is established.
- Erosion Control Blankets – Erosion control blankets will be installed over seed on all cut and fill slopes that are steeper than 4:1 (Horizontal : Vertical). Erosion control blankets will provide additional protection from rainfall impact on exposed soils while the cover crop is getting established. The erosion control blanket locations, specifications and installation details are provided on the erosion control plan.
- Water Bars – Temporary water bars will be installed on vineyard avenues to divert runoff from the avenues to prevent rutting. Water bar locations and installation details are shown on the erosion control plan. Water bar locations will be field verified and adjusted by the Engineer based on field conditions.
- Rolling Dips – Permanent rolling dips will be installed on vineyard access roads to divert runoff from the road surface to prevent rutting. Rolling dip locations and installation details are shown on the erosion control plan. Rolling dip locations will be field verified and adjusted by the Engineer based on field conditions.
- Energy Dissipators – Rock rip-rap energy dissipators will be constructed at the outlet of all water bars and rolling dips that direct flow outside of the vineyard area to dissipate runoff energy and minimize the potential for erosion.
- Rock Filled Vineyard Avenues – At key locations rock filled vineyard avenues have been designed to provide level tractor turnaround areas and to also effectively retain runoff from the upslope vineyard areas. The rock filled vineyard avenues are designed to be on contour so that as they fill and spill water is dispersed downslope over a broad area to prevent concentration of flow.

- b. *Proposed vegetative erosion control measures including maintenance of plant material and slopes until a specified percentage of plant coverage is uniformly established.*

Establishing an effective vegetative cover crop will be the primary method of preventing erosion from the vineyard development area. After the land preparation activities are complete a temporary cover crop will be planted and straw mulch will be spread throughout the cleared area to stabilize the project area through the winter. Minimum coverage has been calculated for each block in order to maintain soil loss rates at or below existing conditions and also below the soil loss tolerance "T" for each soil type. Minimum coverage rates for each development area are as follows:

VINEYARD BLOCK COVER CROP SPECIFICATION TABLE	
Block ID	Required Cover %
A	80%
B	80%
C	85%
D	70%
E	85%

The seed, fertilizer and mulch specifications are provided on the erosion control plan.

This temporary cover crop will be cultivated in the spring and replanted in the fall for the first three years of the vineyard establishment period. Straw mulch will also be applied each fall during the vineyard established period. In the Fall following the vineyard establishment period all vineyard blocks will be planted with a permanent cover crop seed mix and farming practices will transition to a permanent cover, no-till, farming regime. The permanent cover crop will be mowed in the Spring. Spring mowing will be timed to allow maturation of seeds and promote natural stand regeneration. All permanent cover crop areas will be reseeded every two to three years or more frequently as needed to maintain the required cover percentage. Straw mulching and/or compost will also be applied each fall as needed to achieve the required coverage level.

Weed control under the vine rows will be primarily via mechanical means such as string trimmers and minimal herbicide usage. Herbicide used to control weeds within the vineyard block will be limited to spraying of post-emergent herbicide in a narrow 18 inch maximum width strip spray, if necessary to control weeds at the bases of the vines. The post emergent herbicide will be applied in the late winter or early spring to ensure that the spray area has vegetative protection through the rainy season. If the spray areas are not achieving adequate cover they must be mulched with straw or compost and reseeded each year to provide the required cover.

The cover crop should be irrigated prior to the onset of the rainy season for at least the first Fall following development to establish a dense cover prior to the onset of heavy winter rains.

- c. *Proposed erosion control measures for vineyard avenues to accommodate farm or vineyard equipment and materials storage locations*

A permanent cover crop will be planted in the vineyard avenues the first Fall following land preparation activities and it will be maintained as permanent cover throughout the life of the vineyard. No tilling will occur in the vineyard avenues. The permanent cover crop will be mowed in the Spring. Mowing will be timed to allow maturation of seeds and promote natural cover crop regeneration. All permanent cover crop areas will be reseeded every two to three years or more frequently as needed to maintain at least coverage level specified for each vineyard block. Straw mulching and / or pre-irrigation of the cover crop will also be implemented as needed to achieve the required coverage. No herbicides will be used in the vineyard avenues.

Alternatively, vineyard avenues may be lined with crushed rock to limit their susceptibility to erosion and provide all weather access.

Water bars, rolling dips and / or straw wattles will be installed across the sloping vineyard avenues to force runoff off of the avenue and onto adjacent stable areas so that runoff does not concentrate on the vineyard avenues and cause erosion.

9. *Storm water stabilization measures to handle any increased peak rates of runoff from the development of the site that would result in flooding or channel degradation downstream. Include calculations of estimated increased runoff and/or an explanation of why an increase is/is not expected.*

Detailed calculations of predicted runoff rates within the project area for both pre- and post-project conditions utilizing the United States Department of Agriculture Technical Release 55 (USDA TR-55) methodologies are presented in the Hydrologic Analysis prepared by David Steiner, CPESC, CPSWQ. These calculations indicate that post-project conditions, including built in mitigations, will result in runoff rates that are not greater than current conditions for the 2, 5, 10, 25, 50 and 100 year design storm events.

Since the project has been designed to maintain existing drainage patterns and since there will be no increase in peak runoff rates, the proposed project will not result in any significant change to local or regional hydrology / runoff patterns that could result in downstream flooding or channel degradation.

10. An implementation schedule indicating:

- a. The proposed vegetation clearing, earth moving/grading, and construction/planting schedule.
- b. The proposed schedule for winterizing the site (by October 15th of each year the permit is in effect except in a municipal watershed where it is by September 1st).
- c. The proposed schedule for installation of all interim erosion and sediment control measures (including vegetative measures) and the state of completion of such devices/measures at the end of the grading season (i.e., on October 15th [except in 5 designated municipal watersheds where it is September 1st] of each year the permit will be in effect).
- d. The proposed schedule for installation of any permanent erosion and sediment control devices required.

Vineyard Development Schedule

The schedule below is an estimate and is subject to change. Implementation of winterization and erosion control measure must be adjusted to accommodate any changes in development and planning under consultation with the Engineer. All land preparation, planting and erosion control work is to be performed by the property owner or by their contractor / vineyard manager. The vineyard development program will be completed in multiple phases. The schedule below is for Phase I and will be repeated as needed for future phases which may or may not overlap with Phase I.

April 2025

Commence Vineyard Development Program

Begin clearing and grubbing of existing vegetation. Complete land preparation for vineyard planting including: ripping, discing, rock removal and processing, recontouring and incorporation of soil amendments.

Install drainage improvements, waterbars and rock energy dissipators.

Install trellis and irrigation systems.

Plant vines.

Prior to September 1, 2025

Complete all earth disturbing activities & drainage improvements installation.

- Prior to September 15, 2025 **Winterize Site**
Seed vineyard with temporary cover crop seed mix
Seed vineyard avenues with permanent cover crop seed mix
Place fertilizer, straw mulch and erosion control blankets
Install sediment barriers
Install water bars
Pre-irrigate cover crop to establish cover prior to rainy season.
Establish reserve of erosion control measures to be maintained onsite throughout the rainy season to facilitate rapid deployment. Materials shall include silt fence, straw wattle, straw, erosion control seed mix, erosion control blanket and plastic sheeting.
- September 15, 2025 - April 2026
Inspect and maintain vegetative cover and erosion control devices at least once per week, prior to each anticipated rainfall event, at least once every 24 hours during extended rainfall events and following each rainfall event. Reseed and mulch any erosion damaged areas or areas with less than the specified cover percentage and repair or replace erosion control devices as necessary.
- Spring 2026
Cultivate temporary cover crop within vineyard block footprint area and perform fine site grading to repair any storm damaged areas. No tilling of vineyard avenues is to be performed.
Install irrigation and trellis systems. Plant rootstock.
- Prior to September 1, 2026 Complete all earth disturbing activities & drainage improvements installation.
- Prior to September 15, 2026 **Winterize Site**
Seed vineyard with temporary cover crop seed mix
Seed vineyard avenues with permanent cover crop seed mix
Place fertilizer, straw mulch and erosion control blankets
Install sediment barriers
Install water bars
Pre-irrigate cover crop to establish cover prior to rainy season.

Establish reserve of erosion control measures to be maintained onsite throughout the rainy season to facilitate rapid deployment. Materials shall include silt fence, straw wattle, straw, erosion control seed mix, erosion control blanket and plastic sheeting.

September 15, 2026 - April 2027

Inspect and maintain vegetative cover and erosion control devices at least once per week, prior to each anticipated rainfall event, at least once every 24 hours during extended rainfall events and following each rainfall event. Reseed and mulch any erosion damaged areas or areas with less than the specified cover percentage and repair or replace erosion control devices as necessary.

Spring 2027

Cultivate temporary cover crop and perform fine site grading to repair any storm damaged areas.

Prior to September 1, 2027

Complete all earth disturbing activities & drainage improvements installation.

Prior to September 15, 2027

Winterize Site

Seed vineyard with temporary cover crop seed mix
Seed vineyard avenues with permanent cover crop seed mix

Place fertilizer, straw mulch and erosion control blankets

Install sediment barriers

Install water bars

Pre-irrigate cover crop to establish cover prior to rainy season.

Establish reserve of erosion control measures to be maintained onsite throughout the rainy season to facilitate rapid deployment. Materials shall include silt fence, straw wattle, straw, erosion control seed mix, erosion control blanket and plastic sheeting.

September 15, 2027 - April 2028

Inspect and maintain vegetative cover and erosion control devices at least once per week, prior to each anticipated rainfall event, at least once every 24 hours during extended rainfall events and following each rainfall event. Reseed and mulch any erosion damaged areas or areas with less than the specified cover percentage and repair or replace erosion control devices as necessary.

Spring 2028	Cultivate temporary cover crop and perform fine site grading to repair any storm damaged areas.
Prior to September 1, 2028	Complete all earth disturbing activities & drainage improvements installation.
Prior to September 15, 2028	<p data-bbox="688 459 867 493">Winterize Site</p> <ul style="list-style-type: none"> <li data-bbox="777 499 1414 533">Seed vineyard with permanent cover crop seed mix <li data-bbox="777 533 1414 604">Seed vineyard avenues with permanent cover crop seed mix <li data-bbox="777 604 1414 676">Place fertilizer, straw mulch and erosion control blankets <li data-bbox="777 676 1073 709">Install sediment barriers <li data-bbox="777 709 992 743">Install water bars <li data-bbox="777 743 1414 814">Pre-irrigate cover crop to establish cover prior to rainy season. <p data-bbox="688 814 1414 989">Establish reserve of erosion control measures to be maintained onsite throughout the rainy season to facilitate rapid deployment. Materials shall include silt fence, straw wattle, straw, erosion control seed mix, erosion control blanket and plastic sheeting.</p>
September 15, 2028 - April 2029	Inspect and maintain vegetative cover and erosion control devices at least once per week, prior to each anticipated rainfall event, at least once every 24 hours during extended rainfall events and following each rainfall event. Reseed and mulch any erosion damaged areas or areas with less than the specified cover percentage and repair or replace erosion control devices as necessary.
Spring 2029 & Beyond	See Annual Maintenance Schedule
<u>Annual Maintenance Schedule</u>	
Spring	Mow permanent cover crop in vineyard and vineyard avenues and perform fine site grading to repair any storm damaged areas.
Prior to September 15	<p data-bbox="688 1591 867 1625">Winterize Site</p> <p data-bbox="688 1667 1414 1803">Repair any damage to vineyard and vineyard avenues that has occurred during the farming season. Place seed and straw on all vineyard avenues as needed to achieve the specified cover percentage. Install water bars.</p>

Place erosion control seed, fertilizer, straw mulch, erosion control blankets and sediment barriers as necessary to stabilize any erosion prone areas outside and adjacent to the vineyard areas.

September 15 - April 1

Inspect and maintain vegetative cover and erosion control devices at least once per week, prior to each anticipated rainfall event, at least once every 24 hours during extended rainfall events and following each rainfall event. Reseed and mulch any erosion damaged areas or areas with less than the specified percentage cover and repair or replace erosion control devices as necessary.

11. The estimated cost of implementation of the erosion and sediment control measures.

Implementation of erosion and sediment control measures for this project is anticipated to cost approximately \$5,000 to \$10,000 per acre for installation and maintenance. This estimate includes only the erosion and sediment control portions of the project, not the entire cost of permitting, engineering, land preparation, development, irrigation systems, trellis systems, and plants.