Napa County
CONSERVATION, DEVELOPMENT & PLANNING COMMISSION

1195 Third Street, Room 210, Napa, California 94559
(707) 253-4416

BASIC APPLICATION FOR EROSION CONTROL PLAN REVIEW

FOR OFFICE USE ONLY — SUBMITTAL DATE: _____

FILE #: _____ APN #: _____ USGS QUAD: _____

[ ] STRUCTURAL [ ] AGRICULTURAL TOWNSHIP/RANGE: _____

REQUEST: _____

PROJECT TYPE: Agriculture: New ___ Vineyard Replant (Process I: ___ II: ___) Other: _____
Non-Agriculture: Structure ___ Driveway ___ Road ___ Reservoir ___ Other _____

PERCENT SLOPE: Cropland: _____ Structure: _____ Pad: _____ Driveway: _____ Road: _____

OTHER PERMITS: Grading Permit ___ Use Permit: ___ Variance: ___ Septic System Permit: ___ Groundwater Permit: ___

REVIEW AGENCIES: CDPD: X County Consultant: ___ **OR** RCD: ___

FINAL APPROVAL: CDPD: X Date: _____

TO BE COMPLETED BY APPLICANT
(Please type or print legibly)

Applicant's Name: Acme Engineering Inc.

Telephone #: (707) 253-2263 **Fax #:** (707) 253-2149 **E-Mail:** omarrg@acmeng.com

Mailing Address: 1700 Soscol Ave. Ste. 9, Napa, California 94559
No Street City State Zip

Status of Applicant's Interest in Property: Project Engineer

Property Owner's Name: Jeff Butler

Telephone #: (707) 410-8818 **Fax #:** (___) _____ **E-Mail:** jbutler@homewisedocs.com

Mailing Address: 255 North Sierra Street #1906, Reno, NV.
No Street City State Zip

Site Address/Location: N/A (APN: 033-190-006)
No Street City

Assessor's Parcel #: 033-190-006 **Existing Parcel Size:** 10.1 acres **Development Area Size:** 5.1 acres

Slope Range: 13 % to 26 % **Total Acreage ≥ 30%:** 0 acres **Estimated Total Amount of Cut & Fill:** 0 cubic yards

Land or Aerial Survey Prepared By Napa County GIS Data Catalog **Date:** 2002

(**NOTE**: Contour map/survey is required for all development areas with an estimated slope of 15% or greater and for all road/driveway projects, Contour map must include all areas within 100'of the cut and fill edges. Percent slope shall be calculated and presented as whole numbers.)

Source(s) of Water: Existing well on adjacent parcel

Related Permits Filed: ☐ Water Rights ☐ Groundwater ☐ Well ☐ Sewage Disposal ☐ Use Permit/Variance? ☐ Timber Harvest ☐ Stream Alteration ☐ Others: _____

I hereby certify that all the information contained in this application, including but not limited to, this application form, the supplemental information sheets, site plan, plot plan, cross sections/elevations, is complete and accurate to the best of my knowledge. I hereby authorize such investigations including access to County Assessor's Records as are deemed necessary by the County Planning Division for evaluation of this application and preparation of reports related thereto, including the right of access to the property involved.

W. [signature] 11/18/20
Signature of Applicant *Date*

W. [signature] 11/18/20
Signature of Property Owner *Date*

TO BE COMPLETED BY CONSERVATION, DEVELOPMENT AND PLANNING DEPARTMENT

$ _____ _____ _____
Estimated Fee *Receipt Number:* *Received By* *Date*

INDEMNIFICATION AGREEMENT

Pursuant to Chapter 1.30 of the Napa County Code, as part of the application for a discretionary land use project approval for the project identified below, Applicant agrees to defend, indemnify, release and hold harmless Napa County, its agents, officers, attorneys, employees, departments, boards and commissions (hereafter collectively "County") from any claim, action or proceeding (hereafter collectively "proceeding") brought against County, the purpose of which is to attack, set aside, void or annul the discretionary project approval of the County, or an action relating to this project required by any such proceeding to be taken to comply with the California Environmental Quality Act by County, or both. This indemnification shall include, but not be limited to damages awarded against the County, if any, and cost of suit, attorneys' fees, and other liabilities and expenses incurred in connection with such proceeding that relate to this discretionary approval or an action related to this project taken to comply with CEQA whether incurred by the Applicant, the County, and/or the parties initiating or bringing such proceeding. Applicant further agrees to indemnify the County for all of County's costs, attorneys' fees, and damages, which the County incurs in enforcing this indemnification agreement.

Applicant further agrees, as a condition of project approval, to defend, indemnify and hold harmless the County for all costs incurred in additional investigation of or study of, or for supplementing, redrafting, revising, or amending any document (such as an EIR, negative declaration, specific plan, or general plan amendment) if made necessary by said proceeding and if the Applicant desires to pursue securing approvals which are conditioned on the approval of such documents.

In the event any such proceeding is brought, County shall promptly notify the Applicant of the proceeding, and County shall cooperate fully in the defense. If County fails to promptly notify the Applicant of the proceeding, or if County fails to cooperate fully in the defense, the Applicant shall not thereafter be responsible to defend, indemnify, or hold harmless the County. The County shall retain the right to participate in the defense of the proceeding if it bears its own attorneys' fees and costs, and defends the action in good faith. The Applicant shall not be required to pay or perform any settlement unless the settlement is approved by the Applicant.

W. Jeffrey Butler
Applicant

11/18/20
Date

W. Jeffrey Butler
Property Owner (if other than Applicant)

Town of Butler
Project Identification

EROSION CONTROL PLAN SUPPLEMENTAL INFORMATION

Project/Construction Phasing Information

1. Project Description: APN: 033-190-006
Development of approximately 5.1 acres of new vineyard (including vineyard avenues).

Parcel size: 10.1 acres Total land area disturbed: 5.1 acres
Agriculture: NEW plant acres: 3.3 Replant acres: _____
Structures: ☐ residence ☐ building ☐ driveway ☐ road ☐ other_____

2. Project Phases: ■ one ☐ two or ☐ _____
3. Anticipated date to start construction (month/year): April 1, 2021
4. Estimated date of completion of each phase: Phase 1: 10/15/2021
Phase 2: _____
Phase __: _____
5. Total construction time estimated: 6 months
6. Work scheduled between Oct. 1 and Apr. 1? ☐Yes ■No **OR**
between Sept. 1 and Apr. 1? ☐Yes ☐No (municipal watershed)
7. Winterization measures in the Erosion Control Plan Cover crop, straw mulch, straw rolls, water bars
8. Is a grading permit, a well permit, or a sewage disposal permit required? ☐Yes ■No
If yes has the Napa Co ☐ Public Works and/or ☐ Environmental Management Departs. been notified? ☐Yes ☐No

Slope Information

9. Earth moving, grading or land clearing on slope(s) of: 13 % to 26 %
10. Total acreage with slopes greater than or equal to 30%: 0 acres
11. Contour mapping source: Napa County GIS Database

Water Deficient Area, Watershed Area, & Water Rights Diversion Permits

12. Water-deficient area: ☐Yes *(applicant must contact Co Env Mgmt Dept)* ■No
13. Sub-Watershed Name: Suisun Creek
Municipal Reservoir Watershed: ☐Yes ■No
If yes: ☐ Bell Canyon ☐ Kimball ☐ Milliken ☐ Lake Hennessey ☐ Rector

14. Have any other erosion control plans effecting this parcel been approved since 1991? ☐Yes ■No
15. Coverage information (required for projects in any watershed):
(a) Existing acres of tree canopy cover per parcel: 4.8 acres
Proposed acres of canopy cover to be removed: 1.2 acres
Percent of canopy cover to be retained per parcel: 75 %
(b) Existing acres of shrub, brush, grass without tree canopy per parcel: 5.3 acres
Proposed acres of shrub, brush, grass cover to be removed: 3.9 acres
Percent of shrubs, brush, grass to be retained per parcel: 26 %
16. Is there a Water Rights permit associated with the project or parcel? ☐Yes ■No
a) Copy of permit from the State Dept of Water Resources attached? ☐Yes ■No **OR**
b) Date application for necessary permit submitted to this board: _____
c) Copy of associated CEQA document attached? ☐Yes ■No acre/feet _____

Streams, Watercourses, & Streambed Alteration Agreements

17. All streams and watercourses in vicinity of project area(s) shown and the required setback(s) indicated with the distance and slope? ■Yes ☐No

18. Is there a State Dept of Fish & Game Streambed Alteration (1603) Permit associated with the project or parcel? ☐Yes ■No

(a) Copy of State Dept of Fish & Game Permit attached? ☐Yes **OR**

(b) Date application for necessary permit submitted to this agency: _____

(c) Copy of CEQA document prepared attached? ☐Yes ■No

Environmental Setting

19. Is any portion of the project located on or within 500' of a landslide? ☐Yes ■No

Cite source: Geotechnical Investigation - New Vineyard Development Wild Horse Valley Road (APN 033-190-006) Napa CA.

20. Is any portion of the project located in the vicinity of rare/endangered species, species of special concern (plant, animal), wetland (type), riparian habitat, critical habitat, etc.? ■Yes ☐No

If yes, list: Coast live oak woodland and potential special status wildlife habitat.

Cite source/reference(s): Biological Resources Reconnaissance Survey Report

Specific study prepared: BRRSR by WRA Environmental Constultants date: Feb. 2020

21. Is any portion of the project located on or within 500' of an archeological or historic site? ☐Yes ■No

Cite source: A Cultural Resources Evaluation of Approximately for Lands of Butler

Specific study prepared: Cultural Resources Evaluation by ARS date: Feb. 2020

Grading Information

22. Are any new roads/driveways associated with the project? ☐Yes ■No

23. Are any new vineyard avenues associated with the project? ■Yes ☐No

24. Will the project involve any recontouring of the land? ☐Yes ■No

25. Will there be any excavation or fill deeper than 12 inches? ☐Yes ■No

26. Total cubic yards of cut & fill: N/A

Cubic yards of cut: N/A fill: N/A

Spoils location: on-site None off-site None

27. Has a grading permit been filed with the Co Public Works Dept? ☐Yes ■No

28. Will the project involve repair of a landslide? ☐Yes ■No

Location N/A Size N/A Report N/A

TIMBER HARVEST/TIMBER CONVERSION PERMITS

29. Is there a Timber Harvest or Conversion permit associated with the project/parcel? ☐Yes ■No

Number of Acres: _____

a) Copy of State Dept of Forestry Permit attached? ☐Yes **OR**

b) Date application for necessary permit submitted to this agency: _____

c) Copy of associated CEQA document attached? ☐Yes ■No

d) Date other County erosion control plan(s) submitted if different than the application date for this plan: _____

30. Is there a Timberland Conversion Exception associated with the project or parcel? ☐Yes ■No

Attachment A

SUPPLEMENTAL PROJECT INFORMATION

File #: P__ __-__ __ __ __ Owner: Jeff Butler Parcel #: 033 - 190 - 006

Vineyard Development Area Specifics

1. **Size of Area Disturbed:** _____ acres
2. **Size of Vineyard:** 0 acres
3. **Acres of Vines:** 4.8 acres
4. **Slopes of Area Disturbed:** 13 % to 26 %
5. **Amount of Total Acreage Equal to or Above 30% Slope:** 1.2 acres
6. **Total Number of Trees Removed** 11 trees
   a) natives 11 trees
   b) non-natives 0 trees

Vineyard Development Schedule

1. **Pre-Planting Stage:**
   (i.e. land clearing, ripping, installation of drainage system., vineyard staking, installation of irrigation system., installation and maintenance of permanent and temporary erosion control measures, planting of cover crop, straw mulching)
   Start Date: April, 2021 End Date: October 15, 2021 Duration: 180 days
   Temporary Cover Crop Planted X Yes _____ No
2. **Planting Stage:**
   (i.e planting of vines, seeding permanent cover crop, apply straw mulch, maintenance of erosion control measures)
   Start Date: April, 2021 End Date: May, 2021 Duration: 15 days
3. **Operational Stage:**
   (maintenance and adjustment as needed of permanent erosion control practices, implementation of annual vineyard and erosion control measures, commencement of annual harvests)
   Start Date: September 2021

Vineyard Operations Information

1. **Farming Equipment:**
   - X Track-laying Percent of Use 25 %
   - X Rubber-tired Percent of Use 25 %
   - X ATV Percent of Use 25 %
   - X Hand/Manual Percent of Use 25 %
   - ____Other (describe) _____ Percent of Use ____%
2. **Annual Pruning:**
   Time of Year: February - March Number of days: 5 Number of Workers: 5
3. **Annual Sulfuring:**
   Time of Year: March - July Estimated applications/year: 5
4. **Weed Control:**

	Under Vines	***Between Rows***
Type of control	24" Spray Width	Mow
Method of application	Mechanical	Mechanical
Months:	November & February	April & June
Applications/year:	2	2
Number of Workers:	1	1

5. **Harvest (Crush):**
   Length 3 days Number of Workers: 10

6. Frost Protection Method(s)

	Hours of Operation	Frequency (times/year)
____ Return-stack heaters		
____ Sprinklers		
____ Misters		
____ Wind Machines		
_X_ Late Pruning	N/A	Annual
____ Other _____		

7. Rodent Protection Method(s):

____ Rodenticides ____ Raptors
_X_ Traps _X_ Other Predation Habitat
_X_ Fencing

8. Bird Protection Method(s):

	Time of Year (months)	Time of Day	Duration of Use (days per year)
____ Netting			
____ Bird Cannons			
____ Visual Distracters *(Mylar strips, etc)*			
____ Raptor Perches			
_X_ Other Predation Habitat			

9. Proposed Nighttime Activities:

	Time of Night	Duration of Use (days per year)
_X_ Harvest	10 pm	8 hrs
_X_ Sulphur Application	10 pm	8 hrs
_X_ Pesticide/Herbicide Application	10 pm	8 hrs
____ Other _____		

10. Irrigation Methods

____ Sprinklers _X_ Drip System ____ Other _____

11. Other Proposed Activities:

_____
_____
_____

Traffic Characteristics Information

1. Estimated size of grape trucks/truck & trailers to be used: 3/4 tons

2. Estimated number of truck/vehicle trips per day: Crush: 1 Vineyard Development: 1 Annually: 25

3. Estimated number of farmworkers/vehicle: 5 Crush 5 Pruning

4. Lunch provided on-site for farmworkers: _X_ Yes ____ No

5. Proposed primary access: Wild Horse Valley Road

6. Proposed secondary access, if any: _____

Itemized Fertilizer and Pesticide Information

	Application Method (broadcast, spray, drip system, etc)	Application Amount (per acre)	Number of Applications per Year.	Annual Amount Used (per acre)	Total Annual Amount Used Overall.
1. Fertilizers					
AN (As Needed)	Drip System	AN	AN	AN	AN

2. Mildewcides					
Sulfur DF	Spray	3 lbs	5	15 lbs	49.5 lbs
3. Herbicides					
Round Up	Strip Spray	1/8 gal	2	1/8 gal	+/-7/8
Rely	Strip Spray	1/8 gal	2	1/8 gal	+/-7/8
4. Rodenticides					
5. Other Chemicals					

6. Proposed Storage, Mixing/Handling and Safety Measures:

Type of onsite chemical storage facility in use or proposed: Proposed chemical storage facility shall be a designated locked tool shed on an adjacent parcel (owned by Butler).

Location of current or potential area(s) used for the mixing agricultural chemicals and the description of the facilities present thereat: Mixing of agricultural chemicals shall occur in the vineyard at least 50 feet away from any creek, drainage and wetland area.

Location of current or proposed area designated for the cleaning and washing of chemical application equipment: Cleaning shall occur in the vineyard at least 50 feet away from any creek, drainage and wetland area.

Water Source and Usage Information

** Use Attachment D to calculate information requested**

1. Current and/or Proposed Water Supply Source(s):

Agricultural Water Source(s):	***Percent of Total Agricultural Use:***
X Well	3.9 %
____ Spring	26 %
____ Stream or Creek	____%
____ Reservoir(s)	____%
____ Other _____	____%
	100%

Residential and Non-Agricultural Water Source(s) :	***Percent of Total Resid & Non-Ag***
____ Well	____%
____ Spring	____%
____ Stream or Creek	____%
____ Other 75	____%
	100%

2. Current and Future/Proposed Water Usage *(acre-foot per year = AF/yr)* **:**

	Current Usage :	***Future Usage*** :
Vineyard & other Agricultural. Uses:	0 AF/yr	5.10 AF/yr
Residential/Domestic Uses:	0 AF/yr	0 AF/yr
Other Uses:	0 AF/yr	0 AF/yr
Total Usage:	0 AF/yr	0 AF/yr

3. Allowable Groundwater Allotment: 19.42 AF/yr

Rock/Spoils/Debris Disposal Information

1. Use/Disposal of Rock Generated (brought to the surface during the vineyard preparation ripping and raking process)**:**

Proposed Use/Disposal Method **:**	***Percent of Total***	***Location***	
x Road Base (crushed to aggregate size)	25 %	x on-site	None off-site
____"Rock Mulch" (crushed to fist size and returned to fields)	____ %	____ on-site	____ off-site
x Decorative Rock	75 %	x on-site	____ off-site
____Fill (buried)	____ %	____ on-site	____ off-site
____Stacked In Pile	____ %	____ on-site	____ off-site
____Other _____	____ %	____ on-site	____ off-site

2. Estimated Amount of Cut & Fill: N/A cubic yards (total)
N/A cubic yards (cut) N/A cubic yards(fill)

3. If rock/spoils material is to be disposed of off-site, where, what for and how much:

Location of Disposal Site	***Use of Material***	***Quantity***
N/A	N/A	N/A cubic yards
		____ cubic yards
		____ cubic yards

4. Debris Disposal (Location & Method):
____On-site_____ x Off-site Waste Management Facility

Related Permits

1. Please indicate any other related or required permits associated with the proposed conversion plan:

County:

Grading: Yes ____ No x **Groundwater/Well Permit:** Yes ____ No x
Building: Yes ____ No x **Use Permit:** Yes ____ No x
Structural ECP: Yes ____ No x **Variance:** Yes ____ No x
Sewage Disposal: Yes ____ No x **Other Not Listed:** _____

State Dept of Forestry:

Timber Harvest Plan: Yes ____ No x **Timber Conversion Permit:** Yes ____ No x 5.3 acres
Timber Conversion Exemption: Yes ____ No x N/A acres

State Dept of Fish & Game:

Streambed Alteration Permit: Yes ____ No x

State Division of Water Rights:

Appropriate Water Rights Permit: Yes ____ No x

State Environmental Protection Agency:

Chemical Application Permit(s): Yes ____ No x

Other State & Federal Permits *(please list)* **:**

_____

2. Consultation with, or letter of agreement from:

Regional Water Quality Control Brd: Yes ____ No x
National Marine Fisheries Service/NOAA: Yes ____ No x
Army Corps of Engineers: Yes ____ No x
U.S. Fish and Wildlife Service: Yes ____ No x

SUPPLEMENTAL ENVIRONMENTAL INFORMATION (ECP)

To be provided by Property Owner: Jeff Butler

Attach response sheets to this page.

A. GENERAL INFORMATION

1. Name, address, telephone number of property owner.
2. Address of project.
3. APN.
4. Name, Address and telephone number of person to be contacted concerning this project, if different than owner.
5. Indicate type or number of the permit application for the project to which this form pertains.
6. List and describe any other related permits and/or other public approvals required for this project or parcel, including those required by city, regional, state and federal agencies.
7. Existing zoning district.
8. Proposed use of entire site and/or parcel. List and describe any other projects or improvements with site locations anticipated within the next several years (1-3-5 years).

B. PROJECT DESCRIPTION

9. Parcel(s) size(s), acres per parcel.
10. Project(s) size(s), acres per project.
11. Attach plans.
12. Proposed scheduling.
13. Anticipated incremental or phased development.
14. If the project involves Napa County grading permit, use permit, variance or rezoning application, state this and indicate clearly why the application is required.

Discuss and check yes the following items which are applicable to your project or its effects (attach additional sheets)

	YES	NO	
15.	☐	■	Change in existing features of any watercourses, wetlands, tidelands, beaches, hills or alteration of ground contours.
16.	☐	■	Change in scenic views or vistas from existing residential areas or public lands or roads.
17.	☐	■	Change in the pattern, scale or character of general area of project.
18.	☐	■	Change in bay, lake, stream or ground water quality or quantity, or alteration of existing drainage patterns.
19.	■	☐	Site on filled land or on slopes of 5% or more.
20.	☐	■	Substantial change in demand for Napa County services (police, fire, water, sewage, etc.)
21.	☐	■	Relationship to a larger project or series of projects.

C. ENVIRONMENTAL SETTING

22. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, wetlands (types), riparian habitat and any cultural, historical or scenic aspects. Describe any/all existing structures on the site, and the use of the structures. Attach photographs of the site, could include current aerial photo.

23. Describe the surrounding properties (approximately ¼ mile radius form parcel boundary), including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (agriculture, residential, commercial, etc.), intensity of land use (vineyards, winery, one-family, multi-family, industry, etc.), and scale of development (acres, height, setback, yard, etc.). Attach photographs of the vicinity, could include current aerial photo.

D. CERTIFICATION

I hereby certify that the statements furnished responding to the above and in the attached sheets present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

10/18/20
Date

Signature of Property Owner

Lands of Butler New Vineyard Planting

Supplemental Environmental Information (ECP) 11/6/2020

A. General Information

1. **Property Owner:**
   Jeff Butler
   255 North Sierra St.
   Reno, NV. 89501
   (707) 410-8818
2. **Site Address:**
   N/A
3. **APN(s):** 033-190-004
4. **Contact(s):**
   Omar Reveles
   Acme Engineering Inc.
   1700 Soscol Avenue, Ste. 9
   Napa, California 94559
   (707) 253-2263
5. **Type of Permit:** Erosion Control Permit for New Vineyard Development
6. **Related Permit(s):** None
7. **Zoning District(s):** AW – Agricultural Watershed
8. **Other Projects:** There are no other projects anticipated on the subject parcel at this time.

B. Project Description

9. **Parcel Size:** 10.1 acres
10. **Project Size:** 5.1 acres
11. **Plans Attached:** Yes
12. **Proposed Scheduling:** Completed (see narrative on plans)
13. **Anticipated Incremental or Phased Development:** Project completion is not anticipated to occur in phases.
14. **Additional Permit Requirements:** None.
15. **Alteration of Ground Contours:** None.
16. **Change in scenic views or vistas from existing residential areas or public lands or roads:** Project will not change scenic views or vistas from existing residential areas or Public Lands or Roads.
17. **Change in pattern, scale, or character of general area of project:** Project will not change the pattern, scale or character of the general area of the project.
18. **Change in bay, lake, stream or ground water quality or quantity, or alteration of existing drainage patterns:** Because the proposed vineyard will be irrigated with

well water; from a well on the adjacent parcel, the quantity of groundwater required will increase; however, it will remain below the total available groundwater allotment for the parcel.

19. **Site on slopes greater than 5%:** The project is on slopes greater than 5%.
20. **Substantial change in demand for Napa County Services:** The project will not result in a substantial change in demand for Napa County Services.
21. **Relationship to a larger project or series of projects:** There are no other projects anticipated on the subject parcel at this time.

C. Environmental Settings

22. **Project Site:**
    - **a. Description:** In general terms, the project site is composed of oak woodland and non-native grasslands.
    - **b. Topography:** Existing slopes range from 13% to 26%. The only soil type present is Hambright Loam.
    - **c. Soil Stability:** Evidence of recent or incipient instability within the development areas was not observed.
    - **d. Plants:** Vegetation at the project site consists of non-native annual grassland and coast live oak woodland. Detailed plant community descriptions are included in section 5.1 of the Biological Resources Reconnaissance Survey Report by WRA Environmental Consultants.
    - **e. Animals:** Based on section 5.2.2 of the Biological Resources Reconnaissance Survey Report by WRA Environmental Consultants, the project area has the potential to support three special-status wildlife species, these are: pallid bat, fringed myotis, and white tailed kite.
    - **f. Wetlands:** Wetlands do not exist on the subject parcel.
    - **g. Drainages:** There are two Napa County Defined Drainages near the proposed vineyard blocks. Applicable minimum setbacks from top of bank to proposed development boundary shall be maintained.
    - **h. Riparian Habitat:** The drainages mentioned above have riparian vegetation, which shall not be impacted by the proposed development. This will be achieved by maintaining any applicable setbacks from top of bank to the proposed development boundaries.
    - **i. Cultural, Historical and Scenic Aspects:** There are no cultural resources near the proposed development.
    - **j. Existing Structures:** There are no existing structures near the proposed development.

23. **Surrounding Properties:**
    - **a. Description:** The entire subject parcel is surrounded by natural vegetation consisting of woodland and grassland on all four sides. Immediately south of the property is Solano County.
    - **b. Plants and Animals:** The surrounding properties share plant and animal characteristics of the subject property.

c. **Cultural, Historical and Scenic Aspects:** Based on the Cultural Resources Evaluation by Archaeological Resources Service, there have been several previous cultural resource studies conducted near the project area which have positive and negative results. A table of these previous studies is presented in the previously mentioned Cultural Resources Evaluation.
d. **Intensity of Land Use:** The surrounding properties do not bear any encumbrances on the subject property in regards to development, building heights or setbacks.

D. Certification (See attached)

Lands of Butler

Vineyard Operations and Practice Traffic and Equipment Summary

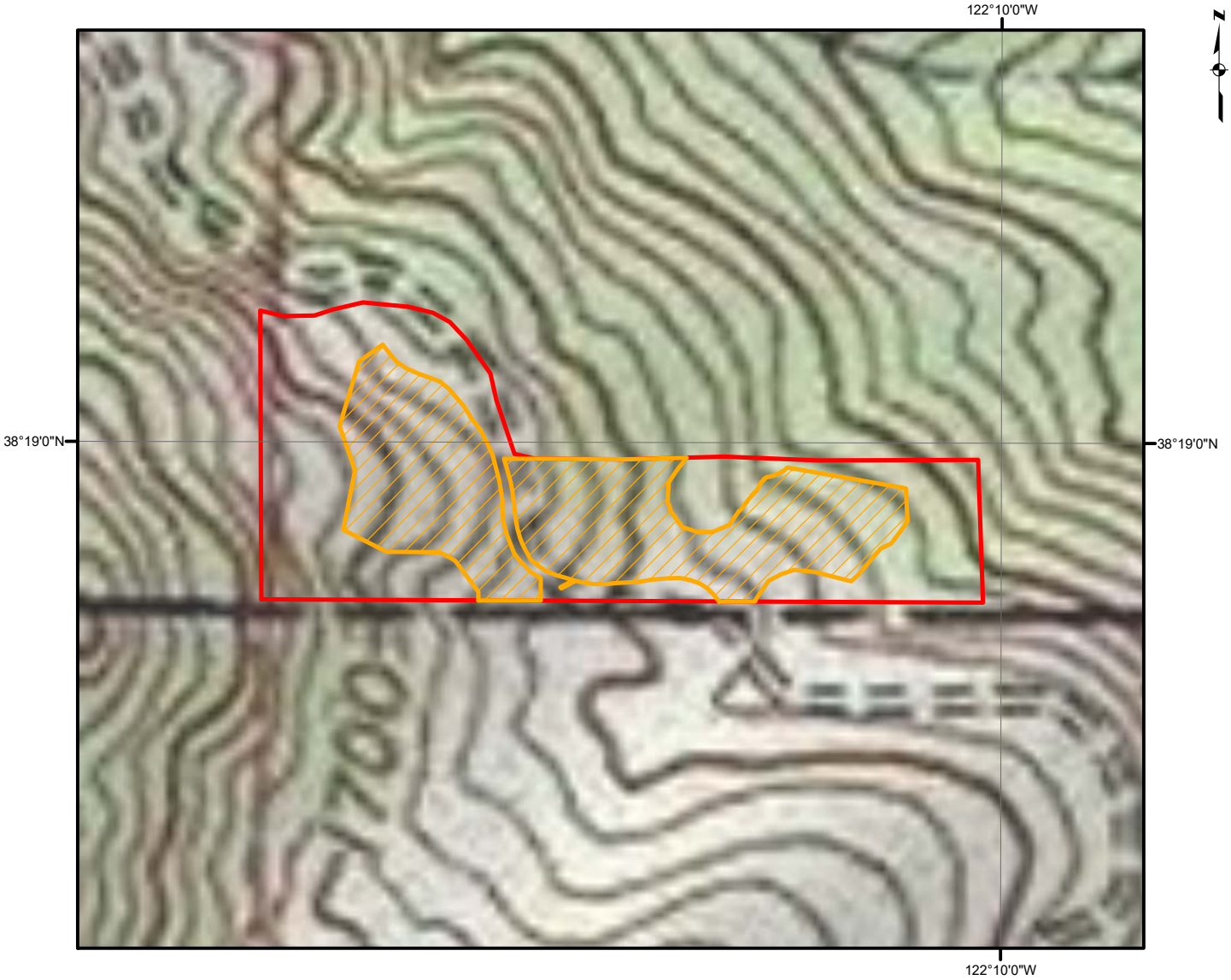
Vineyard Operations and Practice (on approximately 5.1 acres): Involves pruning, pest and disease control, mowing, weed abatement, vine management, irrigation/fertilization, and harvesting. Secondary activities include maintenance of the irrigation system, fruit sampling, inspection and maintenance of erosion control measures.

- Pruning: This process will require a crew of 5 workers. This process typically occurs between February and March. This process will take approximately 5 days to complete.
- Pest and disease control: This process will require a crew of 2 workers and a tractor. This process typically occurs between April and July. Materials are applied approximately every 21 days throughout this period, resulting in a total of approximately 5 applications. Each application will take approximately one night (10pm– 5am) to complete.
- Mowing (between rows): This process will require a crew of 1 worker and a tractor with a mower. This process typically occurs between April and June. Mowing occurs approximately once per month throughout this period, resulting in a total of approximately 2-3 mows. Each mowing event will take approximately 1 day to complete. This process will take place every year, unless some tillage is required before reseeding.
- Weed abatement (herbicide application under vines): This process will require a crew of 1 worker and a tractor with a sprayer. There will be 2 applications per year, (November and February). Each application will take 1 day to complete.
- Vine management: May include suckering, tying, leaf/lateral removal, crop thinning, vine/cane trimming. These activities will require a crew of up to 6 workers. These processes typically occur between March and August. Each of these processes, with the exception of tying and vine/cane trimming will be completed in 1 day. Tying and vine/cane trimming will be completed in 4 days.
- Irrigation/Fertilization: This process will require 1 worker and an ATV. This process typically occurs between May and September. Irrigation typically occurs once every two weeks during the months of May, June & July and every week during the months of August and September, resulting in a total of approximately 15 irrigation sessions per year. Fertilizer will be applied approximately 3 times per year via the drip irrigation system during any of the required irrigations.
- Harvesting: This process will require a crew of 6 workers a tractor/trailer, a forklift and a grape truck. This process typically occurs during the months of October and November. Grapes are usually harvested during the early morning or late evening hours (when it is cooler). Harvesting of the proposed new vineyard development area may be phased into several nights depending on viticulture practices.
- Maintenance of irrigation system: This process will require 1 worker and an ATV. This process can be done during irrigation and fertilization of other vineyard blocks on the property.
- Fruit sampling: This process will require 1 worker and an ATV. This process can be done at any time during the fruit growing season (as requested by the winemaker).
- Inspection and maintenance of erosion control measures: This process will require 1 worker and an ATV (during the inspection phase). A larger work crew and additional equipment may be required depending on the magnitude of maintenance or repairs needed. This process typically occurs during the rainy season (between October and April).

Butler Vineyards

Wild Horse Valley Road
Napa, California
APN: 033-190-006

USGS 7.5 Minute Quadrangle "Mt George", T6N R3W

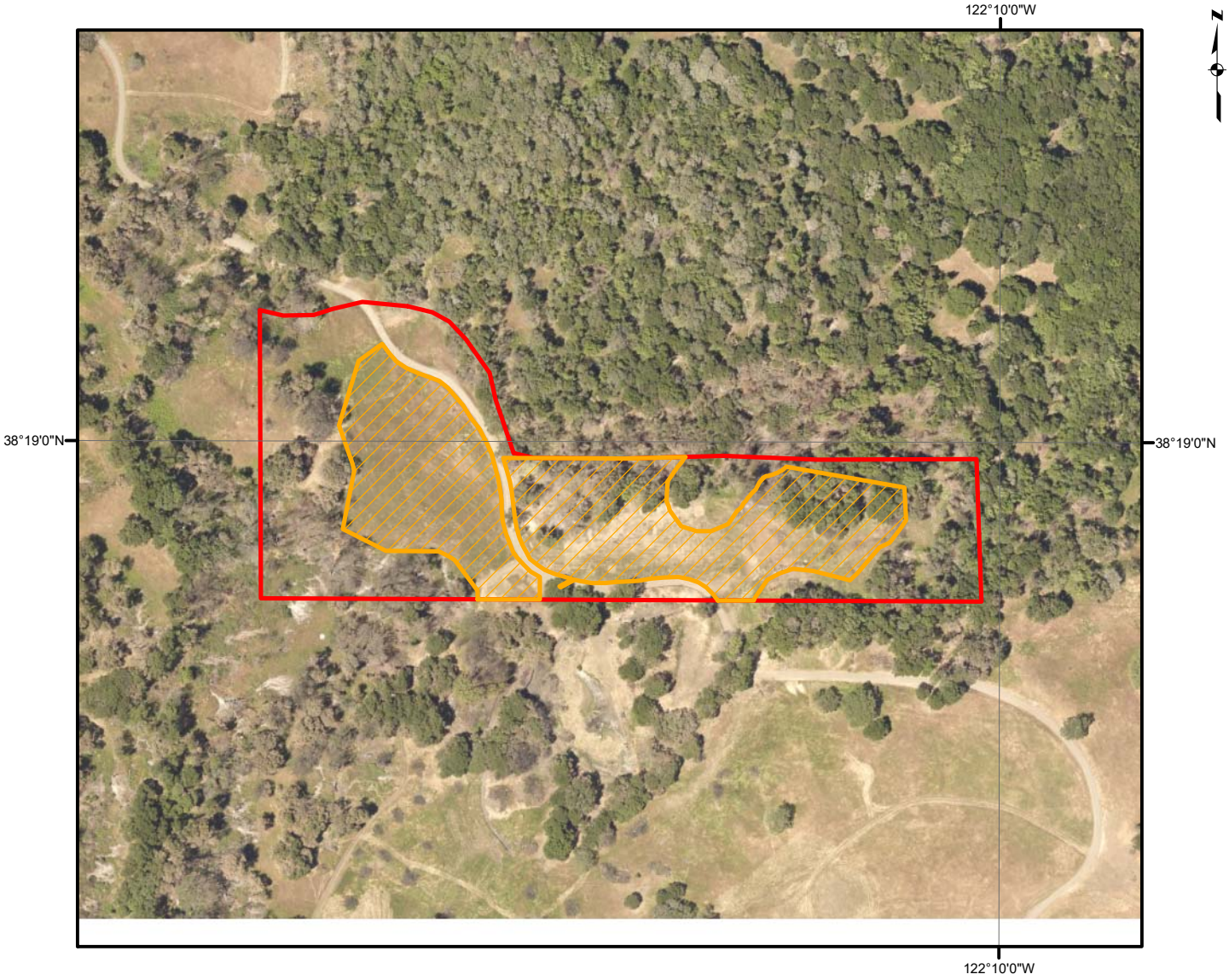


September 2020

Butler Vineyards

Wild Horse Valley Road
Napa, California
APN: 033-190-006

USGS 7.5 Minute Quadrangle "Mt George", T6N R3W



September 2020

Butler Vineyards

APN: 033-190-006, Napa, California

New Vineyard Planting

Erosion Control Plan Narrative

November 3, 2020

Prepared by: Omar Reveles, P.E.

Acme Engineering Inc.

1700 Soscol Avenue, Suite 9

Napa, CA 94559

707-253-2263

Butler Vineyards
New Vineyard Planting
Erosion Control Plan Narrative

Nature and Purpose of All Land Clearing, Grading or Earthmoving Activity

This project proposes the development of approximately 5.1 acres of new vineyard (including vineyard avenues) and approximately 3.3 net acres (excluding vineyard avenues) at APN: 033-190-006, located in Napa, California. An additional 800 square feet (approximately) of earth disturbance will be required for trenching and installation of approximately 130 feet of new irrigation mainline, which shall be installed to provide water from an existing reservoir on the adjacent parcel to the proposed development areas. Furthermore, and additional 0.4 acres of land shall be used for temporary equipment staging and material storage outside of the proposed development area. The property is owned by Jeff Butler and measures approximately (10.1 acres).

Activities associated with the completion of this project include tree and brush removal within the proposed development areas, ripping, rock removal, application of soil amendments prior to planting, seeding of cover crop, mulching, installation of straw wattles, trenching for irrigation pipelines, installation of a new surface drainage mainline, installation of end posts, trellis system and deer fence, and planting of vines.

No off-site spoils disposal sites are anticipated. Rocks encountered in the development area shall be used for decoration. Any leftover rocks shall be used as road base. All temporary rock, soil and soil amendments shall be stockpiled within the development areas, if needed. No long-term stockpiles of rock or soil are anticipated.

Description of Existing Site Conditions (prior to site disturbance):

Topographic information was provided by Napa County GIS Data Catalog, which is based on LiDAR data from 2002. The datum is North American Vertical Datum from 1988 (NAVD 88). The elevations in the proposed vineyard areas range from approximately 1,520 feet to 1,695 feet above mean sea level. Slopes within the proposed vineyard areas range from 13 to 26 percent.

According to a biological report by WRA Environmental Consultants prior to site disturbance, the subject parcel contains vegetation that consists mostly of oak woodland, non-native grasslands, developed areas, and streams. A complete list of plants located within the project areas is included in the biological report prepared by WRA Environmental Consultants, and dated February 2020.

The proposed project shall retain approximately 75% of the tree canopy cover that existed on the property in 2018. The 2018 conditions were used as a baseline due to the fact that the subject parcel was damaged by the 2017 Atlas Fire (Napa County Ordinance No. 1441).

The project site is located in the Suisun Creek watershed, this is not a municipal watershed, nor is it a water deficient area.

Initial site visit was conducted by Omar Reveles of Acme Engineering Inc. on March 20, 2019. Followed by site visits on April 1, 2019 and August 6, 2020.

Natural and man-made features on site:

According to the biological report from WRA Environmental Consultants and dated February 2020, two streams run through the subject parcel, one is an un-named blue line stream, the other is a seasonal drainage. Additionally, there is a roadside ditch which parallels the western edge of the access road and is culverted in several locations. Appropriate setbacks based on existing ground slope shall be maintained from the development boundary to the tops of banks of all nearby streams. These setbacks shall protect any riparian habitat associated with the previously mentioned watercourses.

Based on the biological report from WRA Environmental Consultants and dated February 2020, there are no seasonal wetlands or vernal pools associated with the project footprint.

There are no existing reservoirs on the subject parcel.

Access to the subject parcel is achieved through Twin Sisters Road which is an extension of Wild Horse Valley Road, which is an extension of Coombsville Road. Twin Sisters Road provides access to the

temporary equipment staging and material storage area and to the proposed vineyard development areas. There are no existing structures within the subject parcel boundaries.
As previously mentioned, there are two streams near the project site. One of these streams is just inside the southeast corner of the subject parcel boundary, this is an un-named blue line stream. The other stream intersects the northern boundary of the subject parcel, this is a seasonal drainage. Both streams shall have setbacks from their respective top of bank to the proposed development areas.
There are no existing wells on the subject parcel. The water usage for the proposed vineyard shall be supplied by an existing well on the adjacent parcel, which belongs to the same owner (Jeff Butler). Based on a water availability analysis prepared by Acme Engineering Inc., the total irrigation water required is 0.73 acre-feet per year for the proposed vineyard.
Soil type, boundaries and erosion factors were obtained from Web Soil Survey (https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm). The only soil type present on the project site is Hambrigth Loam. Hambright Loam has a K-factor (soil erodibility) of 0.20. and a T-factor (natural soil loss) of 1 ton per acre.
There are no critical areas for erosion within the project site. Implementation of additional erosion control measures will only enhance the stability of the site.

Proposed Erosion and Sediment Control Measures:
During the first years after vineyard development a soil builder cover crop seed mix shall be used. During these initial years, all row middles shall be tilled in order to incorporate the nutrients from the cover crop back into the soil. To prevent excess soil loss during the soil building period, straw rolls shall be installed on contour (at the locations specified on the erosion control plan sheet) during the first year and as required in subsequent years. Soil loss was calculated using the Universal Soil Loss Equation (USLE). USLE calculation show that a 75% minimum ground cover with all row tillage and straw rolls is adequate to maintain an acceptable level of soil loss during the soil building period. After the soil building period, a permanent cover crop seed mix shall be used and row middles shall no longer be tilled, only mowed. USLE calculations show that a 75% minimum ground cover combined with no tillage is adequate to maintain an acceptable level of soil loss.
As previously mentioned, there is an existing roadside ditch which parallels the western edge of Twin Sisters Road and is culverted in several locations. Portions of this roadside ditch are at the edge of the proposed development boundaries. As part of vineyard development project, the culvert that crosses under the main access road shall be replaced. Water bars shall be installed at locations shown on site plans along vineyard avenues. The final pass with ripping and disking implements shall be done parallel to contours to the maximum extent practicable to prevent channeling of water downhill during the first winter after development.
Temporary erosion control measures shall consist of the following:

- All row middles will be tilled during the soil building period. Cover crop shall be established and maintained with a 75% minimum ground cover.
- Temporary cover crop mix shall be used during the soil building period & shall be installed as follows:

  Roto-till row middles to a 4" depth within 8" of the vines.
  Broadcast the following seed mix:

Cayuse Oats	7.5	pounds per acre
Bell Beans	15	pounds per acre
Purple Vetch	10	pounds per acre
Common Vetch	5	pounds per acre
Dundale Peas	12.5	pounds per acre

  Cover newly seeded soil with rice straw at a rate of 3,000 pounds per acre prior to October 15.
  Alternate seed mixes may be used upon approval of the project engineer.
- Straw wattles shall only be required after earth disturbance and up to the first year after vineyard development at the locations shown on site plan. After the first year, straw wattles shall be installed in proposed vineyard and vineyard avenues if needed.

Permanent erosion control measures shall consist of the following:

- Natural vegetation exists downslope of all blocks and is to be utilized in a permanent fashion as a no-touch buffer. No-touch buffers shall have a minimum width (adjacent to watercourses) as specified on the erosion control plan sheet. No-touch buffers shall consist of healthy existing native vegetation.
- After the soil building period, no tilling shall occur (only mowing) and a permanent cover crop shall be maintained with a 75% minimum ground cover.
- Permanent cover crop shall be installed as follows:

  Broadcast the following seed mix:

Blando Brome	12.5 pounds per acre
Zorro Annual Fescue	5 pounds per acre
Annual Ryegrass	12.5 pounds per acre
Sunrise Balansa Clover	2.5 pounds per acre
Nitro Persian Clover	2.5 pounds per acre
Crimson Clover	5 pounds per acre
Campeda Sub Clover	5 pounds per acre
Intermediate Ryegrass	5 pounds per acre

  Cover newly seeded soil with rice straw at a rate of 3,000 pounds per acre prior to October 15th of each year in the development area until the required cover crop factor is attained and maintained and the site is stable. Alternate seed mixes may be used upon approval of the project engineer.
- Fertilizer shall be applied as necessary by vineyard management personnel for both the vineyard and to achieve the specified vegetative ground cover percentage. A site specific soil analysis should be performed. Fertilizer shall be incorporated into the cover crop seeding process at the time of seeding.
- The proposed vineyard spacing and row direction shall be as follows:

  Blocks 1-2: 8' x 4' (row x vine), tractor farmed with vine row direction oriented up/down hill.
- The owner may subdivide the proposed vineyard blocks further based on viticultural and/or irrigation practices.

No pre-emergent herbicides will be strip sprayed in the vine rows for weed control. Contact or systemic herbicides may be applied. The maximum width of the spray strip shall 24 inches (12 inches on either side of the vine) in order to achieve 75% minimum vegetative cover (based on 8' row spacing) in the proposed tractor farmed vineyard blocks.

Vineyard avenues shall not be disked, only mowed. Vineyard avenues shall be seeded and mulched prior to October 15 of the development year, and in bare or disturbed areas of the following years. Avenues that don't meet the minimum required vegetative cover percent shall be reseeded and mulched until the specified cover is attained. Seeding and mulching is not required on properly surfaced gravel roads and avenues. No off-site spoils disposal sites are anticipated. Rocks encountered in the development area shall be used for decoration. Any leftover rocks shall be used as road base. All temporary rock, soil and soil amendments shall be stockpiled within the development areas, if needed. No long term stockpiles of rock or soil are anticipated.

<u>Storm Water Stabilization Measures:</u>

The intent is to maintain the existing sheet flow and shallow concentrated flow characteristics to the maximum extent practicable; however, there is an existing culvert that discharges runoff directly onto the upslope end of a proposed vineyard development area (Area B). To prevent this, a new drainage mainline is proposed. The proposed drainage mainline shall carry the run-off away from the existing culvert outfall and discharge it at a more stabilized outfall location.

A hydrological study was performed using TR55. The results of this study show that the proposed development will not cause an increase in peak runoff for a 2 year - 24 hour storm, nor will there be an increase in peak runoff for a 100 year - 24 hour storm. Because of these results no increased channel degradation is anticipated due to the proposed vineyard development.

Wildlife Exclusion Fencing:
Deer fencing shall be at least 6 feet tall, include exit gates at the corners, and be comprised of no smaller than 6-inch by 6-inch squares, such that small animals can move freely through the area and deer do not become trapped within the fencing.

Implementation Schedule:
Land Preparation: This portion of the development will consist of clearing, ripping, rock removal, application of soil amendments, maintenance and installation of the proposed drainage structures, installation of end posts, trellis system and deer fence. This will require heavy machinery and large trucks. Approximately 8 workers shall be required for land preparation tasks. These tasks shall be carried out from April to October 2021.

Installation of Vineyard and Erosion Control Measures: This portion of the development will consist of installation of avenues. It shall also include vineyard staking, vineyard planting, irrigation system installation, planting of cover crop and straw mulching. This will require small machinery and foot traffic. Approximately 25 workers will be required for vineyard and erosion control measure installation. These tasks shall be carried out between April and October 2021.

Vineyard Maintenance: This portion of the development will consist of annual vineyard farming practices, annual harvesting and it also includes any necessary adjustments of permanent erosion control practices. This will mostly require ATV and foot traffic; however, if repairs are required larger machinery may also be necessary. The exception to this is during harvest when large trucks and/or trailers are expected to be on site to transport the grapes. The number of workers will vary from 1 during erosion control measure inspections to several during harvest or pruning. These tasks shall begin in September 2021. Winterization tasks shall be completed by October 15 of each year.

Cost of Erosion Control Measures:
Estimated cost of erosion control and sediment control measures (in addition to those previously installed) is approximately $2,600.00 per acre.

Directions to the site:
In order to reach the project site; from Napa, drive east on Third Street until you reach Silverado Trail. Continue straight onto Coombsville Road. Stay on Coombsville Road for approximately 2.5 miles. Coombsville Road becomes Wild Horse Valley Road. Continue onto Wild Horse Valley Road for approximately 3.5 miles. There will be an entrance gate along Wild Horse Valley Road, just north of Lake Madigan. To schedule a site visit please contact Omar Reveles of Acme Engineering Inc. at (707) 253-2263.

Other projects associated with this property:
There are no other projects associated with the subject parcel at this time.

January 8, 2021

Pamela Arifian
Planner II
Napa County Planning, Building & Environmental Services
1195 Third Street, Suite 210
Napa, CA. 94559

This is a response with submittal to comments from the Application Completeness Determination Letter for Butler Vineyard, Agricultural Erosion Control Plan (ECPA) #P20-00284-ECPA, Wild Horse Valley Road: APN 033-190-006, from Napa County Planning, Building & Environmental Services, dated December 17, 2020. Responses are for the review comments for said project.

Comments from Planning Division

1. **Agricultural Erosion Control Plan Application Completeness Items:** This information is necessary to: clearly describe the full extent of the proposed project; adequately disclose, assess, and minimize potential impacts of the project pursuant to CEQA; assess the project's compliance with applicable General Plan Goals and Policies and the County Conservation Regulations; and complete the ECPA application.
    a. Project Description: Confirm total parcel acreage and total development area acreage, including all proposed staging, stockpile areas and irrigation infrastructure, and ensure consistency with technical documents. The Application and Water Availability Analysis (Acme Engineering, November 2020) show a total parcel acreage of 10.1 acres with 5.1 gross acres for development area, while the Cultural Resources Evaluation (ARS, February 2020) shows 11.26 total parcel acres with 7.4 acre gross development acres, the Geotechnical Investigation (Miller Pacific Engineering Group, March 2020 and November 2020) does not include total parcel acreage and shows 7.4 gross development acres in one block only, and the Biological Resources Reconnaissance (WRA, February 2020) shows 11.6 total acres without development area acreage. Based on your email on Thursday January 7, 2020, the 10.1 acres that we are using on the Application and Water Availability Analysis is correct. We have contacted ARS and WRA and they are in accordance with the 10.1-acre parcel size. Miller Pacific Engineering Group did not include a parcel acreage in their report, so there is no discrepancy on their part.
    The gross development acreage (5.1 acres) used in the Application and Water Availability Analysis (Acme Engineering, 2020) is based on the most up-to-date development boundaries identified by Acme Engineering. The 7.4 gross development acres mentioned in the Cultural Resources Evaluation and Geotechnical Investigation are based on preliminary development boundaries. Initially, the proposed development boundary was a bit larger (approximately 7.4 acres). The Cultural Resources Evaluation and Geotechnical Study took into account this larger proposed development area. During the preparation of the erosion control plan application, it was determined that; due to creek/drainage setbacks and tree canopy retention requirements, the proposed development area would be reduced to 5.1 acres. This reduction in acreage was achieved by eliminating portions of development area, mainly at the east/west ends. WRA did not list a development area because during their review final development boundaries had not yet been determined. Instead, their study area was the entire subject parcel.
    Temporary staging area is approximately 0.3 acres (as shown in Erosion Control Plan).
    Temporary stockpile area is approximately 0.1 acres (as shown in Erosion Control Plan).
    Irrigation infrastructure area is approximately 800 square feet (as shown in Erosion Control Plan).
    b. Vegetation Canopy Cover Retention and Clearing Analysis: Please provide a Vegetation Retention Analysis that more accurately details canopy coverage retention and removal pursuant to NCC section 18.108.020(C).
        i. Confirm total existing oak woodland and proposed removal acreage: the application shows 4.8 total acres of tree canopy with 1.2 acres to be removed, while the Biological Resources Reconnaissance shows a total of 6.29 acres of oak woodland without specifying the

proposed project impact but specifying that a minimum of 4.72 acres should be retained. The Biological Resources Reconnaissance shows a total of 6.29 acres of oak woodland. This is a type of land cover, not tree canopy cover. As such it is irrelevant to the tree canopy retention analysis, which requires that tree canopy be preserved at a 3:1 ratio. Because the parcel was burned by the 2017 Atlas Fire, baseline conditions utilized in the tree canopy retention analysis were as existed in the June 2018 aerial image. Removal of 1.2 acres of tree canopy from the 4.8 acres of tree canopy that existed in June 2018, results in a 3:1 tree canopy retention ratio.

ii. While the Biological Resources Reconnaissance Report appropriately utilizes the oak woodland biotic community (or land cover type) to initially identify canopy cover applicable to the vegetation retention requirements, the tree canopy cover should be based on crown area (i.e., upper-story vegetation) of stands of trees: canopy cover is the collective canopy cover of a grouping of woodland trees as viewed from applicable aerial imagery. The tree canopy retention analysis previously submitted is appropriately based on crown cover of a grouping of woodland trees as viewed from the applicable aerial imagery. See Item 1.b.i.

c. ECPA Plans and/or Narrative: Please confirm and/or provide revised plans and/or narrative that includes, shows or clarifies the information below:

i. A revised overall site plan (or figure) showing the locations and details of all existing and proposed fencing within the parcel. This item has been addressed. See Figure 1: Existing Wildlife Exclusion Fencing.

ii. Show location of agricultural chemical mixing and washing area on the plans. This item has been addressed, and is shown on the Erosion Control Site Plan on sheet 3 of the revised plan set.

iii. Depths and limits of proposed vineyard ripping. Also see Site Grading in the Conclusions and Recommendations of the Project Geotechnical Investigation (Miller Pacific, March 2020). Depths and limits of proposed vineyard ripping have been incorporated into the Notes section on sheet 2 of the revised plan set. Additionally, a Site Grading Notes section (which is in accordance with the Site Grading Conclusions and Recommendations section of the project geotechnical investigation) has been incorporated into sheet 2 of the revised plan set.

2. **Supplemental Environmental Information:** The following information is necessary for the County to; adequately disclose and evaluate potential impacts of the proposed project pursuant to CEQA; assess the project's compliance with applicable General Plan Goals and Policies and the County Conservation Regulations; and to complete the ECPA application to continue its review and processing.

a. Biological Resource Information: Provide an addendum or update to the Biological Resources Reconnaissance Survey (WRA February 2020), that includes, shows or clarifies the following information:

i. Revise to include the correct APN (title of bio report shows -004 not -006). This item shall be addressed separately by WRA.

ii. Refer to 1a and 1b, above. Confirm total parcel size, provide development area and area of impact on oak woodland proposed for conversion to vineyard. This item shall be addressed separately by WRA.

iii. Please include proposed development area boundaries in Figure A-2. This item shall be addressed separately by WRA.

iv. Provide a targeted bat habitat assessment that identifies potential bat habitat trees located with the project area and extent of potential bat habitat trees within parcel. This item shall be addressed separately by WRA.

3. **Notification Information/Listing:** A listing of the current owners of all the properties located within 1,000 feet of the project site/holding will be necessary to circulate the CEQA document for public review and comment. The notification information shall include the property owner's names, their addresses, and the assessor's parcel numbers of the property owned. Also, see the enclosed *Adjoining Property Owner List Requirements* instruction sheet. You will be advised when the notification information will need to be provided. Based on our phone conversation on December 22, 2020; and per your recommendation, the notification

listing will be provided when Napa County Planning Building and Environmental Services is preparing to circulate the initial study. We only ask that you provide an advance notice of when circulation of the initial study is anticipated.

Comments from Engineering Division

General Comments

1. Include the following note on the erosion control site plan:
    a. Recommendations in the following Miller Pacific Engineering Group Geotechnical Reports for 2980.001rpt.doc & 2980.001altr.doc are requirements for this project. The contractor shall comply with all requirements identified in the above reports. This item has been addressed, and is shown in the Notes section of sheet 3 of the revised erosion control plan set.

2. The Geotechnical Report recommends subsurface drainage for the slopes west of Wild Horse Valley Road & the northeast corner of the parcel and includes a conceptual subdrain plan. Currently, subsurface drainage is only provided in the northwest portion of Block A. Please provide an additional Geotechnical Plan Review memo that is specific to the subsurface drainage recommendations. We discussed this during our phone conversation on December 22, 2020. Initially, the proposed development boundary was a bit larger (approximately 7.4 acres). The geotechnical study took into account this larger proposed development area. During the preparation of the erosion control plan application, it was determined that; due to creek/drainage setbacks and tree canopy retention requirements, the proposed development area would be reduced to 5.1 acres. This reduction in acreage was achieved by eliminating portions of development area mainly at the east/west ends (in areas where subsurface drainage was initially recommended). The revised development area and proposed subsurface drainage was included in the previously submitted erosion control plan set. Furthermore, a copy of this plan set was provided to Miller Pacific Engineering Group for their review and approval prior to submittal to county. The Geotechnical Plan Review Letter (2980.001altr.pdf) from Miller Pacific Engineering Group was submitted to county along with the rest of the application documents on November 20, 2020. Based on our previous phone conversation, the previously submitted Geotechnical Plan Review Letter from Miller Pacific is adequate.

USLE Comments

1. The USLE achieves a reduction in soil loss by shortening the transect length and using vineyard avenues as deposition zones. Based on the site visit there are no natural deposition zones in the areas of the transects. Please revise the USLE. An acceptable deposition zone would be a 5% slope or less. This item has been addressed and is shown in the revised USLE calculations.

Hydrology Comments

1. The existing culvert shows discharging into Watershed E, however, based on a recent site visit this was not verifiable. It appears this culvert conveys flow under the road and discharges directly to the east into a roadside ditch. Whether this culvert is present or not significantly alters the Hydrologic Analysis. Please review and revise the Hydrology Report accordingly if necessary. We discussed this during our phone conversation on December 22, 2020. Based on the previously submitted Hydrology Report, watershed B drains into watershed C, which in turn enters the culvert in question. It was initially believed that watersheds B & C drained into watershed E; however, after further review it was determined that the existing culvert does in fact convey flow under the road and discharges directly to the east into a roadside ditch. Based on actual field conditions it has been determined that watersheds B & C drain into watershed F (instead of watershed E). Below is a list of the calculated peak flow rates (based on a 100-year storm) for pre/post-development conditions.

Pre-development	Post-development
Watershed B = 2.45 cfs	Watershed B = 2.45 cfs

Watershed C = 0.72 cfs	Watershed C = 0.70 cfs
Watershed E = 4.74 cfs	Watershed E = 4.50 cfs
Watershed F = 1.22 cfs	Watershed F = 1.22 cfs
Watershed B & C combined = 3.17 cfs	Watershed B & C combined = 3.15 cfs
Watershed B, C & E combined = 7.91 cfs	Watershed B, C & E combined = 7.65 cfs
Watershed B, C & F combined = 4.39 cfs	Watershed B, C & F combined = 4.37 cfs

Using the data presented above, it can be concluded that regardless of whether the runoff from the culvert in question discharges into watershed E or watershed F, the post-development peak runoff will not exceed the pre-development peak runoff. Therefore, revisions to the Hydrology Report are not necessary. The only modifications that resulted from this review were the removal of the following items:

1. 12" CMP culvert (from sheet 3 of the revised plan set).
2. 8" runoff collector with 15" guard (from sheet 3 of the revised plan set).
3. 12" S/W CPP mainline (from sheet 3 of the revised plan set).
4. Rock apron at downstream end of proposed surface drainage mainline (from sheet 3 of the revised plan set).
5. Runoff collector detail (from sheet 4 of the revised plan set).

These structures were intended to capture incoming runoff (from watersheds B & C) before it entered the proposed development area (at watershed E), and divert it to a more stabilized outfall location. Because the runoff from watersheds B & C never actually enters the proposed development area (at watershed E), these structures become obsolete and can be removed from the proposed project.

The revised submittal documents have been included with this response letter. If there are additional items that I have not covered above but that you feel are important to the project, please contact me so that we may discuss them. I may be reached at 707-253-2263.

Sincerely,

Omar Reveles, P.E.
R.C.E. 74723
Acme Engineering Inc.

From: Omar Reveles
To: Arifian, Pamela
Cc: Jeff Butler; ryan pierce; Jon Terry
Subject: RE: Butler Vineyard Development P20-00284-ECPA (APN: 033-190-006)
Date: Tuesday, August 17, 2021 1:09:17 PM
Attachments: Issued G2018-0038.pdf

[External Email - Use Caution]

Hi Pam,

Per our conversation earlier today, I am sending you a copy of the approved grading permit from Solano County, which was obtained for the vineyard development project in Solano County.

As I mentioned over the phone, Solano County did not require any biological reports or water availability analysis.

Thanks for your time,

Omar.

From: Arifian, Pamela <pamela.arifian@countyofnapa.org>
Sent: Thursday, August 12, 2021 4:36 PM
To: Omar Reveles <omarrg@acmeng.com>
Subject: RE: Butler Vineyard Development P20-00284-ECPA (APN: 033-190-006)

Hi Omar,

I hope you are well. Was there an environmental document prepared for the vineyard on the Solano County parcel under same ownership and using the same well as the proposed Butler ECP? If so, please send me everything you have for it, including any approval letters or similar documents or WAA.

Thank you,
Pam

Pam Arifian
Planner III
Napa County Planning, Building, & Environmental Services Department
1195 Third Street, 2nd Floor, Napa CA 94559
(707) 259-5934
www.countyofnapa.org

DEPARTMENT OF RESOURCE MANAGEMENT
PUBLIC WORKS - ENGINEERING

675 TEXAS ST., SUITE 5500
FAIRFIELD CA 94533
(707) 784-6765

GRADING PERMIT

Permit No:	G2018-0038
Type:	MAJOR
Site Address:	
APN:	0149010010
Status:	Issued
Applied Date:	11/28/2018
Issued Date:	4/12/2019
Expiration Date:	4/11/2021

Owner:
BUTLER W JEFFREY
50 N SIERRA ST #710

Applicant:
Omar Reveles
1700 Soscol Avenue
Ste 9

Napa, CA 94559

Description of Work:

Develop 25.7 acres of new vineyard including avenues.

Disturbed Surface:	111500 sq. feet 0		
Impervious Surface Area:	0 sq. feet	Earth Movement:	0 cu. yards
Estimated Volume of Excavation:	0 cu. yards	Maximum Depth of Excavation:	0 feet
Estimated Value of Fill:	0 cu. yards	Maximum Depth of Fill:	0 feet
Maximum Existing Slope:	3.6:1	Maximum Proposed Slope:	3.6:1

THIS PERMIT IS ISSUED SUBJECT TO ALL STATE LAWS AND ORDINANCES IN THE COUNTY OF SOLANO, STATE OF CALIFORNIA, AND IS REVOCABLE FOR VIOLATION AT ANY TIME. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE APPROVED APPLICATION.