

**From:** [Arifian, Pamela](#)  
**To:** [Paul Bartelt](#); [Michael Grimes](#)  
**Cc:** [McDowell, John](#)  
**Subject:** FW: P19-00203-UP Burhenne Residence 1080 Greenfield Rd, St. Helena APN 025-390-006  
**Date:** Thursday, April 22, 2021 11:47:00 AM

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Paul and Michael, please see Patrick's summary of conversation with Garrett, below.

Thanks,  
Pam

Pam Arifian  
Planner III  
Napa County Planning, Building, & Environmental Services Department  
1195 Third Street, 2<sup>nd</sup> Floor, Napa CA 94559  
(707) 259-5934  
[www.countyofnapa.org](http://www.countyofnapa.org)

**From:** Ryan, Patrick C. <Patrick.Ryan@countyofnapa.org>  
**Sent:** Thursday, April 22, 2021 8:18 AM  
**To:** Arifian, Pamela <pamela.arifian@countyofnapa.org>  
**Subject:** RE: P19-00203-UP Burhenne Residence 1080 Greenfield Rd, St. Helena APN 025-390-006

Yes, I was able to speak with Garrett (DFW), and we both agreed that the keyed log dissipation would be suitable for the two (2) 4" outlets with level spreader provided the keyed log barrier is installed from bottom of channel to the invert of the subject outlet and extends horizontally to the full width of discharge and flow. With respect to the 8" corrugated PVC pipe it is recommended that a more traditional rock/rip rap outlet dissipation and embankment armoring be installed from bottom of channel to pipe invert.

Let me know if you'd like any additional information.

-Patrick





State of California – Department of Fish and Wildlife  
**NOTIFICATION OF LAKE OR STREAMBED ALTERATION**  
**FISH AND GAME CODE SECTION 1602**  
DFW 2023 (REV. 05/28/19) Page 1

FOR DEPARTMENT USE ONLY				
Date Received	Amount Received	Amount Due	Date Complete	Notification No.
	\$	\$		
Assigned to:				

## NOTIFICATION OF LAKE OR STREAMBED ALTERATION

Complete EACH field, unless otherwise indicated, following the [instructions](#) and submit ALL required enclosures, attachments, and fee(s) to the [CDFW regional office](#) that serves the area where the project will occur. Attach additional pages to notification, if necessary.

### 1. APPLICANT PROPOSING PROJECT

Name	Roseann Burhenne
Business/Agency	
Mailing Address	1080 Greenfield Road
City, State, Zip	St. Helena, CA, 94574
Phone Number	(408) 205-3168
Email	rburhenne@gmail.com

### 2. CONTACT PERSON (Complete only if different from applicant.)

Name	Michael Grimes
Business/Agency	Bartelt Engineering
Mailing Address	1303 Jefferson Street, Suite 200 B
City, State, Zip	Napa, CA 94557
Phone Number	(707) 258-1301
Email	MichaelG@BarteltEngineering.com

While an applicant is legally responsible for complying with Fish and Game Code section 1602 et seq., an applicant may designate and authorize an agent (e.g., lawyer, consultant, or other individual) to act as a Designated Representative. The Designated Representative is authorized to sign the notification and any agreement on behalf of the Applicant.

**Do you authorize the Contact Person above to represent you as your Authorized Designated Representative?**

☒ Yes, I authorize. ☐ No, I do not authorize.

### 3. PROPERTY OWNER (Complete only if different from applicant)

Name	
Mailing Address	
City, State, Zip	
Phone Number	
Email	



#### 4. PROJECT NAME AND AGREEMENT TERM

A. Project Name	1080 Greenfield Road Storm Drain Outfall Improvements		
B. Agreement Term Requested	<input checked="" type="checkbox"/> Regular (5 years or less) <input type="checkbox"/> Long-term (greater than 5 years)		
C. Project Term	Beginning (year)	2020	Ending (year) 2020
D. Seasonal Work Period			
Season(s)*	Start Date (month/day)	End Date (month/day)	E. Number of Work Days
1	06/01	06/01	2
2			
3			
4			
5			

\* Continue on additional page(s) if necessary

#### 5. AGREEMENT TYPE

Check the applicable box. If boxes B – F are checked, complete the <a href="#">specified attachment</a> .	
A.	<input checked="" type="checkbox"/> Standard (Most construction projects, excluding the categories listed below)
B.	<input type="checkbox"/> Gravel/Sand/Rock Extraction (Attachment A) Mine I.D. Number: _____
C.	<input type="checkbox"/> Timber Harvesting (Attachment B) THP Number: _____
D.	<input type="checkbox"/> Water Diversion/Extraction/Impoundment (Attachment C) SWRCB Number: _____
E.	<input type="checkbox"/> Routine Maintenance (Attachment D)
F.	<input type="checkbox"/> Cannabis Cultivation (Attachment E)
G.	<input type="checkbox"/> CDFW Grant Programs Agreement Number: _____
H.	<input type="checkbox"/> Master
I.	<input type="checkbox"/> Master Timber Operations





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## 6. FEES

See the [current fee schedule](#) to determine the appropriate notification fee. Itemize each project's estimated cost and corresponding fee. **Note: CDFW may not process this notification until the correct fee has been received.**

A. Project Name		B. Project Cost	C. Project Fee
1	1080 Greenfield Road Storm Drain Outfall Improvements	\$2,500	\$609.25
2			
3			
4			
5			
6			
7			
8			
9			
10			
		D. Base Fee (if applicable)	\$0.00
		E. TOTAL FEE*	\$609.25

\* Check, money order, and [Visa or MasterCard](#) (select Environmental Fees from Menu) payments are accepted.

## 7. PRIOR NOTIFICATION AND ORDERS

A. Has a notification previously been submitted to, or a Lake or Streambed Alteration Agreement previously been issued by, CDFW for the project described in this notification?		
<input type="checkbox"/> Yes (Provide the information below) <input checked="" type="checkbox"/> No		
Applicant	Notification Number	Date
B. Is this notification being submitted in response to a court or administrative order or notice, or a notice of violation (NOV) issued by CDFW?		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Enclose a copy of the order, notice, or NOV. If the applicant was directed to notify CDFW verbally rather than in writing, identify the person who directed the applicant to submit this notification, the agency he or she represents, and describe the circumstances relating to the order.)		
Name of person who directed notification	Agency	
Describe circumstances relating to order		

☐ Continued on additional page(s)



## 8. PROJECT LOCATION

### A. Address or description of project location.

*(Include a map that marks the location of the project with a reference to the nearest city or town, and provide driving directions from a major road or highway.)*

The project is located at 1080 Greenfield Road, St. Helena, CA which is at the end of Greenfield Road in Napa County, CA. A location map is provided on sheet 1 of the attached plans prepared by Bartelt Engineering.

Driving Directions: Take Silverado Trail to Howell Mountain Road, turn East on Howell Mountain Road, drive 1.2 miles to Conn Valley Road, continue Easterly for 1 mile on Conn Valley Road, turn North on Greenfield Road and continue 1.5 miles to the end of the road.

☐ Continued on additional page(s)

B. River, stream, or lake affected by the project. Unnamed drainage course

C. What water body is the river, stream, or lake tributary to? Lake Hennessy

D. Is the river or stream segment affected by the project listed in the state or federal [Wild and Scenic Rivers Acts](#)? ☐ Yes ☒ No ☐ Unknown

E. County Napa County

F. USGS 7.5 Minute Quad Map Name	G. Township	H. Range	I. Section	J. ¼ Section
Saint Helena	8N	5W	26	NW

☐ Continued on additional page(s)

K. Meridian (check one) ☐ Humboldt ☒ Mt. Diablo ☐ San Bernardino

### L. Assessor's Parcel Number(s)

025-390-006

☐ Continued on additional page(s)

M. Geographic coordinates *(Provide the latitude and longitude coordinates for the property where the project(s) will take place. CDFW utilizes decimal degrees and WGS 84 datum. Access [Google Maps Help](#) if you need assistance in finding your coordinates.)*

Latitude/Longitude	Latitude: 38.519238°	Longitude: -122.384805°
	Latitude:	Longitude:
	Latitude:	Longitude:
	Latitude:	Longitude:
	Latitude:	Longitude:



## 9. PROJECT CATEGORY

WORK TYPE	NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR-MAINTAIN-OPERATE EXISTING STRUCTURE
Bank stabilization – bioengineering/recontouring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank stabilization – rip-rap/retaining wall/gabion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boat dock/pier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boat ramp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bridge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel clearing/vegetation management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culvert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filling of wetland, river, stream, or lake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geotechnical survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat enhancement – revegetation/mitigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Levee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low water crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Road/trail	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sediment removal: pond, stream, or marina	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
flood control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storm drain outfall structure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary stream crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility crossing: horizontal directional drilling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
jack/bore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
open trench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water diversion without facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water diversion with facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





## 10. PROJECT DESCRIPTION

- A. Describe the project in detail. Include photographs of the project location and immediate surrounding area.
- Written description of all project activities with detailed step-by-step description of project implementation.
  - Include any structures (e.g., rip-rap, culverts) that will be placed or modified in or near the stream, river, or lake, and any channel clearing.
  - Specify volume, and dimensions of all materials and features (e.g., rip rap fields) that will be used or installed.
  - If water will be diverted or drafted, specify the purpose or use and include [Attachment C](#).
  - Enclose diagrams, drawings, design plans, construction specifications, and maps that provide all of the following: site specific construction details; dimensions of each structure and/or extent of each activity in the bed, channel, bank or floodplain; overview of the entire project area (i.e., "bird's-eye view") showing the location of each structure and/or activity, significant area features, stockpile areas, areas of temporary disturbance, and where the equipment/machinery will access the project area.
    - A helpful resource to assist in the development of quality PDF maps in Google Earth. See [Using Google Earth to Map your Property \(PDF\)](#).

The project includes the following work at the three (3) discrete existing pipe outfalls below an unnamed drainage course top of bank as shown in details and photographs on the attached plan sheets:

1) approximately 1.5 feet of 4 inch perforated PVC pipe will be installed as a T-spreader on the end of an existing 4 inch subdrain pipe protruding from the drainage course bank. From the T-spreader, approximately 4.5 feet of a 4 foot-wide biodegradable erosion control blanket (Tensar North American Green C125BN or approved equal) will be installed vertically on the bank until it reaches the toe of the drainage course bank. An eight (8) to 12 inch diameter log (or logs), the width of the erosion control blanket, will be placed parallel to the thalweg and on top of the erosion control blanket where the blanket terminates at the toe of the bank;

2) approximately 1.5 feet of 4 inch perforated PVC pipe will be installed as a T-spreader on the end of an existing 4 inch subdrain pipe protruding from the drainage course bank. Starting from the T-spreader, approximately 20 inches above the toe of the bank, eight (8) to 12 inch diameter logs, the width of the T-spreader, will be keyed into the side of the bank parallel to the thalweg until they reach the toe of the bank; and finally,

3) Starting from an existing eight (8) inch pipe outfall protruding from the drainage course bank approximately 4 feet above the toe of bank, eight (8) to 12 inch diameter logs, 24 inches long will be keyed into the side of the bank parallel to the thalweg. The erosion control blanket, T-spreader, and keyed logs details are show on the project plans.

☐ Continued on additional page(s)

B. Specify the equipment and machinery that will be used to complete the project.

All work will be done by hand or by using standard hand tools. No machinery will be utilized for this project

☐ Continued on additional page(s)

C. Will water be present during the proposed work period (specified in box 4.D) in the stream, river, or lake (specified in box 8.B).

☐ Yes ☒ No (Skip to box 11)

D. Will the project require work in the wetted portion of the channel?

☐ Yes (Enclose a plan to divert water around work site)  
☐ No





## 11. PROJECT IMPACTS

A. Describe impacts to the bed, channel, and bank of the river, stream, or lake, and the associated riparian habitat. Specify the dimensions of the modifications in length (linear feet) and area (square feet or acres) and the type and volume of material (cubic yards) that will be moved, displaced, or otherwise disturbed, if applicable.

Project impacts to the bed and bank of the drainage course will be limited to that which is necessary to construct the improvements described in item 10.A above. No machinery is proposed for the project. Human labor using hand-tools will install the proposed improvements. The impacts are summarized as:  
1) 32+/- square feet of creek bank will have an erosion control blanket installed directly upon it; and,  
2) less than 0.25 cubic yards of bank will be removed to allow for the construction of the keyed logs.

☐ Continued on additional page(s)

B. Will the project affect any vegetation?

☐ Yes (Complete the tables below) ☒ No (Include aerial photo with date supporting this determination)

Vegetation Type	Temporary Impact	Permanent Impact
none	Linear feet: 0.00 Total area: 0.00	Linear feet: 0.00 Total area: 0.00
	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____

Tree Species	Number of Trees to be Removed	Trunk Diameter (range)
None	0	n/a

☐ Continued on additional page(s)

C. Are any special status animal or plant species, or habitat that could support such species, known to be present on or near the project site?

☐ Yes (List each species and/or describe the habitat below) ☒ No ☐ Unknown

☐ Continued on additional page(s)

D. Identify the source(s) of information that supports a "yes" or "no" answer above in Box 11.C.

Napa County Parcel Report, dated April 10, 2020, and Napa County Sensitivity Map, dated March 4, 2019.

☒ Continued on additional page(s)

E. Has a biological study been completed for the project site?

☐ Yes (Enclose the biological study) ☒ No

Note: A biological assessment or study may be required to evaluate potential project impacts on biological resources.



F. Has one or more technical studies (e.g., engineering, hydrologic, geological, or geomorphological) been completed for the project or project site?

☐ Yes (Enclose the study(ies))

☒ No

*Note: One or more technical studies may be required to evaluate potential project impacts to a lake or streambed.*

G. Have fish or wildlife resources or waters of the state been mapped or delineated on the project site?

☐ Yes (Enclose the mapped results)

☒ No

*Note: Check "yes" if fish and wildlife resources or waters of the state on the project site have been mapped or delineated. "Wildlife" means and includes all wild animals, birds, plants, fish, amphibians, reptiles and related ecological communities, including the habitat upon which the wildlife depends." (Fish & G. Code, § 89.5.) If "yes" is checked, submit the mapping or delineation. If the mapping or delineation is in digital format (e.g., GIS shape files or KMZ), you must submit the information in this format for CDFW to deem your notification complete. If "no" is checked, or the resolution of the mapping or delineation is insufficient, CDFW may request mapping or delineation (in digital or non-digital format), or higher resolution mapping or delineation for CDFW to deem the notification complete.*

## 12. MEASURES TO PROTECT FISH, WILDLIFE, AND PLANT RESOURCES

A. Describe the techniques that will be used to prevent sediment, hazardous, or other deleterious materials from entering watercourses during and after construction.

The primary technique that will be used to prevent sediment, hazardous, or other deleterious materials from entering watercourses during and after construction is the implementation of manual labor rather than machinery. Hand tools will be used to carefully excavate the volume of soil needed to key in the proposed logs. This material will be disposed of properly elsewhere on the parcel outside the top of bank. Installation and construction will be performed per the details on the plans which are current and approved industry standard practices conforming to California Stormwater Quality Association (CASQA) Best Management Practices handbooks.

☐ Continued on additional page(s)

B. Describe project avoidance and/or minimization measures to protect fish, wildlife, and plant resources.

This project's minimization measures to protect fish, wildlife, and plant resources are 1) to implement manual labor and hand tools to minimize any disturbance below the top of the drainage course bank, bed, and channel; 2) re-purposing natural materials (logs) found onsite; 3) utilization of biodegradable erosion control blankets; and, 4) project scheduling during dry season when no water will be present in the drainage course.

☐ Continued on additional page(s)

C. Describe any project mitigation and/or compensation measures to protect fish, wildlife, and plant resources.

This project proposes to implement manual labor, hand tools, natural and biodegradable materials, and scheduling to protect fish, wildlife, and plant resources. The use of manual labor and hand tools will reduce the disturbed area. No vegetation is proposed to be removed. Scheduling construction when the drainage course is dry will decrease disruption to the bed and bank. All of these measures, as well as the project itself, intend to reduce and/or minimize erosion of the drainage course bank and bed which should decrease sediment transport within the watercourse thereby improving the health of the fish, wildlife, and vegetation in the surrounding area and downstream.

☐ Continued on additional page(s)





### 13. PERMITS

List any local, State, and federal permits required for the project and check the corresponding box(es). Enclose a copy of each permit that has been issued.

- A. Napa County Use Permit (P19-00203) ☒ Applied ☐ Issued
- B. \_\_\_\_\_ ☐ Applied ☐ Issued
- C. \_\_\_\_\_ ☐ Applied ☐ Issued
- D. Unknown whether ☐ local, ☐ State, or ☐ federal permit is needed for the project. (Check each box that applies)
- ☐ Continued on additional page(s)

### 14. ENVIRONMENTAL REVIEW

A. Has a <u>CEQA</u> lead agency been determined?			
<input checked="" type="checkbox"/> Yes (Complete boxes B, C, D, E, and F) <input type="checkbox"/> No (Skip to box 14.G)			
B. CEQA Lead Agency		Napa County	
C. Contact Person		Joan Gargiulo	D. Phone Number 707-299-1361
E. Has a draft or final document been prepared for the project pursuant to CEQA and/or NEPA?			
<input type="checkbox"/> Yes (Check the box below for each CEQA or NEPA document that has been prepared and enclose a copy of each.)			
<input checked="" type="checkbox"/> No (Check the box below for each CEQA or NEPA document listed below that will be or is being prepared.)			
<input checked="" type="checkbox"/> Notice of Exemption	<input type="checkbox"/> Mitigated Negative Declaration	<input type="checkbox"/> NEPA document (type): _____	
<input type="checkbox"/> Initial Study	<input type="checkbox"/> Environmental Impact Report		
<input type="checkbox"/> Negative Declaration	<input type="checkbox"/> Notice of Determination (Enclose)		
<input type="checkbox"/> THP/ NTMP	<input type="checkbox"/> Mitigation, Monitoring, & Reporting Plan		
F. <u>State Clearinghouse Number</u> (if applicable)			
G. If the project described in this notification is not the "whole project" or action pursuant to CEQA, briefly describe the entire project (Cal. Code Regs., tit. 14 § 15378).			
Section 10, "Project Description", provides complete details on the proposed project occurring within and at the top of the drainage course bank, bed, and channel.			
<input type="checkbox"/> Continued on additional page(s)			





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H. Has a CEQA filing fee been paid pursuant to Fish and Game Code section 711.4?

☐ Yes (Enclose proof of payment) ☒ No (Briefly explain below the reason a CEQA filing fee has not been paid)

Note: The [CEQA filing fee](#) is in addition to the notification fee. If a CEQA filing fee is required, the Lake or Streambed Alteration Agreement may not be finalized until paid.

Napa County, acting as the Lead Agency, has not finalized the CEQA application as of the date of this application.

**15. SITE INSPECTION**

Check one box only.

☐ In the event CDFW determines that a site inspection is necessary, I hereby authorize a CDFW representative to enter the property where the project described in this notification will take place at any reasonable time, and hereby certify that I am authorized to grant CDFW such entry.

☒ I request CDFW to first contact (insert name) Michael Grimes at  
(insert phone number or email address) 707-258-1301 to schedule a date and time to enter the property where the project described in this notification will take place. I understand that this may delay CDFW's determination as to whether a Lake or Streambed Alteration Agreement is required and/or CDFW's issuance of a draft agreement pursuant to this notification.

**16. DIGITAL FORMAT**

Is any of the information included as part of the notification available in digital format (i.e., CD, DVD, etc.)?

☒ Yes (Please enclose the information via digital media with the completed notification form.)

☐ No

**17. SIGNATURE**

I hereby certify that to the best of my knowledge the information in this notification is true and correct and that I am authorized to sign this notification as, or on behalf of, the applicant. I understand that if any information in this notification is found to be untrue or incorrect, CDFW may suspend processing this notification or suspend or revoke any draft or final Lake or Streambed Alteration Agreement issued pursuant to this notification. I understand also that if any information in this notification is found to be untrue or incorrect and the project described in this notification has already begun, I and/or the applicant may be subject to civil or criminal prosecution. I understand that this notification applies only to the project(s) described herein and that I and/or the applicant may be subject to civil or criminal prosecution for undertaking any project not described herein unless CDFW has been separately notified of that project in accordance with Fish and Game Code section 1602 or 1611.

  
\_\_\_\_\_  
Signature of Applicant or Applicant's Authorized Representative

5/1/20  
\_\_\_\_\_  
Date

Roseann Burhenne  
\_\_\_\_\_  
Print Name