



165 South Fortuna Boulevard, Fortuna, CA 95540

707-725-1897 • fax 707-725-0972

trc@timberlandresource.com

September 17th, 2019

Attention: Andrew Orahoske
CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
REGION 1- NORTHERN REGION
619 2nd Street
Eureka, CA 95501

RE: LSAA 1600-2018-0695 Petrushevski

In response to an email received from Andrew Orahoske at CDFW on 02/22/2019. The following are the observations and recommendations listed below and our responses to them:

1. Encroachment notified as Crossing #1 in initial notification. Observed approximately rock filled crossing within hydrologically connected wetlands and stream. Approximate dimensions of fill 50'x30'x20' with approximate depth of 6 inches, placed into wetlands. Sediment delivery occurring to wetlands and stream from the crossing materials and adjacent road access.

Response: The Applicant shall install a minimum 18-inch diameter culvert on the road. The revised notification for this crossing is attached to this document.

2. Stream draining wetlands is completely cutoff by primary access road, and water is diverted into inboard ditch causing erosion downslope.

Response: The Applicant shall install a minimum 18-inch diameter culvert on the road. The appropriate fees will be included in the revised notification for this crossing which is attached to this document.

3. Reservoir constructed with native soils, with cracking and slumping in the dam walls. Aerial imagery indicates recent construction of the reservoir (2017-2018). Outlet is a 12" diameter culvert that discharges into a hydrologically connected wetland, thence to Elk Creek downslope. Wetland delineation document produced by applicant and observations in the field reveal that the reservoir is surrounded on 4 sides by 3 parameter wetlands, with hydrological connectivity downslope to Elk Creek. No slope stability or soils report has been provided for the reservoir. Two large water bladders were observed within hydrologically connected wetlands. Applicant's consultant (S. Doyle) stated that the water bladders were used during the 2018 growing season, and filled with water sourced from the Point of Diversion on Elk Creek (below).

Response: Disagree, during a site visit on January 23rd, 2019 we did not observe cracking and slumping in the dam walls. The overflow spillway does not discharge into the delineated wetland nor did it hydrologically connect to Elk Creek downslope. One of the two bladders observed was not within the delineated wetland. The Applicant's consultant Steve Doyle did not state that the bladders were used during the 2018 growing season. The Applicant no longer uses the bladders and they shall be removed per the revised notification attached to this document.

The Applicant hired an Engineering Geologist to produce a report to evaluate the Ponds stability. SHN concluded in the report that the structure is well built and maintained, with a low potential for failure. It was also noted that no seepage or cracking was observed within the embankment. The SHN report is attached to this document.

4. Encroachment notified as POD in initial notification. Point of diversion observed as an unscreened poly pipe within a 5-gallon plastic bucket in Elk Creek. Significant streambank erosion observed at the access point along with an area cleared and leveled for the operation of a powered water pump directly adjacent to the stream. Multiple irrigation lines observed running uphill, some leading to water bladders, others continued uphill toward cultivation sites and residence.

Response: Disagree, the Applicant used a small foot path to access the POD. The point did not have significant erosion. The area was not cleared and leveled for an operation of a water pump. The Applicant plans to use the POD to top off the Rain Catchment Pond for irrigation of agriculture. The Applicant has drilled a permitted well and plans to use this for domestic and agricultural as well. The location with revised maps, addendums and Well Completion Report are attached to this document.

Sincerely,



Chris Carroll, RPF #2628
Timberland Resource Consultants



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 enclosed instructions and submit ALL required enclosures. Attach additional pages, if necessary.

1. APPLICANT PROPOSING PROJECT

Name	Dejan Petrushevski			
Business/Agency	Mayers Flat Farm Inc.			
Mailing Address	P.O. Box 2114			
City, State, Zip	Redway, CA, 95560			
Telephone	646-732-4597	Fax		
Email	deyanrlm@gmail.com			

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

Name	Chris Carroll @ Timberland Resource Consultants			
Street Address	165 South Fortuna Blvd			
City, State, Zip	Fortuna, Ca, 95540			
Telephone	707-725-1897	Fax		
Email	carroll@timberlandresource.com			

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

Name	Mayers Flat Farm Inc.			
Street Address	P.O. Box 2114			
City, State, Zip	Redway, CA, 95560			
Telephone		Fax		
Email				

4. PROJECT NAME AND AGREEMENT TERM

A. Project Name		APN 211-372-006		
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		D. Seasonal Work Period		E. Number of Work Days
Beginning (year)	Ending (year)	Start Date (month/day)	End Date (month/day)	
2019	2024	June 15th	October 15th	
				TBD



5. AGREEMENT TYPE

Check the applicable box. If box B, C, D, E, or F is checked, complete the specified attachment.

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: <u>SIUR to be filed</u>
E.	<input type="checkbox"/> Routine Maintenance (Attachment D)	
F.	<input checked="" type="checkbox"/> Cannabis Cultivation (Attachment E)	
G.	<input type="checkbox"/> Department Grant Programs	Agreement Number: _____
H.	<input type="checkbox"/> Master	
I.	<input type="checkbox"/> Master Timber Operations	

6. FEES

See the current fee schedule to determine the appropriate notification fee. Itemize each project's estimated cost and corresponding fee. **Note: The Department may not process this notification until the correct fee has been received.**

A. Project		B. Project Cost	C. Project Fee
1	1 Point of Diversion	<\$5,000	\$577.25
2	1 Crossing upgrades	<\$5,000	\$577.25
3			
4	Remediation Fee < 1,000 sq ft		\$3,087.50
5	----- submitted previously on 11-12-2018 -----	Total Fee	\$4,242.00
6	-----	-----	-----
7	----- Below is submitted fees with this revised notification -----	-----	-----
8	1 Crossing upgraded ----- added to the existing submission	<\$5,000	\$596.00
9		Total submitted in revised notification =	\$596.00
10			
		D. Base Fee (if applicable)	
		E. TOTAL FEE*	\$4,838.00

* Cash, check, and Visa or MasterCard 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, the Department for the project described in this notification?

Yes (Provide the information below) No

Applicant	Notification Number	Date
Dejan Petrushevski	1600-2018-0695	5-24-2019

B. Is this notification being submitted in response to a court or administrative order or notice, or a notice of violation (NOV) issued by the Department?

No Yes (Enclose a copy of the order, notice, or NOV. If the applicant was directed to notify the Department verbally rather than in writing, identify the person who directed the applicant to submit this notification and the agency he or she represents, and describe the circumstances relating to the 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 within the Elk Creek watershed. Take highway 101 to Avenue of the Giants to Elk Creek Road to Dyervilleloop Road to Mail Ridge to Elk Mountain.

See attached Location Map.

Continued on additional page(s)

B. River, stream, or lake affected by the project. Unnamed Class II & III Watercourses

C. What water body is the river, stream, or lake tributary to? Elk Creek - South Fork Eel River

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 Humboldt

F. USGS 7.5 Minute Quad Map Name	G. Township	H. Range	I. Section	J. ¼ Section
Myers Flat, CA	2S	3E	25	SE

Continued on additional page(s)

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

L. Assessor's Parcel Number(s)

211-372-006

Continued on additional page(s)



M. Coordinates (If available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes)			
Latitude/Longitude	Latitude:	See Addendum 8M	Longitude:
	<input type="checkbox"/> Degrees/Minutes/Seconds		<input checked="" type="checkbox"/> Decimal Degrees
			<input type="checkbox"/> Decimal Minutes
UTM	Easting:	Northing:	<input type="checkbox"/> Zone 10 <input type="checkbox"/> Zone 11
Datum used for Latitude/Longitude or UTM		<input type="checkbox"/> NAD 27	<input checked="" type="checkbox"/> NAD 83 or WGS 84

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 checked="" type="checkbox"/>	<input checked="" 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 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): Groundwater Well	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



F. Has a hydrological study been completed for the project or project site?

Yes (Enclose the hydrological study) No

Note: A hydrological study or other information on site hydraulics (e.g., flows, channel characteristics, and/or flood recurrence intervals) may be required to evaluate potential project impacts on hydrology.

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 the Department to deem your notification complete. If "no" is checked, or the resolution of the mapping or delineation is insufficient, the Department may request mapping or delineation (in digital or non-digital format), or higher resolution mapping or delineation for the Department 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 from entering watercourses during and after construction.

Soil Stabilization Measures attached. The Applicant shall adhere to CDFW's standard measures for stream crossing upgrades, which consist of: Work within the active channel of a stream shall be restricted to periods of dry weather; Excavated fill material shall be placed in upland locations where it cannot deliver to a watercourse; and ensuring runoff from steep, erodible surfaces will be diverted into stable areas with little erosion potential or contained behind erosion control structures.

Continued on additional page(s)

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

Crossing upgrades, channel realignment and remediation shall be conducted/implemented per attached BMPs, which are taken from the California Salmonid Stream Habitat Restoration Manual & Handbook for Forest, Ranch and Rural Roads.

Continued on additional page(s)

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

The crossing upgrades, channel realignment and remediation are expected to minimize baseline sedimentation levels entering the watershed from the property, and will avoid potential significant impacts associated with total crossing failure.

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. Water Quality Control Board Order No. 2017-0023 Applied Issued
- B. Commercial Medical Marijuana Land Use Ordinance Applied Issued
- C. California Department of Food & Agriculture Temporary Cannabis Cultivation License 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 draft or final document been prepared for the project pursuant to the California Environmental Quality Act (CEQA) and/or National Environmental Protection Act (NEPA)?

- Yes (Check the box for each CEQA or NEPA document that has been prepared and enclose a copy of each.)
- No (Check the box for each CEQA or NEPA document listed below that will be or is being prepared.)

- | | | |
|-----------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------|
| <input type="checkbox"/> Notice of Exemption | <input checked="" 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 | |

B. State Clearinghouse Number (if applicable) No. 2015042074

C. Has a CEQA lead agency been determined? Yes (Complete boxes D, E, and F) No (Skip to box 14.G)

D. CEQA Lead Agency California Regional Water Quality Control Board North Coast

E. Contact Person Mathias St. John F. Telephone Number 707-570-3762

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).

See Addendum 10's discussion of California Regional Water Quality Control Board North Coast Region Order No. 2015-0023, Waiver of Waste Discharge Requirements and General Water Quality Certification for Discharges of Waste Resulting from Cannabis Cultivation and associated Activities or Operations with Similar Environmental Effects in the North Coast Region.

Continued on additional page(s)

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)

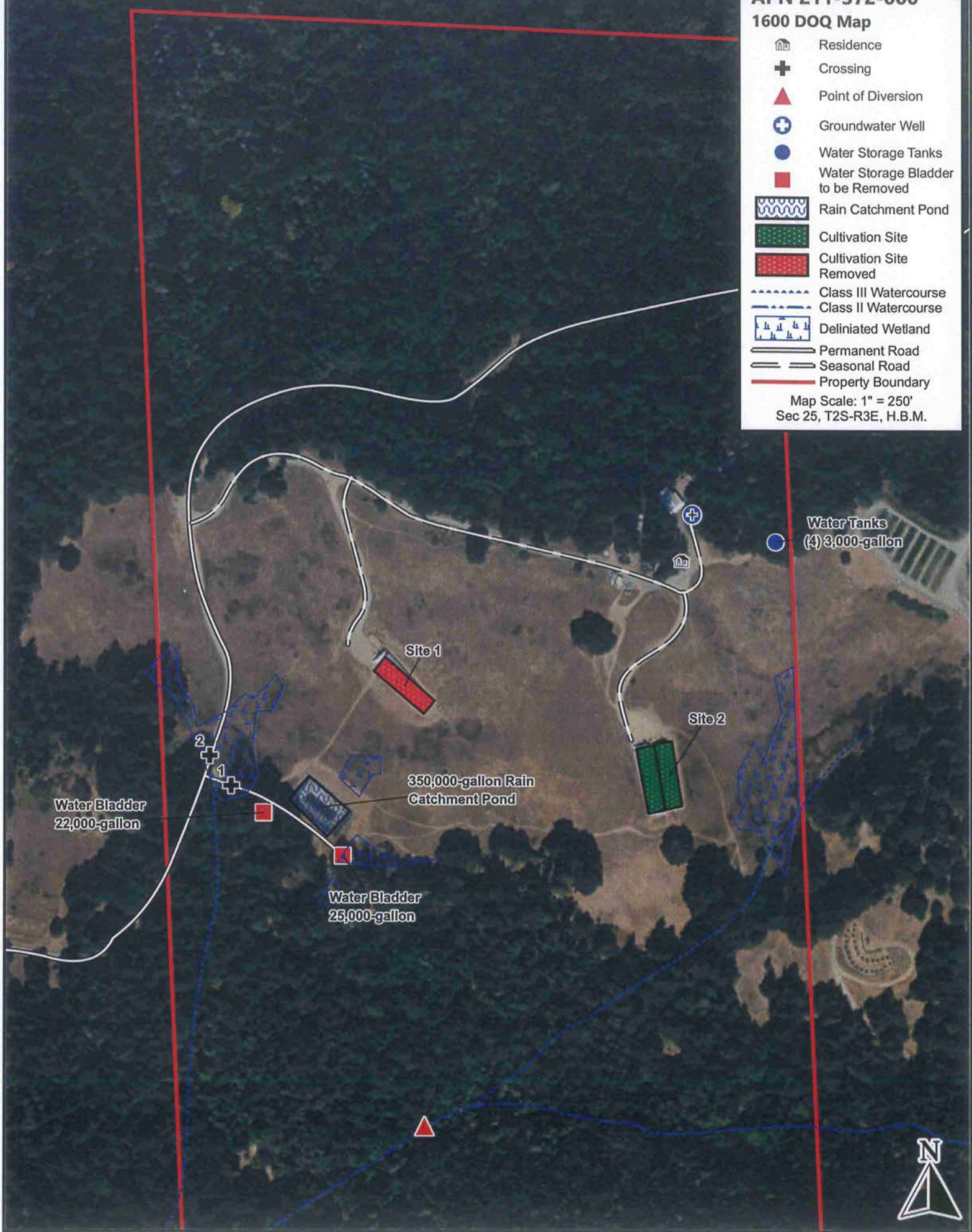
Note: If a CEQA filing fee is required, the Lake or Streambed Alteration Agreement may not be finalized until paid.

APN 211-372-006

1600 DOQ Map



-  Residence
-  Crossing
-  Point of Diversion
-  Groundwater Well
-  Water Storage Tanks
-  Water Storage Bladder to be Removed
-  Rain Catchment Pond
-  Cultivation Site
-  Cultivation Site Removed
-  Class III Watercourse
-  Class II Watercourse
-  Delineated Wetland
-  Permanent Road
-  Seasonal Road
-  Property Boundary

Map Scale: 1" = 250'
Sec 25, T2S-R3E, H.B.M.

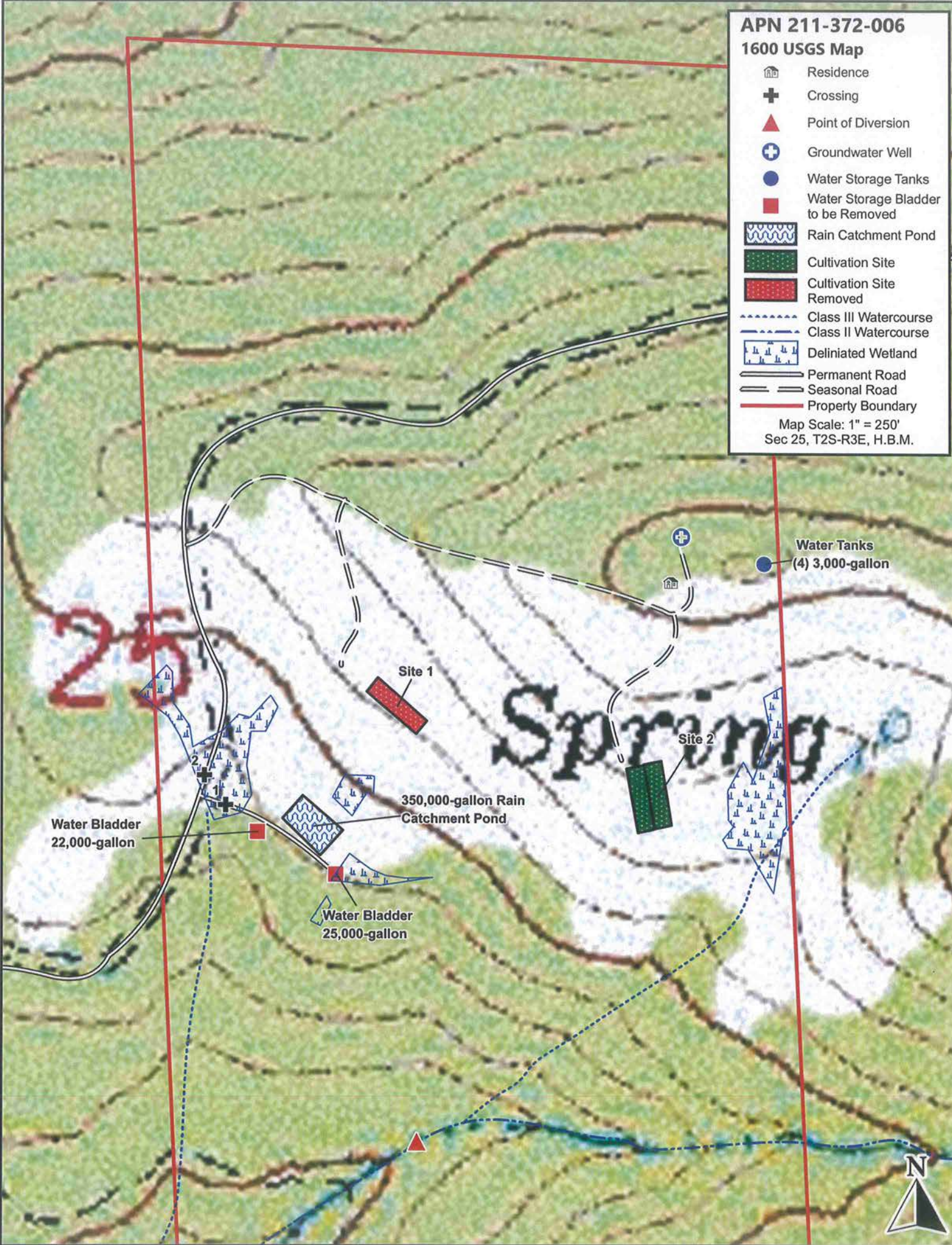


APN 211-372-006

1600 USGS Map

-  Residence
-  Crossing
-  Point of Diversion
-  Groundwater Well
-  Water Storage Tanks
-  Water Storage Bladder to be Removed
-  Rain Catchment Pond
-  Cultivation Site
-  Cultivation Site Removed
-  Class III Watercourse
-  Class II Watercourse
-  Delineated Wetland
-  Permanent Road
-  Seasonal Road
-  Property Boundary

Map Scale: 1" = 250'
Sec 25, T2S-R3E, H.B.M.



Addendum 8M – Coordinates (NAD 83 DECIMAL DEGREES)

Groundwater Well: 123.784964; 40.263619°

POD: -123.7869322°; 40.26007758°

Crossing #1: -123.7884128°; 40.26203481°

Crossing #2: -123.7885744°; 40.26220629°

Addendum 10 – Project Description

Project Description: This project is associated with County Application #12651, which has an Interim Permit issued for 8,500 ft² of outdoor cultivation. This project is located within the Elk Creek watershed a tributary to South Fork Eel River on APN 211-372-006. This notification is for two crossing upgrades at the head of a Class III watercourse within the delineated wetland and decommissioning a point of diversion in an unnamed Class II watercourse. The watercourse classifications shown on the maps and referenced below are based upon observation of channel conditions not presence and/or absence of aquatic species. Watercourses designated in this notification are based upon 14CCR 895.1 stated as the following: Watercourse means any well-defined channel with distinguishable bed and bank showing evidence of having contained flowing water indicated by deposit of rock, sand, gravel, or soil, including but not limited to, streams as defined in PRC 4528(f). Watercourse also includes manmade watercourses.

Water Storage and Use: Presently, there are 12,000-gallons of hard plastic water storage and a 350,000-gallon rain-catchment pond. The Applicant plans to use the Rain Catchment Pond water for agricultural use. As a secondary source the Applicant has had a permitted well drilled. The Well Completion Report is attached to this revised notification. The Applicant shall install a water meter and record monthly domestic and agricultural water use. On 1-21-2019 CDFW Agent Andrew Orahoske & Kalyn Bocast visited the project with Akiko Masuda from the Water Board. Andrew Orahoske stated in an email that "Two large water bladders were observed within hydrologically connected wetlands. The Applicant's consultant (S. Doyle) stated that the water bladders were used during the 2018 growing season, and filled with water sourced from the Point of Diversion on Elk Creek (below)." In a response to CDFW, TRC disagrees with Andrew assessment on one bladder and Steve Doyle did not state the bladders were used in 2018 growing season. TRC requested any evidence CDFW could provide that both of the bladders being described are within the delineated wetland and are hydrologically connected. CDFW has yet to provide any evidence or respond to date. On 3-21-2019 we visited the same bladders and locations, with the Regional Water Board and only observed one bladder within the delineated wetland. The Regional Water Board requested the bladder laid on top of the delineated wetland removed and the wetland plants reestablished. The Applicant has agreed to remove the bladders.

Rain Catchment Pond: An approximately 115-foot long by 60-foot wide by 10-foot deep rain catchment pond with an estimated capacity of 350,000-gallons. The rain catchment pond is used for the irrigation of agriculture. The pond overflow spillway is a 12-inch diameter by 104-foot long plastic culvert. On 1-21-2019 CDFW Agent Andrew Orahoske & Kalyn Bocast visited the project with Akiko Masuda from the Water Board. In an email Andrew Orahoske stated that the Pond had "... cracking and slumping in the Dam walls." and the "Outlet is a 12" diameter culvert that discharges into a hydrologically connected wetland, thence to Elk Creek downslope. Wetland delineation document produced by applicant and observations in the field reveal that the reservoir is surrounded on 4 sides by 3 parameter wetlands." On 3-21-2019 we visited the

Addendum 10 – Project Description (Cont.)

same Pond and location the Regional Water Board did not observe any slumping, cracking, hydrologic connectivity of the spillway and the Pond is not surrounded on 4 sides by a wetland. TRC disagreed with Andrew's assessment of the Pond and its overflow spillway. Per request from CDFW and the Water Board the Pond the Applicant hired SHN Engineering Geologist to assess the stability of the embankment. SHN noted they did not observe any slumping or cracking in the embankment. Attached to this notification is the SHN's Pond Evaluation Report & Omsberg and Preston's Grading, Drainage & Erosion Control Plan.

POD: The diversion structure is a 5-gallon perforated bucket with a ¾-inch diameter polyline was placed in a Class II watercourse. The Applicant only plans to use the POD to top of the Rain Catchment Pond for agricultural irrigation. The 5-gallon bucket and associated water lines have been removed. However, a notification fee and remediation fee were submitted with the original notification on 11-12-2018. The removal of the POD did not require any alteration to the bed, bank or channel. The Regional Water Board visited the project and this location on 3-21-2019. No instream work was requested. If the Applicant needs to top off the Pond the Applicant shall install a diversion structure that meets CDFW specification and requirements per the Agreement.

Crossing #1: Existing Rock Ford on a seasonal road section 30-feet long by 20-feet wide at the head of a Class III watercourse. The crossing is not functioning properly. Per request from the Regional Water Board this notification proposes the Rock Ford crossing be upgraded to a minimum 18-inch diameter culvert with a length extending past the fill prism of the road per the attached culvert installation specifications. The upgrading of this crossing requires the removal and displacement of approximately 1 to 5 cubic yards of rock and 600 ft² of overall disturbance (30-foot length by ½ to 2 feet deep by 20-feet wide). The upgrading of the crossing requires the loss native grasses, forbs, and ferns.

Crossing #2: Existing permanent dirt road passes through a section of a delineated wetland at the head of a Class III watercourse. This road has been in its current configuration at this location which is visible in 1968 imagery. The road intercepts the natural flow of the surface water through a delineated wetland at the head of a Class III watercourse. During a site visit with CDFW and then later with the Regional Water Board it was requested a culvert crossing be installed to reconnect the wetland feature back to its natural flow pattern at the head of a Class III watercourse. Per request from the Regional Water Board this notification proposes a minimum 18-inch diameter culvert with a length extending past the fill prism of the road per the attached culvert installation specifications. The upgrading of this crossing requires the removal and displacement of approximately 1 to 5 cubic yards of fill and 90 ft² of overall disturbance (30-foot length by 3-feet deep by 3-feet wide). The installation of the culvert crossing may require the loss of native grasses, forbs, and ferns.

All roads and developed sites were assessed for compliance with CDFW, which includes jurisdictional 1600 sites and potential California Fish and Game Code Section 5650 violations. The Applicant is enrolled into *California Regional Water Quality Control Board North Coast Region Order No. 2015-0023, Waiver of Waste Discharge Requirements and General Water Quality Certification for Discharges of Waste Resulting from Cannabis Cultivation and Associated Activities or Operations with Similar Environmental Effects in the North Coast Region (WDID# 1B161025CHUM)*. TRC has completed the WRPP which evaluated compliance with the Standard Conditions per Provision I.B of Order No. R1-2015-0023.

Remediation Plan

Per Item I of Attachment E, Application #12651 has an Interim Permit issued for 8,500 ft² of outdoor cultivation by Humboldt County for Commercial Cultivation, Processing, Manufacturing and Distribution of Cannabis for medical use is attached to this notification. Per Item III of Attachment E, the CDFA temporary license is TAL18-0015631 is attached to this notification. The total remediation per Item IV of Attachment E, is the overall disturbance from each notification point added together for any remediation associated with past Cannabis related activity.

Addendum 10E –Cofferdam Construction and Use Specifications

The stream crossing upgrades and POD proposed for upgrading may have surface flow present during the June 1 through October 31 work period. Consequently, this project shall require the installation of a temporary diversion structure, so clean water above the work site can be isolated from the construction zone and transported around the work area so it can be discharged to the stream channel with minimal effects on surface flow rates and water quality. In addition, "dirty" water generated within the construction area will be collected and transported off site and discharged in a safe location where it can settle out sediment or infiltrate into soils or gravel and not deliver contaminants to a watercourse. Crossings shall be drained using either gravity fed pipe diversions or pump diversions based upon stream channel and work site conditions. See Cofferdam Specifications appended to this Notification, which is taken from *Weaver, W.E., Weppner, E.M. and Hagans, D.K., 2014, Handbook for Forest, Ranch and Rural Roads: A Guide for Planning, Designing, Constructing, Reconstructing, Upgrading, Maintaining and Closing Wildland Roads, Mendocino County Resource Conservation District, Ukiah, California, 416 p.*

Addendum 10 – Pictures



Picture 1: The residence is a place of domestic water use. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



Picture 2: The Point of Diversion on a Class II watercourse. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



Picture 3: Looking upstream from the POD. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



Picture 4: Looking downstream of the POD. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



Picture 5: A 22,000-gallon water storage bladder located 50-feet southwest of the pond. The bladder is not within the delineated wetland and it will be removed because it has not been used since 2017. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



Picture 6: The only bladder within the delineated wetland. Photo date 3-21-2019.

Addendum 10 – Pictures (Cont.)



Picture 7: 350,000-gallon rain catchment pond. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



Picture 8: This is the overflow spillway outlet for the rain catchment pond. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



Picture 9: This is looking upstream at the delineated wetland at the head of a Class III watercourse from Crossing #1. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



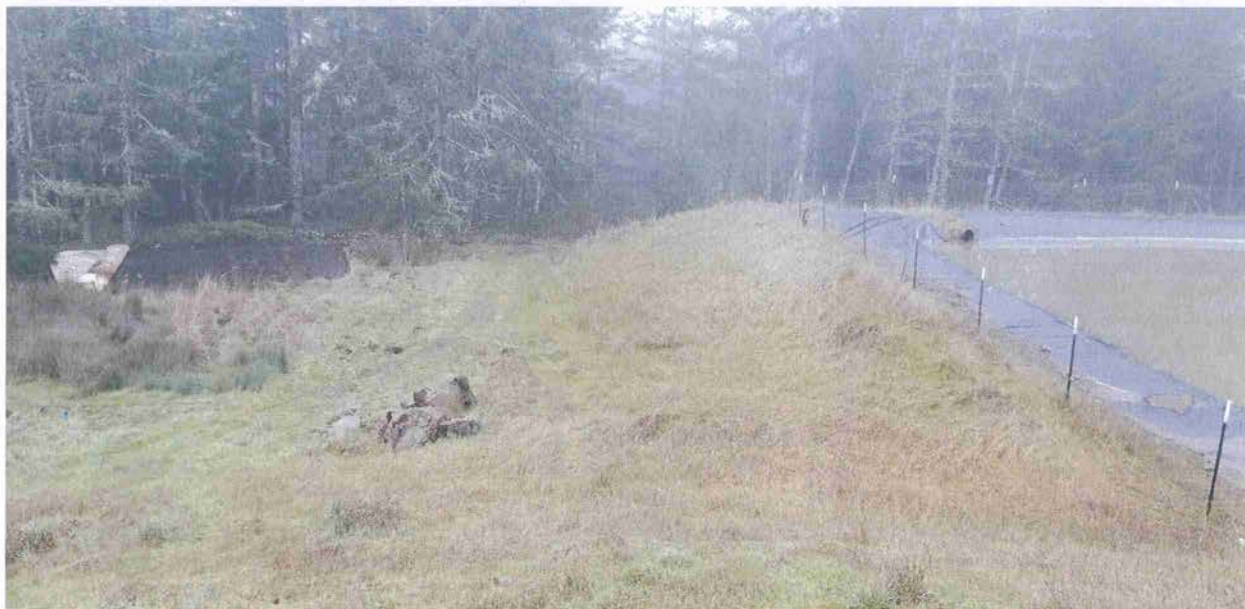
Picture 10: This is looking downstream from Crossing #1 delineated wetland at the head of a Class III watercourse. Photo date 7-06-2017.

Addendum 10 – Pictures (Cont.)



Picture 11 & 12: Existing Rock Ford at Crossing #1 at the head of a Class III watercourse. Photos date 8-13-2018.

Addendum 10 – Pictures (Cont.)



Picture 13 & 14: The embankment of the Rain Catchment Pond. On 3-21-2019 Regional Water Quality Control Board visited this project. We walked the entire perimeter of the Pond. No slumping or cracking was visible. Photos date 3-21-2019.

Addendum 10 – Pictures (Cont.)



Picture 15: The Pond overflow spillway not flowing into the delineated wetland. The Pond did not connect hydrologically on 1-21-2019 nor was it connected on 3-21-2019. Photo date 3-21-2019.

Addendum 10 – Pictures (Cont.)



Picture 16: Crossing #2 from the southern approach. Photo date 1-21-2019.

Addendum 10 – Pictures (Cont.)

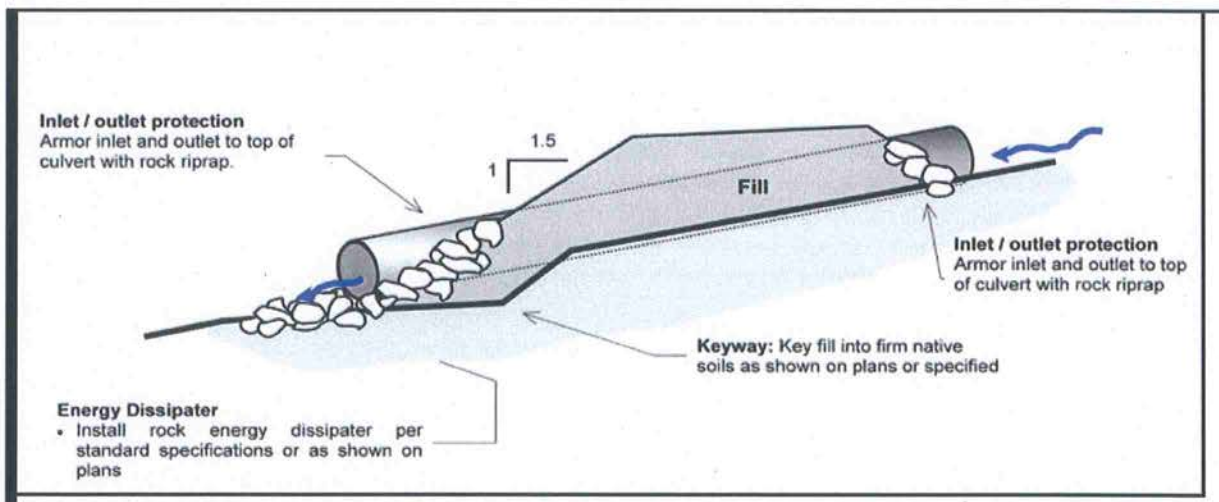
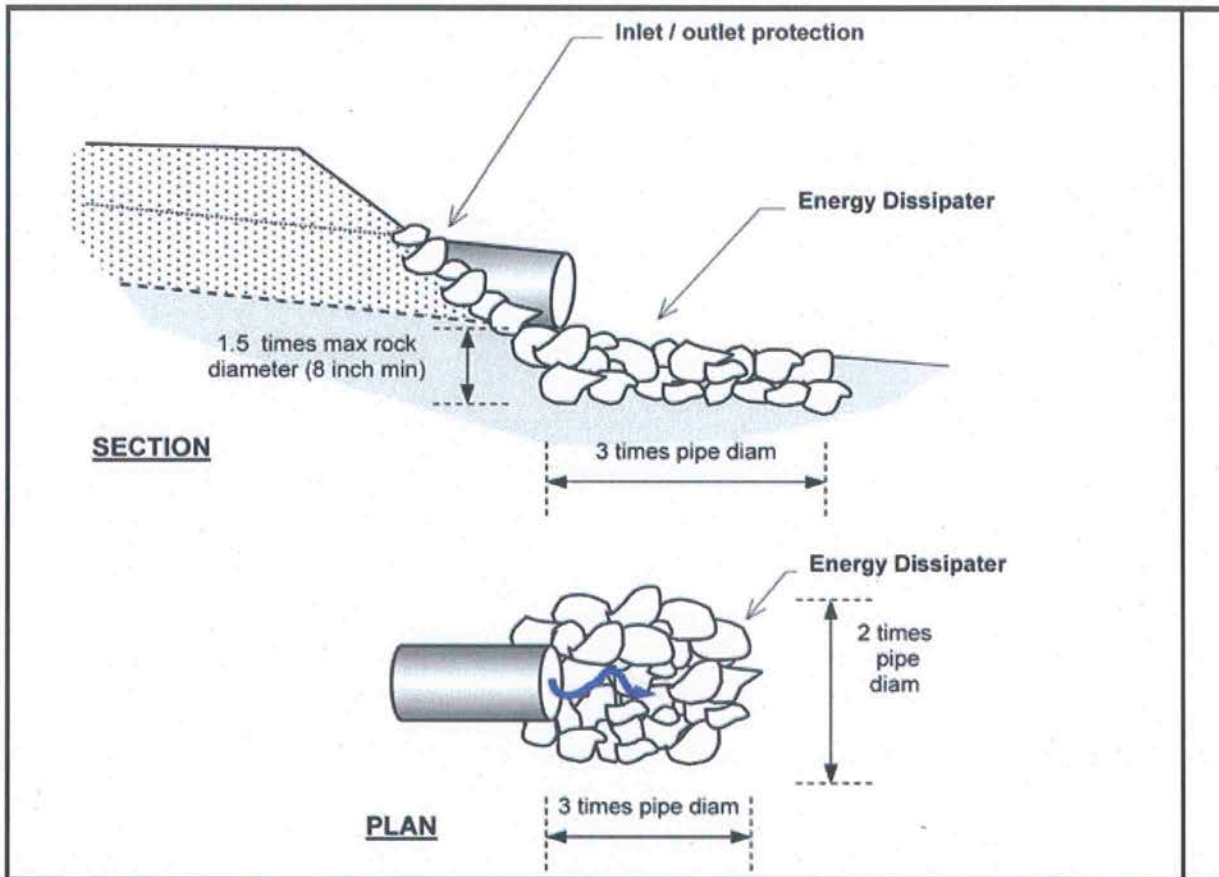


Picture 17 & 18: Crossing #2 looking upstream (top) & downstream (bottom) from Crossing #2. Photos date 1-21-2019.

Addendum 12A – Erosion Control Measures

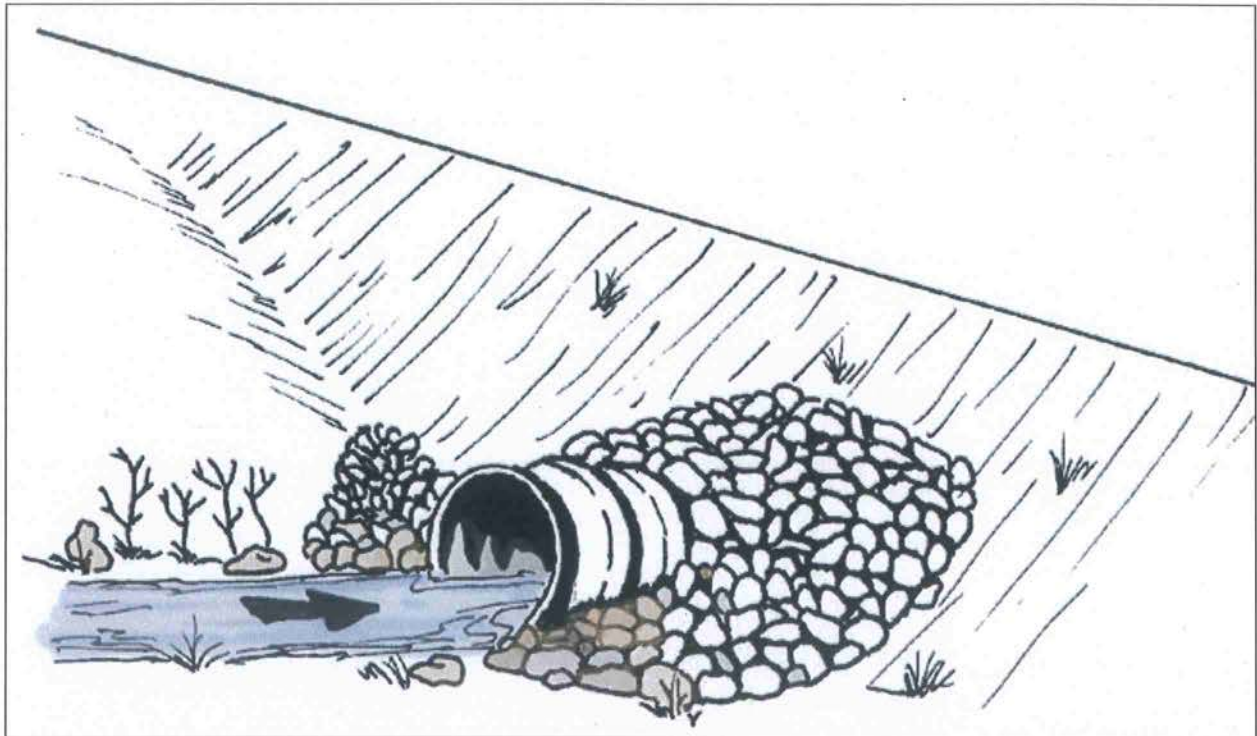
1. Timing for soil stabilization measures within the 100 feet of a watercourse or lake: For areas disturbed from May 1 through October 15, treatment shall be completed prior to the start of any rain that causes overland flow across or along the disturbed surface. For areas disturbed from October 16 through April 30, treatment shall be completed prior to any day for which a chance of rain of 30 percent or greater is forecast by the National Weather Service or within 10 days, whichever is earlier.
2. Within 100 feet of a watercourse or lake, the traveled surface of logging roads shall be treated to prevent waterborne transport of sediment and concentration of runoff that results from operations. Treatment may consist of, but not limited to, rocking, outsloping, rolling dips, cross drains, waterbars, slope stabilization measures, or other practices appropriate to site-specific conditions.
3. The treatment for other disturbed areas within 100 feet of a watercourse or lake, including: (A) areas exceeding 100 contiguous square feet where operations have exposed bare soil, (B) road cut banks and fills, and (C) any other area of disturbed soil that threatens to discharge sediment into waters in amounts deleterious to the quality and beneficial uses of water, shall be grass seeded and mulched with straw. Grass seed shall be applied at a rate exceeding 100 pounds per acre. Straw mulch shall be applied in amounts sufficient to provide at least 2- 4-inch depth of straw with minimum 90% coverage. Slash may be substituted for straw mulch provided the depth, texture, and ground contact are equivalent to at least 2 – 4 inches of straw mulch. Any treated area that has been subject to reuse or has less than 90% surface cover shall be treated again prior to the end of operations.
4. Within 100 feet of a watercourse or lake, where the undisturbed natural ground cover cannot effectively protect beneficial uses of water from sediment introduction, the ground shall be treated with slope stabilization measures described in #3 above per timing described in #1 above.
5. Sidecast or fill material extending more than 20 feet in slope distance from the outside edge of a roadbed, which has access to a watercourse or lake, shall be treated with slope stabilization measures described in #3 above. Timing shall occur per #1 above unless outside 100 feet of a watercourse or lake, in which completion date is October 15.
6. All roads shall have drainage and/or drainage collection and storage facilities installed as soon as practical following operations and prior to either (1) the start of any rain which causes overland flow across or along the disturbed surface within 100 feet of a watercourse or lake protection, or (2) any day with a National Weather Service forecast of a chance of rain of 30 percent or more, a flash flood warning, or a flash flood watch.

Culvert Installation Specifications

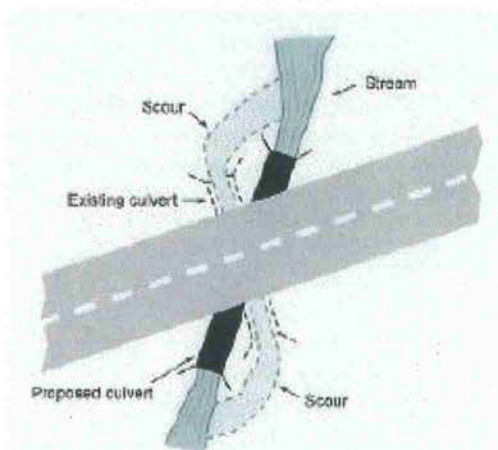


Riprap installed to protect the inlet and outlet of a stream crossing culvert from erosion or for energy dissipation should be keyed into the natural channel bed and banks to an approximate depth of about 1.5x the maximum rock thickness. Riprap should be placed at least up to the top of the culvert at both the inlet and outlet to protect them from splash erosion and to trap any sediment eroded from the newly constructed fill slope above.

Culvert Installation Specifications



Rock armor used for inlet and outlet protection (i.e., not as energy dissipation) does not have to be sized to protect against high velocity scour. If the culvert is properly sized and its length is adequate, it should be able to transmit flood flows without scouring the inlet or eroding the outlet around the culvert. Armor shown here is designed to protect the culvert outlet and basal fill from splash erosion and from occasional submergence and currents within standing water (at the inlet) when the culvert plugs. Importantly, inlet and outlet armor also serves to trap sediment that has been eroded or slides down the new constructed fill face in its first several years, until the slope becomes well vegetated.



HANDBOOK FOR FOREST, RANCH AND RURAL ROADS

FIGURE 97. Culvert alignment should be in relation to the stream and not the road. It is important that the stream enters and leaves the culvert in a relatively straight horizontal alignment so streamflow does not have to turn to enter the inlet or discharge into a bank as it exits. This figure shows a redesigned culvert installation that replaces the bending alignment that previously existed. Channel turns at the inlet increase plugging potential because wood going through the turn will not align with the inlet. Similarly, channel turns at the inlet and outlet are often accompanied by scour against the channel banks (Wisconsin Transportation Information Center, 2004).

Culvert Installation Specifications

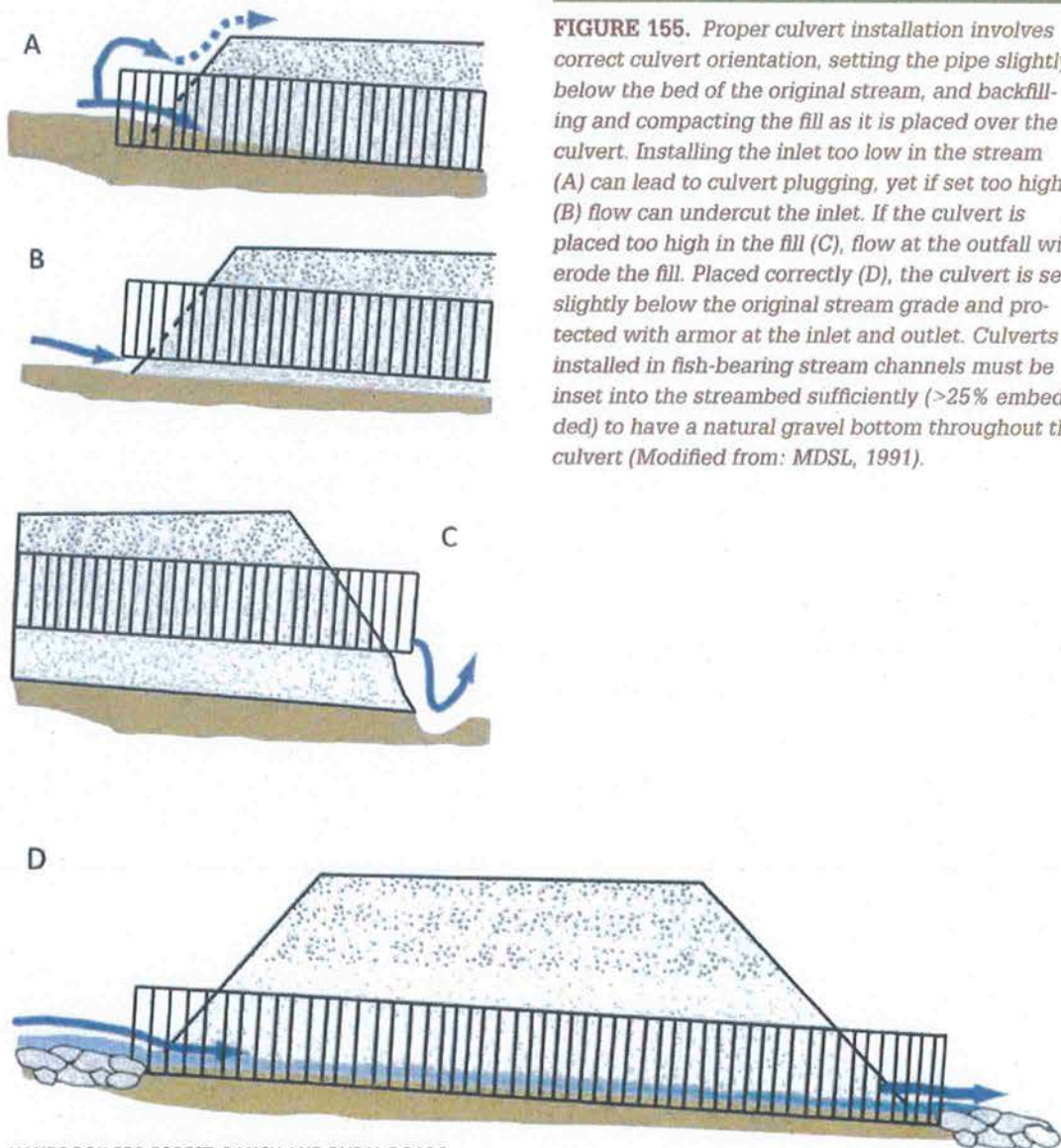
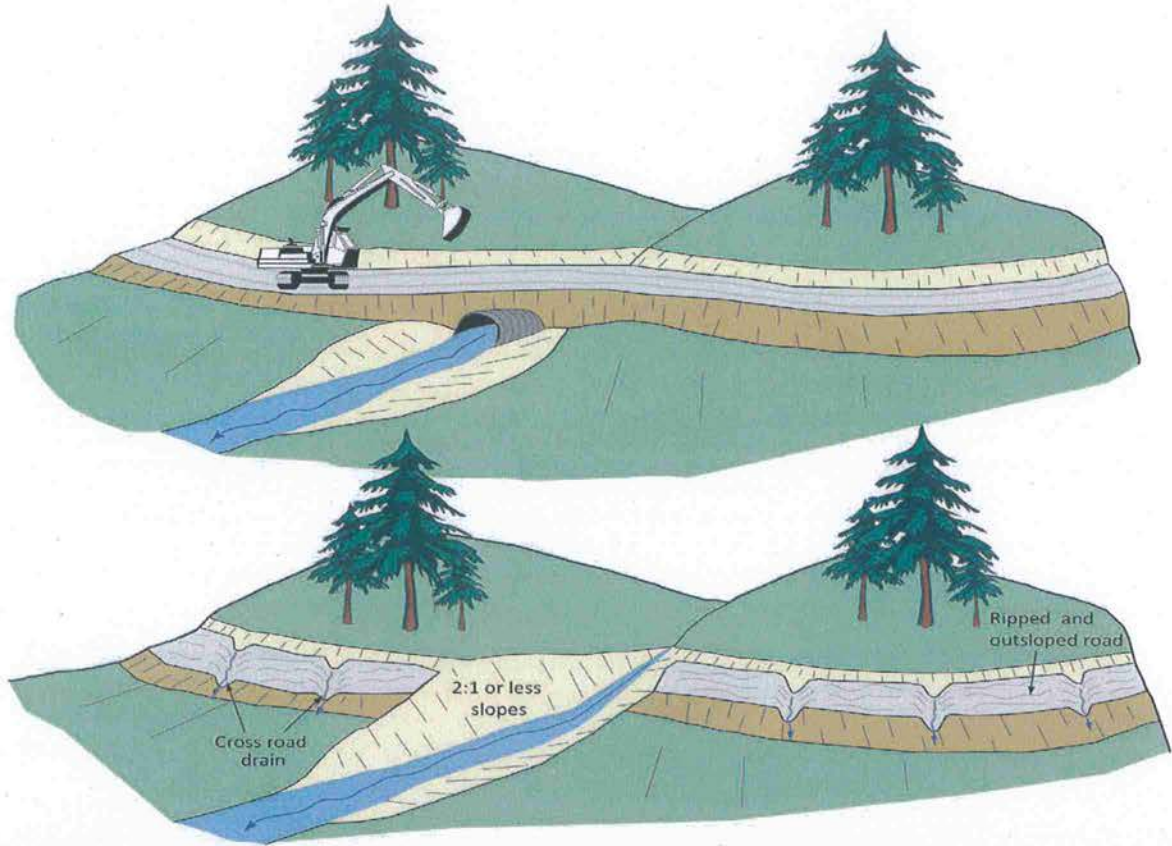


FIGURE 155. Proper culvert installation involves correct culvert orientation, setting the pipe slightly below the bed of the original stream, and backfilling and compacting the fill as it is placed over the culvert. Installing the inlet too low in the stream (A) can lead to culvert plugging, yet if set too high (B) flow can undercut the inlet. If the culvert is placed too high in the fill (C), flow at the outfall will erode the fill. Placed correctly (D), the culvert is set slightly below the original stream grade and protected with armor at the inlet and outlet. Culverts installed in fish-bearing stream channels must be inset into the streambed sufficiently (>25% embedded) to have a natural gravel bottom throughout the culvert (Modified from: MDSL, 1991).

Permanent Crossing Decommissioning Specifications



Permanent Crossing Decommissioning Specifications (Cont.)



On roads that are to be closed (decommissioned), all stream crossing culverts and fills should be removed. Stream crossing excavations are best performed using an excavator. The original channel should be excavated and exhumed down to the former streambed, with a channel width equal or greater than the natural channel above and below the crossing. Sideslopes should be laid back to a stable angle, typically a 2:1 (50%) gradient, or less. Spoils can be hauled off-site or stored on the road bench adjacent the crossing, provided it is placed and stabilized where it will not erode or fail and deliver to a watercourse.

Permanent Crossing Decommissioning Specifications (Cont.)

- Excavating and removing all fill materials placed in the stream channel when the crossing was originally built.
- Fill material should be excavated to recreate the original channel grade (slope) and orientation.
- The excavated channel bed should be as wide, or slightly wider than, the original watercourse channel.
 - This can be better determined by observing the channel width of the watercourse up slope of crossing to be removed at a point in which the crossing or any other disturbance has not affected the natural channel slope and width.
- If the channel sideslopes were disturbed, they should be graded (excavated) back to a stable angle (generally less than 50% (2:1)) to prevent slumping and soil movement.
- The bare soils should then be mulched, seeded, and planted to minimize erosion until vegetation can protect the surface.

The approaching, hydrologically connected road segments should be cross-road drained to prevent road runoff from discharging across the freshly excavated channel sideslopes.

BMP: Rolling Dip

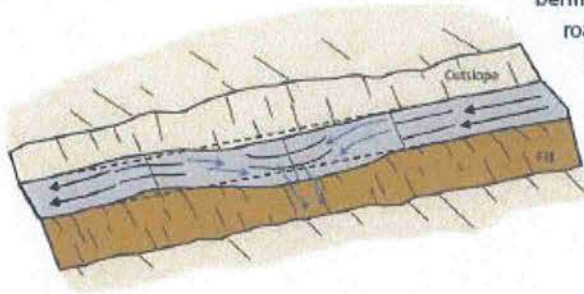
- Rolling dips are drainage structures designed to capture and discharge surface water collected on road surfaces and in inside ditches at a specific location.
- The road shall dip into and out of the rolling dip to eliminate the possibility of water flowing along the road surface or in an inside ditch to bypass the dip structure.
- The rolling dip shall be constructed with clean native materials.
- The rolling dips outlet may be armored to resist downcutting and erosion.
- Do not discharge rolling dips into swales that show signs of instability or into active landslides.
- If the rolling dip is designed to divert both road surface and ditch runoff, block the down-road ditch with compacted fill.

BMP: Rocked Rolling Dip

- Rocked Rolling dips are drainage structures designed to capture and discharge surface water collected on road surfaces and in inside ditches at a specific location.
- The road shall dip into and out of the rolling dip to eliminate the possibility of water flowing along the road surface or in an inside ditch to bypass the dip structure.
- The rocked rolling dips inlet and outlet shall be armored to resist downcutting and erosion.
- The entire length of the rocked rolling dip shall be rock armored to a minimum of 5-feet from the centerline of the dip.
- If a keyway is necessary, the rocked rolling dip keyway shall be constructed at the base of the dip and shall be of sufficient size, depth, and length to support materials used in the rocked rolling dip construction back up to the road crossing interface.
- Do not discharge rolling dips into swales that show signs of instability or into active landslides.
- If the rolling dip is designed to divert both road surface and ditch runoff, block the down-road ditch with compacted fill.
- The rolling dip must be drivable and not significantly inhibit traffic and road use.

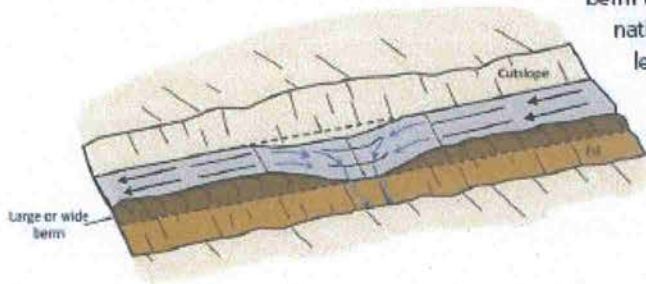
BMP: Rolling Dip and Rocked Rolling Dip (Cont.)

Type 1 Rolling Dip
(Standard)



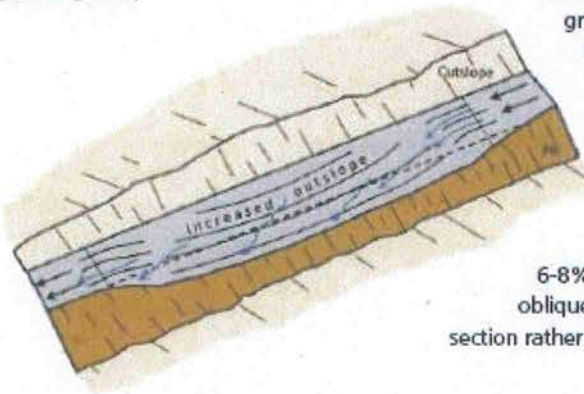
Type 1 rolling dips are used where road grades are less than about 12-14% and road runoff is not confined by a large through cut or berm. The axis of the dip should be perpendicular to the road alignment and sloped at 3-4% across the road tread. Steep roads will have longer and more abrupt dip dimensions to develop reverse grade through the dip axis. The road tread and/or the dip outlet can be rocked to protect against erosion, if needed.

Type 2 Rolling Dip
(Through-cut or thick berm road reaches)



Type 2 rolling dips are constructed on roads up to 12-14% grade where there is a through cut up to 3 feet tall, or a wide or tall berm that otherwise blocks road drainage. The berm or native through cut material should be removed for the length of the dip, or at least through the axis of the dip, to the extent needed to provide for uninterrupted drainage onto the adjacent slope. The berm and slope material can be excavated and endhauled, or the material can be sidecast onto native slopes up to 45%, provided it will not enter a stream.

Type 3 Rolling Dip
(Steep road grade)

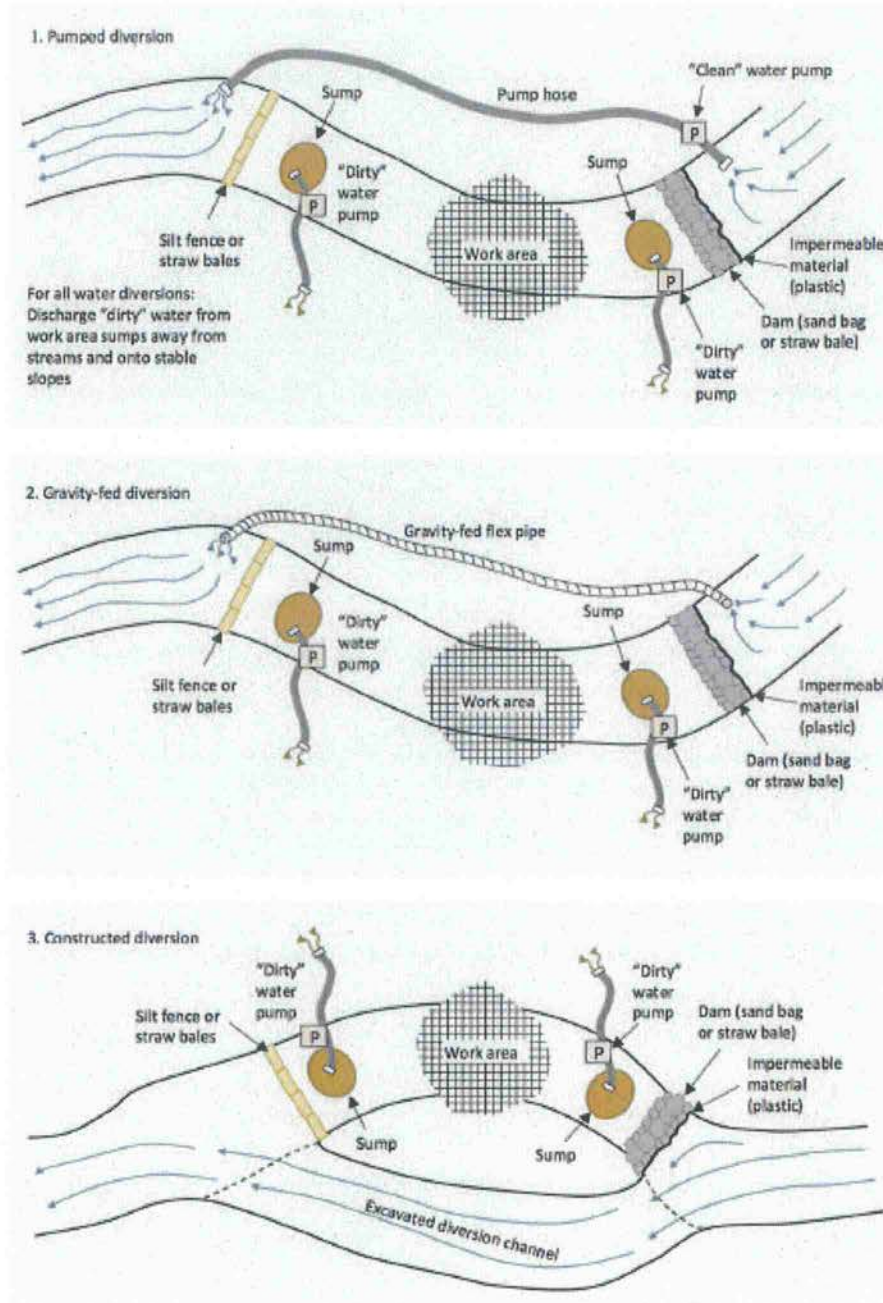


Type 3 rolling dips are utilized where road grades are steeper than about 12% and it is not feasible to develop a reverse grade that will also allow passage of the design vehicle (steep road grades require more abrupt grade reversals that some vehicles may not be able to traverse without bottoming out).

Instead of relying on the dip's grade reversal to turn runoff off the roadbed, the road is built with an exaggerated outslope of 6-8% across the dip axis. Road runoff is deflected obliquely across the dip axis and is shed off the outsloped section rather than continuing down the steep road grade.

FIGURE 36. Rolling dip types

Addendum 10E – Cofferdam Construction and Use Specifications



Cofferdam Construction and Use Specifications (Conti.)



FIGURE 197. Flex pipe stream diversion around a road construction site. The inlet to this 6 inch diameter flex pipe inlet collects clear streamflow from a retention dam above the project site and gravity feeds it around the project area and back into the natural channel downstream from construction work (see photo).



FIGURE 198. Sand bag retention dam on this small stream was used to pond streamflow so it could be pumped around a culvert installation site. The green intake hose is screened to keep out rocks and debris while the red pump hose extends several hundred feet around the project work area.



FIGURE 199. For larger streams, pump trucks, large pumps or multiple small pumps can be used to pump streamflow around project work sites. Here, a pump truck is used to temporarily divert flow in a fish bearing stream where dual culverts are being replaced with a railcar bridge. Young fish were removed from this fish bearing stream before project work started.

Attachments



Applicant Name: Dejan Petrushevski

Project Name: APN 211-372-006

ATTACHMENT E

Cannabis Cultivation

Complete this attachment if the project includes cannabis cultivation and you are seeking a standard Lake or Streambed Alteration Agreement or if activities include remediation of a marijuana (cannabis) cultivation site.

“Cultivation” means any activity involving the planting, growing, harvesting, drying, curing, grading, or trimming of cannabis (Business and Professions Code, section 26000 et seq.). *Please note that if you are seeking authorization under the General Agreement for Cannabis Cultivation you must notify online at the California Department of Fish and Wildlife (CDFW) website: <https://www.wildlife.ca.gov/Conservation/LSA>.*

Complete Sections I through V and VII for all Agreement types.

Complete Section VI if any aspect of the project includes remediation. “Remediation” means to perform work that reduces or eliminates the direct and indirect adverse impacts on fish and wildlife resources associated with past or existing cannabis activities subject to Fish and Game Code 1602.

Submit Attachment E with the Notification form (DFW 2023) and applicable fees.

I. LOCAL ORDINANCE OR PERMIT – Complete this section for all Agreement types.

Does the town, city, or county where cultivation will occur have a rule, ordinance, or other regulation or law that governs the cultivation of cannabis?		
<input type="checkbox"/> Yes: Town/City	<input checked="" type="checkbox"/> Yes: County	<input type="checkbox"/> No
Are you required to have written authorization (permit) from the city/town and/or county to cultivate cannabis within the city/town and/or county?		
<input checked="" type="checkbox"/> Yes. <i>Enclose written authorization and/or completed application(s).</i>	<input type="checkbox"/> No	

II. PROPERTY DIAGRAM – Complete this section for all Agreement types.

Enclose the cultivation Property Diagram that has been, or will be, submitted to the California Department of Food and Agriculture (CDFA) (California Code of Regulations, title 3, section 8105). For Property Diagram requirements, refer to http://calcannabis.cdfa.ca.gov/ , or CDFA’s Reference Guide for the Cultivation Plan .	
Cultivation Property Diagram enclosed?	
<input type="checkbox"/> Yes <i>Enclose the property diagram required by CDFA (Cal. Code Regs., tit. 3, § 8105).</i>	<input checked="" type="checkbox"/> No <i>If “no” is checked, enclose a brief description explaining why the property diagram is not enclosed.</i>



III. CULTIVATION OPERATION – Complete this section for all Agreement types.

Provide information regarding any license CDFA has issued to the Entity, or that the Entity has applied or will apply for.

Type of Operation:

- Proposed new cannabis cultivation operation
- Existing cannabis cultivation operation

Type of CDFA License you have or will apply for :

Specialty Cottage:

- Specialty Cottage Outdoor
- Specialty Cottage Indoor
- Specialty Cottage Mixed-Light Tier 1
- Specialty Cottage Mixed-Light Tier 2

Specialty:

- Specialty Outdoor
- Specialty Indoor
- Specialty Mixed-Light Tier 1
- Specialty Mixed-Light Tier 2

Small:

- Small Outdoor
- Small Indoor
- Small Mixed-Light Tier 1
- Small Mixed-Light Tier 2

Medium:

- Medium Outdoor
- Medium Indoor
- Medium Mixed-Light Tier 1
- Medium Mixed-Light Tier 2

Nursery

Processor

CDFA Annual or Provisional License # (if applicable): _____

CDFA Temporary License # (if applicable): TAL18-0015631



IV. WATER SUPPLY – Complete this section for all Agreement types. Add additional pages as necessary.

How will or how is water supplied to the cannabis cultivation site(s)?

- For geographic coordinates, provide the latitude and longitude coordinates for the water supply (if applicable). CDFW utilizes decimal degrees and WGS 84 datum. Access [Google Maps Help](#) if you need assistance in finding your coordinates.

Diversion, Obstruction, Extraction, or Impoundment of a River, Stream, or Lake

Yes No

If yes is checked, you **must** also complete Attachment C.

Provide geographic coordinates for **each** diversion, obstruction, extraction, or impoundment:

Latitude: ##.#####	Longitude: -###.#####
--------------------	-----------------------

Spring(s)

Yes No

If yes is checked, you **must** also complete Attachment C.

Number of Springs _____

Provide geographic coordinates for **each** spring:

Latitude: ##.#####	Longitude: -###.#####
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Private Well(s)

Yes No

Provide geographic coordinates for **each** well:

Latitude: ##.#####	Longitude: -###.#####
--------------------	-----------------------

If a private well is being utilized, provide a copy of the well log/well completion report filed with the Department of Water Resources (DWR) pursuant to Section 13751 of Water Code. If no well log is available, provide evidence from DWR indicating that DWR does not have a record of the well log. See DWR's Groundwater Management page for more information at: <https://water.ca.gov/Programs/Groundwater-Management/Wells>

Public Water System

Yes No

Name of public water system: _____

If Yes, provide the most recent copy of water service bill or will-serve letter from the water service provider.

Water Hauling

Yes No

Name of water hauler: _____

Other Source

Specify: Rain Catchment Pond or Permitted Groundwater Well



V. CALIFORNIA LICENSED PROFESSIONAL OR QUALIFIED ENVIRONMENTAL CONSULTANT/BIOLOGIST –
 Complete this section for all Agreement types.

Have you consulted with or retained a California licensed professional or qualified environmental consultant/biologist to address your cannabis cultivation?		
<input checked="" type="checkbox"/> Yes (<i>Provide the information below</i>) <input type="checkbox"/> No		
Name of Company	Name of Professional or Consultant/Biologist	Business Telephone
Timberland Resource Consultants	Chris Carroll	707-725-1897

VI. REMEDIATION – Complete this section if *any* aspect of the project includes remediation.

Remediation reduces or eliminates direct and indirect adverse effects on fish and wildlife resources associated with a past or existing project or activity that supports or relates to cannabis cultivation, whether on or off a cultivation site. Remediation projects typically include modification, repair, removal, restoration, construction, or reconstruction activities. Examples of remediation projects include, but are not limited to: <ul style="list-style-type: none"> • Repairing a stream crossing used to access a cultivation site; • Removing a staging area on a stream bank; and • Repairing a water diversion structure used to irrigate a cultivation site. 	
A. Order or Notice. Are you required to perform remediation work described in this notification pursuant to a court or administrative agency notice or order?	
<input type="checkbox"/> Yes (<i>Enclose a copy of the order or notice</i>) <input checked="" type="checkbox"/> No	
Did you receive a notice of violation (NOV) from CDFW that relates to the remediation work described in this notification?	
<input type="checkbox"/> Yes (<i>Enclose a copy of the NOV</i>) <input checked="" type="checkbox"/> No	
B. Remediation Area. What is the amount of area requiring remediation?	
Remediation area in total:	<u>690</u> square feet
C. Remediation Plan. Has a plan to remediate the area been prepared?	
<input checked="" type="checkbox"/> Yes (<i>Enclose the plan</i>) <input type="checkbox"/> No	
<p>Note: If "yes" is checked, submit the remediation plan with the Notification. If "no" is checked, your Notification may be incomplete and CDFW may request you have a California licensed professional or qualified environmental consultant/biologist amend the plan or submit a new plan for your Notification.</p>	



VII. REMEDIATION FEES – Entity must pay the fee(s) at time of Notification.

The current fee schedule is available at <https://www.wildlife.ca.gov/Conservation/LSA> and specified in Section 699.5, subdivision (b) of the California Code of Regulations, title 14.

Remediation fees, if applicable, are specified in Section 699.5, subdivision (i) of the California Code of Regulations, title 14. The remediation fee is in addition to the notification fee and must be submitted by **separate** check or other method of payment.

You may pay by credit card at CDFW's Online License Sales and Services page at: <https://www.wildlife.ca.gov/Licensing>. Attach copy of sales receipt to the notification. A handling charge will be applied (Fish and G. Code, § 1055.1, subd. (d)) to the credit card transaction.

Remediation Fee Included (if applicable)?

\$ 3,187.75 if the total remediation area identified in Section VI (B) above is less than or equal to 1,000 square feet

\$5,313.00 if the total remediation area identified in Section VI (B) above is greater than 1,000 square feet



HUMBOLDT COUNTY
PLANNING AND BUILDING DEPARTMENT
3015 H STREET, EUREKA, CA 95501 - PHONE (707) 445-7245

Mayers Flat Farm Inc
Dejan Petrushevski
PO Box 2107
Redway, CA 95560

11/26/2018

SUBJECT: Interim Permit for Existing Cannabis Cultivation

You are receiving this memo because your application for an existing commercial cannabis cultivation site meets the criteria for issuance of a Zoning Clearance Certificate for an Interim Permit. Your application for existing cultivation was deemed complete and a review of the information shows that your cultivation site has not expanded.

Consistent with the County Commercial Medical Marijuana Land Use Ordinance, the county has completed an assessment of the existing cultivation area and this area is identified in the Zoning Clearance Certificate. It is important that you do not expand beyond the existing cultivation area identified. The Zoning Clearance Certificate for the Interim Permit allows you to continue cultivation operations and apply for a State license while the planning application is processed to decision. Enclosed is a copy of the Zoning Clearance Certificate and Compliance Agreement for your action.

YOUR ACTION IS REQUIRED

In order to validate the Interim Permit, you must sign the attached Compliance Agreement, AND provide an original copy of the Interim Permit, Signed Compliance Agreement and Notary page to the Planning and Building Department. For an LLC, the applicant should bring in evidence of Articles of Organization to verify the owners. For a Corporation, two signatures, a Notary page for each person signing, and evidence on corporate positions is required. Unless otherwise specified in corporate bylaws the two signatures must come from the following positions: 1) Chairperson, President, or Vice President; and 2) Secretary, Chief Financial Officer, or Treasurer. The INTERIM PERMIT IS NOT VALID UNTIL AN ORIGINAL OF EACH HAS BEEN RECEIVED AND STAMPED BY THE PLANNING AND BUILDING DEPARTMENT.

Sincerely,

John H. Ford
Director of Planning and Building

Encl: Interim Permit with Exhibit A Compliance Agreement, including signature page
(NOTARY DOCUMENTATION CONFIRMING SIGNATURES IS REQUIRED)



HUMBOLDT COUNTY
PLANNING AND BUILDING DEPARTMENT
3015 H STREET, EUREKA, CA 95501 ~ PHONE (707) 445-7245

ZONING CLEARANCE CERTIFICATE FOR INTERIM PERMIT

Project: Pursuant to the Humboldt County Commercial Medical Marijuana Land Use Ordinance (CMMLUO), Section 314-55.4.1 et seq., specifically Section 314-55.4.8.11, a Zoning Clearance Certificate for an Interim Permit may be issued for an Existing Cannabis Cultivation and ancillary activities. An application has been submitted for the location and cultivation area shown below.

Project Location:

The project is located in Humboldt County, in the Miranda area, on the west side of Dyerville Loop road, approximately 0.26 miles north from the intersection of Eel Rock Road and Dyerville Loop Road, then south on a private road for approximately 1.15 miles, on the property known to be in the southwest quarter of the northeast quarter and the northwest quarter of the southeast quarter of Section 75, Township 02 South, Range 03 East.

8,500 square feet of existing outdoor cultivation.

Present General Plan Designation: T Present Zoning: AE;TPZ

Application Number: 12651

Key Parcel Number: 211-372-006-000

APPLICANT
Mayers Flat Farm Inc Dejan Petrushevski PO Box 2107 Redway CA 95560

OWNER
Mayers Flat Farm Inc Po Box 2114 Redway CA 95560

AGENT
Green Road Consulting, Inc. Kaylie Saxon 1650 Central Ave. Suite C McKinleyville CA 95519

Pursuant to Humboldt County Code Section 314-55.4.8.11 a Zoning Clearance Certificate shall be approved for an Interim Permit when it is demonstrated that:

1. A permit application for existing commercial cannabis cultivation and ancillary activities was submitted and determined to be complete.
2. Adequate evidence has been submitted demonstrating that a cultivation site existed on the parcel prior to January 1, 2016 and the Department independently reviewed the evidence of prior cultivation and determined the size of pre-existing cultivation area based upon aerial and satellite imagery, or other substantial evidence.
3. Approval of the Interim Permit is conditional and shall occur through issuance of the Zoning Clearance Certificate subject to a Compliance Agreement. The Compliance Agreement specifies restrictions, penalties, and commitments to complete the permit process and confines continued operations to the existing areas only.
4. Violation of the Compliance Agreement shall be grounds for permit cancellation and disqualification of the property from future permitting.
5. The interim permit authorizes the permittee to seek state licensure and continue operations until completion of the local permit review process and issuance or denial of a County permit, or December 31, 2018, whichever occurs first. The Director may extend this deadline for cause. Refusal of the Director to issue or extend an interim permit shall not entitle the applicant to a hearing or appeal of the decision. Additionally, approval of any interim permit does not obligate the County to approve a non-interim permit or extension of the interim permit. Permit cancellation and disqualification of the property from future permitting shall be decided by the Zoning Administrator or the Planning Commission at a noticed public hearing. Those decisions may be appealed to the Board of Supervisors pursuant to the appeal procedures outlined under Section 312-13 of these regulations.

Determination

It is the Determination of the Planning Director that all provisions of the ordinance allowing issuance of an Interim Permit have been satisfied and a Zoning Clearance Certificate is approved subject to the requirements contained in the attached Compliance Agreement (Exhibit A.)

Issued By:



John H. Ford
Director, Planning and Building Department

COMPLIANCE WITH APPLICABLE STATE AND LOCAL SUBDIVISION LAWS, REGULATIONS, AND REQUIREMENTS HAS NOT BEEN REVIEWED AS PART OF THIS CERTIFICATE. ISSUANCE OF THIS ZONING CLEARANCE CERTIFICATE FOR AN INTERIM PERMIT DOES NOT CONSTITUTE CONFIRMATION OF LEGAL PARCEL STATUS.

THIS INTERIM PERMIT IS ONLY VALID IF IT IS ACCOMPANIED BY A SIGNED AND NOTARIZED EXHIBIT A COMPLIANCE AGREEMENT THAT IS CONFIRMED TO BE ON FILE AT THE COUNTY OF HUMBOLDT PLANNING AND BUILDING DEPARTMENT.

EXHIBIT A

CANNABIS COMPLIANCE AGREEMENT FOR A ZONING CLEARANCE CERTIFICATE FOR INTERIM PERMIT

This Agreement is entered into by and between the County of Humboldt, through its Planning and Building Department, ("County"), and the "Applicant" and "Owner" listed in the Zoning Clearance Certificate for Interim Permit, regarding property represented by the parcel number(s) listed in the Zoning Clearance Certificate for Interim Permit.

RECITALS

WHEREAS, on November 14, 2017, the Board of Supervisors of Humboldt County amended Humboldt County Code ("HCC") Section 314-55.4.8 to add sub-section 314-55.4.8.11 to allow issuance of Zoning Clearance Certificates for Interim Permits to eligible applicants whose application was deemed complete for processing on or before July 14, 2017; and

WHEREAS, on February 27, 2018, the Board of Supervisors of Humboldt County amended HCC Section 314-55.4.8.11 to allow issuance of Zoning Clearance Certificates for Interim Permits to eligible applicants whose application was filed prior to January 1, 2017 and deemed complete for processing pursuant to HCC Sections 312-2.3.3 or 312-6.1.2, thereby removing the requirement that the application have been deemed complete for processing before July 14, 2017; and

WHEREAS, an eligible applicant is a person, pursuant to HCC 314-55.4.7, who submitted an application for existing commercial cannabis cultivation activities, provided adequate evidence demonstrating that a commercial cannabis cultivation site existed on the real property described in the attached Zoning Clearance Certificate For Interim Permit prior to January 1, 2016; and

WHEREAS, existing commercial cultivation activities pursuant to HCC Section 314-55.4.8.2.2 include outdoor or mixed-light commercial cannabis cultivation in existence prior to January 1, 2016 in zoning districts AE (no parcel size limitation), RA (on parcels of five acres or larger), and AG, FP, DF, FR, U, and TPZ (on parcels of one acre or larger); and

WHEREAS the Applicant and Owner filed an "Application" for a Zoning Clearance Certificate, Special Permit and/or a Use Permit pursuant HCC Sections 312-2.2 and 312-5.2.1 for existing commercial medical cannabis cultivation; and

WHEREAS, the County has reviewed the evidence provided with the Application, and has determined existing commercial cultivation activities on the real property represented by the parcel number(s) listed in the attached Zoning Clearance Certificate for Interim Permit consisting of outdoor and/or mixed light commercial cultivation, hereafter Existing Commercial Cannabis Cultivation ("ECCC"); and

WHEREAS, the County is utilizing this Compliance Agreement ("Agreement") to allow the Applicant and Owner to complete the remainder of the permit process in a timely manner and continue operation of the ECCC while applying for a license from the State of California to cultivate cannabis; and

WHEREAS, pursuant to the authority provided in HCC Section 314-55.4.8.11, County will issue the Zoning Clearance Certificate for an Interim Permit on the real property for the ECCC and, in exchange, Applicant and Owner will in good faith complete the Application on or before December 31, 2018; and

WHEREAS, the Zoning Clearance Certificate for an Interim Permit authorizes the Applicant to seek State licensure and continue operations of the ECCC until the completion of the process for the Zoning Clearance Certificate, Special Permit, or Use Permit, or denial of the certificate or permit, or December 31, 2018, whichever occurs first; and

NOW, THEREFORE, in consideration of the faithful performance of the terms, conditions, and promises set forth in this Agreement, the Parties agree as follows:

1. Subdivision Map Act and Humboldt County Subdivision Regulations. The Applicant and Owner acknowledge this Zoning Clearance Certificate for an Interim Permit is issued without a legal determination having been made as to the number, size, shape of, or legal status of the parcel(s) that may be encompassed within the real property represented by the parcel number(s) listed in the Zoning Clearance Certificate for Interim Permit. Furthermore, the Applicant and Owner hereby acknowledge issuance of this Zoning Clearance Certificate for an Interim Permit is not an approval for development and does not entitle the Applicant, Owner, or their Successors in Interest to a conditional or unconditional certificate of subdivision compliance pursuant to Government Code Sections 66499.34 or 66499.35(c), or any other law or regulation.
2. Development Suitability. The Property Owner and Applicant hereby acknowledge the issuance of this Zoning Clearance Certificate for an Interim Permit is for existing cannabis cultivation purposes only, and does not authorize or grant any approval for development or improvement of the property. The real property subject to this Zoning Clearance Certificate for an Interim Permit has not been evaluated for suitability for development in accordance with existing or future regulations.
3. Taxation. The Property Owner and Applicant hereby acknowledge upon the date of issuance of this Zoning Clearance Certificate for an Interim Permit allowing outdoor and/or mixed light of ECCC shall be subject to taxation pursuant Humboldt County Code Sections 719.1 – 719.15.
4. Track and Trace. The Applicant and Owner shall participate in the Medical Cannabis Track and Trace Program administered by the Humboldt County Agricultural Commissioner.

5. Violations. The Applicant and Owner hereby acknowledge that the Zoning Clearance Certificate for an Interim Permit does not allow or authorize expansion or relocation of the ECCC area, either in part or in its entirety. The Applicant and Owner hereby acknowledge and understand that, notwithstanding Interim Permit page 2, number 6, expansion or relocation of the ECCC area is in violation of this Agreement and shall result in the revocation of the Zoning Clearance Certificate for an Interim Permit by the Director. The Director's decision to revoke the Zoning Clearance Certificate for an Interim Permit is not subject to appeal. In addition to the revocation of this Zoning Clearance Certificate for an Interim Permit, the revocation action will include the denial or withdrawal of the Zoning Clearance Certificate, Special Permit or Conditional Use Permit application for the existing cultivation without a noticed public hearing.
6. Additional Information. The County reserves the right to request that the Applicant and Owner submit additional information as needed to find the Application in conformance with the Humboldt County Zoning Regulations and, if applicable, the terms and conditions of any previously approved development permit, variance, or subdivision [Reference HCC Sections 312-2.4.1, 312-17.1, and 312-17.3].
7. Issuance of Permit. The Parties agree that the County's issuance of the Zoning Clearance Certificate for an Interim Permit referenced herein is conditioned on and made in reliance of the representations made by Owner and Applicant in this Agreement. . The Parties acknowledge that the issuance of the Zoning Clearance Certificate for an Interim Permit does not assure or guarantee that a Zoning Clearance Certificate, Special Permit, or Use Permit will be subsequently approved or issued. The Parties acknowledge that the Zoning Clearance Certificate, Special Permit, or Use Permit may be subject to additional conditions and mitigations to comply with the HCC, specifically HCC Section 314-61.1, the Commercial Medical Marijuana Land Use Ordinance (as amended), the California Environmental Quality Act (CEQA), and any other applicable codes, laws, or regulations. The Parties acknowledge the issuance of the Zoning Clearance Certificate for Interim Permit is in no way intended to limit or restrict the application of these laws and regulations.
8. Consent to Inspection. Owner and Applicant consent to all inspections of the property as needed, at any time during business hours Monday through Friday, while this Agreement is in effect, by the Division of Environmental Health or Planning and Building Department, and any other agencies or departments that may need to inspect the property to determine that the terms of this Agreement are being fulfilled.
9. Time Limit to Complete the Application. The Parties agree that the Applicant will complete the Application at the earliest feasible date, but in no event later than December 31, 2018. The time to complete the Application may only be extended by the Director or Planning and Building for cause beyond the control of the applicant upon the written request by Owner/Applicant.

Waiver. The failure of the County to proceed against the Applicant and/or Property Owners in an enforcement action, whether administrative, civil or criminal, for any violation of the applicable ordinance, this Agreement and/or state or local law or regulation shall not constitute or be deemed a waiver of the County's right to proceed against Owner and/or Applicant for any subsequent violation. Nothing in this Agreement shall limit in any manner the authority of the County to apply and/or enforce any provisions of the County's code or state law or regulation to the Owner and Applicant and activities occurring on the property.

10. Notices. All notices required by this Agreement shall be sent, at a minimum, via first class United States Mail with postage prepared to the Parties as follows:

To County:

Director, Planning and Building Department
3015 H Street
Eureka, CA 95501

To Property Owners:

As listed in County of Humboldt property tax records.

To Applicant:

As listed on Zoning Clearance Certificate for Interim Permit.

Notices shall be deemed served upon deposit in the United States mail. The Owner and Applicant shall notify the County in writing of any changes in address.

11. Indemnification. Owner and Applicant shall hold harmless, defend and indemnify County and its agents, officers, officials, employees and volunteers from and against any and all claims, demands, losses, damages, liabilities, expenses and costs of any kind or nature, including, without limitation, attorney fees or other costs of litigation, arising out of, or in connection with, the issuance of a Zoning Clearance Certificate for an Interim Permit for the subject property, the terms of the Zoning Clearance Certificate for an Interim Permit, or the terms of this Agreement.
12. Binding on Successors. This Agreement is binding on the heirs, successors and assigns of the Parties. In the event of a permit transfer, a new compliance agreement must be executed. In the event of property transfer, the Seller and Applicant have an affirmative duty to inform the Buyer of this Compliance Agreement. Seller and Applicant must also provide written proof of Buyer notification to the County.
13. Amendment. This Agreement may be amended, modified or changed by the Parties provided that said amendment, modification or change is in writing and approved by all Parties.

14. Severability. If any provision of this Agreement, or any portion thereof, is found by any court of competent jurisdiction to be unenforceable or invalid for any reason, such provision shall be severable and shall not in any way impair the enforceability of any other provision of this Agreement.
15. Jurisdiction and Venue. This Agreement shall be construed in accordance with the laws of the State of California. Any dispute arising hereunder, or relating hereto, shall be litigated in the State of California and venue shall lie in the County of Humboldt unless transferred by court order pursuant to California Code of Civil Procedure Sections 394 or 395.

This Agreement is entered into between the Parties as of the date the Compliance Agreement is stamped as received.

TWO SIGNATURES ARE REQUIRED FOR CORPORATIONS:

- (1) CHAIRPERSON OF THE BOARD, PRESIDENT, OR VICE PRESIDENT; AND
(2) SECRETARY, ASSISTANT SECRETARY, CHIEF FINANCIAL OFFICER OR TREASURER.

County



John H. Ford, Director
Planning and Building Department
County of Humboldt

IF SIGNING ON BEHALF OF A CORPORATION, PROVIDE TITLE / CAPACITY

Property Owner(s)



Sign above. Print name here: DEJAN PETRUSHEVSKI

Capacity / Title: owner

Sign above. Print name here:

Capacity / Title:

Applicant(s) (IF DIFFERENT FROM PROPERTY OWNERS)

Sign above. Print name here:

Capacity / Title:

Sign above. Print name here:

Capacity / Title:

Attach Separate Notary Acknowledgements

CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
COUNTY OF HUMBOLDT)

On this 27 day of NOVEMBER 2018, before me, TANYA KIROV Notary

Public, personally appeared DEJAN PETRUSHEVSKI who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

Witness my hand and official seal.

Signature [Handwritten Signature] (seal)



CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
COUNTY OF HUMBOLDT)

On this _____ day of _____ 20____ before me, _____ Notary

Public, personally appeared _____ who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

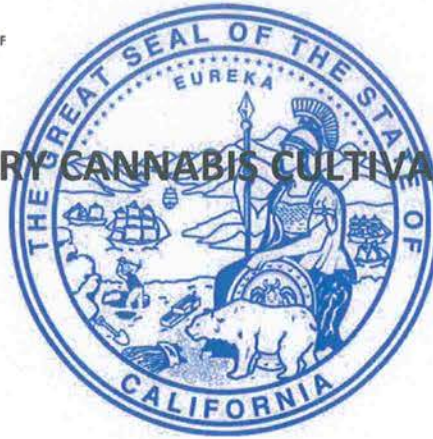
Witness my hand and official seal.

Signature _____ (seal)



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

California Department of Food and Agriculture
1220 N Street
Sacramento, CA 95814



TEMPORARY CANNABIS CULTIVATION LICENSE

Legal Business Name:

MAYERS FLAT FARM, LLC

Premises APN:

Humboldt County - 211-372-006

Premises Address:

13360 Dryerville Loop Road
Unincorporated, CA 95554

Valid:

12/26/2018 to 7/24/2019

License Number:

TAL18-0015631

License Type:

Temporary-Small Outdoor

---- NON-TRANSFERABLE ----

---- POST IN PUBLIC VIEW ----

State of California
Well Completion Report
 Form DWR 188 Submitted 10/26/2018
 WCR2018-009668

Owner's Well Number _____ Date Work Began 10/24/2018 Date Work Ended 10/26/2018
 Local Permit Agency Humboldt County Department of Health & Human Services - Land Use Program
 Secondary Permit Agency _____ Permit Number 18/19-0265 Permit Date 09/24/2018

Well Owner (must remain confidential pursuant to Water Code 13752)	Planned Use and Activity
Name _____	Activity <u>New Well</u>
Mailing Address _____	Planned Use <u>Water Supply Irrigation & Agriculture</u>
City _____ State _____ Zip _____	

Well Location	
Address _____ APN <u>211-372-008</u>	
City <u>Myers Flat</u> Zip <u>95560</u> County <u>Humboldt</u>	Township <u>02 S</u>
Latitude <u>40 15 49.0284 N</u> Longitude <u>-123 47 5.8704 W</u>	Range <u>03 E</u>
Deg. Min. Sec. Deg. Min. Sec.	Section <u>25</u>
Dec. Lat. <u>40.263619</u> Dec. Long. <u>-123.784864</u>	Baseline Meridian <u>Humboldt</u>
Vertical Datum _____ Horizontal Datum <u>WGS84</u>	Ground Surface Elevation _____
Location Accuracy _____ Location Determination Method _____	Elevation Accuracy _____
	Elevation Determination Method _____

Borehole Information	Water Level and Yield of Completed Well
Orientation <u>Vertical</u> Specify _____	Depth to first water <u>87</u> (Feet below surface)
Drilling Method <u>Direct Rotary</u> Drilling Fluid <u>Air</u>	Depth to Static _____
Total Depth of Boring <u>220</u> Feet	Water Level <u>48</u> (Feet) Date Measured <u>10/26/2018</u>
Total Depth of Completed Well <u>220</u> Feet	Estimated Yield* <u>20</u> (GPM) Test Type <u>Air Lift</u>
	Test Length <u>4</u> (Hours) Total Drawdown <u>172</u> (feet)
	*May not be representative of a well's long term yield.

Geologic Log - Free Form		
Depth from Surface	Feet to Feet	Description
0	2	top soil
2	18	brown silty clay & sandstone
18	58	shale & basalt mix
58	81	basalt
81	111	fractured blue sandstone
111	163	fractured shale
163	181	shale mulache
181	199	fractured shale
189	220	shale mulache

RECEIVED

ENTERED

10-26-18

OCT 26 2018
 HUMBOLDT CO. DIVISION
 OF ENVIRONMENTAL HEALTH

RECEIVED

SEP 18 2018



HUMBOLDT CO. DIVISION OF ENVIRONMENTAL HEALTH

Environmental Health 100 H Street, Suite 100, Eureka, CA 95501 phone: (707) 445-6215 fax: (707) 441-5699

18/19-0265

WATER WELL APPLICATION CONSTRUCTION - REPAIR - DESTRUCTION

The Well Permit will be returned to the property owner when approved by Humboldt County Division of Environmental Health (DEH)

Instructions:

- 1. Complete pages 1 and 2 of the application and submit the required fee with the Well Permit application, including Well Driller's signature and property owner's signature.
2. Work on the well shall not be started prior to approval of the Well Permit Application by DEH.
3. Any changes made to the location of a new well shall be approved by DEH prior to commencement of drilling.
4. DEH shall be notified by the Well Driller a minimum of 24 hours prior to sealing the annular space.

Form containing site address (13360 Dyerville Loop Rd), applicant (FISCH DRILLING), property owner (Myers Flat Farm, INC), contractor (FISCH DRILLING), and application type (Construction) with various contact details and checkboxes.

DISTRIBUTED 11-5-18



2722

Authorization for Access to Property

This form may be used in lieu of obtaining property owner's 'right of entry' authorization on the Water Well Application. Property owner's authorization must be received by Environmental Health prior to permit issuance.

I authorize the Department of Health and Human Services, Division of Environmental Health, access to my property for the purpose of the initial and final inspection of water well

APN 211-372-006

- construction
- destruction
- modification

Date 9-14-18

Property Owner's Name (print) ANTONIO PERUSKUSKI

Property Owner's Signature *Antonio Peruskuski*

RECEIVED

SEP 18 2018

HUMBOLDT CO. DIVISION
OF ENVIRONMENTAL HEALTH



Phone: (707) 441-8855 Email: info@shn-engr.com Web: shn-engr.com
812 W. Wabash Avenue, Eureka, CA 95501-2138

Reference: 019149

August 26, 2019

Dejan Petrysevski
Mayers Flat Farm, LLC.
P.O. Box 2114
Redway, CA 95560

Subject: Engineering Geologic Evaluation of Existing Pond Embankment, APN 211-372-006, Myers Flat, Humboldt County, California

Dear Dejan Petrysevski:

This letter provides the results of a recent engineering geologic inspection that SHN conducted of an existing pond at Assessor's parcel number (APN) 211-372-006, off Dyerville Loop Road, near Myers Flat, Humboldt County, California. The intent of our inspection was to evaluate embankment conditions in the context of ongoing permitting at the site for cannabis cultivation. Our task is to provide a professional opinion regarding the integrity of the existing embankment and to define the level of risk of future embankment failure. This is not an assessment of the environmental setting of the ponds relative to watercourses, wetlands, and so on; we understand that others are conducting that assessment as a part of the permitting process.

We note the retroactive assessment of built structures is inherently limited in its effectiveness. Inspection of a finished structure is not a comparable substitute for observation and inspection during construction, and regulatory expectations should be developed accordingly. Post-construction testing can provide localized information relative to the condition of a structure but is of limited utility for evaluation of the structure as a whole. This assessment is, therefore, qualitative and is by nature subjective and based in large part on professional judgment.

We visited the site on July 25, 2019, and conducted a visual reconnaissance of existing site conditions. We evaluated the subject embankment by collecting relevant measurements regarding the geometry of the structure and conducted a thorough reconnaissance of all visible parts of the embankment. Sample collection or testing of subsurface materials within the embankment was not conducted, due to the difficulty in the collection of representative samples and the uncertainty in interpretation of testing results (collection and testing of an adequate number of samples to evaluate embankment stability would be cost prohibitive and is beyond the scope of an investigation of this scale).

We were provided a grading, drainage, and erosion control plan for the pond that Omsberg and Preston produced (2018). The plan shows the subject pond and includes two profiles that allow for the determination of embankment heights and geometries and was supplemented by measurements taken in the field. The pond is described as a "rain catchment" pond, meaning it is not intended to receive surface runoff but rather fill through direct precipitation onto

the pond surface. This assessment does not evaluate the validity of this description. The pond is described on the engineered plans as a 350,000-gallon rain-catchment pond.

Site Description

The subject site is in an upland setting, north of Elk Creek on Elk Mountain, along the South Fork Eel River. The site is accessed from Dyerville Loop Road, near Myers Flat. Latitude and longitude for the site are 40.261913 and -123.787740, respectively. The pond is situated on southwest-sloping ground with moderate gradients, approximately 1,000 feet northwest of Elk Creek. The pond is approximately 150 to 200 feet below an east-west-trending ridge. Slope gradients become less steep at the pond site and become lower downslope. The site surface is vegetated with grasses, while immediately downslope of the pond are oak and fir trees.

Published geologic mapping (Spittler, 1983) indicates the site is underlain by bedrock of the Yager terrane, which is part of the Coastal belt of the Franciscan Complex. Yager terrane bedrock is interpreted as being Tertiary to Cretaceous in age and is described as "*well-consolidated silt-shale, siltstone, sandstone, mudstone, and conglomerate; highly sheared in places.*" Mass wasting in this bedrock material is strongly influenced by the regional bedding (dip slopes, for example, are more susceptible to landsliding) and proximity to large siltstone masses. The area is not associated with landslide-related geomorphic features as depicted on the California Geological Survey map of the Myers Flat quadrangle (Spittler, 1983).

Pond Description

We understand the pond was built in 2015 or 2016. The pond is rectangular and was developed on a low- to moderate-gradient slope at the base of a moderately-steep hillslope. A cut slope was constructed on the northeast side of the pond with gradients ranging from 30 to 50 percent. The pond embankment extends away from the cut slope, to the southwest. Bedrock and rocky soils are exposed at the surface in the cut slope. The pond is lined with an HDPE liner, which Omsberg and Preston indicate is 30-mil-thick. The liner extends over the embankment crest and is embedded into the embankment fill soils. It appears as though the pond and embankment were constructed with gravelly Yager formation materials. The embankment crest widths range from approximately 7 to 18 feet, and embankment heights (on the downhill side) range from approximately 12 to 17 feet. The embankment is vegetated with grasses.

The pond has a spillway consisting of a 12-inch-wide, 170-foot-long corrugated plastic overflow pipe that is built into the embankment at the southern corner. The overflow pipe is underlain by the pond liner and is covered with up to 2 feet of soil. The outlet for the overflow pipe daylights approximately 70 feet downslope of the embankment and is armored with up to 1 cubic yard of aggregate rock for erosion control/energy dissipation. The spillway appears to provide up to about 2 feet of freeboard. Slope gradients on the embankment faces (both interior and exterior) are on the order of 40 to 45 percent (22 to 24 degrees), which are equivalent to gradients ranging from 2.25:1 horizontal:vertical (H:V) and 2.5:1 H:V. The embankment slopes are generally smooth and appear to have been well built. There were no signs of seepage or throughflow of the embankment at the time of our visit.

Dejan Petrysevski

Engineering Geologic Evaluation of Existing Pond Embankment, APN 211-372-006, Myers Flat

August 26, 2019

Page 3

A small erosion scar was observed on the embankment. The erosion scar is in the northwest portion on the downhill embankment. A representative from Humble Servants of the Mattole reported the scar was generated due to a small leak from an irrigation pipe. Once the leak was identified, the irrigation pipe was removed and subsequently, the erosion scar did not become any larger. The erosion scar is approximately 4 to 7 inches deep and up to 24 inches wide.

Conclusions

The embankment for the subject pond appears well-built and well-maintained, and the pond appears to be located in a suitable geologic setting. The embankment appears to have been built using industry-standard geometry, with appropriate widths, side slopes, and a suitable spillway that provides sufficient freeboard. No seepage was observed, and no signs of distress (fissuring and so on) were noted.

The minor erosion scar on the embankment does not appear significant enough to impact the structural integrity of the embankment or embankment stability and does not require short-term repair.

Based on the inspection conducted in 2019, we conclude this pond is associated with a low failure potential and a low potential for environmental impacts related to the geotechnical conditions at the site.

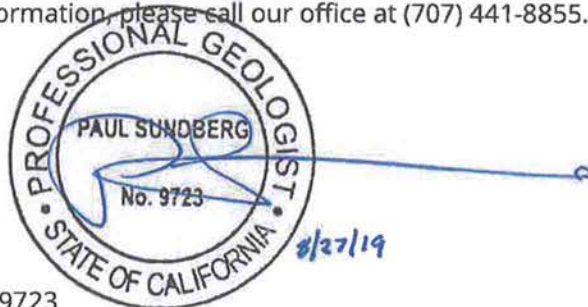
Closure

The evaluation described herein is a focused investigation limited by the nature of retroactive inspections of built structures. Because we did not observe the construction of the subject embankment nor were we provided any information regarding construction methods, we were only able to evaluate visible portions of the structure. In these situations, we take a conservative approach to assessment of the embankment, and document signs of potential distress or apparent points of weakness. Due to the limitations of this approach, it is important to regularly monitor the embankment for signs of change that may suggest the need for repairs or improvements.

We hope this evaluation provides the information you need at this time. If you have any questions or require additional information, please call our office at (707) 441-8855.

Sincerely,

SHN



Paul R. Sundberg, PG 9723
Project Geologist

PRS:GDS:ame



Dejan Petrysevski

Engineering Geologic Evaluation of Existing Pond Embankment, APN 211-372-006, Myers Flat

August 26, 2019

Page 4

References

- Omsberg and Preston. (2018). Grading, Drainage and Erosion Control Plan for Antonio Petrysevski. APN 211-372-006.
- Spittler, T. (1983). Geology and Geomorphic Features Related to Landsliding, Myers Flat Quadrangle, Humboldt County, California. California Division of Mines and Geology Open-file Report OFR 83-22 SF. Scale 1:24,000.





TIMBERLAND RESOURCE CONSULTANTS

165 S. FORTUNA BLVD., SUITE 4
FORTUNA, CA 95540
PH. 707-725-1897

COAST CENTRAL CREDIT UNION
90-7224/3211

14154

9/17/2019

PAY TO THE
ORDER OF

California Dept. of Fish & Wildlife

\$ **596.00

Five Hundred Ninety-Six and 00/100*****

DOLLARS

California Dept. of Fish & Wildlife
619 Second Street
Eureka, CA 95501

MEMO

Laura Kipon

AUTHORIZED SIGNATURE

⑈014154⑈ ⑆321172248⑆ 125400915753⑈

Photo Safe Deposit®
Details on Back.

TIMBERLAND RESOURCE CONSULTANTS

14154

California Dept. of Fish & Wildlife

9/17/2019

1600-2018-0695_Additional Fee

596.00

Coast Central Checkin

596.00

TIMBERLAND RESOURCE CONSULTANTS

14154

California Dept. of Fish & Wildlife

9/17/2019

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596.00

Coast Central Checkin

596.00