4. Moriah Miranda Grant Application

APPLICATION FORM - Commercial Cannabis Land Use Ordinance Mitigation and Remediation Fund Program

Project Title: Miranda Restoration Plan Date of Application: 9/15/2021

Applicant Name: Moriah Miranda Project APN: 210-054-009

Contact Person Name and Title: Moriah Miranda, Property Owner

Contact Phone: (707) 768-9161 Contact Email: moriahmiranda53@gmail.com

Contact Address: 48 Johnson Lane, Carlotta, CA 95528

Amount Requested: $700,000 Total Budget: $692,639.90

Project Timeline: Start Date: Began 04/8/2019 End Date: 10/15/2019

Signature of Applicant: Moriah Miranda

APPLICATION DIRECTIONS

Signed Application Form

Complete and sign the Application Form

Project Description

Provide a summary of the Project (up to 2 pages). Address where the project is located, why the project is needed, what remediation actions are proposed. Summary should clearly describe what is anticipated and why it will help.

Plot Plan

Submit a Plot Plan that identifies everything on the Plot Plan checklist that applies to the site. It should clearly show where the entire project is located or a separate location map may be provided.

- **See Email Attachment – Site Plan**

Plot Plan Checklist

Complete the Plot Plan Checklist and include in the packet. (Attached)

- **See Email Attachment – PLN-2019-15635**

Cross Sections

Cross sections of proposed work including topographic elevations.

- **See Email Attachment – "Copy of Miranda Restoration Plan"**

Scope of Work

The scope of work should clearly and concisely describe the mitigation and remediation work. It should address the who, what, when, where, and how the work will be done.

- **See Email Attachment – "Copy of Miranda Restoration Plan"**

Schedule for Completion

Identify Milestones, including a start and end date. (Sample attached)

- **See Email Attachment – "Copy of Miranda Restoration Plan"**

Erosion Control Plan and Monitoring Plan

Include a 5-Year Plan that addresses how erosion will be controlled before, during and after the work is done and how it will be monitored to ensure effectiveness at improving water quality, including follow up treatments.

- **See Email Attachment – "Grading Plan"**
- **See Email Attachment – "Soils report"**

Budget

Provide a budget that includes all costs associated with the work. Identify what costs will be covered by the grant and total project cost. (Sample attached)

- **See Email Attachment – "Restoration Plan Expenses"**

- **See Email Attachment – "Hudspeth Bid Proposal"**
- **See Email Attachment – "Hazmat Course"**

Project Maps and Figures

Include maps that are sequentially referenced with figure numbers. Each figure reference should appear in the text as Figure 1, Figure 2, and so forth according to the number of figures you use. Each figure should have a short caption that briefly explains the important information about what is being illustrated.

- **See Attached Email – "RPF 3 Acre Conversion"**

Letter(s) of Support (optional)

Letters of support are not a rating factor but may be included if desired.

- **See Attached Email – "Letter of Support from Nichole Norris"**
- **See Attached Email – "Letter of Support from Dennis Moreland"**

Sample Schedule for Completion

Milestone	Start Date	End Date
Detailed Project Scoping		
Bidding and Contracting		
Project Ground-Breaking		
Inspections by		
Project Completion		
Monitoring		

Sample Budget

Budget Item	Grant	Other Funds
Permit Fees (specify)		
Consultant and professional fees		
Materials		
Equipment		
Other (specify)		
TOTAL		

Note: 80% of program funds are required to be spent on physical improvements.

Letter of Interest Guidelines

Letter of Interest Guidelines

Potential applicants are strongly encouraged to complete a letter of interest (no more than one page) and email it to mrichardson@co.humboldt.ca.us before October 1, 2021. Feedback will generally be provided within 1-2 weeks. The letter of interest is to help potential applicants determine if a project is a good fit for this grant program before committing the necessary resources to complete and submit a full application. The letter of interest is simply a concept summary and as such, supporting details should be included in the full application if and when one is submitted later on.

The one-page letter of interest should include the following:

- Amount of funding requested and anticipated source of matching funds
- Applicant name and contact information, including phone number
- Project name
- Brief project description/scope of work (focus on improvement to water quality from reduced soil erosion)
- What is the need for the project?

Our Story

Phil and I got together while attending College of the Redwoods. I was working my way through college by waiting tables, ultimately hoping to be a counselor one day. Phil, being a more "hands on" person was attending the auto/diesel program. We are both the first people in our families to attend college, and for years we trudged along working our regular jobs, and trying to build a better life. Phil and I both dreamed of owning a home and were trying to save money for a "fixer upper" so we saved our tax returns for several years, and my last year in graduate school we reached our goal. Our new home was in reality a rotting cabin that used to be part of an old logging camp. The cabin was in bad shape, but we didn't care, we felt ready for the challenge and neither of us was a stranger to hard work.

I had just graduated with my MSW and got my first part time job as an elementary school counselor and I was still waiting tables as well. Phil was working as an ASE certified auto tech, and we had this old "fixer upper" that had rotting floors, exposed electrical wiring, leaky roof and windows, and it was infested with rats, some so big they ran off with the traps. We got an AOB building permit and decided to live in an RV in the back yard as we renovated the place. Every minute of our lives was consumed with working and renovating, and then history repeated itself. Phil's sister left 2 of her 5 children with us for summer and never picked them up. She said if we didn't want them we could drop them off at the welfare department. This wasn't a difficult decision for us to make...we loved them and we kept them. So, we're all living in the RV, and trying to renovate this house with no money and we realized things needed to change. It was one thing for us to be living rough, but now we had 2 kids to take care of.

That's when we decided to get our 215 cards and put in a medical garden with our legal 99 plants. For several years, after that we had a 215 garden out on (my dad's) property, we used the graded flat that had "always been there" for the garden area and began to simultaneously homestead the property and our "fixer upper" as well. Phil cleared away the brush from the old skid roads, made lots of firewood, and as we were sustainably farming our little family homestead the "green rush" was happening and our "new neighbors" were shooting guns at all hours of the day and night, and dressing up in tactical gear monitoring the fence line. They actually met the school bus like that one day and the bus driver refused to

drop the kids off. The hills became more populated than ever before with grow dozers that would literally run people off the road at times, or pass people on blind corners. Emergency Vehicle Sirens and high speed chases on HWY 36 became frequent, as did the anxiety of driving that stretch of highway. This increase in traffic was happening simultaneously with countless home invasions all around Southern Humboldt. We all thought he got off easy, and everyone felt safer when he left.

The mistrust of law enforcement and the government has been ongoing, because any time they were involved, they added more pain and suffering to people's lives. Everyone knows that when you are developing your property the LAST THING you do is contact the Humboldt County Planning and Building Department, unless you want to get yourself and your neighbors busted. So, we just proceeded as usual with maintaining our property, and eventually rebuilding our existing unpermitted cabin; and this all culminated around the time of the economic collapse of the Cannabis Industry as well as the legalization of Cannabis. We had no money left after rebuilding the cabin and Phil and I were talking about moving away. He had joined Operating Engineers, and I had been a school counselor in the Eel River Valley for about 15 years serving several rural and remote schools. I could see that families were struggling and it reminded me of the collapse of the timber industry. The people getting Cannabis Permits had often been huge farmers (that could weather the storm) while the sustainable mom & pops were being hit very hard. We had reached our goal of getting the property "retirement ready" for dad, and considered Amnesty for it since the structures were unpermitted. After lengthy family discussions around applying for Amnesty, I did....and that ***was the beginning of the end*** for us.

I went against Phil's better judgment; because dad and I were trusting that Humboldt County Planning and Building really did "want to work with us" and were willing to "permit our unpermitted buildings" and build a trusting relationship. We kept hearing John Ford on KMUD interviews asking people to come in and talk to them and work with them. He kept reassuring people there would be no fines assigned to them, just regular inspections that any one building a home would have to go through. Since we had already gone through this process with our "fixer upper" I thought this was reasonable, and I wanted to try to bridge that gap of distrust by taking a step in the right direction. So, I went into the Planning & Buiding Department with optimism, and after being asked if we had registered our spring

(**red flag #1**) and what's the slope of our driveway (**red flag #2**) and being told that the building inspector's come out to our area every week, **and waiting months** for that inspector to ***call us back*** to schedule a site visit (**red flag #3**), I should have known it was a trap. One day, Phil and dad went out to the shop, on the property for a tool, and discovered an abatement notice on our gate that had been there almost a week. Phil called me at work, in shock and fear, because the threat was $20,000 a day within 10 days and 4 days had already passed. So, we decide to go in the next morning to speak to code enforcement about the accusations of unpermitted grading and cannabis cultivation, both of which were inaccurate...there was no cannabis in the ground ***at all***, and we hadn't graded any flat for the purpose of Cannabis Cultivation either. The logical part of us figured it wouldn't be difficult to clear this up.

There are no words to describe how surreal this experience was...at all. We drove in that morning, nervous, but expecting to have a civilized conversation about this situation. I had original copies of all our Medical Cards, and as a trained communicator I was optimistic that we could at least listen to each other, have a respectful conversation, and be able to move forward in a civilized fashion. That is not what happened. We were told to sit at the side table, and waited for at least 30 minutes before our Code Enforcement agent, Warren Black arrived. When we asked him what proof he had that we had Cannabis in the ground he said he has photos, and when I asked for a copy he said, "that may or may not be possible". When I told him that the photo he had (Summer of 2018) was a medical garden that I had permission to have, as I reached for my card to show him, he dismissed it and said, "medical marijuana ceased to exist after 2016". I told him that I had one, prescribed by my doctor, and he said, "that's because people like you will pay for them". I said, how is this even possible? (it's April 4, 2019) I don't have any cannabis in the ground, and I asked him if he even checked? He said they aren't allowed to walk the property, and I asked him how can you accuse me of this then? I have nothing out there, and he said that we needed to prove it by taking photos with today's paper in each photo showing no Cannabis or infrastructure, and email it to him, as that was his "preferred" form of communication. I could tell this was turning into a power struggle and so I asked him what he wanted us to do? He pointed his finger at me and said, "You need to have an engineer on site within 10 days to assess the grading" and I said, "What if I can't find somebody within 10 days?" He shrugged his shoulders and said, "Then the fines begin". So, I took notes about what he said, and what we were expected to

do, and that same day, Phil and dad went out and took at least a dozen photos with the newspaper; and I emailed them to him, eager to clear up this confusion... and he never acknowledged receipt. I even followed up with him, asking him (via email and voice mail) if he received the photos and to this day he has never responded.

We cooperated fully. On the way home we stopped by Baird Engineering, only to learn they were booked 2 months out, and then went to Timberland Resource company, trying desperately to connect with people who could help us "stop the clock" but everyone was busy. The panic really set in because the $20k daily fines were ticking and the fear of losing my dad's land was a constant companion. We ended up reaching someone at Baird, and I showed him my notes, which he took a copy of. He was surprised that the CEU had "come at us that way" so they squeezed us into their schedule and did a site visit within 10 days, along with forester Steve Hohman. I kept trying to explain to them that we did not grade this flat, but nobody seemed interested in that, they were focused on remediation "since we'd already been abated". The engineer and forester collaborated and created a forest restoration plan to remediate the land; that had been damaged by the logging company from 45 years ago, **and we were completely financially devastated in the process**.

Unlike many larger growers we didn't have a barrel of money in the ground, in fact we had to borrow money from my godmother to get through this process that required hiring an Engineer/Forester/LSA from Fish & Game and the $100,000 (100 year flood culvert project), 32 sites of cleanup with countless compacted rolling dips all over the property, smaller culverts in various locations, and planting trees etc. Fortunately, Phil was able to do all this work himself, because we couldn't afford to hire it out, but he ultimately missed out on his first year with Operating Engineers where he was going to be hired as equipment owner/operator and run his excavator at $1400 a day. He had already completed the required Hazmat Course to work in Paradise and had his RV spot reserved...and then this happened.

This bureaucratic machine took over our lives. One agency ignited another agency, and it was thousands of dollars at a time...there was no neutral party to discuss this with, that could stop the ticking clock, or even pause it, while someone took the time to "fact check" the violations in question. Our neighbor hired us an attorney, and we filed an appeal, but that

didn't stop the $20k daily threat, or the county's expectations, or their lack of responsiveness, or the threat of ultimately seizing my dad's land. It also didn't change the fact that our CEU agent, Warren Black, hiding behind his qualified immunity, didn't respond to our proof of innocence, but was able to find the time to tell Phil, "how people want to beat him up but he is 'bulletproof'" when he saw him at the building department. His blatant misfeasance created debilitating levels of stress that led to serious health issues, MRI's, brain lesions, a neurologist...and nearly destroyed our life. Phil didn't need to hear that.

We didn't know what to do, as there was no communication "at all", except for the above interaction, from the planning department after threatening us with $20k daily fines, so we proceeded with the "Restoration Plan" because we had a deadline of October 15, 2019. In July, we attended a Town Hall meeting at the Mateel Center in Redway that had John Ford and Estelle Fennel, and others on the panel. That day was the first day I spoke out publicly about our experience, and I got John Ford's attention. He asked to speak to us after the meeting, and after speaking with him we arranged a more official follow up meeting the next day. At that meeting we shared documentation from our forester's report including aerial photos of our property from the 90's to the present year; that showed the graded flat in question had "always been there". John Ford admitted they had made a mistake, and when we asked about getting our money back (at that time it was at $51K) he said he couldn't do that, because so much of what we had spent had gone to so many other agencies...but he said, "I'll work with you" and when pressed around what that meant he said he would help us to go "legal" since so much of what we had been required to do, is what legal farmers are required to do.

It meant a lot to me that John Ford had the courage to admit they had made a mistake, because I could tell his colleague Bob Russell was still trying to defend their department's position to abate us, pointing to all the clearing that had been done. But Ford could tell those were skid roads that had been cleared and stopped him from going there. John Ford emphasized his surprise that Warren Black treated us the way he did, because he hears so many good things about him. I said, I had no idea why he came at us that way either because we had never met him before. Bob Russell looked me straight in the eye, and said, "I think I know why".

The frustration for Phil and I both, was that we had no money and ***no trust***. We were being asked to put this nightmare aside and work with the same department that had just traumatized us beyond belief, and we were in debt, with no startup money to farm. Ford says, "there are grants" and he encouraged me to look into the Trellis program, so I did. I spoke at length with Scott Adair, and Thomas Mulder, who were both kind and helpful. The issue was that our timing was bad...they had just formed their committee, and were creating their bylaws, and we didn't officially have a farm name etc. So, I still have no money and Ford had made it clear that we had to decide to Farm by December 30, 2019 or the door was closed forever for us, because our property was in an impacted watershed. We felt we ultimately had 2 choices, sell the land or find a way to farm.

At our last meeting with John Ford and Estelle Fennel, (December 19, 2019) I shared several documents, including an expense sheet that itemized all of the money we spent on the basic abatement expenses that added up to 52,557.91 and that doesn't include any of Phil's labor. When we add in Phil's year of lost wages for the entire season as Heavy Equipment Owner/Operator it was 232,400 (see attachment). Ford's response was to raise his voice and ask, "Why did you do all of this?" and Fennel said she was having a hard time understanding the Nexus between the work we did and what the terminology of "restoration plan" meant on the abatement notice. I said, "Are you blaming me, for doing what we were told we ***had*** to do, as stated by the professional ***your employee required*** us to hire?" Why did we do all of this? Our position was, and continues to be, if Warren Black had ***acknowledged*** our proof of innocence, and ***retracted*** the abatement, Phil would have gone to work in Paradise as planned, and made enough money to startup our own farm if we chose to. But instead, we were in abatement hell, and he has brain lesions to prove it. John Ford apologized for his tone, and said, "I don't know how this happened...it's the worst case I've seen". Our attorney chimed in, that "the Nexus appears to be Warren Black".

It was by no means an easy decision, but after the meeting, we decided to turn in our application to farm; and John Ford waived the application fee. After attempting to get a traditional loan for this legal business, and no options were available to us, I had to seek out a private lender to start up the farm. He lent us $175,000 dollars on a 15% interest only loan, including an immediate annual balloon payment of $26,250 the day I received the check, and we have five years to pay him off completely. The bureaucratic hoops appear to be endless;

with agency after agency constantly requiring something from us, including more site visits that were required for environmental reasons. So we had to have a Biologist, a team of Archeologists, and an Owl Hooter as well as Environmental Health etc., and meanwhile, even though I have an advanced degree, I'm unable to navigate this process myself so I have a consultant to pay.

Interestingly, around the same time that we are "on the books" and legal, our cabin gets broken into, and it was ransacked and robbed and Phil calls the Sheriff. They refused to come out, and do an investigation, telling Phil and dad they could come in and file a report for their stolen property. Phil emphasized they were on their way to a job that was 2 hours in the other direction, but that didn't seem to matter. It was suggested that when nobody is there we should board up the windows to our cabin and chain up some mean dogs.

Then, I learn that my Cannabis Planner is swamped and our application is at the bottom of her stack, and she tells my consultant she appreciates her patience and she will get to it when she gets to it, and we may not be able to farm this year. WHAT?????? At this point we are at the end of our rope, and all I can think of is I HAVE A MORTGAGE TO PAY BACK!!!!! So, I call John Ford and he acknowledges our application "isn't where it should be" and he was able to nudge our application along, but our planting time was delayed 3 weeks. We had to purchase 80,000g in water storage tanks, plus all sorts of other unexpected fees and we just spent the last of our money on our $10,800 Excise Tax.

Our consultant completed the application with Vic's well drilling who is patenting a method to dig wells that aren't hydrologically connected to underground springs. She estimates the project to be around $25-60k including the solar pump. We need to get this project completed this year in order to renew our Zoning Clearance Certificate and be in compliance with the Water Board. We feel like we're drowning, and truthfully we would like to be reimbursed for our entire abatement. We chose not to sue the county because we are broke, and tired of fighting, and we were told that Warren Black has immunity, and our lawyer was told by county counsel that he had 60 days to find a place where it says that the Warren Black wasn't allowed to treat us the way he did. It's just wrong and the people who have heard our story are in shock that there is literally a license to mislead and abuse their power. As we teach the kids at school if we have made a mistake and hurt someone by our actions we

need to 1. Fess up, and after acknowledging our wrong doing we can then move on to step 2. Clean up the mess, and make a new plan. After that we can move on to step 3. Forgive yourself and take the lesson with you. We are stuck on step 2, and we could heal emotionally and financially if they "cleaned up their mess with us" and did the right thing for once. It was just wrong in so many ways and we continue to wonder if "trusting them" was the right decision.

COUNTY OF HUMBOLDT
PLANNING AND BUILDING DEPARTMENT
CURRENT PLANNING DIVISION

3015 H Street Eureka CA 95501
Phone: (707)445-7541 Fax: (707) 268-3792
http://www.co.humboldt.ca.us/planning/

Date: December 3, 2019
Subject: HCC 314-61.1.12 | Streamside Management Area and Wetland area Determination

RE: PLN-2019-15635
BLD-2019-48550

APN: 210-054-009-000

TO: Moriah & Phillip Miranda
48 Johnson Lane, Carlotta, CA 95528

Dear Mr. & Mrs. Miranda,

Thank you for submitting your Special Permit application to reduce a Streamside Management Area setback and authorize prior unpermitted development on your property located in the Larabee Buttes area.

After further review of the application materials submitted to date, we have determined that a Special Permit is **not** required. The basis for this determination is outlined below. Note: a copy of this determination is also being sent to the California Department of Fish & Wildlife for their review and reference.

Section 61.1.12 of the Streamside Management Area and Wetlands Ordinance (SMAWO) identifies the protocol for determining if grading, construction, or other development activities are located or proposed within a Streamside Management Area (SMA), Wetland, or other wet area. The SMAWO requires that a preliminary inspection must occur prior to the issuance of any permit for grading or construction activities.

In April of 2019, an inspection of your property was performed by Building Inspector Gus Dumler. After reviewing information from the grading permit and restoration plan package, photos from the pre-site inspection, and consultation with Mr. Dumler, we have determined that no construction activities have occurred or are located within a streamside management area, wetland, or other wet areas.

Satellite imagery and anecdotal information confirm that the property has a history of prior development including timber harvests in the 1990's. Existing roads and watercourse crossings likely predate the County's adoption of the Streamside Management Area Ordinance in April 1995. California's Forest Practice Rules govern timber harvest activities statewide and include provisions guiding the design of logging roads, landings, and stream crossings.

The grading permit package prepared by Baird Engineering includes a variety of measures designed to help mitigate potential damage caused by prior unpermitted development activities. Prior activities include: extensive grading, tree removal, construction and reconstruction of roads, and development of graded flats.

Additionally, the restoration plan developed by Hohman and Associates details 32 remediation measures designed to address impacts from existing roads including: removal and stabilization of perched fill material and removal of fill material at watercourse crossing locations, treatment of runoff from hydrologically connected road segments, poorly drained roads, and loose fill throughout the project area. The plan also addresses an undersized failing culvert crossing on the main driveway, untreated slash and debris throughout the project area and uncontained fuel storage.

Forthcoming approval of the Building Permit (BLD-2019-48550) is being made with the understanding and expectation that all of the aforementioned remediation and mitigation measures will be performed pursuant to the restoration plan work order and appurtenant timeframes described in these plans. Implementation of these measures is essential to abating the declared nuisance.

If you have any questions regarding this determination, please feel free to contact me at 268-3741 or slazar@co.humboldt.ca.us

Sincerely,

Steven Lazar
Senior Planner

encl (via email): Site Plan Package
Restoration Plan (prepared by Hohman & Associates)

cc (via email): Andrew Orahoske – California Department of Fish & Wildlife
Gus Dumler – Humboldt County Building Division

Hohman & Associates
FORESTRY CONSULTANTS
P.O. Box 733, Hydesville, CA 95547 . (707) 768-3743 . (707) 768-3747 fax

Miranda Restoration Plan

Introduction and Project Description

Site Legal Description
The site is located on or adjacent to Larabee Buttes Access Road, near Larabee Valley in Humboldt County on Humboldt County Assessor Parcel Number 210-054-009, T1N, R4E, Section 23, HB&M.

Property address: Larabee Buttes Access Road, Bridgeville, Ca 95526.

Property owner:	Moriah D Miranda,	48 Johnson Ln Carlotta CA 95528	707-599-8444
Contact person:	Philip Miranda,	48 Johnson Ln Carlotta CA 95528	707-768-9161

Background

Hohman and Associates Forestry Consultants visited the Miranda property, on April 10th 2019 at the request of the private property owner (See Location Map below). The site visit was to determine opportunities and constraints to rectify various environmental violations across the site in response to notice the landowner received from the County of Humboldt for "Violation of the Commercial Cannabis Land Use Ordinance", and for "Grading without Permits; Facilities/Activities in Violation of the Commercial Cannabis Land Use Ordinance". See copies of the Notice documents attached below.

Project Description
The project is located on a 38.5 acre parcel. The portion of the property requiring remediation covers about 7 acres. This plan has been made to allow for the remediation of potential environmental damage caused by extensive grading of the site including the removal of trees, the construction and reconstruction of roads, the construction of graded flats and the diversion of a Class III watercourse. Specific issues include perched fill material, fill in the stream channels at crossing locations, hydrologically connected road segments, poorly drained roads, and lose fill throughout the project area. In addition to problems related to grading the plan addresses an undersized failing culvert crossing on the main driveway, untreated slash and debris throughout the project area and uncontained fuel storage.
Holman and Associates is working in tandem with A. M. Baird Engineering & Surveying, INC. Work conducted by A.M. Braid includes Soil Sampling, Detailed Topographic Mapping of Graded area, Grading Plan With Sediment and Erosion Control Measures and an R2 Soils Report for the Graded Area. See the contact information below.

A.M. Baird Engineering & Surveying, INC. Work
P.O. Box 396, Fortuna, CA 95540
ambaird@suddenlinkmail.com
707-725-5182

Timber characteristics

The Miranda property is within a Douglas fir/tanoak forest with an understory of huckleberry. The surrounding forest composition consists primarily of even-age second growth Douglas-fir and tanoak, With a minor amount of other hardwood species. All species combined basal areas is approximately 200 square feet (sq. ft.) per acre with closed canopy. The property is zoned as Unclassified (U) with a land use designation of "RA" - Residential Agriculture.

Approximately 2.3 acres of currently un-forested cleared land exist on the Maranda parcel. Clearing appears to have taken place over a number of years beginning in the 1990s. Recently removed trees primarily tanoak has been left onsite. Measures are proposed to treat slash and log piles and replant sensitive areas. See the dated air photos attached below.

Work Order

Remediation measures for specific sites are described below. All work shall be completed prior to October 15th unless otherwise noted in the site description. Also see the project map, construction diagrams and site photos attached.

1. Perched fill material leading to a class II watercourse. Pull approximately 5'x15'x2' (5.5 Cu Yards) of fill back onto road prism and incorporate spoils into the existing road prism. Mulch all bare dirt created from spoils within 100' of the class II watercourse. Complete prior to October 15.

2. Metal 40' X 8' storage container within Class II watercourse buffer. Container has previously stored contaminated products. Move the storage outside the 100' watercourse buffer. Complete prior to October 15.

3. Perched fill material leading to a class II watercourse. Pull approximately 3'x35'x2' (7.8 Cu Yards) of fill back onto road prism and incorporate spoils into the existing road prism. Complete prior to October 15.

4. Fill crossing on a class III watercourse. Excavate fill approaches (Approx. 13.3 Cu Yards) back to a 1:1.5 ratio. Complete prior to winter period or as specified in the applicable CDFW 1600 agreement, whichever is earlier, Soil or debris deposited into the channel shall be removed to form a channel that is as close as feasible to the natural watercourse grade and orientation to prevent slumping, to minimize soil erosion and sediment transport. Exposed soil located between the watercourse crossing and the nearest adjacent drainage facility or hydrologic divide, whichever is closer, including cut banks and excavated shall be stabilized by seeding, mulching, rock armoring, replanting, or other suitable treatment to prevent soil erosion and significant sediment discharge. Work at this site shall not take place until a Notification of Lake or Streambed Alteration agreement is filed and approved by the California Department of Fish and Wildlife.

5. Existing spring used as drinking water for summer cabin. Adjacent skid trail passes the intake head. Potential for sediment from road is high. Landowner shall mulch all bare dirt created from skid trail within 100' of the spring and class II watercourse. Complete prior to October 15.

6. Fill crossing on a class II watercourse. Complete prior to winter period or as specified in the applicable CDFW 1600 agreement, whichever is earlier, the crossing fill (Approx. 65 Cu Yards) shall be removed, and the approaches to the crossing shall be sloped back (1.5:1 ratio) from the outside edge of the constructed channel. Soil or debris deposited into the channel shall be removed to form a channel that is as close as feasible to the natural watercourse grade and orientation to prevent slumping, to minimize soil erosion and sediment transport. Exposed soil located between the watercourse crossing and the nearest adjacent drainage facility or hydrologic divide, whichever is closer, including cut banks and excavated shall be stabilized by mulching or other suitable treatment to prevent soil erosion and significant sediment discharge. <u>Work at this site shall not take place until a Notification of Lake or Streambed Alteration agreement is filed and approved by the California Department of Fish and Wildlife.</u>

7. Fill crossing on a class III watercourse. Complete prior to winter period or as specified in the applicable CDFW 1600 agreement, whichever is earlier, the crossing fill (Approx. 16 Cu Yards) shall be removed, and the approaches to the crossing shall be sloped back (1.5:1 ratio) from the outside edge of the constructed channel. Soil or debris deposited into the channel shall be removed to form a channel that is as close as feasible to the natural watercourse grade and orientation to prevent slumping, to minimize soil erosion and sediment transport. Exposed soil located between the watercourse crossing and the nearest adjacent drainage facility or hydrologic divide, whichever is closer, including cut banks and excavated shall be stabilized by mulching or other suitable treatment to prevent soil erosion and significant sediment discharge. <u>Work at this site shall not take place until a Notification of Lake or Streambed Alteration agreement is filed and approved by the California Department of Fish and Wildlife.</u>

8. Surface drainage. Install a compacted rolling dip to direct storm flow away from road prism.

9. Surface drainage. Install a compacted rolling dip to direct storm flow away from road prism.

10. Surface drainage. Install a compacted rolling dip to direct storm flow away from road prism.

11. Surface drainage. Install a compacted rolling dip to direct storm flow away from road prism.

12. Woody debris mixed with overhanging fill can cause a potential fire hazard. Area is approximately 100'x30'. Excavate fill and spread spoils along road surface. Chip or burn woody debris on site. Logs shall be cut to 16" in length for firewood use.

13. Surface drainage. Install a compacted rolling dip to direct storm flow away from the road.

14. Fuel tank, diesel generator and diesel containers present on site without secondary containment. Install secondary containment catchments or remove products from the property.

15. Surface drainage. Install 18" ditch relief culvert (2 – 20' culverts) to prevent overland flow to agriculture barn. Install a compacted rolling dip across the top of the culvert to direct storm flow away from road prism.

16. Surface drainage. Install a compacted rolling dip to direct storm flow away from the road.

17. Surface drainage. Install a compacted rolling dip to direct storm flow away from the road.

18. Woody debris present. May cause a potential fire hazard. Chip or burn woody debris on site. Logs shall be cut to 16"in length for firewood use.

19. Outboard fill material of the lower graded pad is showing signs of erosion. Seed and mulch bare dirt surfaces and plant 1 year + tree species (redwood, Douglas-fir or Tanoak etc.) on a 12 x 12 spacing across the ¼ acre area (100 Trees).

20. Existing drainage pattern from the graded flat shows signs of erosion. Install 4"-18" mixed rock at the nick point and for 20' downslope 5' wide to reduce erosion.

21. Surface drainage. Install a compacted rolling dip to direct storm flow away from the road.

22. Outboard fill material directly eroding into the Class III watercourse. Excavate fill and spread spoils along road surface. Mulch all bare dirt created from spoils within 50' of the class III watercourse. Complete prior to October 15. <u>Work at this site shall not take place until a Notification of Lake or Streambed Alteration agreement is filed and approved by the California Department of Fish and Wildlife.</u>

23. Storm flow from neighbor's spring drains onto the slopes adjacent to house causing sheet erosion. Install French Drain as per Baird Engineering draining to the outfall at road point 22. <u>Work at this site shall not take place until a Notification of Lake or Streambed Alteration agreement is filed and approved by the California Department of Fish and Wildlife.</u>

24. High nutrient soil pile (30'x15') present within 50' of the class III watercourse. Move soil outside of the 50' watercourse buffer and cover with plastic or spread and mulch.

25. Woody debris present. May cause a potential fire hazard. Chip or burn woody debris on site. Logs shall be cut to 16"in length for firewood use.

26. Surface drainage. Install a compacted rolling dip to direct storm flow away from the road.

27. Woody debris present. May cause a potential fire hazard. Chip or burn woody debris on site. Logs shall be cut to 16“in length for firewood use.

28. Debris from past cannabis operations. Remove debris from the property.

29. Surface drainage. Install a compacted rolling dip to direct storm flow away from the road. Rock the dip surface with 1”-3” diameter rock.

30. Active cut bank slump drains in the inside ditch to adjacent Class II watercourse. Rock the first 30’ of the inside ditch with 4”-6” diameter rock to catch inside ditch spoils. Clean the additional inside channel for another 30’ to routinely catch cut bank failures.

31. Class II stream crossing with failing 24” drainage structure. Excavate failing crossing (Approx. 200 cu yards) and install a 40” diameter 60’ long culvert to channel grade. Armor inlet and outlet with 1’ to 2’ diameter sharp angular rock. Install critical dip 30’ left of hinge with 4” to 6” sharp angular rock. Rock 100’ left and right of crossing with ±1” sharp angular rock. <u>Work at this site shall not take place until a Notification of Lake or Streambed Alteration agreement is filed and approved by the California Department of Fish and Wildlife.</u>

32. Woody debris present. 12’x12’ pile may cause a potential fire hazard. Chip or burn woody debris on site. Logs shall be cut to 16“ in length for firewood use.

STATEMENT OF CONTINGENT AND LIMITING CONDITIONS CONCERNING THE PREPARATION AND USE OF THE RESTORATION PLAN

Prepared by Hohman & Associates

1. This information has been prepared for the sole use of the **Landowner of Record**, for the express purpose of submitting the document to the local county planning department.

2. Hohman and Associates does not assume any liability for use of this information by any party other than the owner or their agent.

3. The assessment presented in this report should be viewed and considered in light of the time spent observing the property and the methodologies used. The assessment may differ from those made by others or from the results of interpretation and assessment protocols.

4. Hohman and Associates did not conduct an investigation on a legal survey of the property.

5. The information is based upon conditions apparent to Hohman and Associates at the time the work was done. This report is time sensitive and provides current conditions as per the date of this document. No further clearing of trees, grading or construction of structures shall occur on site until the approval of this document by the local county planning department.

6. All future work on site shall be through **approved permits** with local state or county agencies.

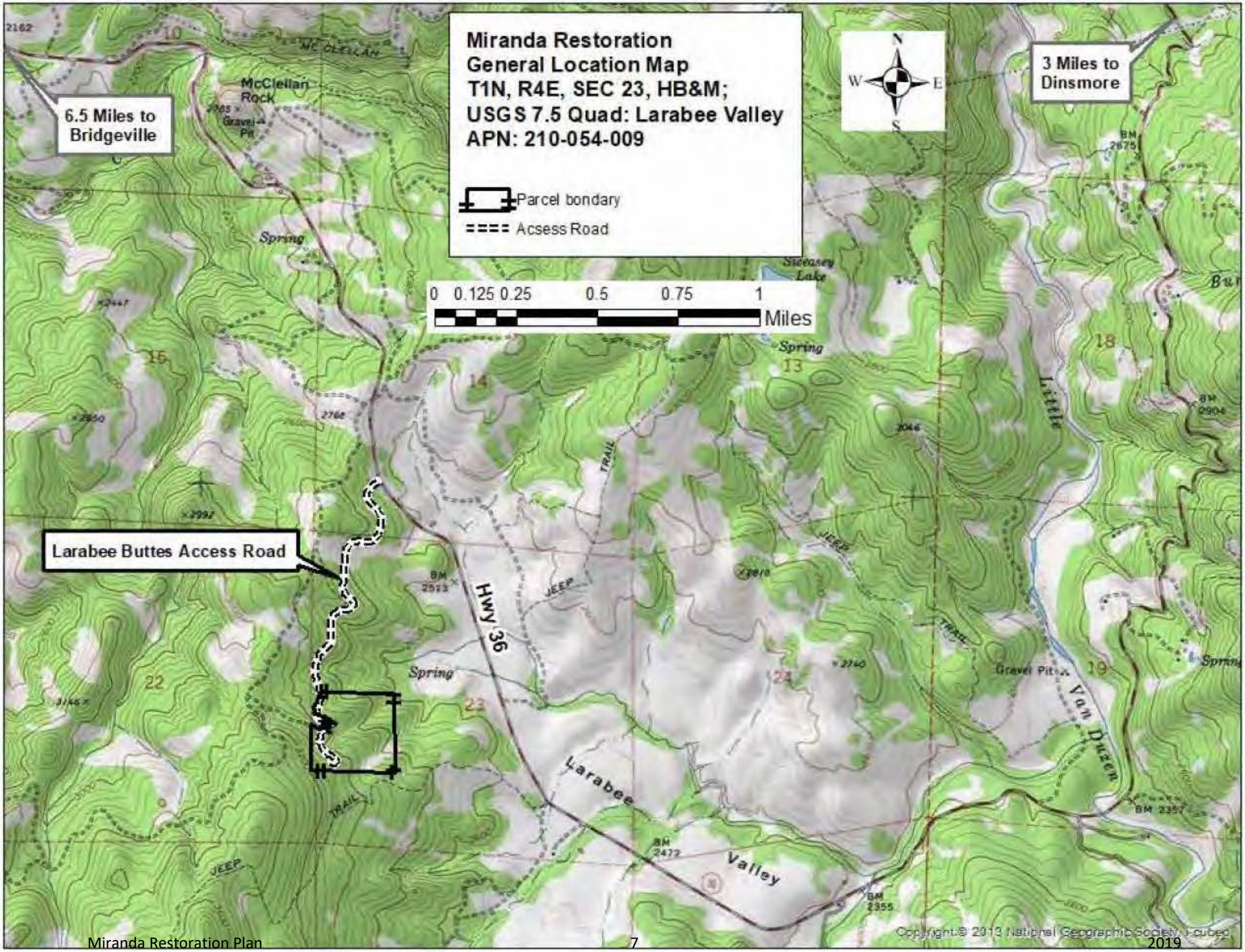
7. Hohman and Associates shall not be responsible for the supervision of mitigation operations following approval of the restoration plan.

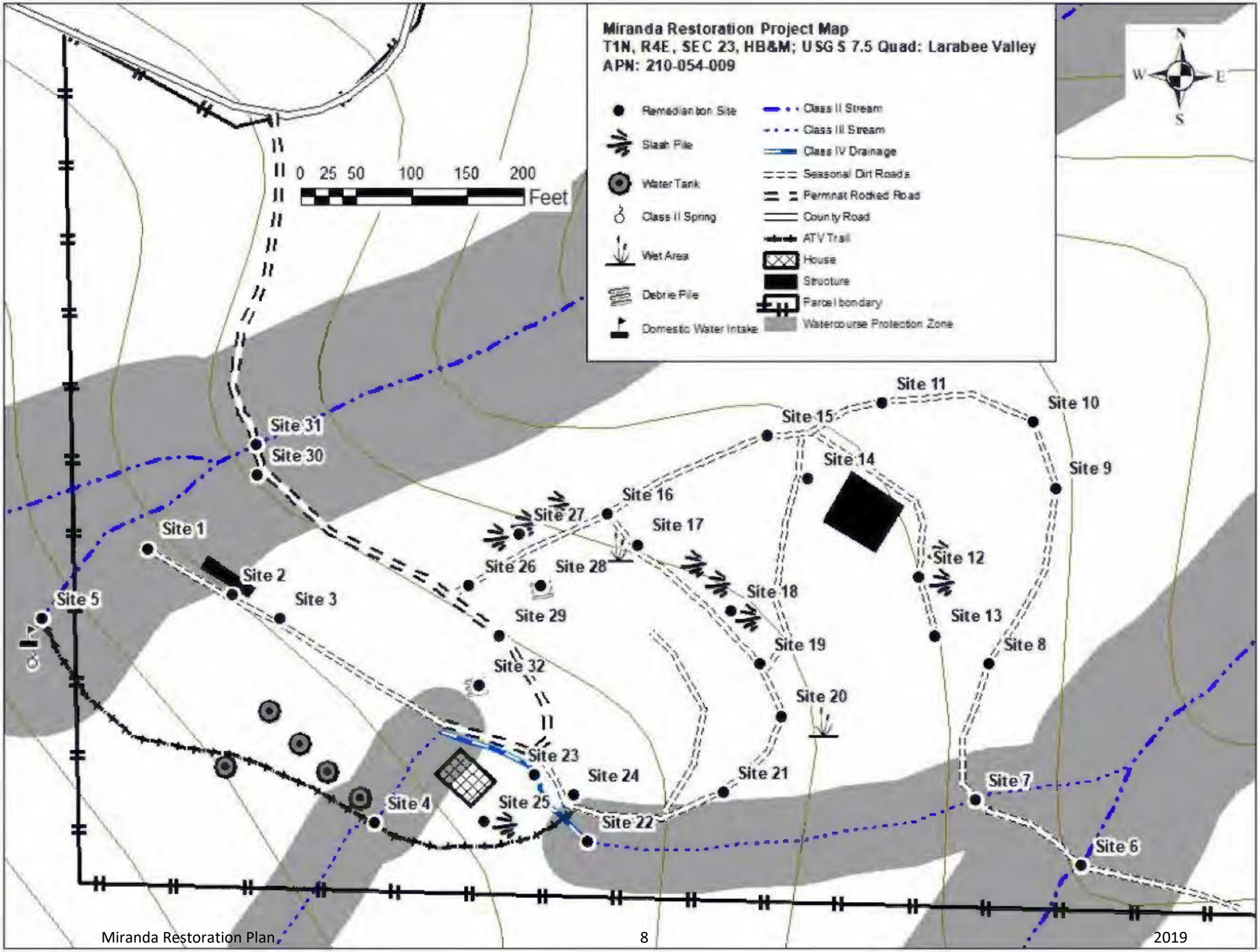
Land Owner of Record: Moriah D Miranda

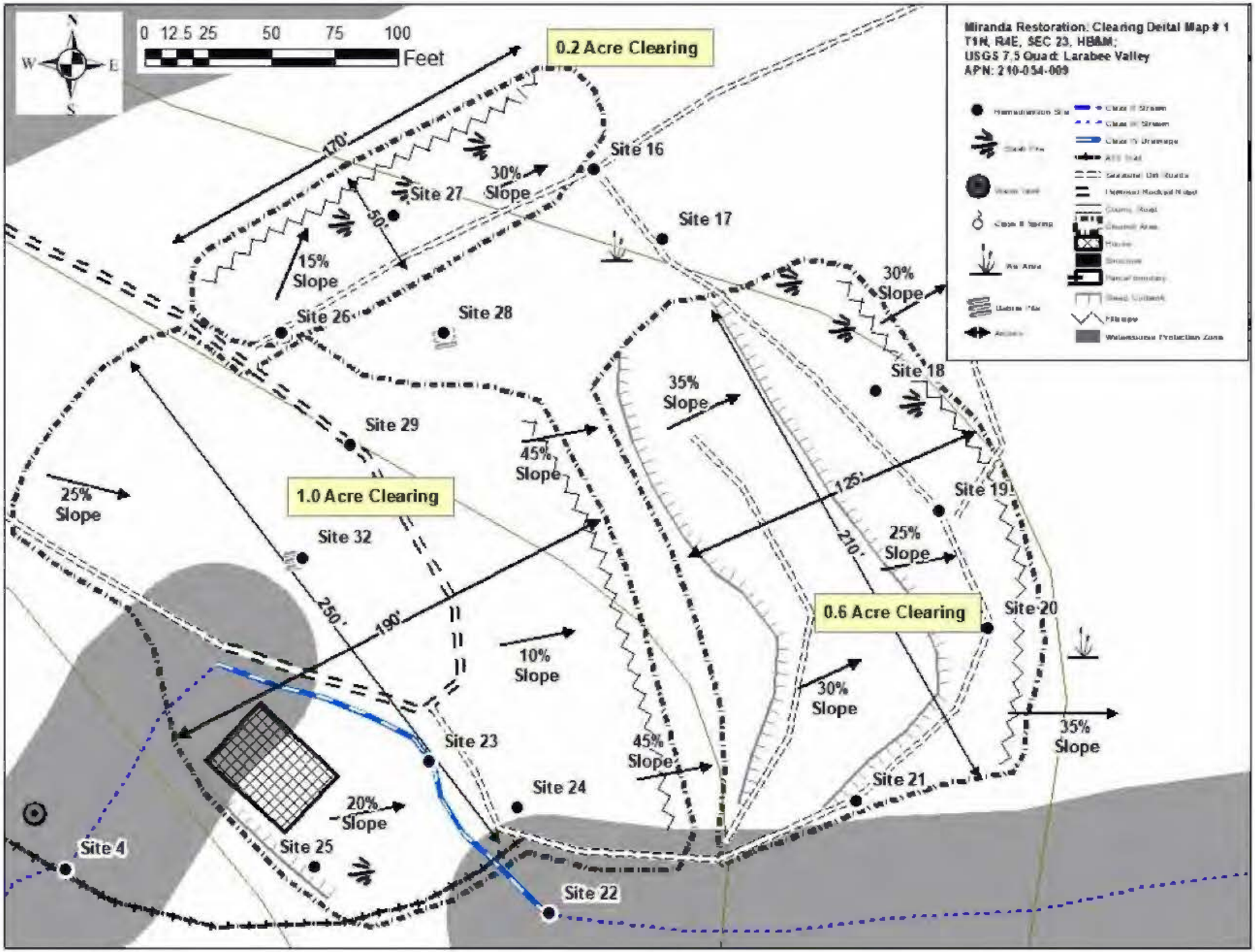
Signature: _____ Date: _____

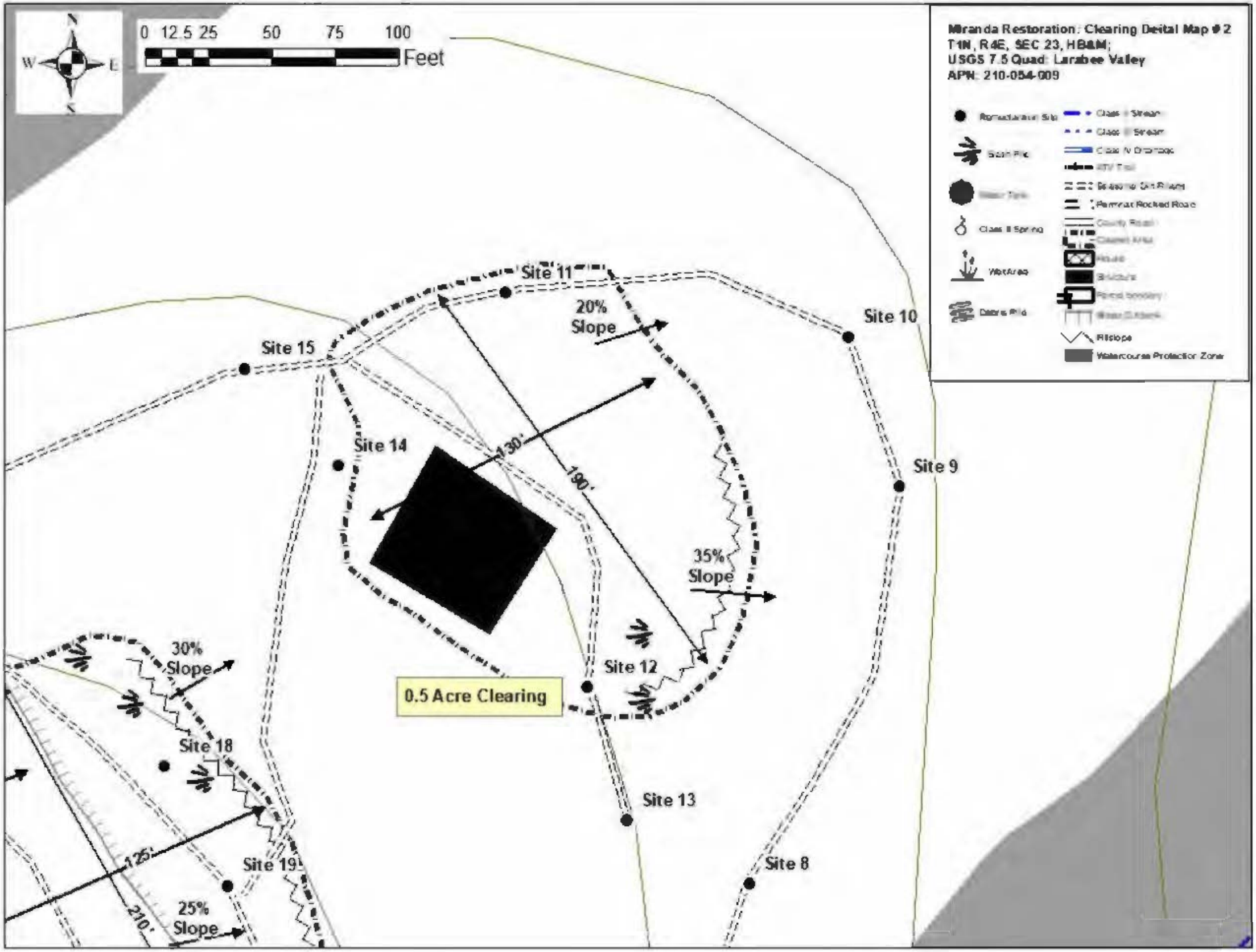
Registered Professional Forester: Stephen Hohman RPF #2652

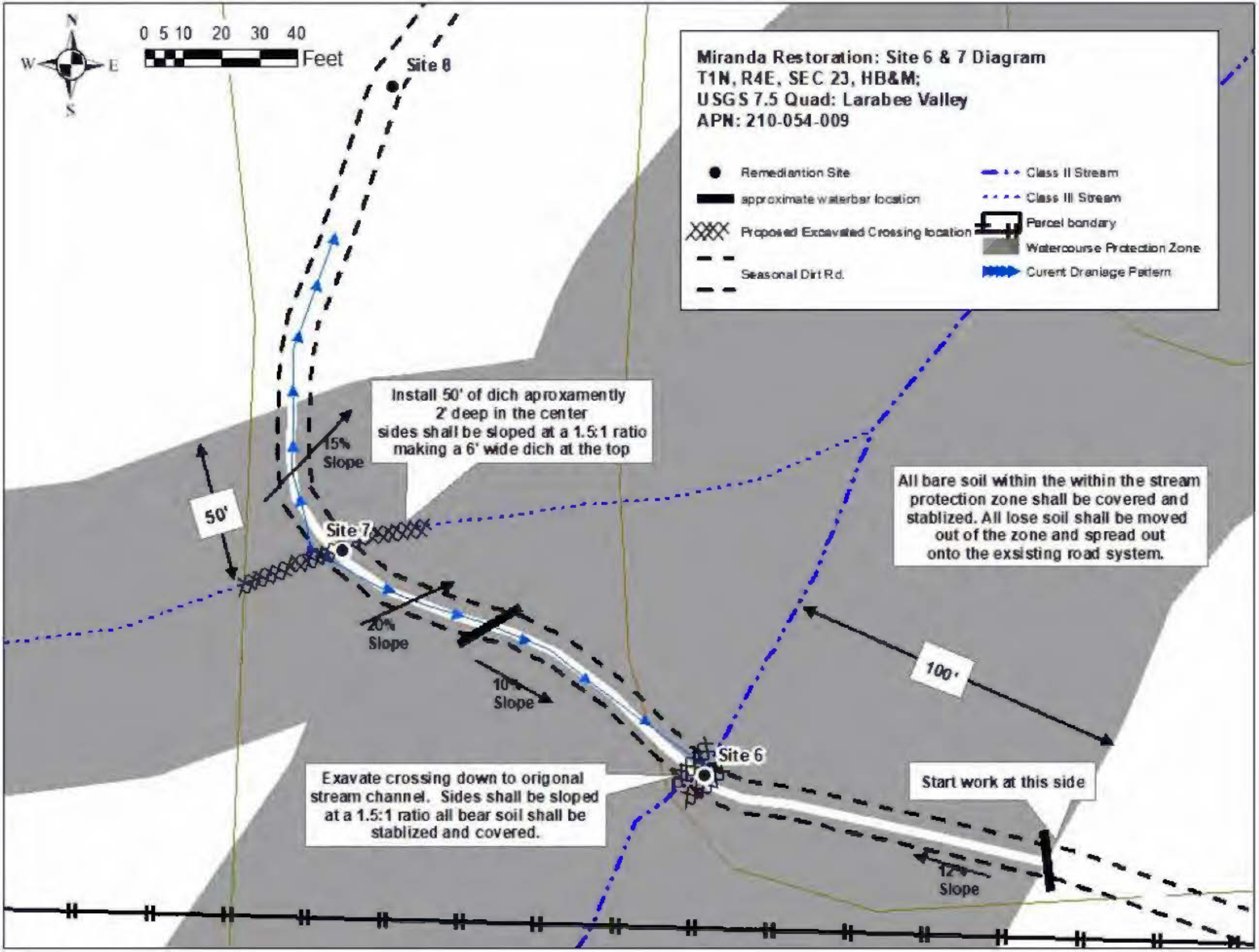
Signature: _____ Date: 5-9-19


Miranda Restoration
General Location Map
T1N, R4E, SEC 23, HB&M;
USGS 7.5 Quad: Larabee Valley
APN: 210-054-009
Parcel bondary
Acsess Road
0 0.125 0.25 0.5 0.75 1
Miles
N
W
E
S
6.5 Miles to Bridgeville
3 Miles to Dinsmore
Larabee Buttes Access Road
McClellan Rock
Gravel Pit
Spring
Hwy 36
Larabee Valley
Little Van Duzen
TRAIL
JEEP
Copyright © 2013 National Geographic Society, i-cubed


Miranda Restoration Project Map
T1N, R4E, SEC 23, HB&M; USGS 7.5 Quad: Larabee Valley
APN: 210-054-009
Remediation Site
Slash Pile
Water Tank
Class II Spring
Wet Area
Debris Pile
Domestic Water Intake
Class II Stream
Class III Stream
Class IV Drainage
Seasonal Dirt Roads
Permnat Rocked Road
County Road
ATV Trail
House
Structure
Parcel boundary
Watercourse Protection Zone
0 25 50 100 150 200
Feet
N
W
E
S
Site 1
Site 2
Site 3
Site 4
Site 5
Site 6
Site 7
Site 8
Site 9
Site 10
Site 11
Site 12
Site 13
Site 14
Site 15
Site 16
Site 17
Site 18
Site 19
Site 20
Site 21
Site 22
Site 23
Site 24
Site 25
Site 26
Site 27
Site 28
Site 29
Site 30
Site 31
Site 32


Miranda Restoration: Clearing Deital Map # 1
T1N, R4E, SEC 23, HB&M;
USGS 7.5 Quad: Larabee Valley
APN: 210-054-009
0 12.5 25 50 75 100
Feet
N
W
E
S
0.2 Acre Clearing
1.0 Acre Clearing
0.6 Acre Clearing
170'
50'
125'
210'
190'
250'
Site 16
Site 17
Site 18
Site 19
Site 20
Site 21
Site 22
Site 23
Site 24
Site 25
Site 26
Site 27
Site 28
Site 29
Site 32
Site 4
30% Slope
15% Slope
35% Slope
45% Slope
25% Slope
10% Slope
20% Slope


N
W
E
S
0 12.5 25 50 75 100
Feet
Miranda Restoration: Clearing Deital Map # 2
T1N, R4E, SEC 23, HB&M;
USGS 7.5 Quad: Larabee Valley
APN: 210-054-009
Class II Spring
Wet Area
Debris Pile
Rilslope
Watercourse Protection Zone
Site 11
Site 10
Site 15
Site 14
Site 9
Site 12
Site 13
Site 8
Site 18
Site 19
20% Slope
35% Slope
30% Slope
25% Slope
130'
190'
125'
210'
0.5 Acre Clearing


Miranda Restoration: Site 6 & 7 Diagram
T1N, R4E, SEC 23, HB&M;
USGS 7.5 Quad: Larabee Valley
APN: 210-054-009
Remediantion Site
approximate waterbar location
Proposed Excavated Crossing location
Seasonal Dirt Rd.
Class II Stream
Class III Stream
Parcel bondary
Watercourse Protection Zone
Curent Drainage Pattern
0 5 10 20 30 40
Feet
N
W
E
S
Site 8
Install 50' of dich aproxamently
2' deep in the center
sides shall be sloped at a 1.5:1 ratio
making a 6' wide dich at the top
15%
Slope
50'
Site 7
20%
Slope
10%
Slope
All bare soil within the within the stream
protection zone shall be covered and
stablized. All lose soil shall be moved
out of the zone and spread out
onto the exsisting road system.
100'
Site 6
Exavate crossing down to origonal
stream channel. Sides shall be sloped
at a 1.5:1 ratio all bear soil shall be
stablized and covered.
Start work at this side
12%
Slope

Site Photos

Figure 1. Site number 1, fill material in the Class II WLPZ

Figure 2. Site number 2, Storage container half in the Class II WLPZ

Figure 3. Site number 3, perched fill outside the WLPZ but above Class II Stream

Figure 4. Site number 4, fill crossing on a Class III Watercourse

Figure 5. Site number 5, Domestic water drafting intake and spring

Figure 6. Site number 5, Skid/ATV trail crossing

Figure 7. Site number 6, fill crossing on Class II Watercourse

Figure 8. Site number 7, fill crossing on a Class III Watercose part of fow diverted down the road to Site 6

Figure 9. Site number 8, road drainage needed, rolling dip location

Figure 10. Site number 9, road drainage needed, rolling dip location

No photo available for Site number 10

Figure 11. Site number 11, road drainage needed; rolling dip location the bank on the left side of the photo will need a dich excavated through it.

Figure 12. Site number 12, Woody Debris mixed with overhanging loose fill

Figure 13. Site number 13, road drainage needed, rolling dip location

Figure 14. Site number 14, generator without fuel containment in front of storage barn

Figure 15. Site number 14, fuel storage tank without containment

Figure 16. Site number 15, road drainage needed, Install 18" ditch relief culvert.

Figure 17. Site number 16, road drainage needed, rolling dip location

Figure 18. Site number 17, road drainage needed, rolling dip location

Figure 19. Site number 18. Woody debris

Figure 20. Site number 19, lower graded pad

Figure 21. Site number 20, main drainage path of lower graded flat

Figure 22. Site number 21, road drainage needed, rolling dip location

Figure 23. Site number 22, fill material eroding into the Class III watercourse at the point it leaves the inboard dich

Figure 24. Site number 23, Class III diverted down inside dich below the house, photo taken looking upstream

Figure 25. Site numbers 23 & 24, a French drain will be installed in the inside ditch to accommodate drainage from the Class III watercourse. Photo was taken looking downstream toward Site number 22; The Soil pile at Site number 24 is visible in the far middle of the photo.

No Photo available for Site number 25 Woody debris are scattered to the Southeast of the house.

Figure 26. Site number 26, road drainage needed, rolling dip location

Figure 27. Site Number 27, Woody debris pile

Figure 28. Site number 28, past cannabis debris pile

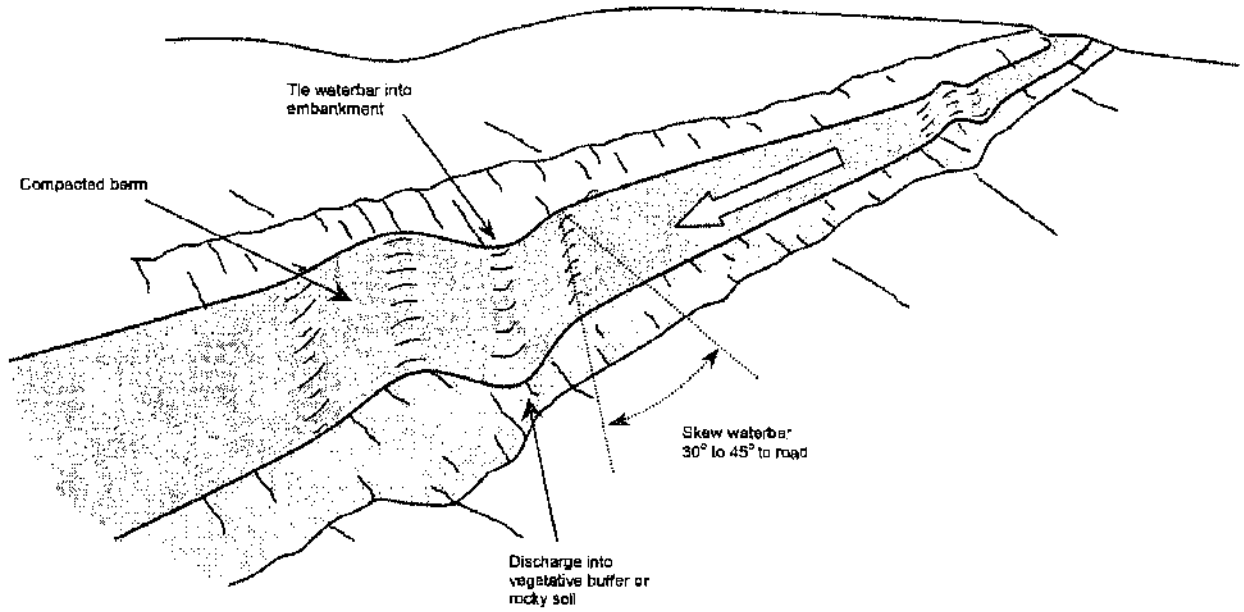
Figure 29. Site number 29, road drainage needed, rolling dip location

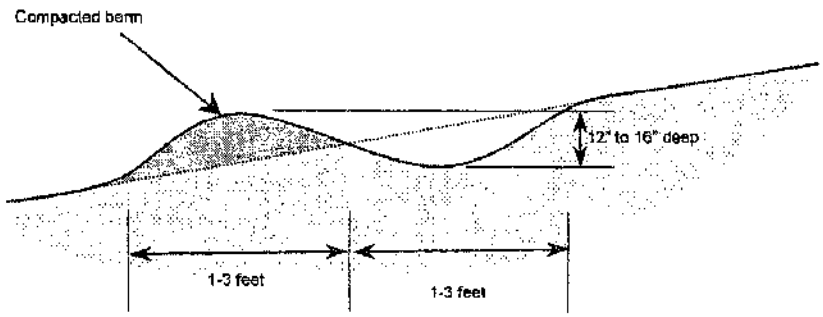
Figure 30. Site number 30, inside dich leading to the culvert inlet at Site 31

Figure 31. Site number 31 as seen from the road, the Class II crossing currently contains a 24" by 50' long culvert that is rusted at the outlet. The Culvert is currently functional but is likely to fail in the future if left as is. Crossing shall be replaced with a 40" by 60' long culvert

Figure 32. Site number 31, culvert outlet is above steam grade and rusted through in multiple places

No Photo available for Site number 32, debris were very similar to those found at Site 28

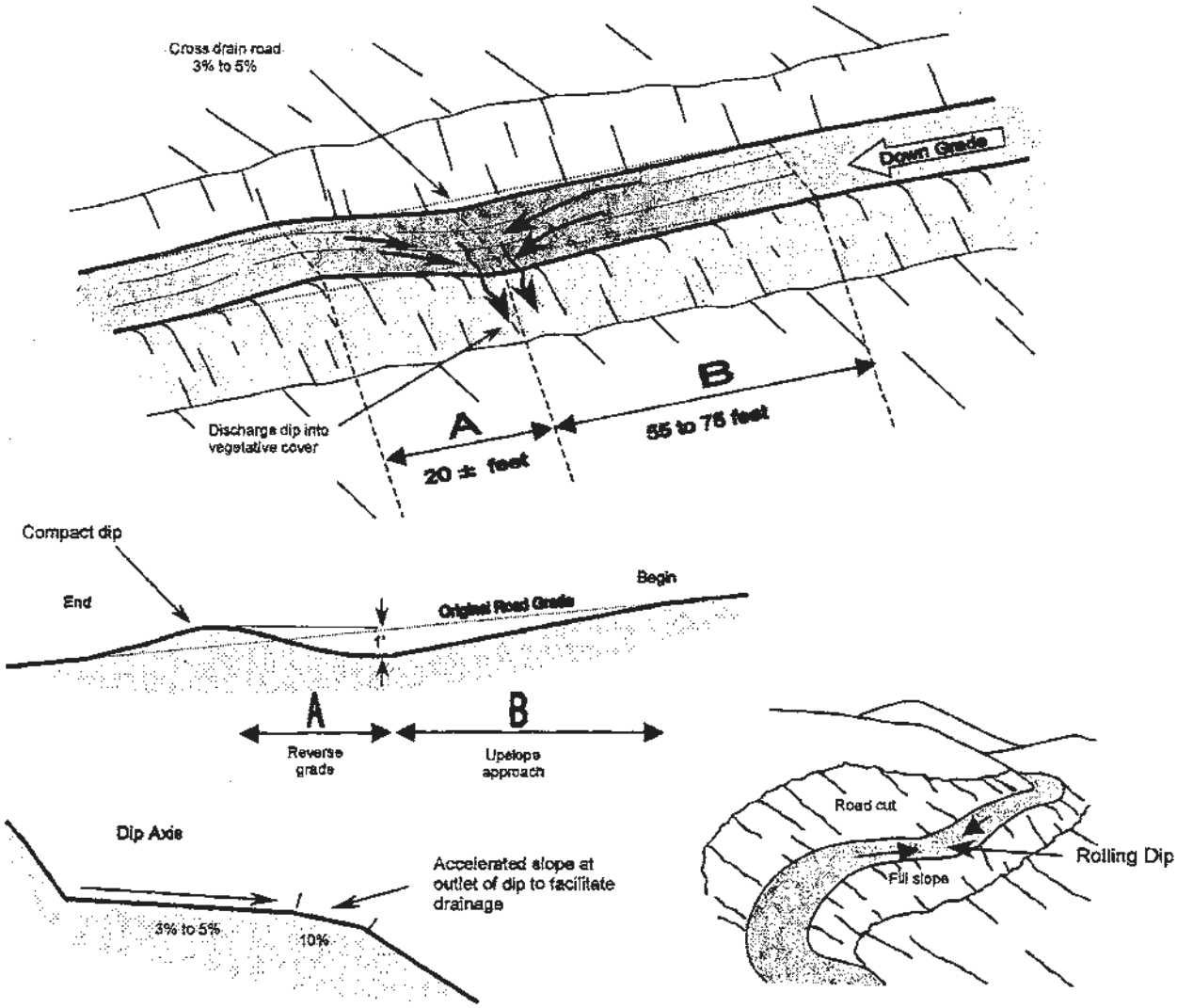




NOTES

1. Identify waterbar locations that take advantage of natural drainage features and minimize the amount of disturbance required for waterbar construction
2. All waterbars shall begin at the intersection of the roadbed surface and the cut slope and run the entire width of the road surface prism.
3. Waterbar length shall not exceed 1.5 times the width of the road surface.
4. Acceptable waterbars shall be skewed 30 to 45 degrees.
5. All waterbars shall have free flowing outlets with minimum 2% grade in the bottom of the channel that discharge onto vegetative surfaces or less erodible material where possible.
6. Native materials used to construct downslope berm shall be compacted with equipment to minimize wear resulting from trespass and/or administrative use.
7. Waterbar depth measured from the bottom of the waterbar channel to the top of the compacted berm must be between 12" and 16" high.
8. Compacted waterbars must be passable in a 4WD vehicle unless otherwise specified in the contract or by a logging supervisor in writing.

WATERBAR STANDARD PLAN	Standard Detail

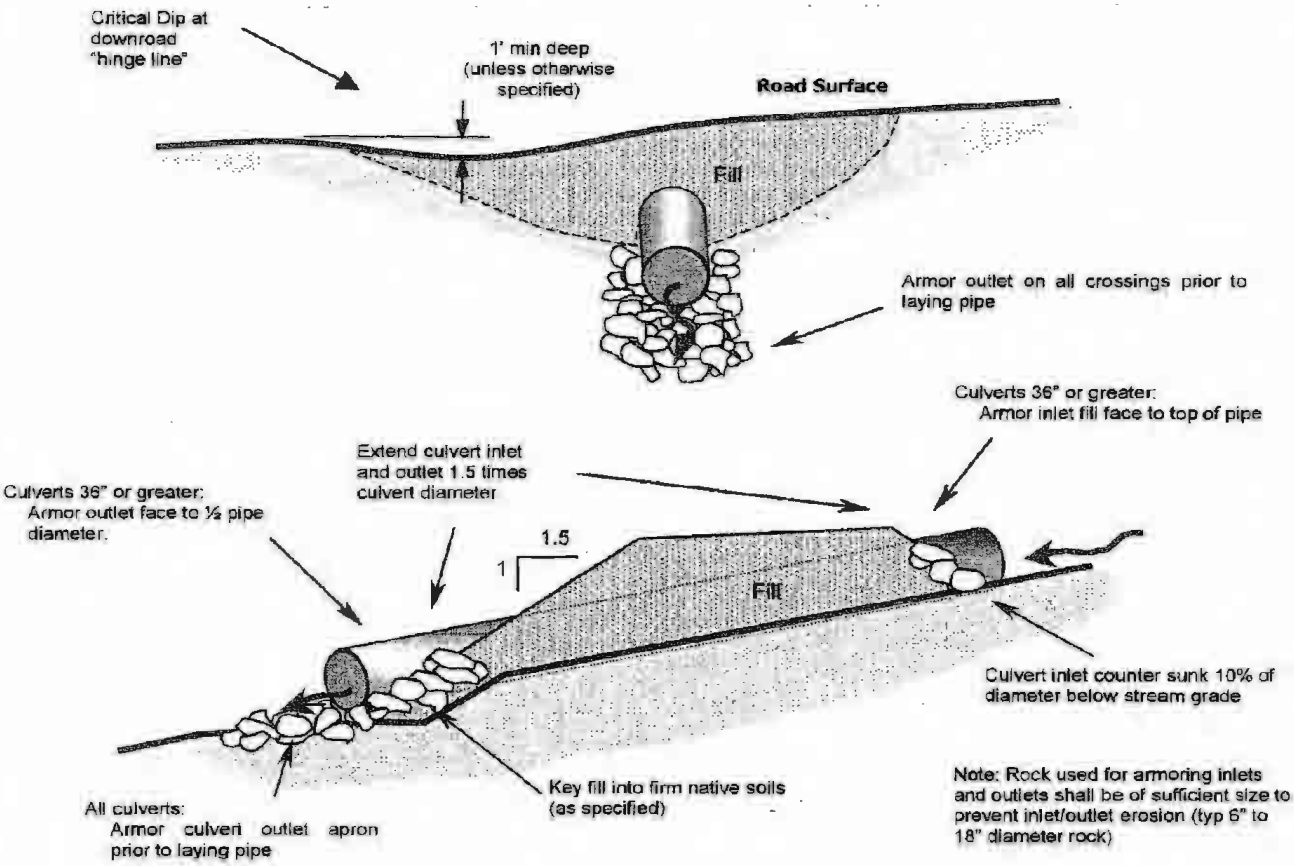


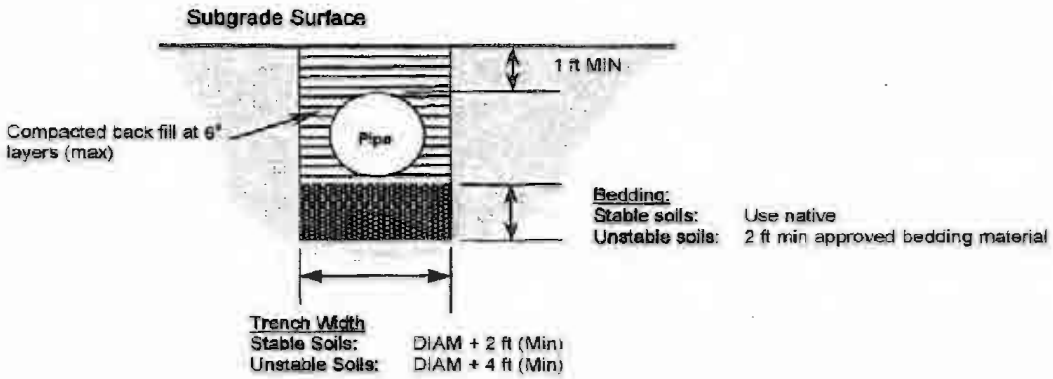
ROLLING DIP DIMENSIONS					
		MAIN LINE ROAD		SECONDARY ROAD	
Road Grade (%)	Depth of trough Depth below downslope crest (ft)	A: Reverse grade (Distance from trough to downroad crest (ft)	B: Upslope Approach Distance from up-road start of rolling dip to trough (ft)	A: Reverse grade (Distance from trough to downroad crest (ft)	B: Upslope Approach Distance from up-road start of rolling dip to trough (ft)
<6	1.0	20	65	15	55
6 - 8	1.0	20	75	15	65

NOTES:

- A rolling dip is a broad long permanent dip constructed into native soils. It is intended to drain the road while not significantly impeding traffic.
- The cross drain road (outslope) at 3% to 5%
- Dip outlets should be located to drain into areas with adequate sediment filter quality and non-erodible material such as rock, slash, brush, etc. Where specified, the bottom of the outfall of the dip will be surface rocked.
- Where natural slopes exceed 50%, fill shall not be pushed over the dip outlet. A backhoe or excavator may be required to pull back fill at outlet of existing dips.

	ROLLING DIP STANDARD PLAN	Standard Detail





Notes:

- The culvert bed shall be clean and free of large woody debris and large rocks.
- Unsuitable foundation material (highly plastic material – "blue goo") shall be excavated below the invert elevation of the culvert to an approximate depth of 2 feet and a width of at least the culvert diameter plus 4 feet.
- Unsuitable material shall be replaced with selected granular foundation material and compacted to obtain a uniform foundation.
- Select mineral soil shall be used for culvert backfill. The back fill shall be free of lumps, chunks, highly plastic material, and organic materiel
- No rocks greater than 3" in any dimension placed closer than 1 foot to the culvert.
- Back fill shall be compacted to a degree greater than the surrounding soils. Soil moisture shall be adequate to achieve suitable compaction
- See Text for more detail

	PERMANENT WATERCOURSE CROSSING STANDARD PLAN	Standard Detail

Determination of 100-Year Flood Flow

Location: Miranda Restoration Plan

(Enter data in fields with red-colored headings. Other data fields will be calculated automatically.)

Magnitude and Frequency Method for 100-year flood flow (A > 100 acres)

No.	Crossing	Area (acres) A	Basin maximum elevation (ft)*	Crossing elevation (ft)*	Area (mi^2) A	Avg. Annual Precipitation (in/yr) P	Index (mean basin elevation)	100-yr flood flow Q_{100} (cfs) North Coast[1] (NC)	Sierra[2] (S)	North-east[3] (NE)	Central Coast[4] (CC)
1	*Site 31*	16.5	3480	3020	0.026	71	3250	*21.8*	*22.0*	*38.0*	*35.2*
2											
3											

*To estimate discharges for bridges, use elevations along watercourse at 85 percent and 10 percent of water-course length from crossing to drainage divide, respectively, instead of using maximum and crossing elevations.

See below for M&F equations

Rational Method for 100-year flood flow (A < 200 acres)

No.	Crossing	$T_c = 60(11.9 \times L^3)/H)^{0.385}$ Channel length (to top of basin) (mi) L	Elevation difference (ft) H	Concentration time (min) Tc	$Q_{100} = CiA$ Runoff coefficient C	100-year Return-Period Precipitation (in/hr) I*	Area (acres) A	100-yr flood flow (cfs) Q100
1	*Site 31*	0.26	460	*3*	0.4	3.83	16.5	*25.3*
2								
3								

*Use 100-yr precipitation of duration similar to T or 60 min, whichever is larger; convert to in/hr for input as I

Magnitude & Frequency Q_{100} equations

NC (1) $Q_{100} = 48.5(A)^{0.868}(P)^{0.326}$

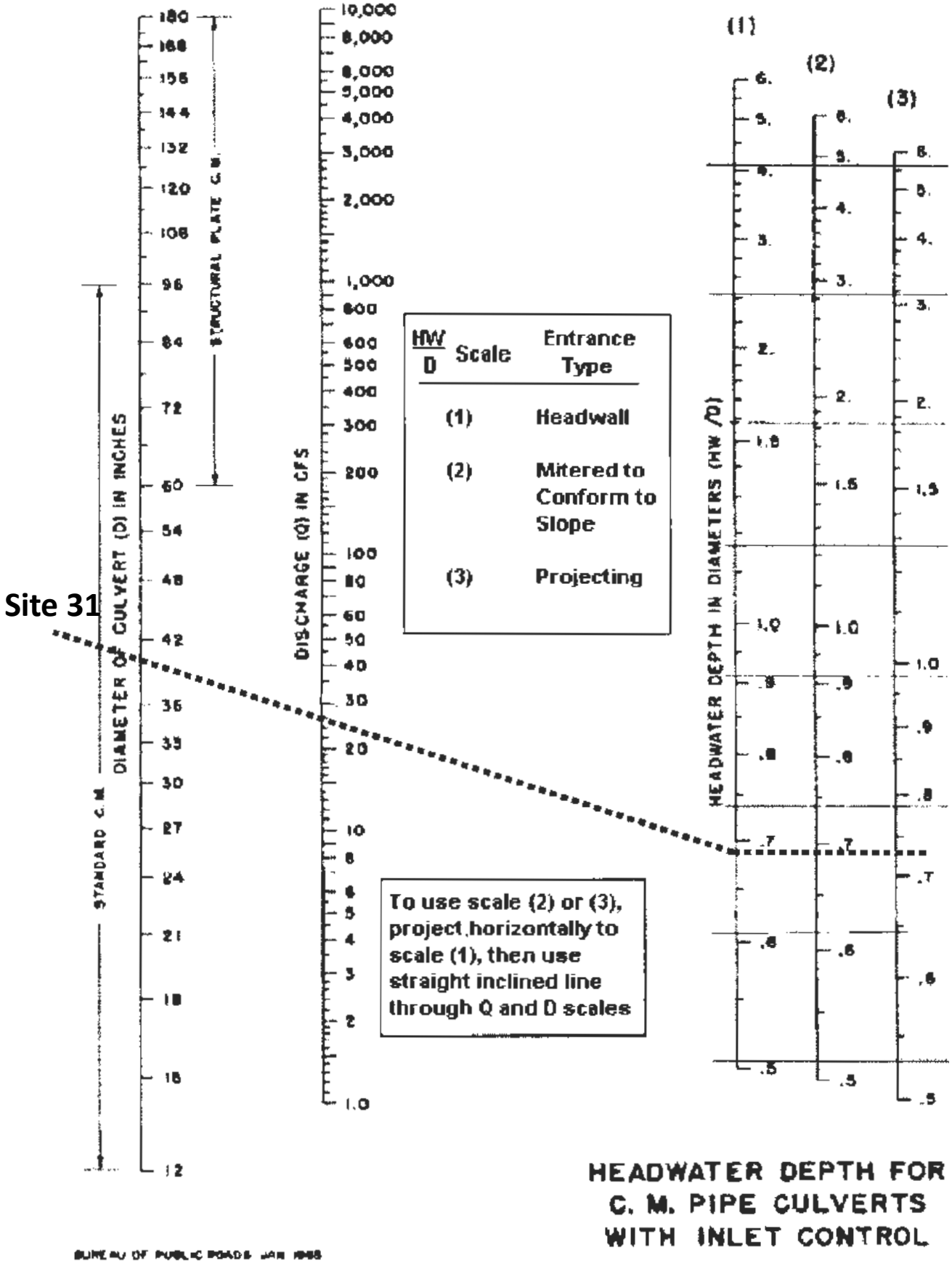
S (2) $Q_{100} = 20.6(A)^{0.919}(P)^{1.04}(H)^{-0.385}$

NE (3) $Q_{100} = 0.713(A)^{0.729}(P)^{1.58}$

CC (4) $Q_{100} = 11.0(A)^{0.84}(P)^{0.994}$

New q100calcstmplthandout.xlsx, Q100 calculations (2) Page 1 of 1 4/22/2019 1:12 PM

Miranda Project Culvert Sizing Diagram



COUNTY OF HUMBOLDT
CODE ENFORCEMENT UNIT
3015 H Street
Eureka, California 95501
(707) 476-2429

NOTICE OF VIOLATION AND PROPOSED ADMINISTRATIVE CIVIL PENALTY

[Humboldt County Code §352-7]

Address of Affected Property:
Larabee Buttes A Rd, Bridgeville, CA 95526

Assessor's Parcel Number:
210-054-009-000

To Owner:
Moriah D Miranda
48 Johnson Ln
Carlotta, CA 95528

NOTICE IS HEREBY GIVEN that conditions described in "Attachment A – Conditions Constituting a Violation" exist on property situated in the County of Humboldt, State of California, as described in "Attachment B – Legal Description," which are in violation of state law and/or the Humboldt County Code. Such conditions exist to an extent that constitutes a "violation" pursuant to Humboldt County Code Section 352-3(t).

YOU ARE HEREBY ORDERED to **CORRECT** or **OTHERWISE REMEDY** said violation within ten (10) calendar days after service of this Notice of Violation and Proposed Administrative Civil Penalty.

NOTICE IS FURTHER GIVEN that, if the required corrective action or actions set forth in "Attachment A – Conditions Constituting a Violation" is not commenced, prosecuted and completed within ten (10) calendar days after service of this Notice of Violation and Proposed Administrative Civil Penalty, a daily administrative penalty of **Twenty Thousand Dollars ($20,000)** will be imposed for a period of up to ninety (90) calendar days pursuant to Humboldt County Code Section 352-5.

NOTICE IS FURTHER GIVEN that each calendar day the violation occurs, continues or exists between the date on which the civil administrative penalty is imposed and the date on which the violation is corrected or otherwise remedied shall constitute a separate violation up to the ninetieth (90th) calendar day.

APN: 210-054-009-000

NOTICE IS FURTHER GIVEN that you may file with the Code Enforcement Unit an appeal of the determination that a violation has occurred or exists and/or the amount of the proposed administrative civil penalty within ten (10) calendar days after service of this Notice of Violation and Proposed Administrative Civil Penalty.

NOTICE IS FURTHER GIVEN that an appeal of the Code Enforcement Unit's determination that a violation has occurred or exists and/or the amount of the proposed administrative civil penalty must be prepared using the form attached hereto as "Attachment C -- Administrative Civil Penalty Appeal Hearing Request Form," and signed under penalty of perjury.

NOTICE IS FURTHER GIVEN that, upon receipt of an appeal of the determination that a violation has occurred or exists and/or the amount of the proposed administrative civil penalty, the Code Enforcement Unit shall set the matter for hearing before a County appointed hearing officer and issue a Notice of Administrative Civil Penalty Appeal Hearing as set forth in Humboldt County Code Section 352-9.

NOTICE IS FURTHER GIVEN that the date of the Administrative Civil Penalty Appeal Hearing shall be no sooner than fifteen (15) calendar days after the date on which the Notice of Administrative Civil Penalty Appeal Hearing is served.

NOTICE IS FURTHER GIVEN that the imposition of the administrative civil penalty shall become final and the Code Enforcement Unit shall acquire jurisdiction to collect the full amount thereof, along with any and all administrative costs and/or attorney's fees associated therewith, as follows:

- Within ten (10) calendar days after service of this Notice of Violation and Proposed Administrative Civil Penalty, if an appeal of the Code Enforcement Unit's determination that a violation has occurred, and/or an appeal of the amount of the administrative civil penalty, is not filed; or

- Within twenty (20) calendar days after service of the Finding of Violation and Order Imposing Administrative Civil Penalty, if a request for judicial review of the Hearing Officer's imposition of the final administrative civil penalty is not filed with the Humboldt County Superior Court as set forth in California Government Code Section 53069.4(b)(1)-(2); or

- Within ten (10) calendar days after service of the Humboldt County Superior Court's decision regarding the hearing officer's imposition of the final administrative civil penalty, if the Court finds in favor of the Code Enforcement Unit.

NOTICE IS FURTHER GIVEN that the final administrative civil penalty, along with any and all administrative costs and/or attorney's fees associated therewith, may become a lien against the property on which the violation occurred or exists that has the same force, effect and priority of a judgment lien governed by the provisions of California Code of Civil Procedure Sections 697.310, et seq., and may be extended as provided in California Code of Civil Procedure Sections 683.110, et seq.

NOTICE IS FURTHER GIVEN that an additional Notice of Violation and Proposed Administrative Civil Penalty can be served upon you, if the violation occurs, continues or exists after ninety (90) days from the date on which the initial civil administrative penalty is imposed.

For the Humboldt County Code Enforcement Unit:

Signature: _____ Title: Investigator

Name: Brian Bowes Date: March 29, 2019

APN: 210-054-009-000

ATTACHMENT A
CONDITIONS CONSTITUTING A VIOLATION

Code Section(s)	Nature of Violation	Conditions Causing Nuisance	Violation Category (1-4)	Proposed Civil Administrative Penalty
314-55.4.3	Violation of the Commercial Cannabis Land Use Ordinance	Unpermitted commercial cannabis operation with approximately 12,410 square feet of cultivation.	4	$10,000 per day
331-14; 314-55.4.3	Grading without Permits; Facilities/Activities in Violation of the Commercial Cannabis Land Use Ordinance	Development without permits in or around 2016 of one graded flat in excess of 50 cubic yards of cut/fill to facilitate commercial cannabis cultivation activity.	4	$10,000 per day

APN: 210-054-009-000

ATTACHMENT B
LEGAL DESCRIPTION

PARCEL ONE

The Northwest Quarter of the Southwest Quarter of Section 23, Township 1 North, Range 4 East, Humboldt Base and Meridian.

EXCEPTING THEREFROM that portion thereof described as follows:

BEGINNING at the Northwest corner of said Northwest Quarter of the Southwest Quarter;

thence along the North line of said Northwest Quarter of the Southwest Quarter, South 87 degrees 45 minutes 32 seconds East, 159.74 feet to the centerline of the easement described in Parcel 2 of the Deed to the United States of America, recorded April 3, 1967, in Book 917, Page 337, Humboldt County Official Records;

thence along said centerline,

South 0 degrees 30 minutes East, 53.75 feet,
South 13 degrees 30 minutes East, 45 feet,
South 34 degrees West, 215 feet,
South 4 degrees 30 minutes East, 50 feet,
South 41 degrees 30 minutes East, 45 feet,
South 27 degrees East, 45 feet,
South 58 degrees 30 minutes East, 75 feet,
North 81 degrees East, 75 feet,
South 78 degrees 30 minutes East, 75 feet,
South 36 degrees East, 75 feet,
South 6 degrees 30 minutes West, 75 feet,
South 50 degrees 30 minutes West, 75 feet,
North 88 degrees West, 75 feet,
North 74 degrees West, 85 feet,
North 70 degrees 30 minutes West, 110 feet and
North 56 degrees 30 minutes West, 32.60 feet to the West line of said Section 23;

thence along the Section line, North 0 degrees 39 minutes 02 seconds West to the point of beginning.

TOGETHER WITH that certain Declaration of Grant and Reservation of Easement executed by the Bank of California, a national association, recorded June 16, 1967, in Book 925, Page 171, Humboldt County Official Records.

APN: 210-054-009-000

PARCEL TWO

An easement over the following described land for a water pipe or pipes, a pump or pumps and related items for the conveyance of water, together with the right to lay, install and maintain said pipes, pumps and related items:

That portion of the Northeast Quarter of the Southeast Quarter of Section 22, Township 1 North, Range 4 East, Humboldt Base and Meridian, described as follows:

BEGINNING at a point on the Section line between Sections 22 and 23, Township 1 North, Range 4 East, Humboldt Base and Meridian, which is North 1 degree 55 minutes 30 seconds West 150.41 feet from the Southeast corner of the Northeast Quarter of the Southeast Quarter of said Section 22, as described on the Record of Survey filed in Book 16 of Surveys, Page 85, Humboldt County Records;

thence from said point of beginning North 1 degree 55 minutes 30 seconds West, 63.78 feet along said Section line;

thence North 75 degrees 51 minutes West, 38.00 feet;

thence South 49 degrees 44 minutes West, 37.60 feet;

thence South 36 degrees 52 minutes East, 20.30 feet;

thence South 55 degrees 10 minutes East, 25.30 feet;

thence South 62 degrees 33 minutes East, 39.14 feet to the point of beginning.

TOGETHER WITH the exclusive and permanent right to take and use all of the water from a certain spring located on said land.

APN: 210-054-009-000

ATTACHMENT C
ADMINISTRATIVE CIVIL PENALTY APPEAL HEARING REQUEST FORM

Address of Affected Property:
Larabee Buttes A Rd, Bridgeville, CA 95526

Assessor's Parcel Number:
210-054-009-000

To: Humboldt County Code Enforcement Unit
3015 H Street
Eureka California, 95501

Pursuant to Humboldt County Code Section 352-9, I am requesting a hearing to contest the Humboldt County Code Enforcement Unit's determination of the amount of the proposed administrative civil penalty for the above-referenced property.

[Brief statement setting forth the interest that the requesting party has in the Code Enforcement Unit's determination that a violation has occurred or exists on the affected property]: _____

_____

_____

_____

[Brief statement of the material facts that the requesting party claims support the contention that the amount of the proposed administrative civil penalty is inappropriate under the circumstances, if applicable]: _____

_____

_____

_____

_____

[Brief statement of the material facts that the requesting party claims support the contention that the amount of the proposed administrative civil penalty is inappropriate under the circumstances, if applicable]: _____

_____

_____

_____

_____

[Address at which the requesting party agrees to accept service of any additional notices or documents relating to the Code Enforcement Unit's determination of the amount of the proposed administrative civil penalty for the above-referenced property.]:

Name: _____

Address: _____

City, State: _____

Telephone Number: _____

I hereby declare under the penalty of perjury, under the laws of the State of California, that the foregoing is true and correct to the best of my knowledge.

Signature: _____

Name: _____

Date: _____

APN: 210-054-009-000

COUNTY OF HUMBOLDT
CODE ENFORCEMENT UNIT
3015 H Street
Eureka, California 95501
(707) 476-2429

NOTICE TO ABATE NUISANCE

[Humboldt County Code §351-7]

Address of Affected Property:
Larabee Buttes A Rd, Bridgeville, CA 95526

Assessor's Parcel Numbers:
210-054-009-000

Owners:
Moriah D Miranda
48 Johnson Ln
Carlotta, CA 95528

NOTICE IS HEREBY GIVEN that conditions described in "Attachment A – Conditions Constituting a Nuisance" exist on property situated in the County of Humboldt, State of California, as described in "Attachment B – Legal Description," which are in violation of state law and/or the Humboldt County Code. Such conditions exist to an extent that constitutes a "nuisance" pursuant to Humboldt County Code Section 351-3.

YOU ARE HEREBY ORDERED to **ABATE** said nuisance within ten (10) calendar days after service of this Notice to Abate Nuisance.

NOTICE IS FURTHER GIVEN that, if the Humboldt County Code Enforcement Unit determines that the condition or conditions causing said nuisance is imminently dangerous to human life or limb or is detrimental to the public health or safety, the Code Enforcement Unit may order that the affected property be vacated pending the correction or abatement of the condition or conditions causing the nuisance.

NOTICE IS FURTHER GIVEN that you may not retaliate against a lessee of the affected property pursuant to Section 1942.5 of the California Civil Code.

NOTICE IS FURTHER GIVEN that you may file with the Code Enforcement Unit an appeal of the determination that a nuisance exists on the affected property within ten (10) calendar days after service of this Notice to Abate Nuisance.

APN: 210-054-009-000

NOTICE IS FURTHER GIVEN that an appeal of the Code Enforcement Unit's determination that a nuisance exists on the affected property must be prepared using the form attached hereto as "Attachment C – Code Enforcement Appeal Hearing Request Form."

NOTICE IS FURTHER GIVEN that, upon receipt of an appeal of the determination that a Nuisance exists on the affected property, the Code Enforcement Unit shall set the matter for hearing before a County appointed hearing officer and issue a Notice of Code Enforcement Appeal Hearing as set forth in Humboldt County Code Section 351-9.

NOTICE IS FURTHER GIVEN that the date of the Code Enforcement Appeal Hearing shall be no sooner than fifteen (15) calendar days after the date on which the Notice of Code Enforcement Appeal Hearing is served.

NOTICE IS FURTHER GIVEN that, if the required corrective action or actions set forth in "Attachment A – Conditions Constituting a Nuisance" is not commenced, prosecuted and completed within ten (10) calendar days after service of this Notice to Abate Nuisance, or in case of an appeal, the time limits set forth in the Finding of Nuisance and Order of Abatement, the Code Enforcement Unit may correct or abate the condition or conditions causing the nuisance on the affected property pursuant to Humboldt County Code Section 351-13.

NOTICE IS FURTHER GIVEN that the costs of the required abatement may become a charge against the affected property and made a special assessment against the property, and that said special assessment may be collected at the same time and in the same manner, and shall be subject to the same penalties, interest and procedures of foreclosure and sale in the case of delinquency, as is provided for ordinary property taxes.

NOTICE IS FURTHER GIVEN that the costs of the required abatement may also become a charge against the affected property which has the same force, effect and priority of a judgment lien governed by the provisions of California Code of Civil Procedure Sections 697.310, et seq., and may be extended as provided in California Code of Civil Procedure Sections 683.110, et seq.

NOTICE IS FURTHER GIVEN that any personal property collected by the Code Enforcement Unit during the correction or abatement of the condition or conditions causing the nuisance on the affected property may be sold in the same manner as surplus personal property of the County of Humboldt, and the proceeds from such sale shall be paid into the revolving fund created pursuant to the provisions of the Humboldt County Code.

For the Humboldt County Code Enforcement Unit:

Signature: _____ Title: Investigator

Name: Brian Bowes Date: March 29, 2019

APN: 210-054-009-000

ATTACHMENT A
CONDITIONS CONSTITUTING A NUISANCE

Code Section(s)	Nature of Violation	Conditions Causing Nuisance	Corrective Action Required
314-55.4.3	Violation of the Commercial Cannabis Land Use Ordinance	Unpermitted commercial cannabis operation with approximately 12,410 square feet of cultivation.	Cease all commercial cannabis cultivation operations and remove all cannabis and infrastructure supporting commercial cannabis including water infrastructure and power sources.
331-14; 314-55.4.3	Grading without Permits; Facilities/Activities in Violation of the Commercial Cannabis Land Use Ordinance	Development without permits in or around 2016 of one graded flat in excess of 50 cubic yards of cut/fill to facilitate commercial cannabis cultivation activity.	Submit and obtain approval for a restoration plan that restores/revegetates the graded area(s) to pre-violation conditions. Obtain all permits needed for restoration, complete the approved work, and pass a final inspection.

APN: 210-054-009-000

ATTACHMENT B
LEGAL DESCRIPTION

PARCEL ONE

The Northwest Quarter of the Southwest Quarter of Section 23, Township 1 North, Range 4 East, Humboldt Base and Meridian.

EXCEPTING THEREFROM that portion thereof described as follows:

BEGINNING at the Northwest corner of said Northwest Quarter of the Southwest Quarter;

thence along the North line of said Northwest Quarter of the Southwest Quarter, South 87 degrees 45 minutes 32 seconds East, 159.74 feet to the centerline of the easement described in Parcel 2 of the Deed to the United States of America, recorded April 3, 1967, in Book 917, Page 337, Humboldt County Official Records;

thence along said centerline,

South 0 degrees 30 minutes East, 53.75 feet,
South 13 degrees 30 minutes East, 45 feet,
South 34 degrees West, 215 feet,
South 4 degrees 30 minutes East, 50 feet,
South 41 degrees 30 minutes East, 45 feet,
South 27 degrees East, 45 feet,
South 58 degrees 30 minutes East, 75 feet,
North 81 degrees East, 75 feet,
South 78 degrees 30 minutes East, 75 feet,
South 36 degrees East, 75 feet,
South 6 degrees 30 minutes West, 75 feet,
South 50 degrees 30 minutes West, 75 feet,
North 88 degrees West, 75 feet,
North 74 degrees West, 85 feet,
North 70 degrees 30 minutes West, 110 feet and
North 56 degrees 30 minutes West, 32.60 feet to the West line of said Section 23;

thence along the Section line, North 0 degrees 39 minutes 02 seconds West to the point of beginning.

TOGETHER WITH that certain Declaration of Grant and Reservation of Easement executed by the Bank of California, a national association, recorded June 16, 1967, in Book 925, Page 171, Humboldt County Official Records.

APN: 210-054-009-000

PARCEL TWO

An easement over the following described land for a water pipe or pipes, a pump or pumps and related items for the conveyance of water, together with the right to lay, install and maintain said pipes, pumps and related items:

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thence from said point of beginning North 1 degree 55 minutes 30 seconds West, 63.78 feet along said Section line;

thence North 75 degrees 51 minutes West, 38.00 feet;

thence South 49 degrees 44 minutes West, 37.60 feet;

thence South 36 degrees 52 minutes East, 20.30 feet;

thence South 55 degrees 10 minutes East, 25.30 feet;

thence South 62 degrees 33 minutes East, 39.14 feet to the point of beginning.

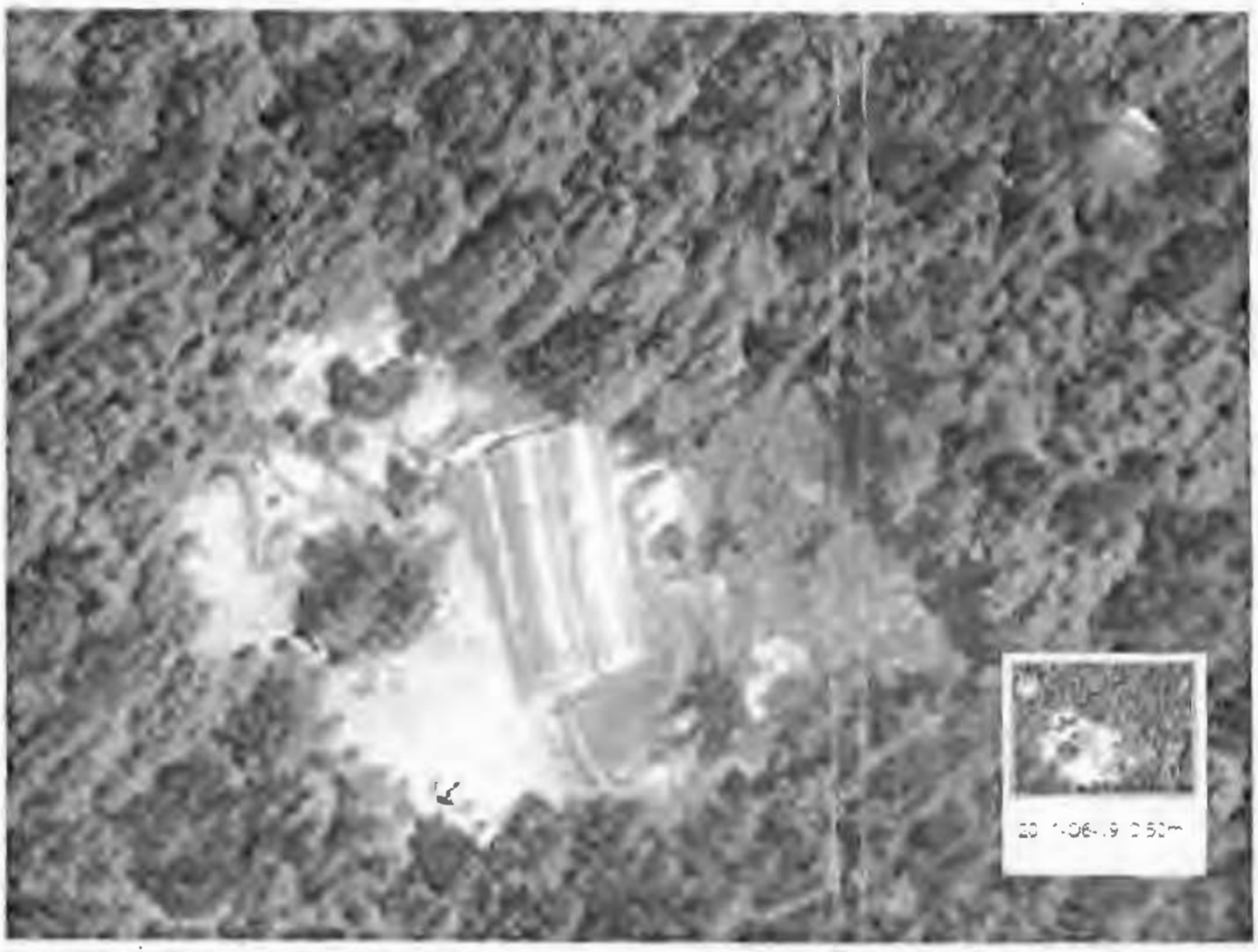
TOGETHER WITH the exclusive and permanent right to take and use all of the water from a certain spring located on said land.

APN: 210-054-009-000

Recent Site History APN: 210-054-009-000

Cultivation Site 2010

Recent Site History APN: 210-054-009-000



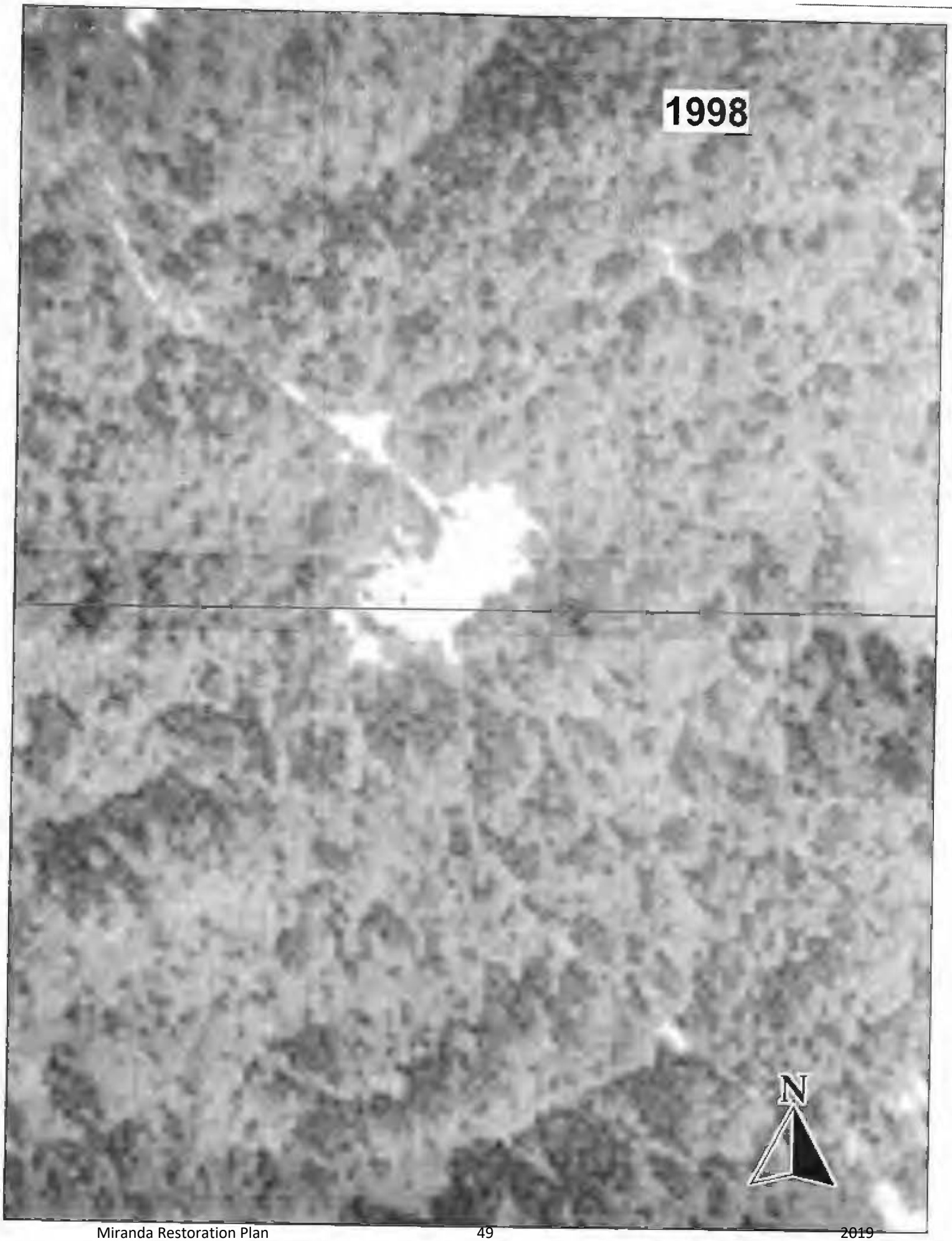
June 19, 2011

Recent Site History APN: 210-054-009-000

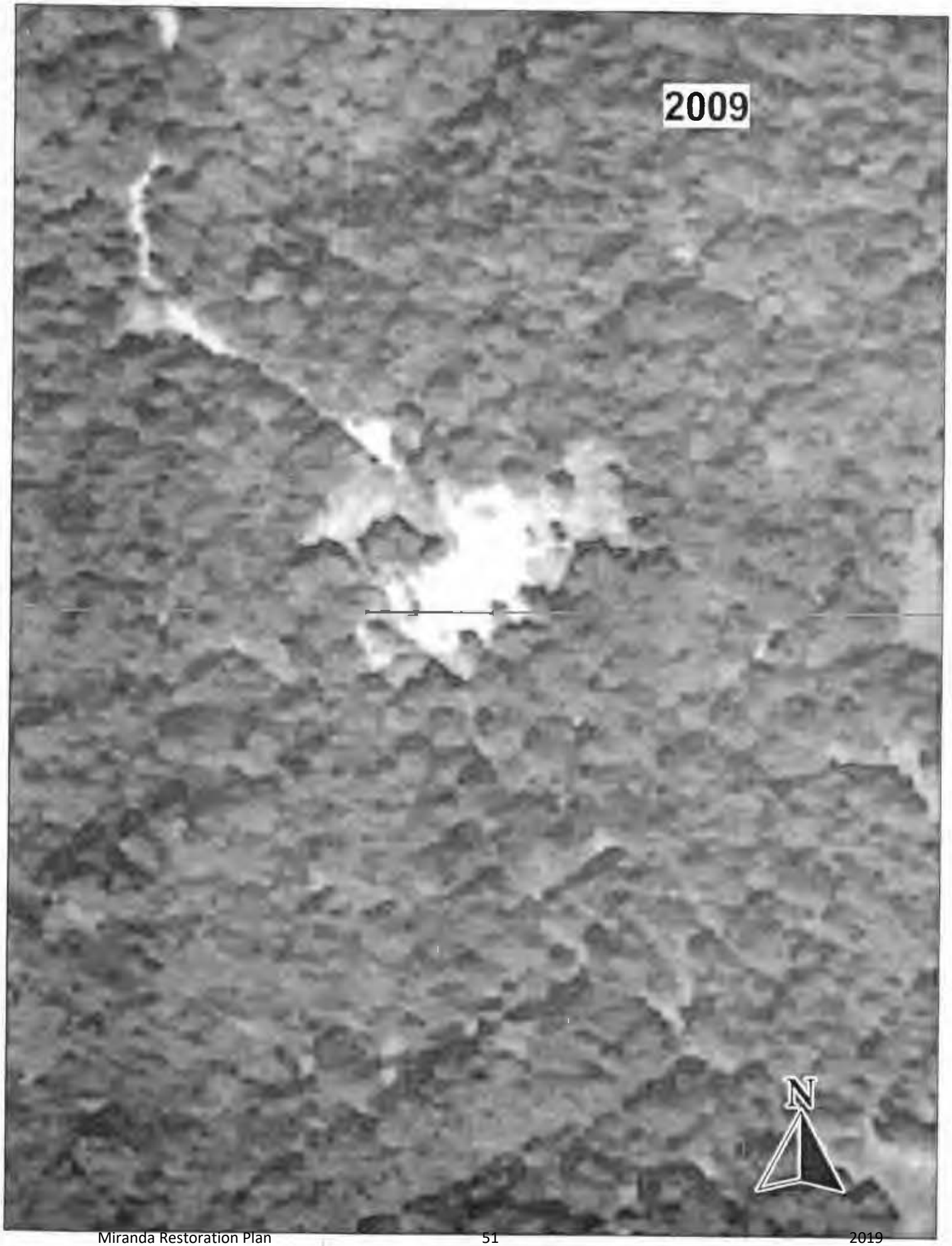
July 10, 2018

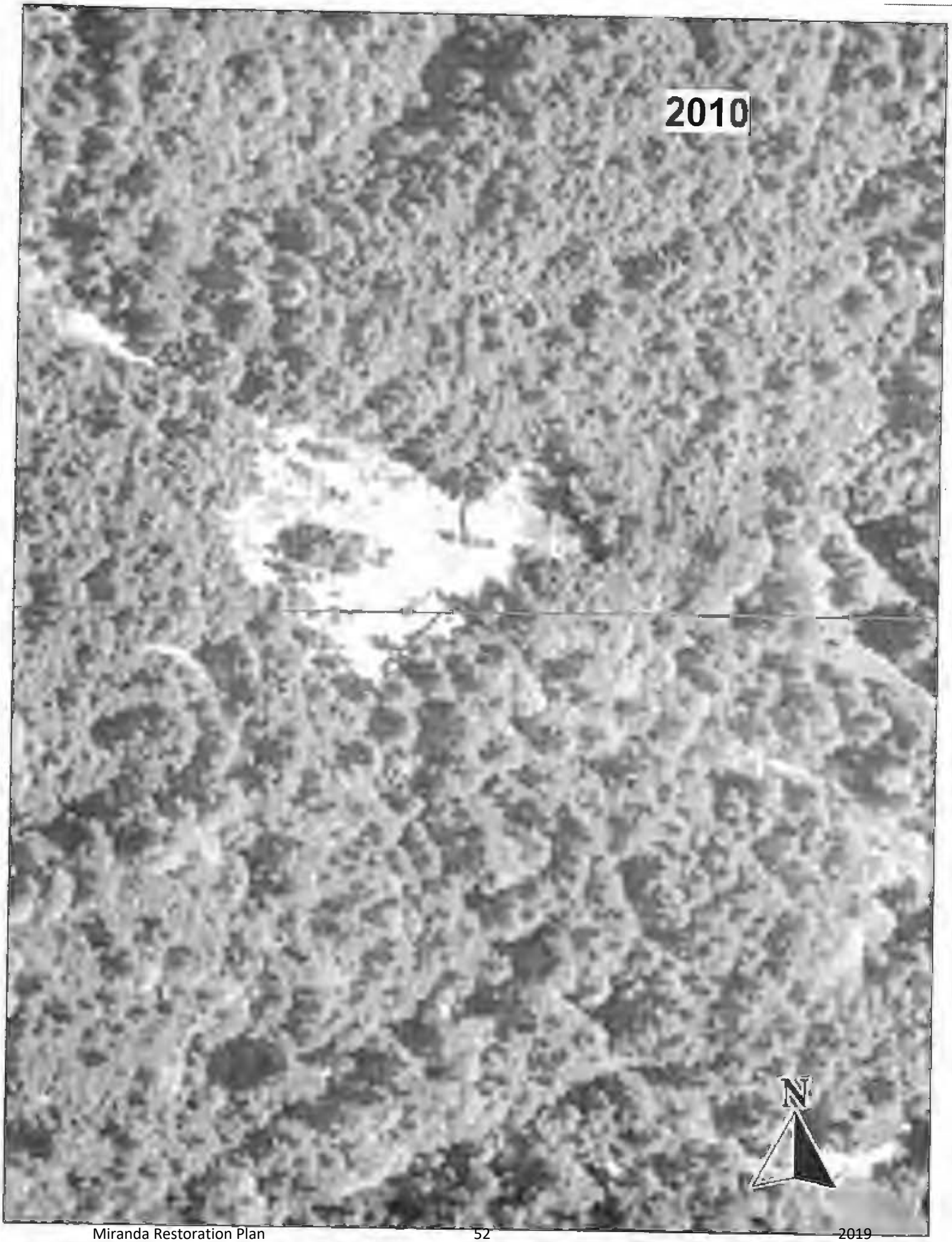
Recent Site History APN: 210-054-009-000

May 23, 2018


1998
N

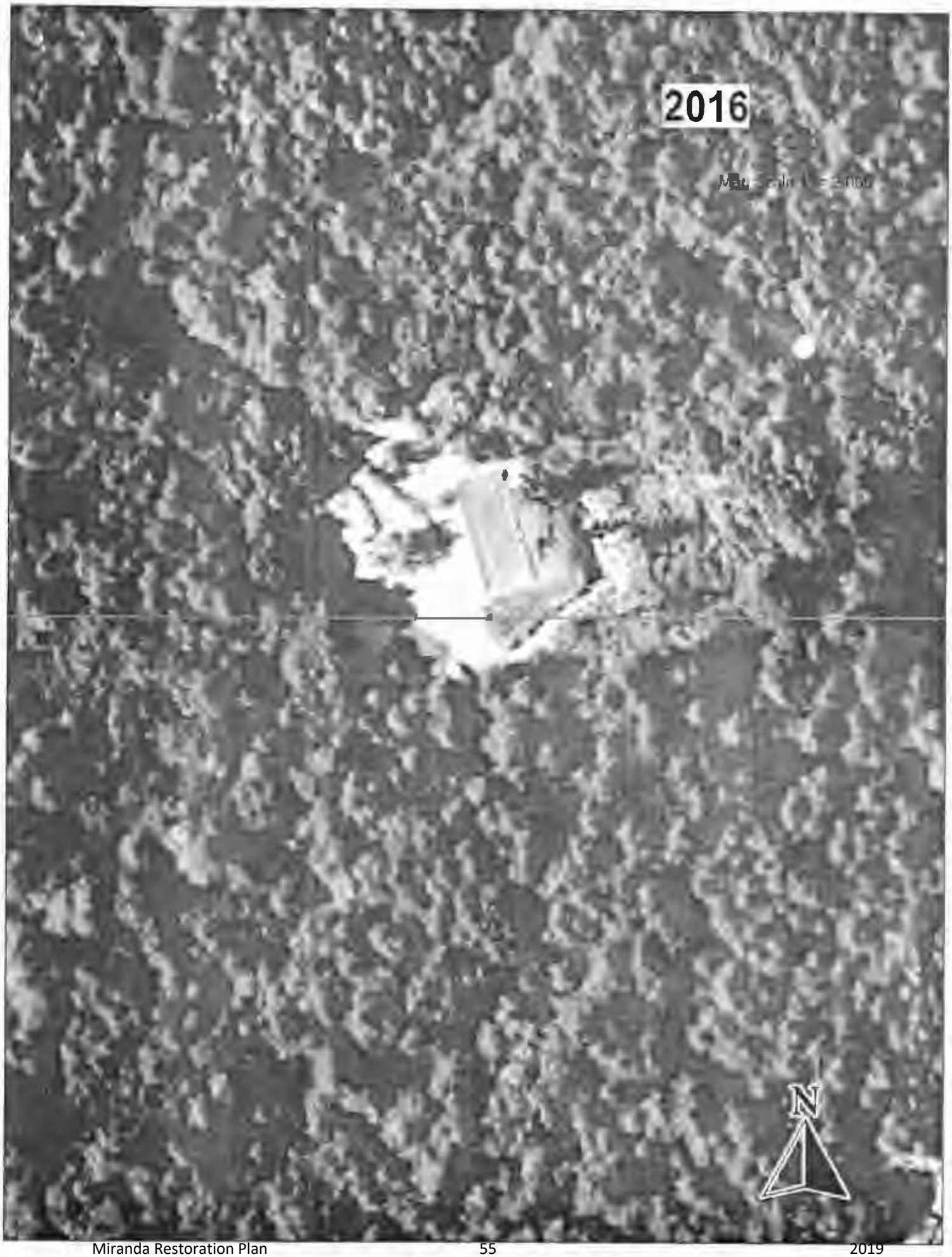
2005
N


2009
N


2010
N

2012
N

2014
N


2016
N

PARCELQUEST

✓ 1 Property Address BRIDGEVILLE CA 95526

Ownership

County:	**HUMBOLDT, CA**
Assessor:	**MARI WILSON, ASSESSOR**
Parcel # (APN):	**210-054-009-000**
Parcel Status:	**ACTIVE**
Owner Name:	**MIRANDA MORIAH D**
Mailing Address:	**48 JOHNSON LN CARLOTTA CA 95528-9716**
Legal Description:	

Assessment

Total Value:	**$64,657**	Use Code:	**9939**	Use Type:	**TIMBER**
Land Value:	**$62,244**	Tax Rate Area:	**060-000**	Zoning:	**U**
Impr Value:	**$2,413**	Year Assd:	**2018**	Census Tract:	**109.02/1**
Other Value:		Property Tax:	**$672.10**	Price/SqFt:	
% Improved:	**3%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:				**12/13/1996**
Document Number:				**1996R028221**
Document Type:				
Transfer Amount:				
Seller (Grantor):				

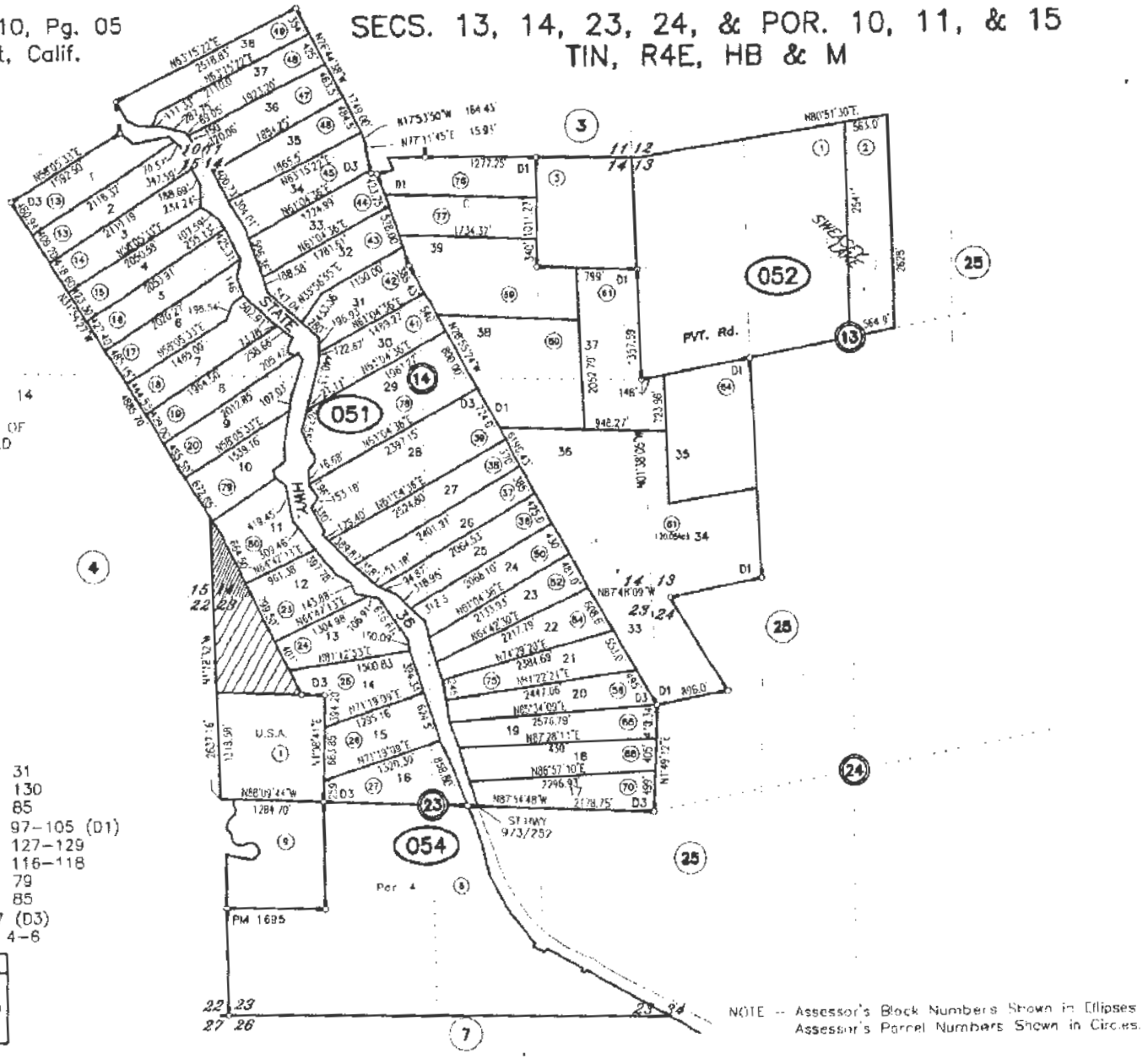
Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**38.500**	Spaces:		Site Influence:	
Lot SqFt:	**1,677,060**	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					

Assessor's Maps Bk. 210, Pg. 05
County of Humboldt, Calif.

SECS. 13, 14, 23, 24, & POR. 10, 11, & 15
T1N, R4E, HB & M

210–05



NOTE: BLOCK 051 INCLUDES SEC 14 & DEERFIELD RANCH.
BLOCK 054 INCLUDES ALL OF SEC. 23, NOT IN DEERFIELD RANCH

RS, BK. 13 of SURVEYS, Pg 31
RS, BK. 15 of SURVEYS, Pg 130
RS, BK. 16 of SURVEYS, Pg 85
RS, BK. 22 of SURVEYS, Pgs 97–105 (D1)
RS, BK. 22 of SURVEYS, Pgs 127–129
RS, BK. 23 of SURVEYS, Pgs 116–118
RS, BK. 24 of SURVEYS, Pg 79
RS, BK. 59 of SURVEYS, Pg 85
PM3, BK. 1 of PM, Pgs. 5–7 (D3)
PM1695, BK. 15 of PM, Pgs 4–6

ASSESSOR'S PARCEL MAP
1. THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY
2. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN
3. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES

NOTE -- Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles.

300' 600' 1200'

RD Via D.M.B.P. Dec 21, 2018 RUSSELL DUTRA

POD GIS Map

Humboldt County Planning and Building Department

Printed: June 10, 2019

Web AppBuilder 2.0 for ArcGIS

Map Disclaimer:
While every effort has been made to assure the accuracy of this information, it should be understood that it does not have the force & effect of law, rule, or regulation. Should any difference or error occur, the law will take precedence.

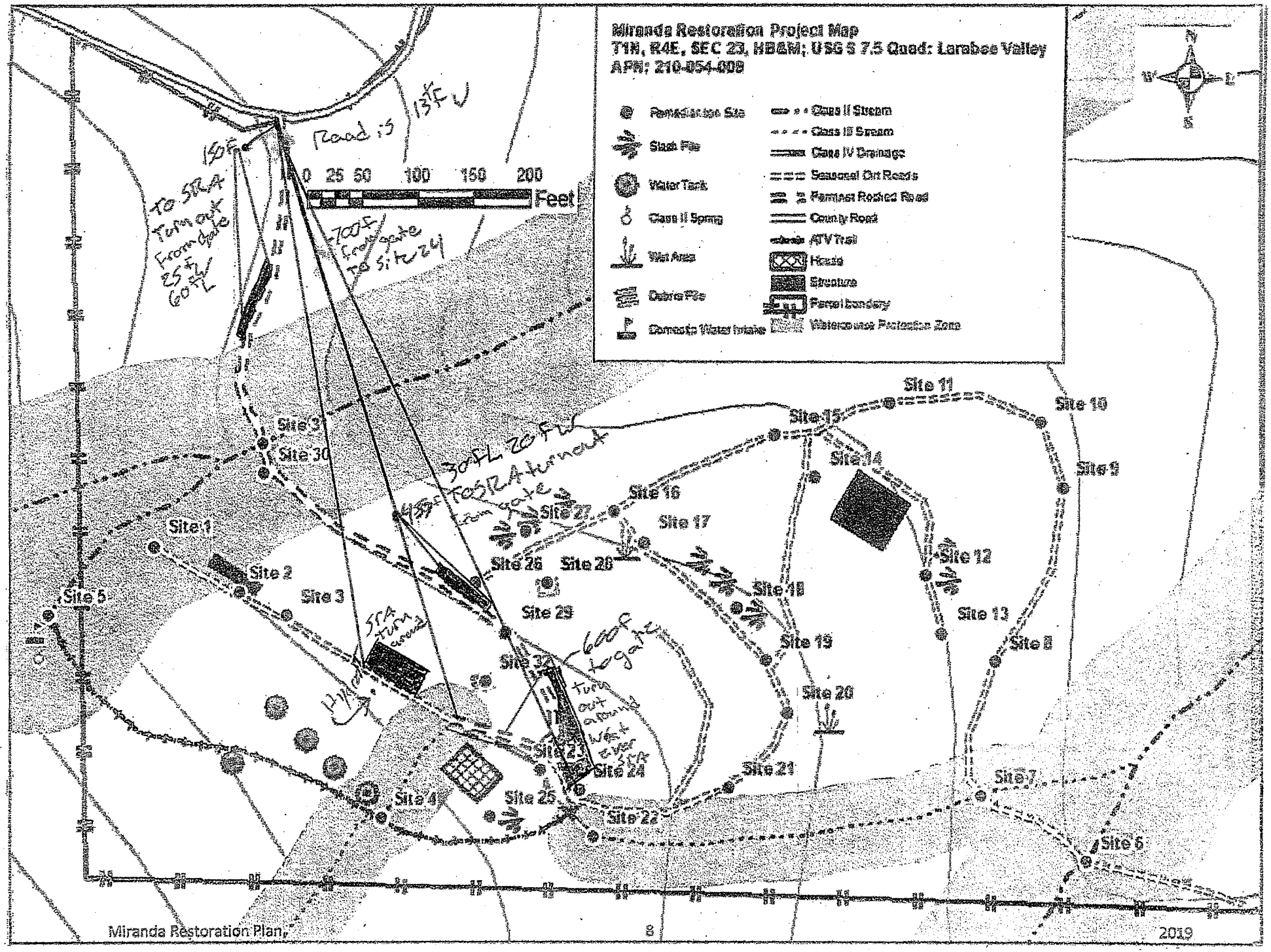
Highways and Roads
- Principal Arterials
- Minor Arterials
- Major Collectors
- Minor Collectors
- Local Roads
- Private or Unclassified
- Major River or Stream

Blue Line Streams
- Perennial 1-3
- Perennial >4
- Intermittent
- Subsurface
- City Boundary
- Counties
- Parcels (Owners)

0 180 360 720 Feet
0 0.0325 0.065 0.13 Miles
RF= 1:4,514 1 in = 376 ft

N W E S

Sources: Humboldt County GIS
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community


Miranda Restoration Project Map
T1N, R4E, SEC 23, HB&M; USGS 7.5 Quad: Larabee Valley
APN: 210-054-009
Permission Site
Slash Pile
Water Tank
Class II Spring
Wet Area
Debris Pile
Domestic Water Intake
Class II Stream
Class III Stream
Class IV Drainage
Seasonal Dirt Roads
Permanent Rocked Road
County Road
ATV Trail
House
Structure
Parcel boundary
Watercourse Protection Zone
0 25 50 100 150 200
Feet
N
W
E
S
Road is 13FW
15F
To SRA Turnout From gate 25FL 60FW
700F from gate to Site 24
30FL 20FW
45F to SRA turnout from gate
SRA turn around
600F to gate
Turn out around West end SRA
Site 1
Site 2
Site 3
Site 4
Site 5
Site 6
Site 7
Site 8
Site 9
Site 10
Site 11
Site 12
Site 13
Site 14
Site 15
Site 16
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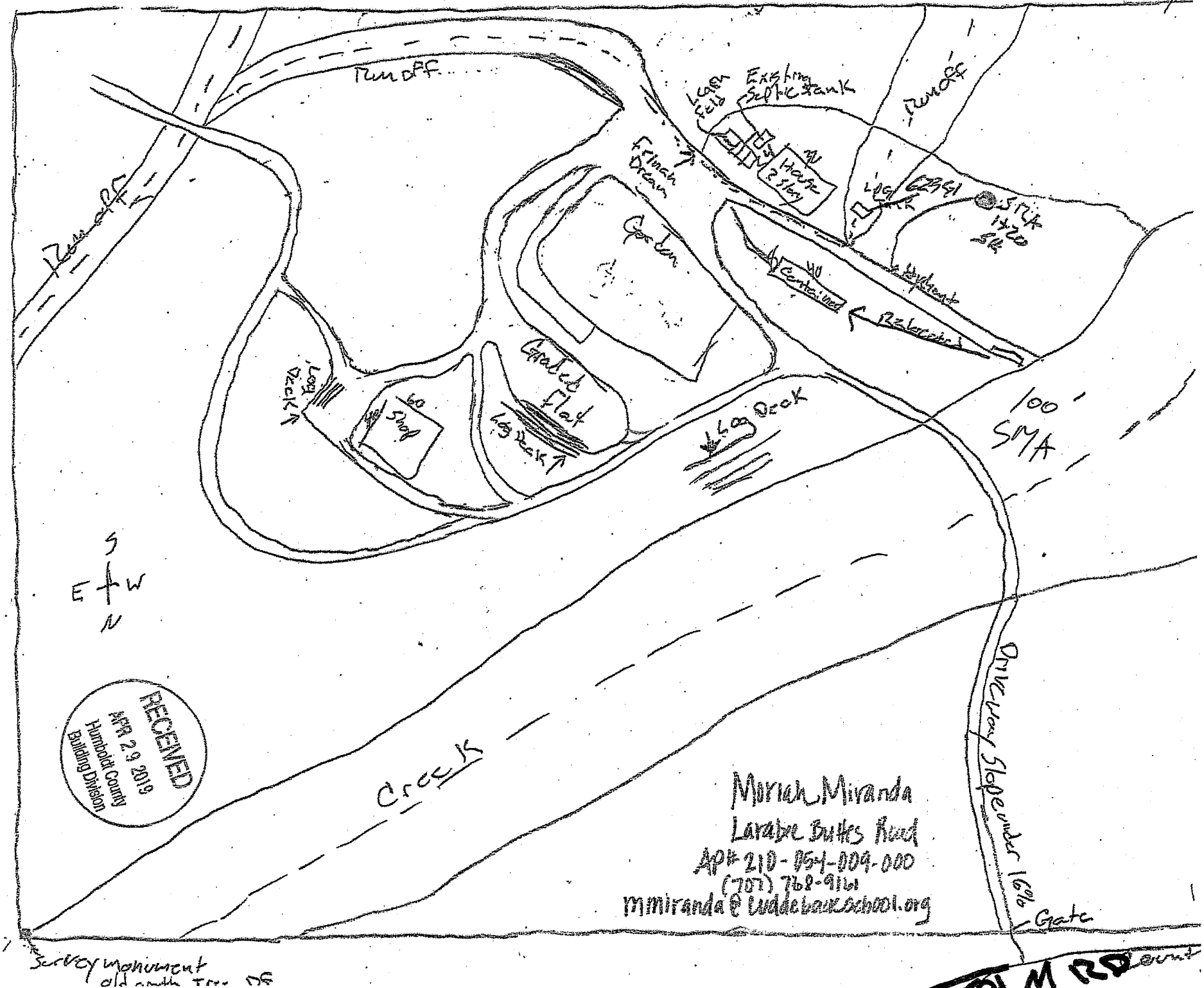
Site 30
Site 31
Site 32

REVISED

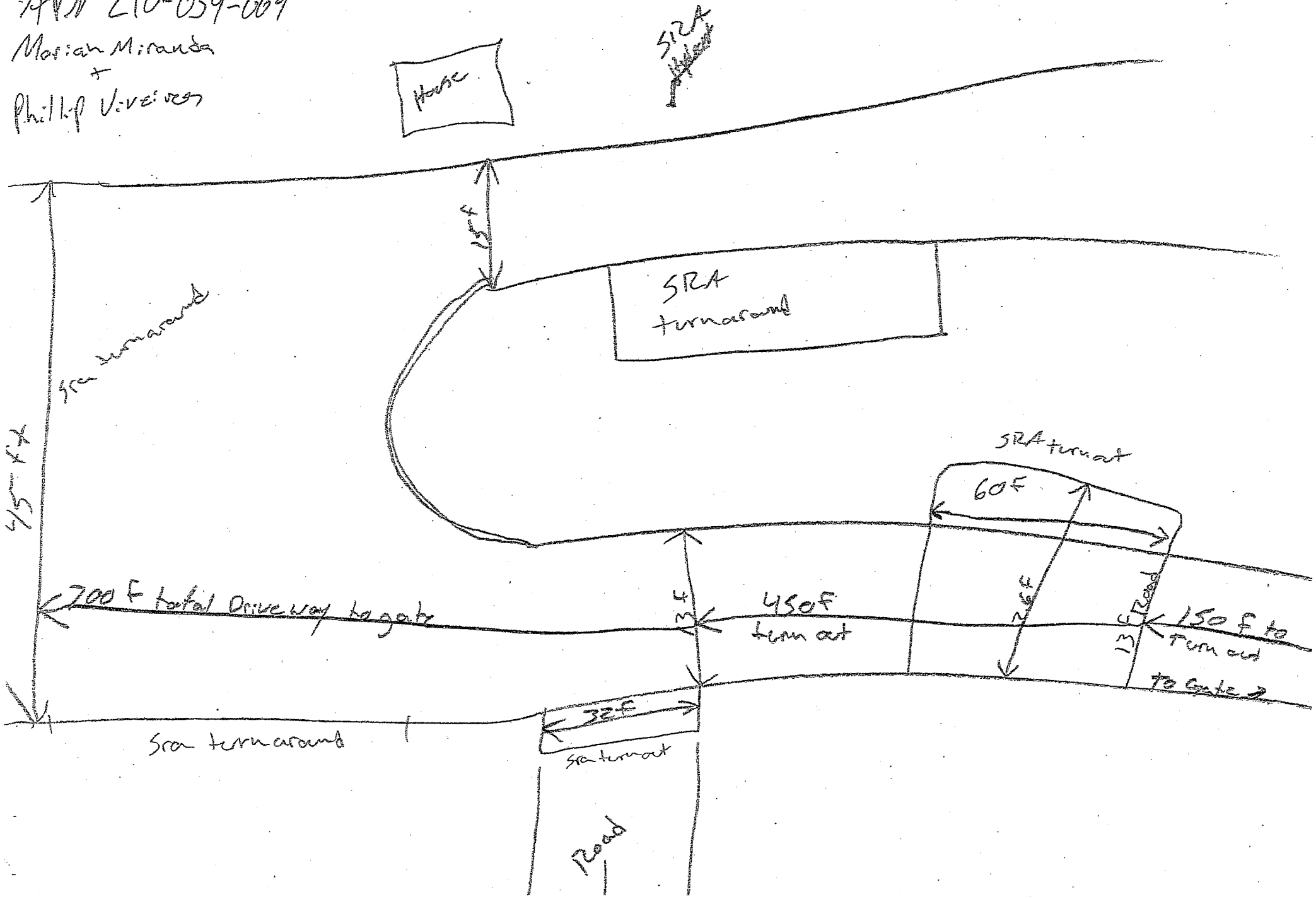
Survey



Mariah Miranda
Larabee Butts Road
APN 210-054-009-000
(707) 768-9161
mmiranda@luddebaucschool.org

RECEIVED
APR 29 2019
Humboldt County
Building Division

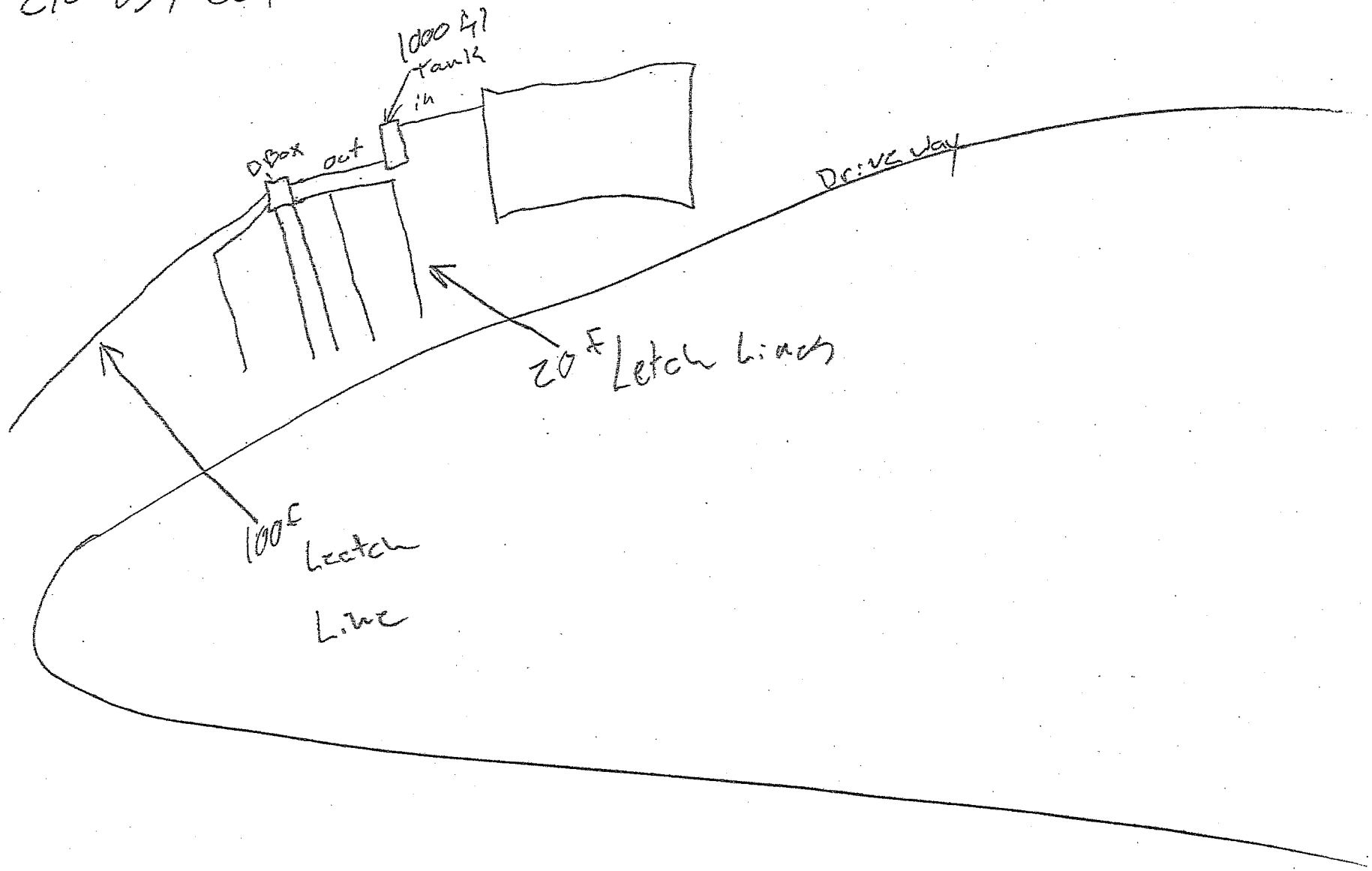
[illegible] Road-Driveway
+ turnouts
APN 210-054-009
Marian Miranda
+
Phillip Viveiros



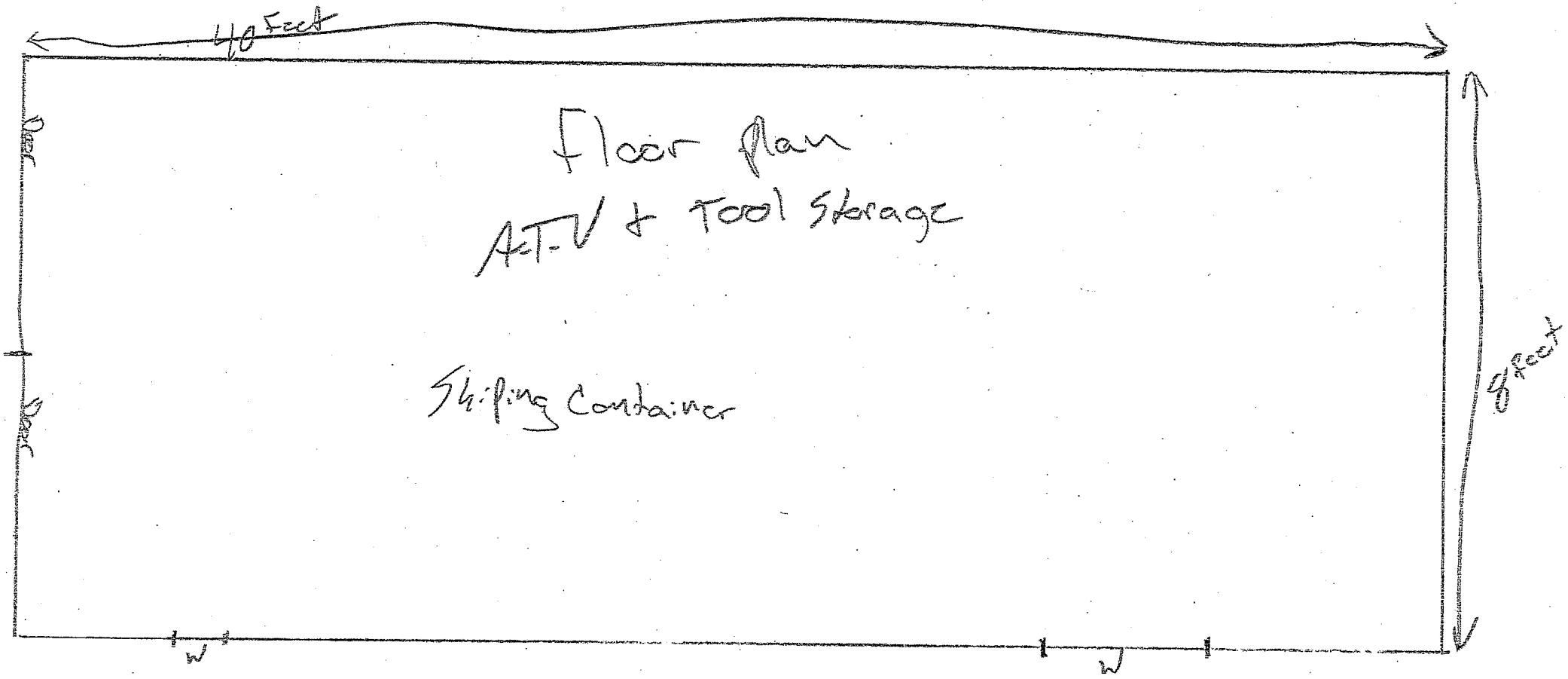
Victoria Miranda + Phillip Viveiros

APN: 210-054-009

Septic System



Miranda Morian & Philip Vieira
APN # 210-054-009



CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE
REGION 1 – NORTHERN REGION
619 Second Street
Eureka, CA 95501

STREAMBED ALTERATION AGREEMENT
NOTIFICATION NO. 1600-2019-0430-R1
Unnamed Tributaries to Butte Creek, Tributary to Little Van Duzen River, Van Duzen River, Eel River and the Pacific Ocean

Moriah Miranda
Miranda Water Diversion and Stream Crossings Project
6 Encroachments

This Lake or Streambed Alteration Agreement (Agreement) is entered into between the California Department of Fish and Wildlife (CDFW) and Moriah Miranda (Permittee).

RECITALS

WHEREAS, pursuant to Fish and Game Code (FGC) section 1602, the Permittee initially notified CDFW on May 24, 2019 and revised on July 3, 2019, and August 16, 2019 that the Permittee intends to complete the project described herein.

WHEREAS, pursuant to FGC section 1603, CDFW has determined that the project could substantially adversely affect existing fish or wildlife resources and has included measures in the Agreement necessary to protect those resources.

WHEREAS, the Permittee has reviewed the Agreement and accepts its terms and conditions, including the measures to protect fish and wildlife resources.

NOW THEREFORE, the Permittee agrees to complete the project in accordance with the Agreement.

PROJECT LOCATION

The project to be completed is located within the Butte River watershed, approximately 5.37 miles SE of the town of Bridgeville, County of Humboldt, State of California. The project is located in Section 23, T1, R4, Humboldt Base and Meridian; in the Larabee Valley U.S. Geological Survey 7.5-minute quadrangle; Assessor's Parcel Number 210-054-009; latitude 40.445565 N and longitude -123.701685 W at the point of diversion (POD).

PROJECT DESCRIPTION

The project is limited to 6 encroachments (Table 1). One encroachment is for water diversion from unnamed tributaries to Butte Creek. Water is diverted for domestic use. Work for the water diversion will include use and maintenance of the water diversion

infrastructure. The five other proposed encroachments are to upgrade failing and undersized culverts. Work for these encroachments will include excavation, removal of the failing culverts, replacement with new properly sized culverts, backfilling and compaction of fill, and rock armoring as necessary to minimize erosion.

Table 1. Project Encroachments with Description

ID	Latitude/Longitude	Description
Crossing-1	40.4455, -123.7017	Excavate fill approaches 1:1:5 ratio, restore stream channel. (Notification Site 4)
Crossing-2	40.4455, -123.6998	Remove crossing fill and approaches sloped back to outside edge of the constructed channel; restore stream channel (Notification Site 6)
Crossing-3	40.4457, -123.6998	Crossing fill removed and approaches sloped back to outside edge of the constructed channel (Notification Site 7)
Crossing-4	40.4457, -123.7012	Install drainage feature (Notification Site 23)
Crossing-5	40.4464, -123.7020	Replace failing 24" diameter culvert with minimum 42" diameter culvert (Notification Site 31)
POD-1	40.4461, -123.7026	Instream water diversion for domestic use. Permittee shall **bypass 90%** of stream flow. Rate of diversion shall be no more than **3 gallons per minute**. Permittee shall implement seasonal diversion minimization and limit total daily diversion to **200 gallons per day** from **May 15 – October 31**. Permittee shall submit a **Diversion Infrastructure Plan** and a **Water Management Plan** to CDFW for approval **within 60 days** of the effective date of this Agreement.

PROJECT IMPACTS

Existing fish or wildlife resources the project could substantially adversely affect include Steelhead Trout (*O. mykiss*), Pacific Lamprey (*Entosphenus tridentata*), Southern Torrent Salamander (*Rhyacotriton variegatus*), Foothill Yellow-legged Frog *(Rana boylii),* Coastal Tailed Frog (*Ascaphus truei*), Western Pond Turtle (*Actinemys marmorata marmorata*) amphibians, reptiles, aquatic invertebrates, mammals, birds, and other aquatic and riparian species.

The adverse effects the project could have on the fish or wildlife resources identified above include:

Impacts to water quality:
increased water temperature;
reduced instream flow;

temporary increase in fine sediment transport;

Impacts to bed, channel, or bank and direct effects on fish, wildlife, and their habitat:
loss or decline of riparian habitat;
direct impacts on benthic organisms;

Impacts to natural flow and effects on habitat structure and process:
cumulative effect when other diversions on the same stream are considered;
diversion of flow from activity site;
direct and/or incidental take;
indirect impacts;
impediment of up- or down-stream migration;
water quality degradation; and
damage to aquatic habitat and function.

MEASURES TO PROTECT FISH AND WILDLIFE RESOURCES

1. Administrative Measures

The Permittee shall meet each administrative requirement described below.

1.1 Documentation at Project Site. The Permittee shall make the Agreement, any extensions and amendments to the Agreement, and all related notification materials and California Environmental Quality Act (CEQA) documents, readily available at the project site at all times and shall be presented to CDFW personnel, or personnel from another state, federal, or local agency upon request.

1.2 Providing Agreement to Persons at Project Site. The Permittee shall provide copies of the Agreement and any extensions and amendments to the Agreement to all persons who will be working on the project at the project site on behalf of the Permittee, including but not limited to contractors, subcontractors, inspectors, and monitors.

1.3 Notification of Conflicting Provisions. The Permittee shall notify CDFW if the Permittee determines or learns that a provision in the Agreement might conflict with a provision imposed on the project by another local, state, or federal agency. In that event, CDFW shall contact the Permittee to resolve any conflict.

1.4 Project Site Entry. Permittee agrees that CDFW personnel may enter the project site at any time to verify compliance with the Agreement.

1.5 Adherence to Existing Authorizations. All water diversion facilities that the Permittee owns, operates, or controls shall be operated and maintained in accordance with current law and applicable water rights.

1.6 Other Agency Permitting Requirements. The U.S. Army Corps of Engineers (Corps) has permitting requirements for certain instream projects under Section 404 of the Federal Clean Water Act. If this project features the placement of dredged or fill materials into the channels of streams (below the ordinary high water mark) that are waters of the United States, a permit may be required by the Corps. If your project needs a permit from the Corps, you will also need to obtain a Water Quality Certification pursuant to Section 401 of the Federal Clean Water Act from the Regional Water Quality Control Board (Regional Water Board). In addition, if your project will involve disturbance within or discharges of pollutants to waters of the State of California, the Regional Water Boards may require a permit, whether or not the Corps requires a permit. If there is any question regarding the possibility of the project meeting the above limitations, the Permittee should contact the Corps and the Regional Water Board prior to beginning work. This Agreement in no way represents permitting requirements by the Corps or the Regional Water Board. It is the responsibility of the Permittee to contact the Corps, and to comply with the provisions of any Section 404 permit issued, if required by the Corps. Similarly, it is the responsibility of the Permittee to contact the Regional Water Board and to comply with the provisions of any Section 401 Certification, Regional Water Board Waste Discharge Requirements or waiver of Waste Discharge Requirements issued by the Regional Water Board.

1.7 Change of Conditions and Need to Cease Operations. If conditions arise, or change, in such a manner as to be considered deleterious by CDFW to the stream or wildlife, operations shall cease until corrective measures approved by CDFW are taken. This includes new information becoming available that indicates bypass flows, diversion rates or other measures provided in this agreement are not providing adequate protection to keep aquatic life downstream in good condition or to avoid "take" or "incidental take" of federal or State listed species.

1.8 CDFW Notification of Work Initiation and Completion. The Permittee shall contact CDFW within the 7-day period preceding the beginning of work permitted by this Agreement. Information to be disclosed shall include Agreement number, and the anticipated start date. Subsequently, the Permittee shall notify CDFW no later than seven (7) days after the project is fully completed. **Notification of completion will include photographs of the completed work, erosion control measures, waste containment and disposal, and a summary of any CNDDB submissions as required below.**

1.9 Notification to the California Natural Diversity Database. If any special status species are observed at any time during the project, a qualified Biologist shall submit California Natural Diversity Data Base (CNDDB) forms to the CNDDB within five (5) working days of the sightings. A summary of CNDDB submissions shall be included with the completion notification. Forms and instructions for submissions to the CNDDB may be found at: https://www.wildlife.ca.gov/Data/CNDDB/Submitting-Data.

2. Avoidance and Minimization Measures

To avoid or minimize adverse impacts to fish and wildlife resources identified above, the Permittee shall implement each measure listed below.

2.1 Permitted Project Activities. Except where otherwise stipulated in this Agreement, all work shall be in accordance with Permittee Notification, together with all maps, Best Management Practices (BMPs), photographs, drawings, and other supporting documents submitted with the Notification and received on July 3, 2019, revised on August 16, 2019.

2.2 Listed Species. This Agreement does not allow for the take, or incidental take of any state or federal listed threatened, endangered, or candidate species. No direct or indirect impacts shall occur to any threatened or endangered species as a result of implementing the project or the project's activities. If the project could result in the "take" of a state listed threatened or endangered species, the Permittee has the responsibility to obtain from CDFW, a California Endangered Species Act Permit (CESA section 2081).

2.3 Foothill Yellow-Legged Frog (FYLF) Avoidance. To avoid take of FYLF during its CESA candidacy period, the Permittee shall:

A. Conduct a Pre-Construction Survey. Within 3-5 days prior to entering or working at the Project Site, a qualified biologist shall examine the project site to determine the presence/absence of standing or flowing water, and the presence and/or the potential for presence of FYLF adults, juveniles, tadpoles or egg masses within the project area and 150 feet upstream and downstream. Prior to commencing work, Permittee shall provide to CDFW for review preconstruction survey notes and observations.

1. If FYLF are found during the pre-construction survey, Permittee shall:

   a) Consult CDFW immediately by either telephone or e-mail and provide a short description of observations, including a count of individuals and the life stage(s), conditions at the site, and other aquatic species observed; and

   b) Either propose site-specific mitigation measures that will be utilized to avoid take, or obtain an Incidental Take Permit (ITP) if take of FYLF cannot be avoided. Instream work shall not commence until CDFW has provided written approval of the proposed avoidance measures or an ITP has been issued.

2. If no FYLFs are found during the pre-construction survey and no surface water is present in the project area, work may commence without further surveys.

3. If no FYLFs are found but surface water is present during the pre-construction survey, *or if surface water becomes present at any time during the work period*, a qualified biologist shall survey the work site each day before commencement of work activities where equipment and/or materials may come in contact with FYLFs, streams, or riparian habitat.

4. If FYLFs are observed at any time during the construction season, work in the immediate area shall be halted, CDFW immediately consulted, and conservation measures developed and agreed to by CDFW prior to recommencing work.

B. Qualified Biologist. A qualified biologist is an individual who is experienced in construction level biological monitoring, knowledgeable in the biology, natural history, habits and behaviors of the FYLF, and who is able to recognize all age classes of FYLF relative to other amphibians in the project area. A qualified biologist shall have academic and professional experience in biological sciences or resource management activities. At least 15 days prior to commencement of Project-related surveys for FYLFs, Permittee shall provide to CDFW for review and approval the names and qualifications of individuals requesting qualified biologist status.

C. Decontamination. The Permittee is responsible for ensuring all project personnel adhere to the latest version of the Northern Region California Department of Fish and Wildlife Aquatic Invasive Species Decontamination Protocol for all field gear and equipment that will be in contact with water or FYLFs. Heavy equipment and other motorized or mechanized equipment that comes in contact with water should generally follow watercraft decontamination protocols found in the AIS Decontamination Protocol.

2.4 Nesting Birds. Actively nesting birds and their nests shall not be disturbed by project activities. If construction, grading, vegetation removal, or other project-related improvements are necessary during the nesting season of protected raptors and migratory birds (**March 1 through August 15**), the Permittee shall notify CDFW of proposed work and a focused survey for bird nests and/or nesting behavior shall be conducted by a qualified biologist within seven days prior to the beginning of project-related activities. Surveys should encompass the area up to 50 feet from disturbance to account for songbirds, and up to 250 feet from disturbance for raptors. If a nest is found or suspected to be present, Permittee shall consult with CDFW regarding appropriate action to comply with the Migratory Bird Treaty Act of 1918 and Fish and Game Code. If a lapse in project-related work of seven days or longer occurs, another focused survey, and if required, consultation with CDFW shall be required before project work can be reinitiated.

Project Timing

2.5 Work Period. All work, not including diversion of water, shall be confined to the period **June 15 through October 15** of each year. Work within the active channel of a stream shall be restricted to periods of **dry weather**. Precipitation forecasts and potential increases in stream flow shall be considered when planning construction activities. Construction activities shall cease and all necessary erosion control measures shall be implemented prior to the onset of precipitation.

2.6 Extension of the Work Period. If weather conditions permit, and the Permittee wishes to extend the work period after October 15, a written request shall be made to CDFW **at least 10-working days before the proposed work period variance**. Written approval (letter or e-mail) for the proposed time extension must be received from CDFW prior to activities continuing past October 15.

2.7 Work Completion. The proposed work shall be completed by no later than **October 15, 2020**. Failure to complete work by this date may result in suspension or revocation of this Agreement. A notice of completed work, including photographs of each site, shall be submitted to CDFW within seven (7) days of project completion.

General Stream Protection Measures

2.8 Fish and Aquatic Amphibians. If possible, work shall be conducted when the affected stream channel is void of surface water. If surface water is present during construction, the Permittee shall: a) have a biologist or other qualified professional survey the site and adjacent area for fish, amphibians, and turtles three days or less before commencing project activities and b) if fish, amphibians, or turtles are detected, CDFW will be contacted and work shall not commence until authorized by a CDFW representative.

2.9 Stream Protection. No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete washings, oil or petroleum products, or other material deleterious to fish, plant life, mammals or bird life shall be allowed to enter into or be placed where it may be washed by rainfall or runoff into the stream.

2.10 No Dumping. Permittee shall not deposit, permit to pass into, or place where it can pass into a stream, lake, or other Waters of the State any material deleterious to fish and wildlife, or abandon, dispose of, or throw away within 150 feet of a stream, lake, or other Waters of the State any cans, bottles, garbage, motor vehicle or parts thereof, rubbish, litter, refuse, waste, debris, or the viscera or carcass of any dead mammal, or the carcass of any dead bird.

2.11 Maintain Aquatic Life. When any dam or other artificial obstruction is being constructed, maintained, or placed in operation, Permittee shall allow sufficient

water at all times to pass downstream to maintain aquatic life below the dam pursuant to Fish and Game Code §5937.

2.12 Equipment Maintenance. Refueling of machinery or heavy equipment, or adding or draining oil, lubricants, coolants or hydraulic fluids shall not take place within stream bed, channel and bank. All such fluids and containers shall be disposed of properly off-site. Heavy equipment used or stored within stream bed, channel and bank shall use drip pans or other devices (e.g., absorbent blankets, sheet barriers or other materials) as needed to prevent soil and water contamination.

2.13 Hazardous Spills. Any material, which could be hazardous or toxic to aquatic life and enters a stream (i.e. a piece of equipment tipping-over in a stream and dumping oil, fuel or hydraulic fluid), the Permittee shall immediately notify the California Emergency Management Agency State Warning Center at 1-800-852-7550, and immediately initiate clean-up activities. CDFW shall be notified by the Permittee within 24 hours at 707-445-6493 and consulted regarding clean-up procedures.

2.14 Clean-up. Structures and associated materials not designed to withstand high seasonal flows shall be removed to areas above the ordinary high water mark before such flows occur or the end of the yearly work period, whichever comes first. All project materials and debris shall be removed from the project site and properly disposed of off-site upon project completion.

2.15 Erosion Control Measures

2.15.1 Seed and Mulch. Upon completion of construction operations and/or the onset of wet weather, Permittee shall stabilize exposed soil areas within the work area by applying mulch and seed. Permittee shall restore all exposed or disturbed areas and access points within the stream and riparian zone by applying local native and weed free erosion control grass seeds. Locally native wildflower and/or shrub seeds may also be included in the seed mix. Permittee shall mulch restored areas using at least two to four inches of weed-free clean straw or similar biodegradable mulch over the seeded area. Alternately, Permittee may cover seeding with jute netting, coconut fiber blanket, or similar non-synthetic monofilament netting erosion control blanket.

2.15.2 Erosion and Sediment Barriers. Permittee shall monitor and maintain all erosion and sediment barriers in good operating condition throughout the work period and the following rainy season, defined herein to mean October 15 through June 15. Maintenance includes, but is not limited to, removal of accumulated sediment, replacement of damaged sediment fencing, coir rolls/logs and/or straw bale dikes and ensuring drainage structures and altered streambeds and banks remain sufficiently armored and/or stable. If the sediment barrier fails to retain sediment, Permittee

shall employ corrective measures, and notify the department immediately.

2.15.3 Cover Spoil Piles. Permittee shall have readily available erosion control materials such as wattles, natural fiber mats, or plastic sheeting, to cover and contain exposed spoil piles and exposed areas in order to prevent sediment from moving into a stream or lake. Permittee shall apply and secure these materials prior to rain events to prevent loose soils from entering a stream, lake, or other Waters of the State.

2.15.4 Prohibition on Use of Monofilament Netting. To minimize the risk of ensnaring and strangling wildlife, Permittee shall not use any erosion control materials that contain synthetic (e.g., plastic or nylon) monofilament netting, including photo- or biodegradable plastic netting. Geotextiles, fiber rolls, and other erosion control measures shall be made of loose-weave mesh, such as jute, hemp, coconut (coir) fiber, or other products without welded weaves.

Water Diversion

2.16 Maximum Diversion Rate. The maximum instantaneous diversion rate from the water intake shall not exceed **three (3) gallons per minute** (gpm) at any time.

2.17 Bypass Flow. The Permittee shall pass **90% of the flow** at all times to keep all aquatic species including fish and other aquatic life in good condition below the point of diversion.

2.18 Seasonal Diversion Minimization. No more than **200 gallons in any one day** shall be diverted (intend for household domestic use) during the low flow season from **May 15 to October 31** of each year. Water shall be diverted only if the Permittee can adhere to the maximum diversion rate and bypass flow conditions of this Agreement.

2.19 Measurement of Diverted Flow. Permittee shall install and maintain an adequate measuring device for measuring the instantaneous and cumulative rate of diversion. This measurement shall begin as soon as this Agreement is signed by the Permittee. The device shall be installed within the flow of diverted water. The Permittee shall maintain records of diversion, and provide information including, but not limited to the following:

2.19.1 A log including the date, time and quantity of water diverted from the POD.

2.19.2 The amount of water used per day for cannabis cultivation separated out from the amount of water used for other irrigation purposes and other uses of water (e.g., domestic use or fire protection).

2.19.3 Permittee shall make available for review at the request of the Department

the diversion records required by the State Water Resources Control Board (Board) in Attachment A to the Board's Cannabis Cultivation Policy (October 17, 2017), No. 84, pages 40-41 (see Cal. Code Regs., tit. 23, § 2925).

2.20 Water Management Plan. The Permittee shall submit a Water Management Plan no later than **sixty days** from the time this Agreement is made final that describes how compliance will be achieved under this Agreement. The Water Management Plan shall include details on water storage, water conservation, or other relevant material to maintain water needs in coordination with forbearance and bypass flow requirements. The Water Management Plan shall include a brief narrative describing water use on the property, photographs to support the narrative, and water use calculations to ensure compliance with this Agreement.

Water Diversion Infrastructure

2.21 Intake Structure. No polluting materials (e.g., particle board, plastic sheeting, bentonite) shall be used to construct or screen, or cover the diversion intake structure.

2.22 Intake Structure Placement. Infrastructure installed in the streambed (e.g., cistern or spring box) shall not exceed 10 percent of the active channel width and shall not be located in the deepest portion of the channel. The depth of the intake shall be no greater than one foot (12 inches) below the streambed.

2.23 Intake Screening. The Permittee shall regularly inspect, clean, and maintain screens in good condition.

2.23.1 The water intake screens shall be securely attached (e.g., threaded or clamped) to the intake line and have a minimum wetted area of 0.25 square feet.

2.23.2 The intakes screen shall be designed so that approach velocity is no more than 0.1 foot per second (fps). Approach velocity is the velocity of the water perpendicular to the screen face measured three inches in front of the screen surface.

2.23.3 A water intake screen with round openings shall not exceed 3/32-inch diameter; a screen with square openings shall not exceed 3/32-inch measured diagonally; and a screen with slotted openings shall not exceed 0.069 inches in width. Slots must be evenly distributed on the screen area.

2.23.4 The water intake screen may be constructed of any rigid material, perforated, woven, or slotted and should have a minimum of 27% open area. Stainless steel or other corrosion-resistant material is recommended to reduce clogging due to corrosion. Care should be taken not to use

materials deemed deleterious to aquatic species.

2.23.5 The screen shall be designed to distribute the flow uniformly over the entire screen area.

2.23.6 The water intake screen shall be placed in fast moving water with the long axis of the screen parallel to the streamflow. The water intake shall not be placed in pool habitat.

2.24 Intake Shall Not Impede Aquatic Species Passage. The water diversion structures shall be designed, constructed, and maintained such that they do not constitute a barrier to upstream or downstream movement of aquatic life.

2.25 Intake Maintenance. Intakes shall be kept in good repair. Intakes shall be inspected periodically and kept clean and free of accumulated algae, leaves or other debris, which could block portions of the screen surface and increase approach velocities at any point on the screen. No part of screen surfaces shall be obstructed

2.26 Exclusionary Devices. Permittee shall keep the diversion structures (e.g. cistern) covered at all times to prevent the entrance and entrapment of amphibians and other wildlife.

2.27 Diversion Intake Removal. Permittee shall plug, cap, block (e.g., with a shut-off valve), or remove all intakes at the end of each diversion season.

2.28 Heavy Equipment Use. No heavy equipment shall be used in the excavation or replacement of the existing water diversion structure. The Permittee shall use hand tools or other low impact methods of removal/replacement. All project materials and debris shall be removed from the project site and properly disposed of off-site upon project completion.

2.29 Diversion Infrastructure Plan (DIP). The Permittee shall submit a DIP for CDFW review and approval prior to diverting water. The DIP shall include a narrative describing the different elements of the water diversion infrastructure, supporting photographs and/or diagrams, and justification of how compliance with the Water Diversion Infrastructure conditions will be achieved under this Agreement.

Diversion to Storage

2.30 Water Storage. All water storage facilities (WSFs) (e.g., reservoirs, storage tanks, mix tanks, and bladders tanks) must be located outside the active 100-year floodplain and outside the top of bank of a stream. Covers/lids shall be securely affixed to water tanks at all times to prevent potential entry by wildlife. Permittee shall cease all water diversion at the point of diversion when WSFs are filled to capacity.

2.31 Water Storage Maintenance. WSFs shall have a float valve to shut off the diversion when tanks are full to prevent overflow. Water shall not leak, overflow, or overtop WSFs at any time. Permittee shall regularly inspect all WSFs and infrastructure used to divert water to storage and use and repair any leaks.

2.32 Water Conservation. The Permittee shall make best efforts to minimize water use, and to follow best practices for water conservation and management.

2.33 Limitations on Impoundment and Use of Diverted Water. The Permittee shall impound and use water in accordance with a valid water right, including any limitations on when water may be impounded and used, the purpose for which it may be impounded and used, and the location(s) where water may be impounded and used.

2.34 State Water Code. This Agreement does not constitute a valid water right. The Permittee shall comply with State Water Code sections 5100 and 1200 et seq. as appropriate for the water diversion and water storage. The application for this registration is found at: http://www.swrcb.ca.gov/waterrights/publications_forms/forms/docs/sdu_registration.pdf.

Stream Crossings

2.35 Road Approaches. The Permittee shall treat road approaches to new or re-constructed permanent crossings to minimize erosion and sediment delivery to the watercourse. Permittee shall ensure road approaches are hydrologically disconnected to the maximum extent feasible to prevent sediment from entering the crossing site, including when a Stream Crossing is being constructed or reconstructed. Road approaches shall be armored from the crossing for a minimum of *50 feet in both directions,* or to the nearest effective water bar or point where road drainage does not drain to the crossing, with durable, clean, screened, angular rock.

2.36 Excavated Fill. Excavated fill material shall be placed in upland locations where it cannot deliver to a watercourse. To minimize the potential for material to enter the watercourse during the winter period, all excavated and relocated fill material shall be tractor contoured (to drain water) and tractor compacted to effectively incorporate and stabilize loose material into existing road and/or landing features.

2.37 Runoff from Steep Areas. The Permittee shall make preparations so that runoff from steep, erodible surfaces will be diverted into stable areas with little erosion potential or contained behind erosion control structures. Erosion control structures such as straw bales and/or siltation control fencing shall be placed and maintained until the threat of erosion ceases. Frequent water checks shall be placed on dirt roads, cat tracks, or other work trails to control erosion.

2.38 Crossing Maintenace. The Permittee shall provide site maintenance for the life of the structures, including, but not limited to, re-applying erosion control to minimize surface erosion and ensuring drainage structures, streambeds and banks remain sufficiently armored and/or stable.

2.38.1 The placement of armoring shall be confined to the work period when the stream is dry or at its lowest flow

2.38.2 No heavy equipment shall enter the wetted stream channel.

2.38.3 No fill material, other than clean rock, shall be placed in the stream channel.

2.38.4 Rock shall be sized to withstand washout from high stream flows, and extend above the ordinary high water level.

2.38.5 Rock armoring shall not constrict the natural stream channel width and shall be keyed into a footing trench with a depth sufficient to prevent instability.

2.39 Isolation of Work Site. Only when work in a flowing stream is unavoidable (e.g., perennial streams), Permittee shall divert the stream flow around or through the work area during construction operations. Permittee shall adhere to the following conditions:

2.39.1 Stream Diversion. Stream flow shall be diverted using gravity flow through temporary culverts/pipes or pumped around the work site with the use of hoses.

2.39.2 Coffer Dams. Prior to the start of construction, Permittee shall isolate the work area. Cofferdams shall be installed to divert stream flow; isolate and dewater the work site; catch and retain sediment-laden water; and minimize sediment transport downstream. Water tight coffer dams shall be constructed upstream and downstream of the work area and water diverted, through a suitably sized pipe, from upstream of the upstream coffer dam and discharge downstream of the downstream coffer dam. Coffer dams and the stream diversion system shall remain in place and functional throughout the construction period. Coffer dams or stream diversions that fail for any reason shall be repaired immediately. Permittee shall use only clean, non-erodible materials such as sand bags, on-site rock, and/or plastic sheeting. Mineral soil shall not be used in the construction of cofferdams.

2.39.3 Stranded Aquatic Life. Once coffer dams are installed, a qualified biologist or other qualified professional trained to identify listed species shall check daily for stranded aquatic life as the water level in the dewatering area drops. All reasonable efforts shall be made to capture and move all stranded aquatic life observed in the dewatered areas. Capture methods may include fish landing nets, dip nets, buckets and by hand. Captured

aquatic life shall be released immediately in the closest suitable aquatic habitat adjacent to the work site. This condition does not allow for the take or disturbance of any State or federally listed species, or State listed species of special concern. The Department staff who prepared this agreement shall be contacted immediately if any of these species are detected.

2.39.4 Dewatering. Permittee shall catch and retain sediment-laden water and minimize sediment transport downstream. Flowing water shall be cleanly bypassed and/or prevented from entering the work area through pumping or gravity flow, and cleanly returned to the stream below the work area. Permittee shall divert stream flow around the work site in a manner that minimizes turbidity, siltation, and pollution, and does not result in erosion or scour downstream of the diversion.

2.39.5 Remove any Materials upon Completion. Permittee shall remove any turbid water and sediment present in the work area prior to restoring water flow through the project site, and place them in a location where they cannot enter the Waters of the State. Permittee shall remove all materials used for the temporary stream flow bypass after the Authorized Activity is completed.

2.39.6 Restore Normal Flows. Permittee shall restore normal flows to the effected stream immediately upon completion of work at that location.

2.40 Culvert Installation.

2.40.1 Permanent culverts shall be sized to accommodate the estimated 100-year flood flow [i.e. ≥1.0 times the width of the bankfull channel width or the 100-year flood size, whichever is greater], including debris, culvert embedding, and sediment loads.

2.40.2 Where diversion potential exists, a critical dip shall be installed to direct flood flow over the crossing fill and back into the channel. Critical dips shall be constructed to accommodate the entire estimated 100-year flood flow and may be installed by lowering the existing fill over the crossing or by constructing a deep, broad rolling dip over the crossing surface to prevent flood flow from diverting down the road.

2.40.3 If the project is located in a high to very high Fire Hazard Severity Zone as designated by CAL FIRE, CDFW recommends culvert materials consist of corrugated metal pipe (CMP). Use of High Density Polyethylene (HDPE) pipe is discouraged.
http://www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps

2.40.4 Existing fill material in the crossing shall be excavated down vertically to the approximate original channel and outwards horizontally to the approximate

crossing hinge points (transition between naturally occurring soil and remnant temporary crossing fill material) to remove any potential unstable debris and voids in the older fill prism.

2.40.5 Culvert shall be installed to grade (not perched or suspended), aligned with the natural stream channel, and extend lengthwise completely beyond the toe of fill. If culvert cannot be set to grade, it shall be oriented in the lower third of the fill face, and a downspout or energy dissipator (such as boulders, rip-rap, or rocks) shall be installed above or below the outfall as needed to effectively control stream bed, channel, or bank erosion (scouring, headcutting, or downcutting). The Permittee shall ensure basins are not constructed and channels are not be widened at culvert inlets.

2.40.6 Culvert bed shall be composed of either compacted rock-free soil or crushed gravel. Bedding beneath the culvert shall provide for even distribution of the load over the length of the pipe, and allow for natural settling and compaction to help the pipe settle into a straight profile. The crossing backfill materials shall be free of rocks, limbs, or other debris that could allow water to seep around the pipe, and shall be compacted.

2.40.7 Culvert inlet, outlet (including the outfall area), and fill faces shall be armored where stream flow, road runoff, or rainfall energy is likely to erode fill material and the outfall area.

3. Reporting Measures

Permittee shall meet each reporting requirement described below.

3.1 CDFW Notification of Work Initiation. The Permittee shall contact CDFW within the seven-day period **preceding the beginning of work** permitted by this Agreement. Information to be disclosed shall include Agreement number, and the anticipated start date.

3.1.1 Prior to commencing work, Permittee shall provide to CDFW for review preconstruction FYLF survey notes and observations.

3.2 Work Completion. The proposed work shall be completed by no later than **October 15, 2020**. Failure to complete work by this date may result in suspension or revocation of this Agreement. **Notification of completion will include photographs of the completed work, erosion control measures, waste containment and disposal, and a summary of any CNDDB submissions** and shall be submitted to CDFW, LSA program at 619 Second Street, Eureka, CA 95501 **within seven (7) days** of project completion.

3.3 Project Inspection. The Project shall be inspected by a licensed professional to ensure that the stream crossings were installed as designed and/or the stream

restoration was implemented as designed. A copy of the inspection report, including photographs of each site, shall be submitted to CDFW within 90 days of completion of this project. The Permittee shall submit the **Project Inspection Report** to CDFW, LSA Program at 619 Second Street, Eureka, CA 95501

3.4 Measurement of Diverted Flow. Copies of the **Water Diversion Records** shall be submitted to CDFW, LSA Program at 619 Second Street, Eureka, CA 95501 no later than **December 31** of each year beginning in **2019**.

3.5 Water Management Plan. The Permittee shall submit a **Water Management Plan** within **60 days** from the effective date of this agreement. The Water Management Plan shall be submitted to CDFW, LSA Program at 619 Second Street, Eureka, CA 95501.

3.6 Diversion Infrastructure Plan. The Permittee shall submit **Diversion Infrastructure Plan** within **60 days** from the effective date of this agreement. Permittee shall **allow 60 days for CDFW review and approval** after submittal of a Diversion Infrastructure Plan. This document shall be submitted to CDFW at the 619 Second Street, Eureka, CA 95501

CONTACT INFORMATION

Any communication that Permittee or CDFW submits to the other shall be in writing and any communication or documentation shall be delivered to the address below by U.S. mail, fax, or email, or to such other address as Permittee or CDFW specifies by written notice to the other.

To Permittee:

Moriah Miranda
48 Johnson Ln
Carlotta, CA 95528
707-599-8444
Pviveiros76@icloud.com

To CDFW:

Department of Fish and Wildlife
Northern Region
619 Second Street
Eureka, California 95501
Attn: Lake and Streambed Alteration Program – Andrew Orahoske
Notification #1600-2019-0430-R1

LIABILITY

Permittee shall be solely liable for any violation of the Agreement, whether committed by the Permittee or any person acting on behalf of the Permittee, including its officers, employees, representatives, agents or contractors and subcontractors, to complete the project or any activity related to it that the Agreement authorizes.

This Agreement does not constitute CDFW's endorsement of, or require the Permittee to proceed with the project. The decision to proceed with the project is the Permittee's alone.

SUSPENSION AND REVOCATION

CDFW may suspend or revoke in its entirety this Agreement if it determines that the Permittee or any person acting on behalf of the Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, is not in compliance with the Agreement.

Before CDFW suspends or revokes the Agreement, it shall provide the Permittee written notice by certified or registered mail that it intends to suspend or revoke. The notice shall state the reason(s) for the proposed suspension or revocation, provide the Permittee an opportunity to correct any deficiency before CDFW suspends or revokes the Agreement, and include instructions to the Permittee, if necessary, including but not limited to a directive to immediately cease the specific activity or activities that caused CDFW to issue the notice.

ENFORCEMENT

Nothing in the Agreement precludes CDFW from pursuing an enforcement action against the Permittee instead of, or in addition to, suspending or revoking the Agreement.

Nothing in the Agreement limits or otherwise affects CDFW's enforcement authority or that of its enforcement personnel.

OTHER LEGAL OBLIGATIONS

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with, or obtaining any other permits or authorizations that might be required under, other federal, state, or local laws or regulations before beginning the project or an activity related to it. For example, if the project causes take of a species listed as threatened or endangered under the Endangered Species Act (ESA), such take will be unlawful under the ESA absent a permit or other form of

authorization from the U.S. Fish and Wildlife Service or National Marine Fisheries Service.

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with other applicable statutes in the Fish and Game Code including, but not limited to, Fish and Game Code sections 2050 *et seq.* (threatened and endangered species), section 3503 (bird nests and eggs), section 3503.5 (birds of prey), section 5650 (water pollution), section 5652 (refuse disposal into water), section 5901 (fish passage), section 5937 (sufficient water for fish), and section 5948 (obstruction of stream).

Nothing in the Agreement authorizes the Permittee or any person acting on behalf of the Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, to trespass.

AMENDMENT

CDFW may amend the Agreement at any time during its term if CDFW determines the amendment is necessary to protect an existing fish or wildlife resource.

The Permittee may amend the Agreement at any time during its term, provided the amendment is mutually agreed to in writing by CDFW and the Permittee. To request an amendment, the Permittee shall submit to CDFW a completed CDFW "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the corresponding amendment fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

TRANSFER AND ASSIGNMENT

This Agreement may not be transferred or assigned to another entity, and any purported transfer or assignment of the Agreement to another entity shall not be valid or effective, unless the transfer or assignment is requested by the Permittee in writing, as specified below, and thereafter CDFW approves the transfer or assignment in writing.

The transfer or assignment of the Agreement to another entity shall constitute a minor amendment, and therefore to request a transfer or assignment, the Permittee shall submit to CDFW a completed CDFW "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the minor amendment fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

EXTENSIONS

In accordance with Fish and Game Code section 1605, subdivision (b), Permittee may request one extension of the Agreement, provided the request is made prior to the

expiration of the Agreement's term. To request an extension, Permittee shall submit to CDFW a completed CDFW "Request to Extend Lake or Streambed Alteration" form and include with the completed form payment of the extension fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5). CDFW shall process the extension request in accordance with Fish and Game Code section 1605, subdivisions (b) through (e).

If Permittee fails to submit a request to extend the Agreement prior to its expiration, Permittee must submit a new notification and notification fee before beginning or continuing the project the Agreement covers (Fish & G. Code § 1605, subd. (f)).

EFFECTIVE DATE

The Agreement becomes effective on the date of CDFW's signature, which shall be: 1) after the Permittee signature; 2) after CDFW complies with all applicable requirements under the California Environmental Quality Act (CEQA); and 3) after payment of the applicable FGC section 711.4 filing fee listed at https://www.wildlife.ca.gov/Conservation/CEQA/Fees.

TERM

This Agreement shall **expire five years** from date of execution, unless it is terminated or extended before then. All provisions in the Agreement shall remain in force throughout its term. The Permittee shall remain responsible for implementing any provisions specified herein to protect fish and wildlife resources after the Agreement expires or is terminated, as Fish and Game Code section 1605, subdivision (a)(2) requires.

AUTHORITY

If the person signing the Agreement (signatory) is doing so as a representative of Permittee, the signatory hereby acknowledges that he or she is doing so on Permittee's behalf and represents and warrants that he or she has the authority to legally bind Permittee to the provisions herein.

AUTHORIZATION

This Agreement authorizes only the project described herein. If Permittee begins or completes a project different from the project the Agreement authorizes, Permittee may be subject to civil or criminal prosecution for failing to notify CDFW in accordance with Fish and Game Code section 1602.

CONCURRENCE

The undersigned accepts and agrees to comply with all provisions contained herein.

FOR MORIAH MIRANDA

Moriah Miranda

Moriah Miranda

10-16-19

Date

FOR DEPARTMENT OF FISH AND WILDLIFE

Cheri Sanville
Senior Environmental Scientist Supervisor

11/21/19

Date

Prepared by: Andrew Orahoske, Environmental Scientist, October 10, 2019

A.M. BAIRD
ENGINEERING & SURVEYING, INC.
1257 Main Street • P.O. Box 396 • Fortuna, CA. 95540 • (707) 725-5182 • Fax (707) 725-5581

CONSULTING – LAND DEVELOPMENT – DESIGN – SURVEYING

GRADING & EROSION CONTROL PLAN

GRADING FOR AS BUILT FLATS (VIOLATION) & PROPOSED GRADING

PREPARED FOR

PHILLIP VIVEIROS

APN: 210-054-009
40.446075, -123.701040

BRIDGEVILLE, HUMBOLDT COUNTY, CA

PREPARED BY:

ALLAN M. BAIRD, RCE 23681

June 3, 2019
Job# 19_4836

PHILLIP VIVEIROS
AS BUILT & PROPOSED GRADING
APN: 210-054-009

SHEET INDEX

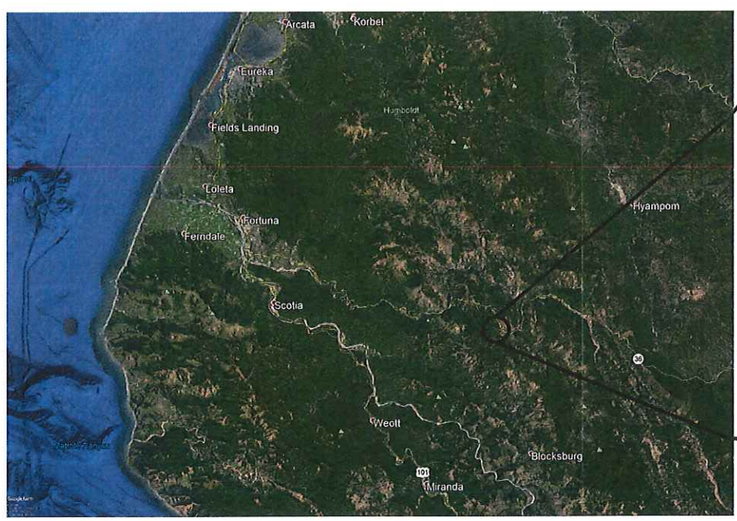
1. – COVER PAGE
2. – AS BUILT GRADING SITE PLAN
3. – AS BUILT FLAT GEC
4. – AS BUILT FLAT X–SECTIONS.1
5. – AS BUILT FLAT X–SECTIONS.2
6. – PROPOSED GEC
7. – PROPOSED X–SECTION
8. – FIBER ROLL DETAILS
9. – BENCHING DETAILS
10. – HYDRO–SEEDING & NETTING
11. – GRADING AND EROSION CONTROL DETAILS

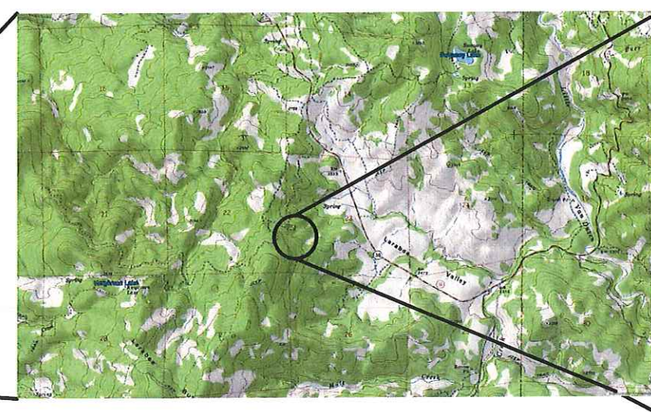
PROJECT DESCRIPTION

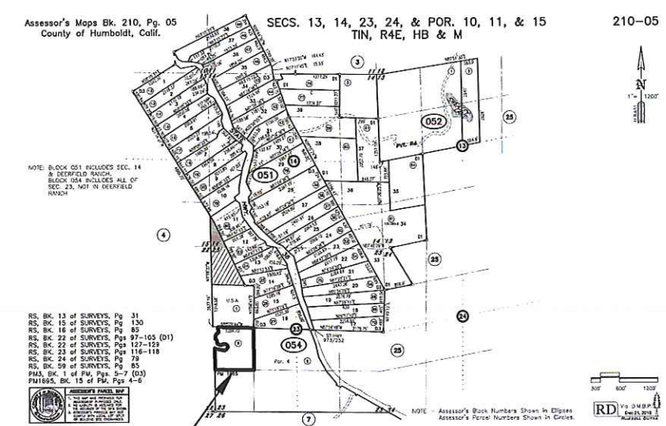
1. GRADING VIOLATION FOR FOUR FLATS (3,748–CY)
2. PROPOSED GRADING OF FLAT TO LAY ALL HILLSIDES 1.5H:1V UNITS (2,130–CY)

PARCEL COORDINATES
40.446075, –123.701040

DIRECTIONS:
EXIT US–HWY 101 (685) CA–36 E
LEFT ONTO CA–36 E (32.2 MILES)
RIGHT ONTO LARABEE BUTTES ACCES ROAD (1.0 MILE)
40.446075, –123.701040







PROJECT SITE

NO.	DATE	DESCRIPTION

REVISIONS

A.M.Baird
Engineering & Surveying, Inc.
1257 Main Street., P.O.Box 396,
Fortuna, CA 95540, (707) 725–5182

SCALE: NTS
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/23/2019

PHILLIP VIVEIROS
AP# 210–054–009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

AS BUILT & PROPOSED GRADING

SITE PLAN

JOB # 19–4836

SHEET # 1 OF 11

NOTES:

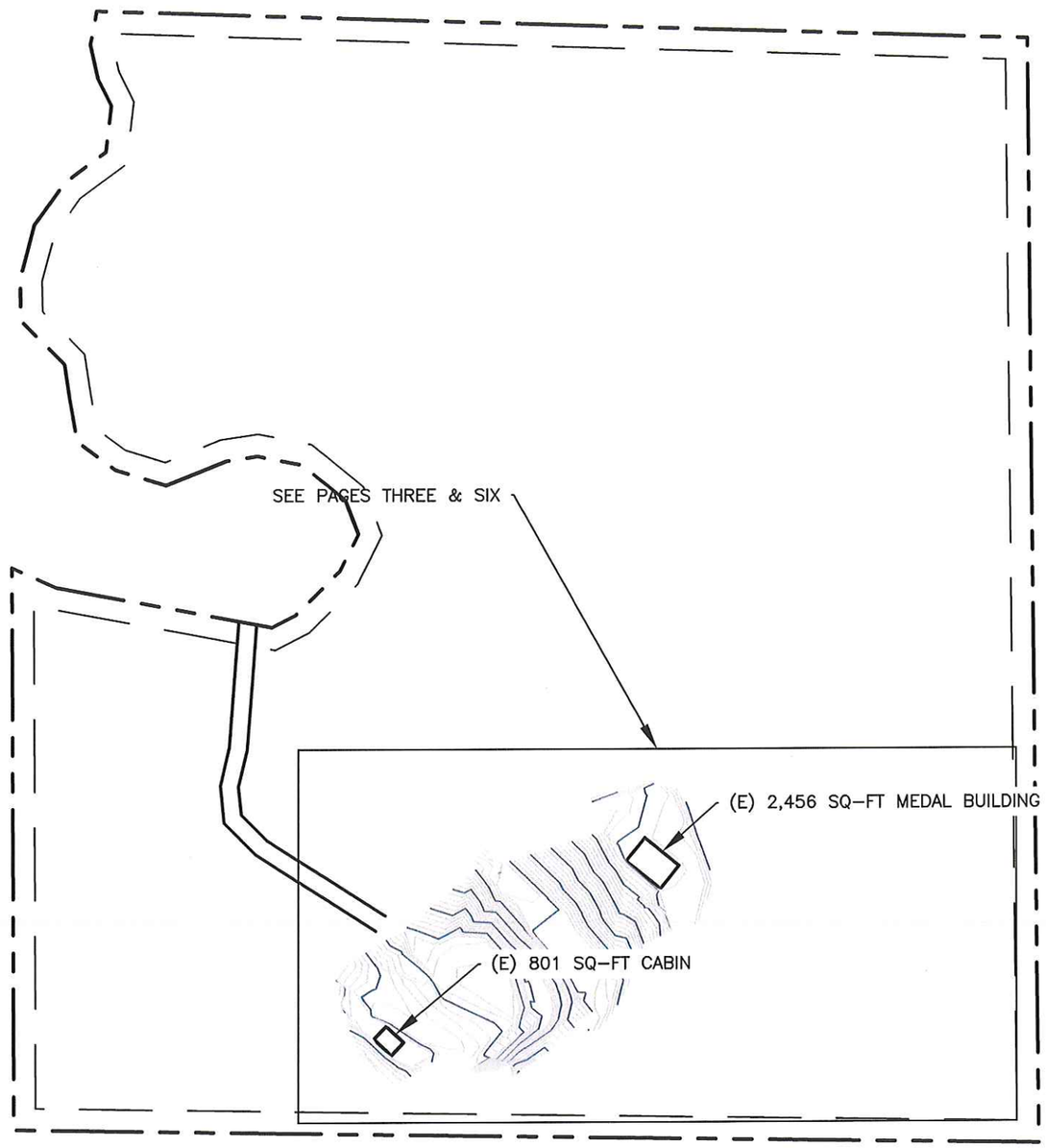
1. PRIVATE WATER & POWER
2. BUILDING SETBACK(S): 30' PERIMETER
3. NO KNOWN EASEMENTS
4. UNKNOWN NUMBER OF TREES 12" DIAM. OR GREATER HAVE BEEN REMOVED
5. NO KNOWN STREAM(S), SPRING(S), OR WETLAND(S) IN DEVELOPMENT AREA
6. GRADING OF THIS PROJECT IS ±3,748 CY WHICH IS <5,000 CY AND SHALL BE DESIGNATED "REGULAR GRADING"
7. ANY FILL MATERIAL SHALL NOT CONTAIN ANY IRREDUCIBLE MATERIAL (ROCK) >12" DIAM. OR CONTAIN AMOUNTS OF ORGANIC MATERIAL DETRIMENTAL TO THE STRUCTURAL INTEGRITY OF THE FILL
8. OWNERS &/OR CONTRACTOR ARE TO FOLLOW EROSION & SEDIMENT CONTROL MEASURES OUTLINED ON SHEET 11.
9. RE-VEGETATE ALL DISTURBED AREAS W/ NATIVE GRASSES & COVER W/ STRAW MULCH. KEEP MOIST UNTIL VEGETATION HAS BECOME ESTABLISHED
10. TEMPORARY SILT FENCE TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION PROCESS. DETAILS ON SHEET EIGHT.
11. CUT/FILL SHALL HAVE SLOPES OF 2H:1V UNITS OR LESS

DIRECTIONS:
EXIT US-HWY 101 (685) CA-36 E
LEFT ONTO CA-36 E (32.2 MILES)
RIGHT ONTO LARABEE BUTTES ACCES ROAD (1.0 MILE)
40.446075, -123.701040

LEGEND

- PROPERTY LINE
- BUILDING OUTLINES
- GROUND CONTOURS
- PROPERTY SETBACK
- EDGE OF DRIVEWAY

PROJECT DESCRIPTION:
AS BUILT GRADING OF 3,735-CY.



LEGAL

ADDRESS: LARABEE BUTTES ACCESS RD.
BRIDGEVILLE, CA 95526

ASSESSOR'S PARCEL NUMBER:
210-054-009

OWNER: PHILLIP VIVEIROS
48 JOHNSON LANE
CARLOTTA, CA 95528
PHONE: (707) 599-8444

SETBACK: 30' PERIMETER

LOT SIZE: 34.06 ACRES

DISCLAIMER:
MAPPING INFORMATION PROVIDED IS FOR GRADING REPORT PURPOSES ONLY.

THIS SITE PLAN REFLECTS MANY MAPPING DETAILS THAT ARE USEFUL TO ASSURE THAT THE SEPTIC DESIGN IS LOCATED APPROPRIATE TO ITS SURROUNDINGS. HOWEVER, NONE OF THE INFORMATION SHOWN IS IMPLIED TO SUGGEST OR SUBSTITUTE FOR A CONTRACTED ACTUAL LAND SURVEY.

A. M. BAIRD, ENGINEERING AND SURVEYING, INC. ASSUMES NO RESPONSIBILITY ARISING FROM THE USE OF INFORMATION PROVIDED, OTHER THAN WHAT HAS BEEN SPECIFICALLY INTENDED FOR THE GRADING REPORT.

N

SCALE 1"=200'
0 100 200 400

NO.	DATE	DESCRIPTION
		REVISIONS

A.M.Baird
Engineering & Surveying, Inc.
1257 Main Street., P.O.Box 396,
Fortuna, CA 95540, (707) 725-5182

SCALE: 1"= 200'
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

AS BUILT GRADING

SITE PLAN

JOB # 19-4836

SHEET # 2 OF 11

D:\Desktop\PETER\VIVEIROS-19_4836\19-4836 VIVEIROS (R B LEE)\DWG\VIVEIROS-19_4836.SITEPLAN.ASBUILT.1.dwg, 6/3/2019 11:36:52 AM

NOTES:

1. PRIVATE WATER & POWER
2. BUILDING SETBACK(S): 30' PERIMETER
3. NO KNOWN EASEMENTS
4. UNKNOWN NUMBER OF TREES 12" DIAM. OR GREATER HAVE BEEN REMOVED
5. NO KNOWN STREAM(S), SPRING(S), OR WETLAND(S) IN DEVELOPMENT AREA
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11. CUT/FILL SHALL HAVE SLOPES OF 2H:1V UNITS OR LESS

LEGAL

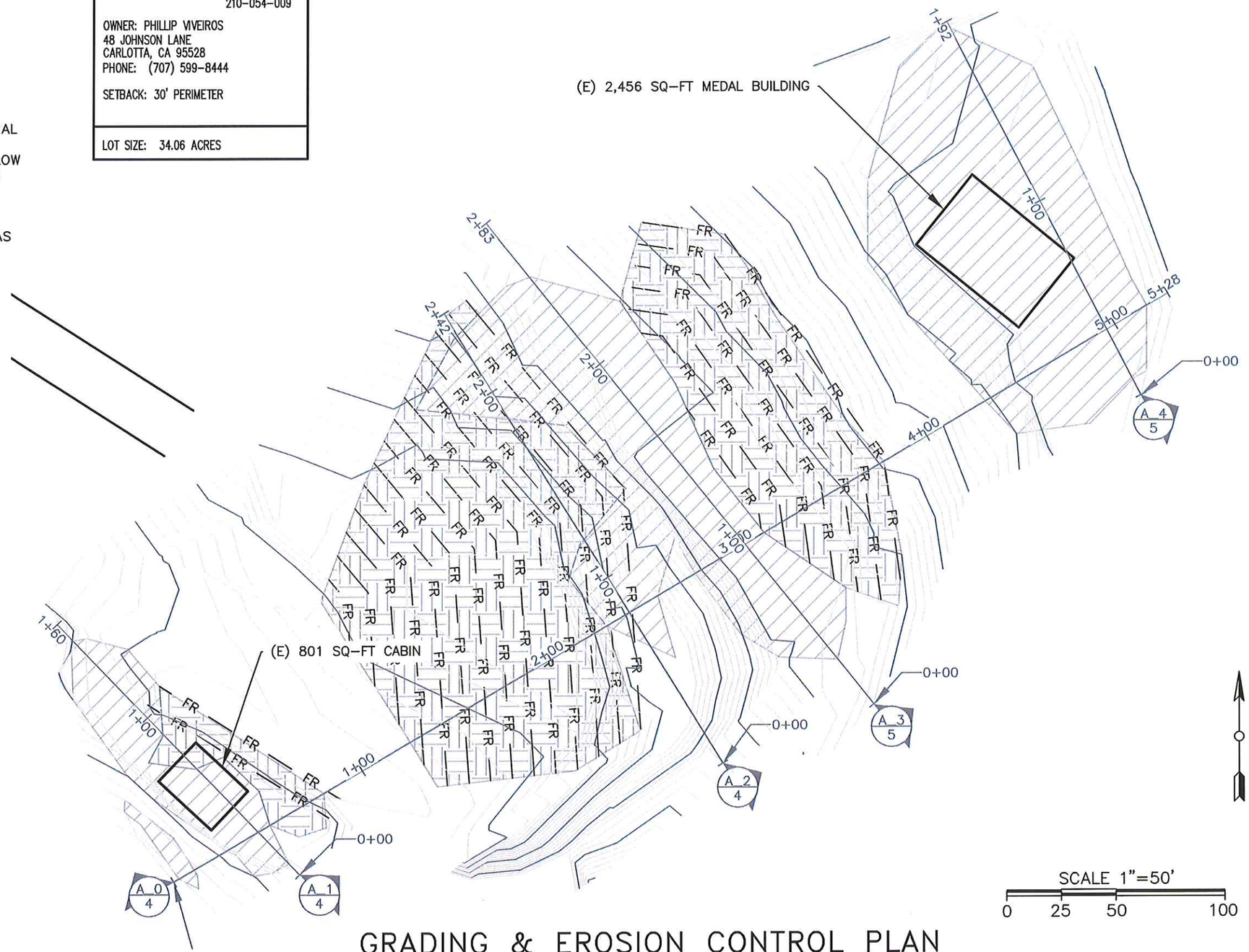
ADDRESS: LARABEE BUTTES ACCESS RD.
BRIDGEVILLE, CA 95526

ASSESSOR'S PARCEL NUMBER:
210-054-009

OWNER: PHILLIP VIVEIROS
48 JOHNSON LANE
CARLOTTA, CA 95528
PHONE: (707) 599-8444

SETBACK: 30' PERIMETER

LOT SIZE: 34.06 ACRES



LEGEND

- PROPERTY LINE
- BUILDING OUTLINES
- GROUND CONTOURS
- PROPERTY SETBACK
- FR — FIBER ROLL
- CUT AREA
- FILL AREA
- X_X / X — SECTION NAME / PAGE #

SCALE 1"=50'

0 25 50 100

GRADING & EROSION CONTROL PLAN

SCALE: 1"=50'

NO.	DATE	DESCRIPTION

REVISIONS

A.M.Baird
Engineering & Surveying, Inc.
1257 Main Street., P.O.Box 396,
Fortuna, CA 95540, (707) 725-5182

SCALE: 1"= 50'
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

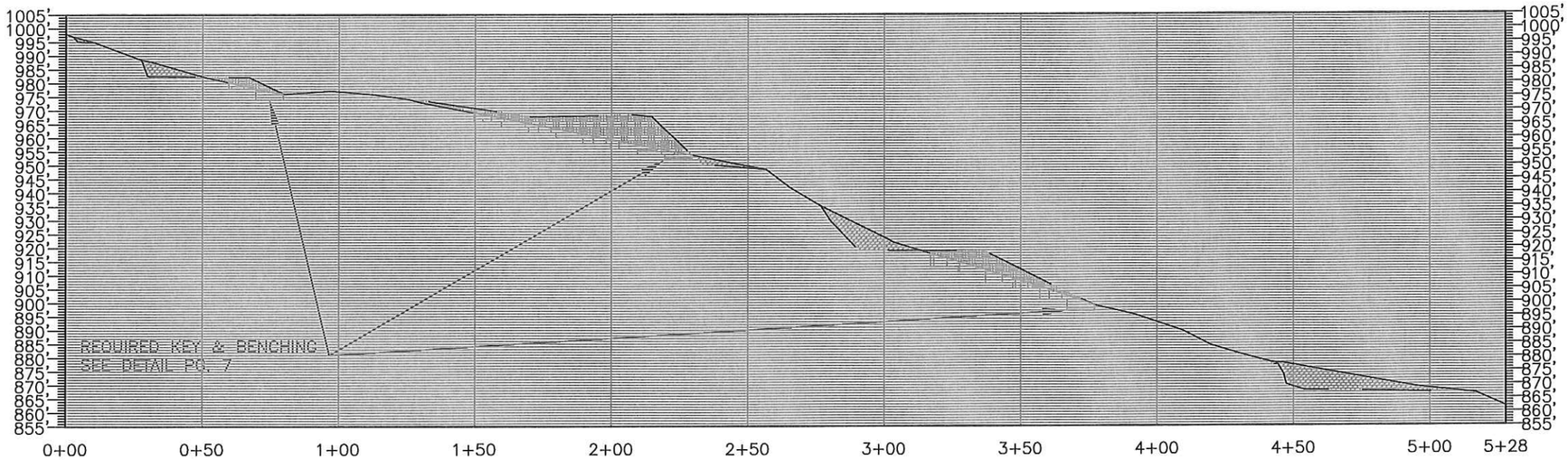
AS BUILT GRADING

GEC SITE PLAN

JOB # 19-4836

SHEET # 3 OF 11

D:\Desktop\PETER\VIVEIROS-19_4836\19-4836 VIVEIROS (R B LEE)\DWG\VIVEIROS-19_4836.SITEPLAN.ASBUILT.1.dwg, 6/3/2019 11:36:59 AM



A_0

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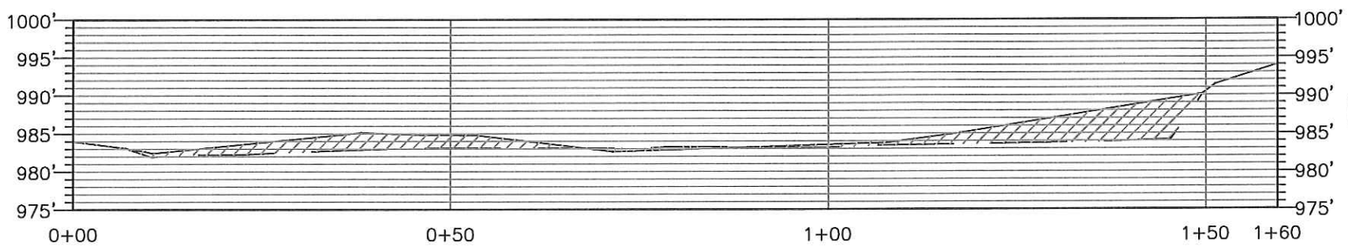


A_1

LEGEND

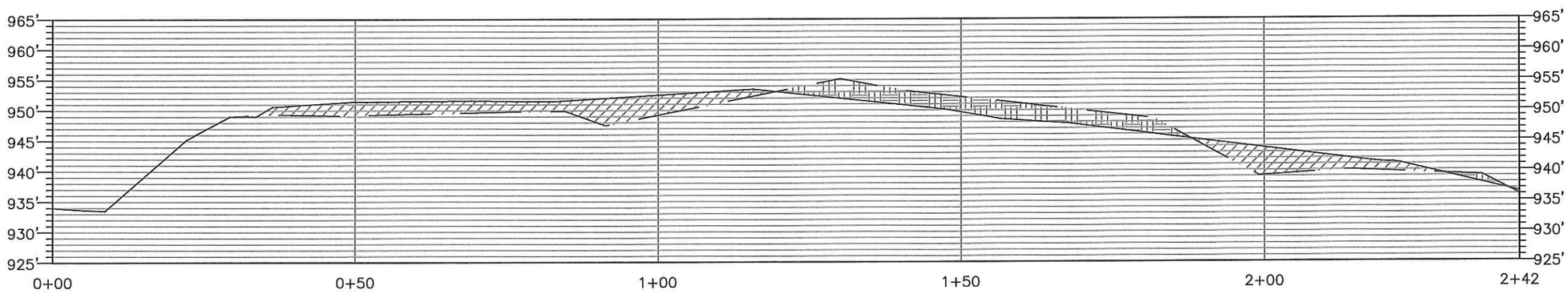
EXISTING GRADE

ASSUMED ORIGINAL GRADE

CUT AREA

FILL AREA

X_X SECTION NAME



A_2

SCALE 1"=20'

0 10 20 40

NO.	DATE	DESCRIPTION

REVISIONS

A.M.Baird
Engineering & Surveying, Inc.
1257 Main Street., P.O.Box 396,
Fortuna, CA 95540, (707) 725-5182

SCALE: AS SHOWN
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

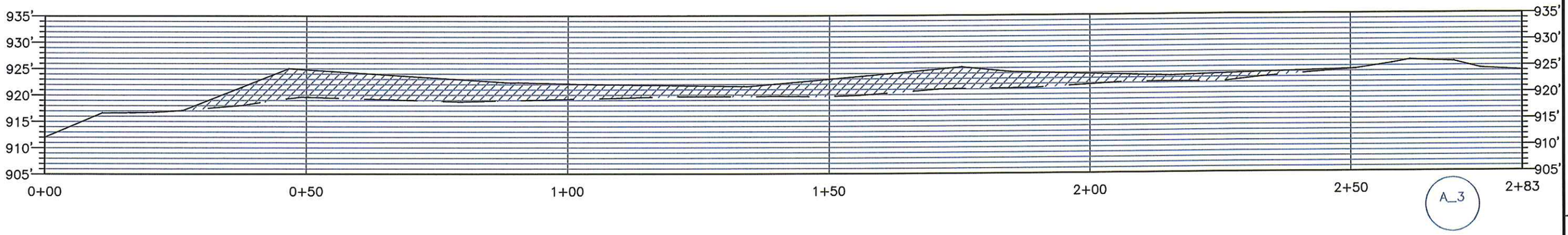
PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

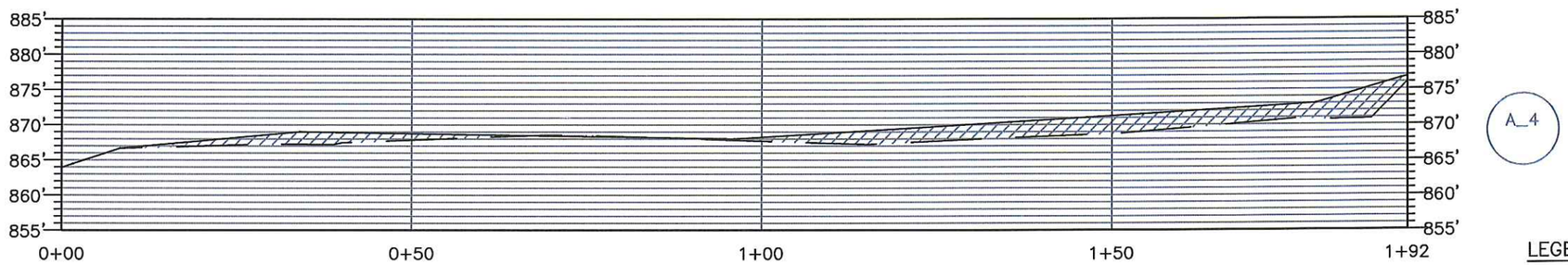
AS BUILT GRADING

TYPICAL CROSS SECTION

JOB # 19-4836

SHEET # 4 OF 11





LEGEND

- EXISTING GRADE
- ASSUMED ORIGINAL GRADE
- CUT AREA
- FILL AREA
- X_X SECTION NAME

SCALE 1"=20'

0 10 20 40

NO.	DATE	DESCRIPTION

REVISIONS

A.M.Baird
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1257 Main Street., P.O.Box 396,
Fortuna, CA 95540, (707) 725-5182

SCALE: 1"= 20'
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

AS BUILT GRADING

TYPICAL CROSS SECTION

JOB # 19-4836

SHEET # 5 OF 11

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NOTES:

1. PRIVATE WATER & POWER
2. BUILDING SETBACK(S): 30' PERIMETER
3. NO KNOWN EASEMENTS
4. NO KNOWN TREES 12" DIAM. OR GREATER TO BE REMOVED
5. NO KNOWN STREAM(S), SPRING(S), OR WETLAND(S) IN DEVELOPMENT AREA
6. GRADING OF THIS PROJECT IS 2,130-CY WHICH IS <5,000 CY AND SHALL BE DESIGNATED "REGULAR GRADING"
7. ANY FILL MATERIAL SHALL NOT CONTAIN ANY IRREDUCIBLE MATERIAL (ROCK) >12" DIAM. OR CONTAIN AMOUNTS OF ORGANIC MATERIAL DETRIMENTAL TO THE STRUCTURAL INTEGRITY OF THE FILL
8. OWNERS &/OR CONTRACTOR ARE TO FOLLOW EROSION & SEDIMENT CONTROL MEASURES OUTLINED ON SHEET 11.
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10. TEMPORARY SILT FENCE TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION PROCESS. DETAILS ON SHEET EIGHT.
11. FILL SHALL HAVE SLOPES OF 2H:1V UNITS OR LESS
12. CUT SHALL HAVE SLOPES OF 1.5H:1V UNITS OR LESS & **HAVE BMPS AS ON PAGE TEN**.

LEGAL

ADDRESS: LARABEE BUTTES ACCESS RD.
BRIDGEVILLE, CA 95526

ASSESSOR'S PARCEL NUMBER:
210-054-009

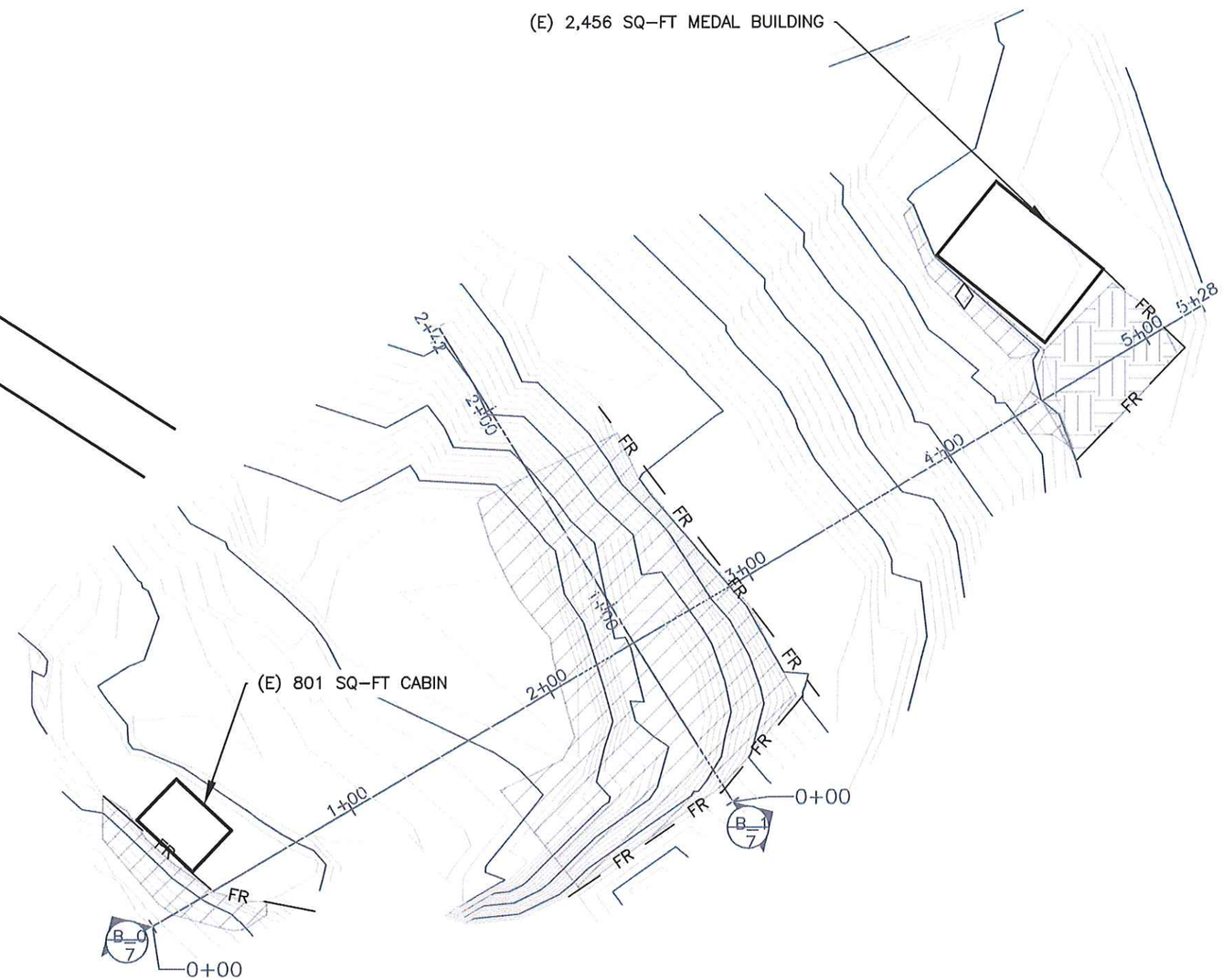
OWNER: PHILLIP VIVEIROS
48 JOHNSON LANE
CARLOTTA, CA 95528
PHONE: (707) 599-8444

SETBACK: 30' PERIMETER

LOT SIZE: 34.06 ACRES

LEGEND

- PROPERTY LINE
- BUILDING OUTLINES
- EDGE OF ROAD
- GROUND CONTOURS
- PROPERTY SETBACK
- FR — FIBER ROLL
- CUT AREA
- FILL AREA
- SMA AREA
- X_X / X — SECTION NAME / PAGE #



SCALE 1"=60'
0 30 60 120

GRADING & EROSION CONTROL PLAN

SCALE: 1"=60'

NO.	DATE	DESCRIPTION

REVISIONS

A.M.Baird
Engineering & Surveying, Inc.
1257 Main Street., P.O.Box 396,
Fortuna, CA 95540, (707) 725-5182

SCALE: 1"= 60'
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

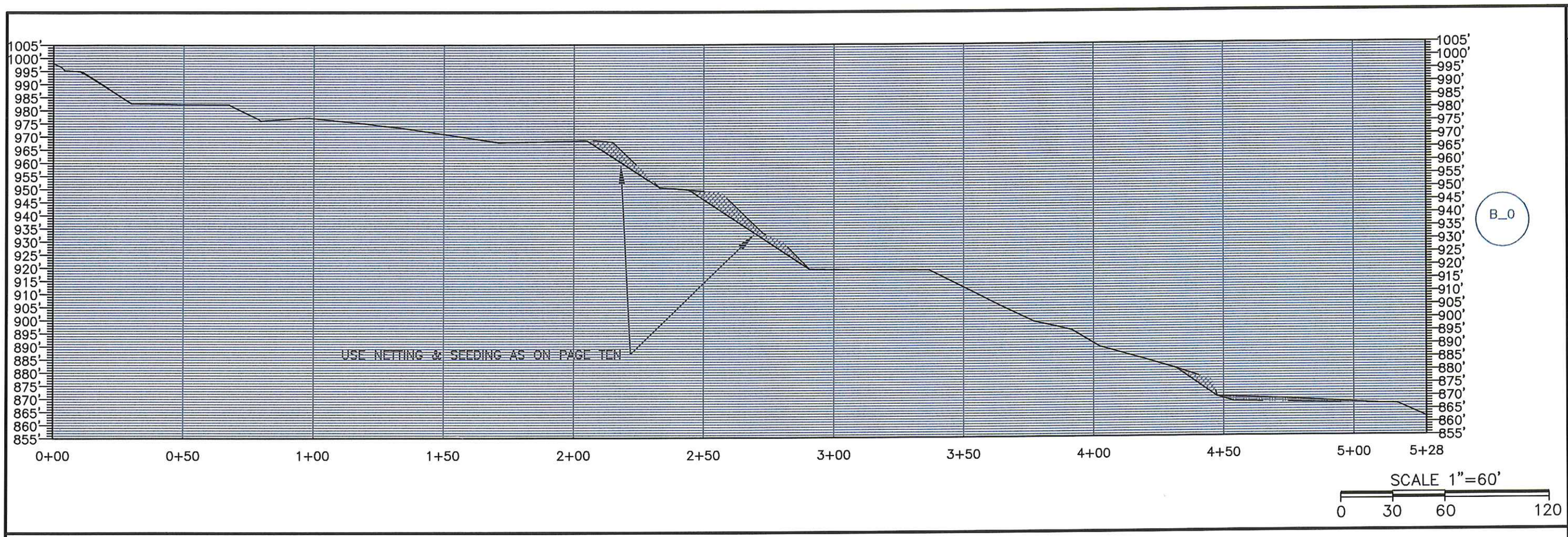
PROPOSED GRADING

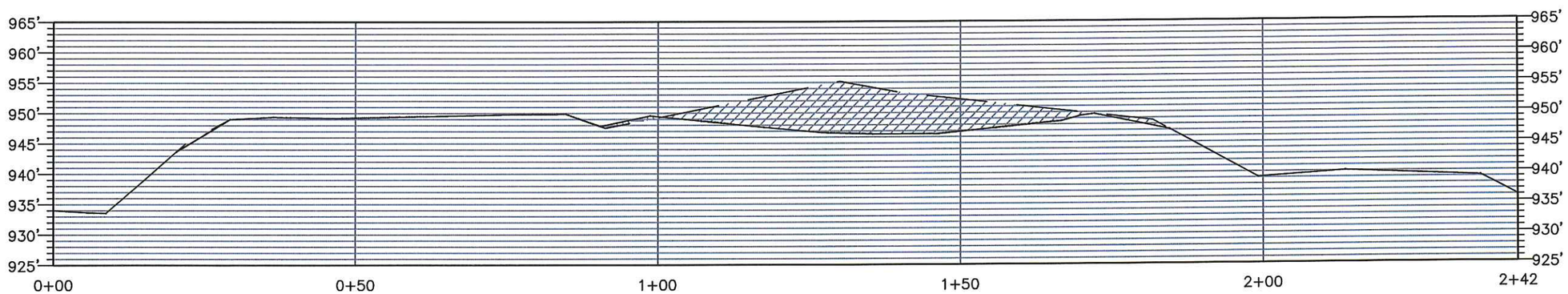
GEC SITE PLAN

JOB # 19-4836

SHEET # 6 OF 11

D:\Desktop\PETER\VIVEIROS-19_4836\19-4836 VIVEIROS (R B LEE)\DWG\VIVEIROS-19_4836.SITEPLAN.PROPOSED.dwg, 6/3/2019 11:32:45 AM





Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Original graded amount	**1.000**	**1.000**	114519.97 Sq. Ft.	4072.83 Cu. Yd.	3422.20 Cu. Yd.	650.63 Cu. Yd.<Cut>
Proposed graded amount	**1.000**	**1.000**	114656.86 Sq. Ft.	2223.57 Cu. Yd.	94.08 Cu. Yd.	2129.49 Cu. Yd.<Cut>
Totals			229176.83 Sq. Ft.	6296.40 Cu. Yd.	3516.28 Cu. Yd.	2780.12 Cu. Yd.<Cut>

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- CUT AREA
- FILL AREA
- X_X — SECTION NAME

SCALE 1"=20'

0 10 20 40

NO.	DATE	DESCRIPTION

REVISIONS

A.M.Baird
Engineering & Surveying, Inc.
1257 Main Street., P.O.Box 396,
Fortuna, CA 95540, (707) 725-5182

SCALE: AS SHOWN
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

PROPOSED GRADING

FLAT CROSS SECTION

JOB # 19-4836

SHEET # 7 OF 11

Implementation

Fiber Roll Materials

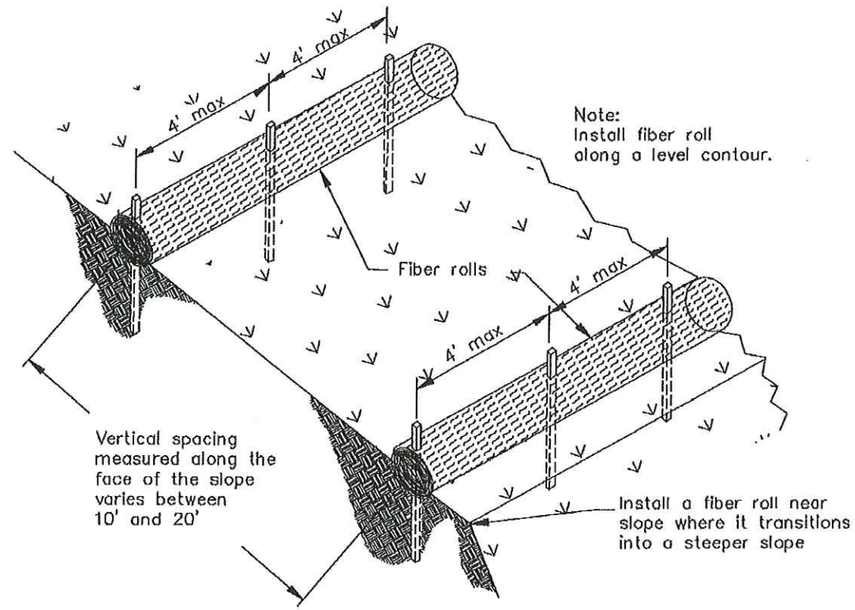
- Fiber rolls should be either prefabricated rolls or rolled tubes of erosion control blanket.

Assembly of Field Rolled Fiber Roll

- Roll length of erosion control blanket into a tube of minimum 8 in. diameter.
- Bind roll at each end and every 4 ft along length of roll with jute-type twine.

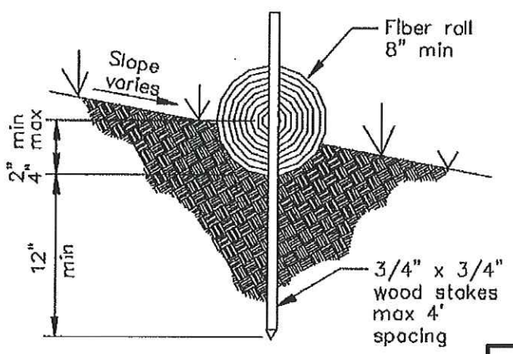
Installation

- Locate fiber rolls on level contours spaced as follows:
  - Slope inclination of 4:1 (H:V) or flatter: Fiber rolls should be placed at a maximum interval of 20 ft.
  - Slope inclination between 4:1 and 2:1 (H:V): Fiber Rolls should be placed at a maximum interval of 15 ft. (a closer spacing is more effective).
  - Slope inclination 2:1 (H:V) or greater: Fiber Rolls should be placed at a maximum interval of 10 ft. (a closer spacing is more effective).
- Turn the ends of the fiber roll up slope to prevent runoff from going around the roll.
- Stake fiber rolls into a 2 to 4 in. deep trench with a width equal to the diameter of the fiber roll.
  - Drive stakes at the end of each fiber roll and spaced 4 ft maximum on center.
  - Use wood stakes with a nominal classification of 0.75 by 0.75 in. and minimum length of 24 in.
- If more than one fiber roll is placed in a row, the rolls should be overlapped, not abutted.



TYPICAL FIBER ROLL INSTALLATION

N.T.S.



ENTRENCHMENT DETAIL

N.T.S.

FIBER ROLLS DETAIL

SCALE: NTS

Implementation

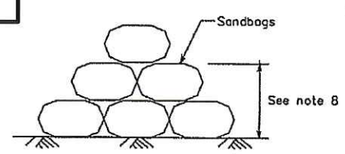
General

A straw bale barrier consists of a row of straw bales placed on a level contour. When appropriately placed, a straw bale barrier intercepts and slows sheet flow runoff, causing temporary ponding. The temporary ponding provides quiescent conditions allowing sediment to settle. Straw bale barriers also interrupt the slope length and thereby reduce erosion by reducing the tendency of sheet flows to concentrate into rivulets, which erode rills, and ultimately gullies, into disturbed, sloped soils.

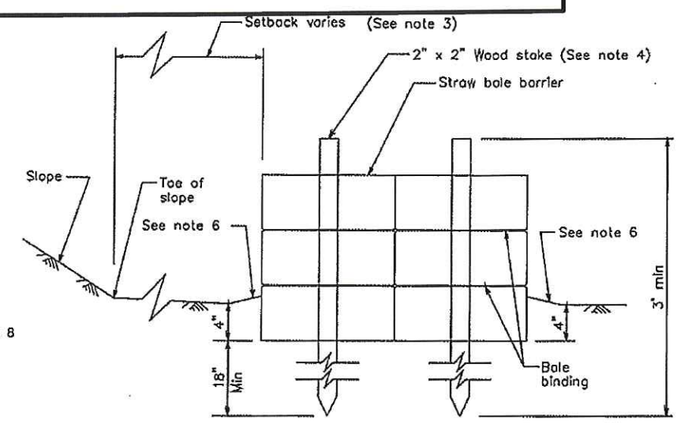
Straw bale barriers have not been as effective as expected due to improper use. These barriers have been placed in streams and drainage ways where runoff volumes and velocities have caused the barriers to wash out. In addition, failure to stake and entrench the straw bale has allowed undercutting and end flow. Use of straw bale barriers in accordance with this BMP should produce acceptable results.

Design and Layout

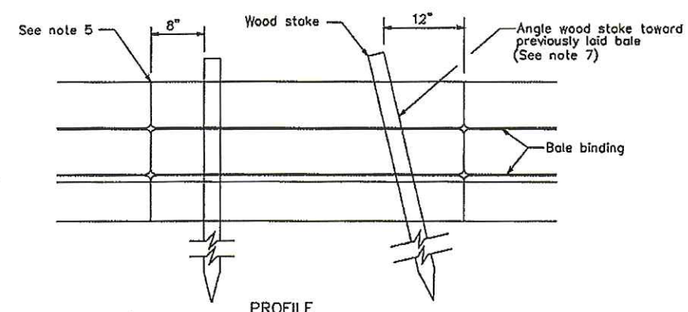
- Locate straw bale barriers on a level contour.
  - Slopes up to 10:1 (H:V): Straw bales should be placed at a maximum interval of 50 ft (a closer spacing is more effective), with the first row near the toe of slope.
  - Slopes greater than 10:1 (H:V): Not recommended.
- Turn the ends of the straw bale barrier up slope to prevent runoff from going around the barrier.
- Allow sufficient space up slope from the barrier to allow ponding, and to provide room for sediment storage.
- For installation near the toe of the slope, consider moving the barrier away from the slope toe to facilitate cleaning. To prevent flow behind the barrier, sand bags can be placed perpendicular to the barrier to serve as cross barriers.
- Drainage area should not exceed 1 acre, or 0.25 acre per 100 ft of barrier.
- Maximum flow path to the barrier should be limited to 100 ft.
- Straw bale barriers should consist of two parallel rows.
  - Butt ends of bales tightly
  - Stagger butt joints between front and back row
  - Each row of bales must be trenched in and firmly staked
- Straw bale barriers are limited in height to one bale laid on its side.
- Anchor bales with either two wood stakes or four bars driven through the bale and into the soil. Drive the first stake towards the butt joint with the adjacent bale to force the bales together.
- See attached figure for installation details.



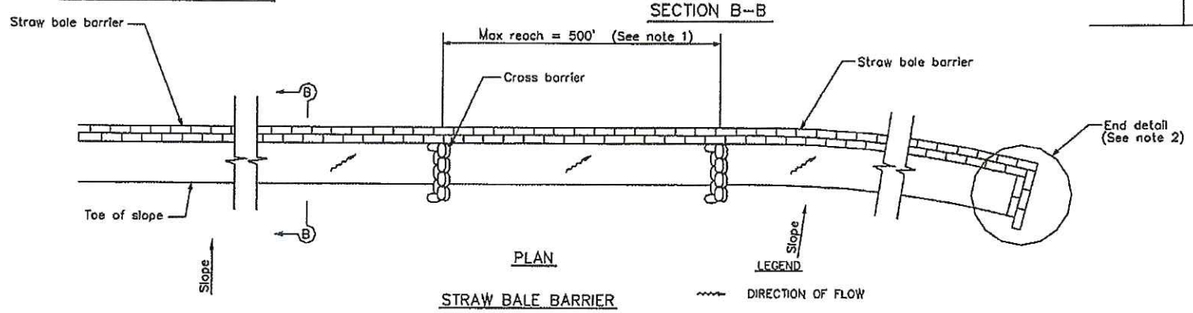
SANDBAG CROSS BARRIER



SECTION B--B



PROFILE

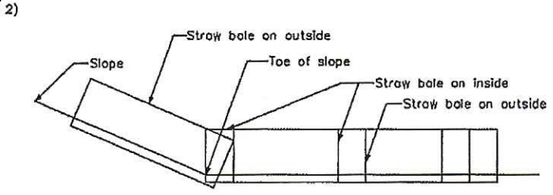


PLAN

LEGEND

DIRECTION OF FLOW

STRAW BALE BARRIER



END DETAIL

NOTES

1. Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/2 the height of the linear barrier. In no case shall the reach length exceed 500'.
2. The end of barrier shall be turned up slope.
3. Dimension may vary to fit field condition.
4. Stake dimensions are nominal.
5. Place straw bales tightly together.
6. Tamp embedment spoils against sides of installed bales.
7. Drive angled wood stake before vertical stake to ensure tight abutment to adjacent bale.
8. Sandbag cross barriers should be a min of 1/2 and a max of 2/3 the height of the linear barrier.
9. Sandbag rows and layers should be offset to eliminate gaps.

STRAW BALE BARRIER DETAIL

SCALE: NTS

NO.	DATE	DESCRIPTION

REVISIONS

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SCALE: NTS
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

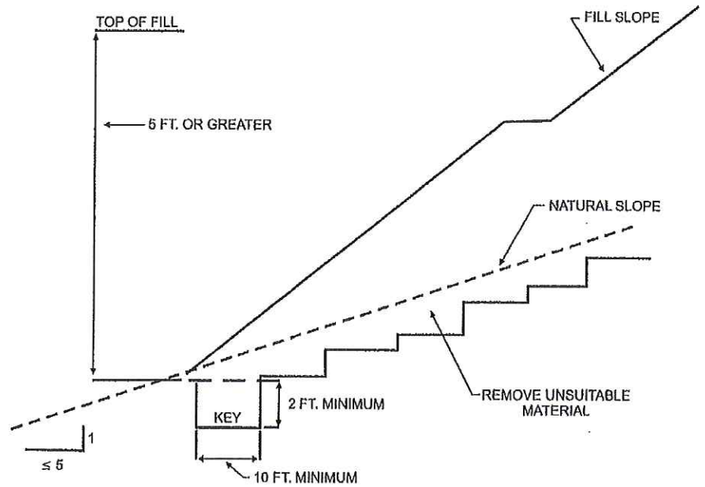
PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

AS BUILT GRADING

SEDIMENT CONTROL DETAILS

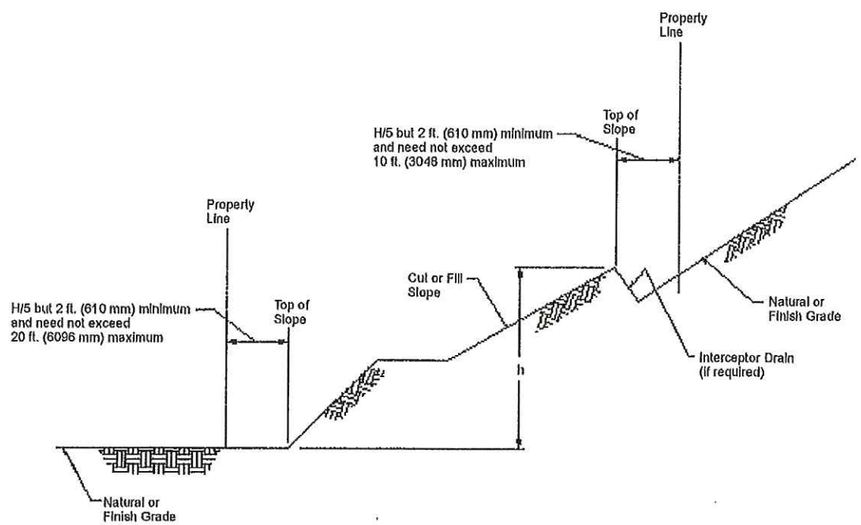
JOB # 19-4836

SHEET # 8 OF 11



For SI: 1 foot = 304.8 mm.

FIGURE J107.3
BENCHING DETAILS



For SI: 1 foot = 304.8 mm.

EXCAVATION NOTES (CBC,2016 SECTION J106):

1. MAXIMUM SLOPE: THE SLOPE OF CUT SURFACES SHALL BE NO STEEPER THAN IS SAFE FOR THE INTENDED USE, & SHALL BE NO STEEPER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL (50%) SLOPE UNLESS THE OWNER(S) AUTHORIZED AGENT FURNISHES A GEOTECHNICAL REPORT JUSTIFYING A STEEPER SLOPE.
   1.1. EXEMPTIONS:
   1.1.1. A CUT SURFACE SHALL BE REMITTED TO BE AT A SLOPE OF ONE & A HALF UNITS HORIZONTAL TO ONE UNIT VERTICAL (67%) SLOPE PROVIDED THAT ALL OF THE FOLLOWING ARE MET:
   1.1.1.1. IT IS NOT INTENDED TO SUPPORT STRUCTURES OR SURCHARGES.
   1.1.1.2. IT IS ADEQUATELY PROTECTED AGAINST EROSION.
   1.1.1.3. IT IS NO MORE THAN EIGHT FEET (8') IN HEIGHT.
   1.1.1.4. IT IS APPROVED BY THE BUILDING CODE OFFICIAL.
   1.1.1.5. GROUND WATER IS NOT ENCOUNTERED
   1.1.2. A CUT SURFACE IN BEDROCK SHALL BE PERMITTED TO BE AT A SLOPE OF ONE UNIT HORIZONTAL TO ONE UNIT VERTICAL (100%) SLOPE.

SETBACKS NOTES (CBC,2016 SECTION J108):

1. GENERAL: CUT & FILL SLOPES SHALL BE SET BACK FRO THE PROPERTY LINES IN ACCORDANCE W/ THIS SECTION. SETBACK DIMENSIONS SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE & SHALL BE AS SHOWN IN FIGURE J108.1, UNLESS SUBSTANTIATING DATA IS SUBMITTED JUSTIFYING REDUCED SETBACKS.
2. TOP OF SLOPE: THE SETBACK AT THE TOP OF A CUT SLOPE SHALL BE NOT LESS THAN THAT SHOWN IN FIGURE J108.1, OR THAN IS REQUIRED TO ACCOMMODATE ANY REQUIRED INTERCEPTOR DRAINS, WHICHEVER IS GREATER.
3. SLOPE PROTECTION: WHERE REQUIRED TO PROTECT ADJACENT PROPERTIES AT THE TOE OF A SLOPE FROM ADVERSE EFFECTS OF THE GRADING, ADDITIONAL PROTECTION, APPROVED BY THE BUILDING OFFICIAL, SHALL BE INCLUDED. SUCH PROTECTION MAY INCLUDE BUT SHALL NOT BE LIMITED TO:
   3.1. SETBACKS GREATER THAN THOSE REQUIRED BY FIGURE J108.1.
   3.2. PROVISIONS FOR RETAINING WALLS OR SIMILAR CONSTRUCTION.
   3.3. EROSION PROTECTION OF THE FILL SLOPES.
   3.4. PROVISION FOR THE CONTROL OF SURFACE WATERS.

FILL NOTES (CBC,2016 SECTION J107):

1. GENERAL: UNLESS OTHERWISE RECOMMENDED IN A GEOTECHNICAL REPORT, FILL SHALL COMPLY W/ PROVISIONS BELOW.
2. SURFACE PREPARATION: THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, TOPSOIL, & OTHER UNSUITABLE MATERIALS, & SCARIFYING THE GROUND TO PROVIDE A BOND W/ THE FILL MATERIAL.
3. BENCHING: WHERE EXISTING GRADE IS AT A SLOPE STEEPER THAN ONE UNIT VERTICAL IN FIVE UNITS HORIZONTAL (20%) SLOPE & THE DEPTH OF THE FILL EXCEEDS FIVE FEET; BENCHING SHALL BE PROVIDED IN ACCORDANCE WITH FIGURE J107.3. A KEY SHALL BE PROVIDED THAT IS AT LEAST TEN FEET IN WIDTH & TWO FEET IN DEPTH.
4. FILL MATERIAL: FILL MATERIAL SHALL NOT INCLUDE ORGANIC, FROZEN, OR OTHER DELETERIOUS MATERIALS. NO ROCKS OR SIMILAR IRREDUCIBLE MATERIAL GREATER THAN 12" IN ANY DIMENSION SHALL BE INCLUDED IN FILLS.
5. COMPACTION: ALL FILL MATERIAL SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557. MODIFIED PROCTOR, IN LIFTS NOT EXCEEDING 12" IN DEPTH.
6. MAXIMUM SLOPE: THE SLOPE OF FILL SURFACES SHALL NOT BE STEEPER THAN IS SAFE FOR THE INTENDED USE. FILL SLOPES STEEPER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL (50%) SLOPE SHALL BE JUSTIFIED BY A GEOTECHNICAL REPORT OR ENGINEERING DATA.

DRAINAGE & TERRACING NOTES (CBC,2016 SECTION J109):

1. GENERAL: UNLESS OTHERWISE RECOMENDED BY A REGISTERED DESIGN PROFESSIONAL, DRAINAGE FACILITIES & TERRACING SHALL BE PROVIDED IN ACCORDANCE W/ THE REQUIREMENTS OF THIS SECTION.

   EXCEPTION: DRAINAGE FACILITIES & TERRACING NEED NOT BE PROVIDED WHERE THE GROUND SLOPE IS NOT STEEPER THAN ONE UNIT VERTICAL IN THREE UNITS HORIZONTAL (33%) SLOPE.

2. TERRACES: TERRACES AT LEAST SIX FEET (6') IN WIDTH SHALL BE ESTABLISHED AT NOT MORE THAN 30' VERTICAL UNIT INTERVALS ON ALL CUT OR FULL SLOPES TO CONTROL SURFACE DRAINAGE & DEBRIS. SUITABLE ACCESS SHALL BE PROVIDED TO ALLOW FOR CLEANING & MAINTENANCE.
   WHERE MORE THAN TWO TERRACES ARE REQUIRED, ONE TERRACE, LOCATED AT APPROXIMATELY MID–HEIGHT, SHALL BE AT LEAST 12' IN WIDTH.
   SWALES OR DITCHES SHALL BE PROVIDED ON TERRACES. THEY SHALL HAVE A MINIMUM GRADIENT OF ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5%) SLOPE & SHALL BE PAVED W/ CONCRETE NOT LESS THAN THREE INCHES (3") IN THICKNESS, OR W/ OTHER MATERIAL SUITABLE TO THE APPLICATION. THEY SHALL HAVE A DEPTH NOT LESS THAN 12 INCHES (12") & A WIDTH ONT LESS THAN FIVE FEET (5').
   A SINGLE RUN OF SWALES OR DITCH SHALL NOT COLLECT RUNOFF FROM A TRIBUTARY AREA EXCEEDING 13,500 SQUARE FEET W/OUT DISCHARGING INTO A DOWN DRAIN.
3. INTERCEPTOR DRAINS: INTERCEPTOR DRAINS SHALL BE INSTALLED ALONG THE TOP OF CUT SLOPES RECEIVING DRAINAGE FROM A TRIBUTARY WIDTH GREATER THAN 40 FEET (40'), MEASURED HORIZONTALLY. THEY SHALL HAVE A MINIMUM DEPTH OF ONE FOOT & A MINIMUM WIDTH OF THREE FEET (3'). THE SLOPE SHALL BE APPROVED BY THE BUILDING OFFICIAL, BUT SHALL BE NOT LESS THAN ONE UNIT VERTICAL IN 50 UNITS HORIZONTAL (2%) SLOPE. THE DRAIN SHALL BE PAVED W/ CONCRETE NOT LESS THAN THREE INCHES (3") IN THICKNESS, OR BY OTHER MATERIALS SUITABLE TO THE APPLICATION. DISCHARGE FROM THE DRAIN SHALL BE ACCOMPLISHED IN A MANNER TO PREVENT EROSION & SHALL BE APPROVED BY THE BUILDING OFFICIAL.
4. DRAINAGE ACROSS PROPERTY LINE: DRAINAGE ACROSS PROPERTY LINES SHALL NOT EXCEED THAT WHICH EXISTED PRIOR TO GRADING. EXCESS OR CONCENTRATED DRAINAGE SHALL BE CONTAINED ON SITE OR DIRECTED TO AN APPROVED DRAINAGE FACILITY. EROSION OF THE GROUND IN THE AREA OF DISCHARGE SHALL BE PREVENTED BY INSTALLATION OF NON–EROSIVE DOWN DRAINS OR OTHER DEVICES.

NO.	DATE	DESCRIPTION
		REVISIONS

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SCALE: NTS
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210–054–009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

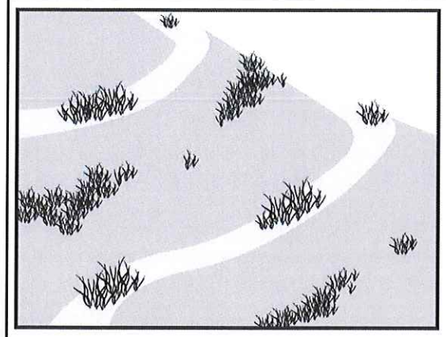
AS BUILT GRADING

CUT, FILL , & BENCHING

JOB # 19–4836

SHEET # 9 OF 11

Hydroseeding



Description and Purpose

Hydroseeding typically consists of applying a mixture of wood fiber, seed, fertilizer, and stabilizing emulsion with hydro-mulch equipment, to temporarily protect exposed soils from erosion by water and wind.

Implementation

In order to select appropriate hydroseeding mixtures, an evaluation of site conditions shall be performed with respect to:

- Soil conditions
- Site topography
- Season and climate
- Vegetation types
- Maintenance requirements
- Sensitive adjacent areas
- Water availability
- Plans for permanent vegetation

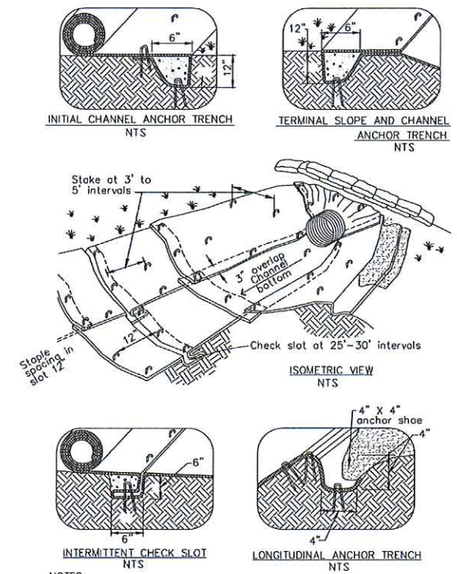
The local office of the U.S.D.A. Natural Resources Conservation Service (NRCS) is an excellent source of information on appropriate seed mixes.

The following steps shall be followed for implementation:

- Avoid use of hydroseeding in areas where the BMP would be incompatible with future earthwork activities and would have to be removed.
- Hydroseeding can be accomplished using a multiple step or one step process. The multiple step process ensures maximum direct contact of the seeds to soil. When the one step process is used to apply the mixture of fiber, seed, etc., the seed rate shall be increased to compensate for all seeds not having direct contact with the soil.
- Prior to application, roughen the area to be seeded with the furrows trending along the contours.
- Apply a straw mulch to keep seeds in place and to moderate soil moisture and temperature until the seeds germinate and grow.
- All seeds shall be in conformance with the California State Seed Law of the Department of Agriculture. Each seed bag shall be delivered to the site sealed and clearly marked as to species, purity, percent germination, dealer's guarantee, and dates of test. The container shall be labeled to clearly reflect the amount of Pure Live Seed (PLS) contained. All legume seed shall be pellet inoculated. Inoculant sources shall be species specific and shall be applied at a rate of 2 lb of inoculant per 100 lb seed.
- Commercial fertilizer shall conform to the requirements of the California Food and Agricultural Code. Fertilizer shall be pelleted or granular form.
- Follow up applications shall be made as needed to cover weak spots and to maintain adequate soil protection.
- Avoid over spray onto roads, sidewalks, drainage channels, existing vegetation, etc.

HYDRO–SEEDING DETAIL

SCALE: NTS



NOTES:
1. Check slots to be constructed per manufacturers specifications.
2. Staking or stapling layout per manufacturers specifications.
3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

Installation in Channels

Installation should be in accordance with the manufacturer's recommendations. In general, these will be as follows:

- Dig initial anchor trench 12 in. deep and 6 in. wide across the channel at the lower end of the project area.
- Excavate intermittent check slots, 6 in. deep and 6 in. wide across the channel at 25 to 30 ft intervals along the channels.
- Cut longitudinal channel anchor trenches 4 in. deep and 4 in. wide along each side of the installation to bury edges of matting, whenever possible extend matting 2 to 3 in. above the crest of the channel side slopes.
- Beginning at the downstream end and in the center of the channel, place the initial end of the first roll in the anchor trench and secure with fastening devices at 12 in. intervals. Note: matting will initially be upside down in anchor trench.
- In the same manner, position adjacent rolls in anchor trench, overlapping the preceding roll a minimum of 3 in.
- Secure these initial ends of mats with anchors at 12 in. intervals, backfill and compact soil.
- Unroll center strip of matting upstream. Stop at next check slot or terminal anchor trench. Unroll adjacent mats upstream in similar fashion, maintaining a 3 in. overlap.
- Fold and secure all rolls of matting snugly into all transverse check slots. Lay mat in the bottom of the slot then fold back against itself. Anchor through both layers of mat at 12 in. intervals, then backfill and compact soil. Continue rolling all mat widths upstream to the next check slot or terminal anchor trench.
- Alternate method for non-critical installations: Place two rows of anchors on 6 in. centers at 25 to 30 ft. intervals in lieu of excavated check slots.
- Staple shingled lap spliced ends a minimum of 12 in. apart on 12 in. intervals.
- Place edges of outside mats in previously excavated longitudinal slots; anchor using prescribed staple pattern, backfill, and compact soil.
- Anchor, fill, and compact upstream end of mat in a 12 in. by 6 in. terminal trench.
- Secure mat to ground surface using U-shaped wire staples, geotextile pins, or wooden stakes.
- Seed and fill turf reinforcement matting with soil, if specified.

Soil Filling (if specified for turf reinforcement)

- Always consult the manufacturer's recommendations for installation.
- Do not drive tracked or heavy equipment over mat.
- Avoid any traffic over matting if loose or wet soil conditions exist.
- Use shovels, rakes, or brooms for fine grading and touch up.
- Smooth out soil filling just exposing top netting of mat.

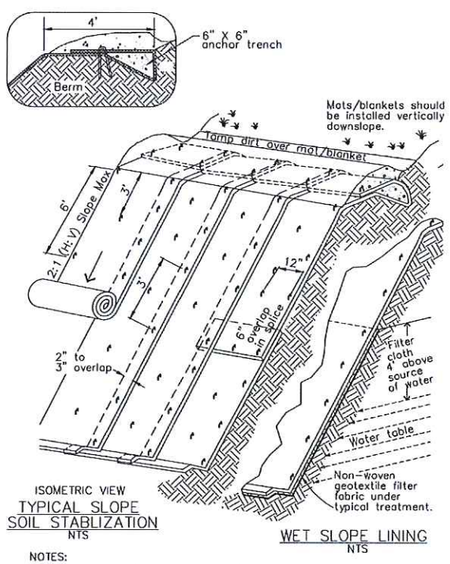
Temporary Soil Stabilization Removal

- Temporary soil stabilization removed from the site of the work must be disposed of if necessary.

Inspection and Maintenance

- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, weekly during the rainy season, and at two-week intervals during the non-rainy season, and at two-week intervals during the non-rainy season.
- Inspect BMPs subject to non-stormwater discharges daily while non-stormwater discharges occur.
- Areas where erosion is evident shall be repaired and BMPs reapplied as soon as possible. Care should be exercised to minimize the damage to protected areas while making repairs, as any area damaged will require reapplication of BMPs.
- If washout or breakage occurs, re-install the material after repairing the damage to the slope or channel.
- Make sure matting is uniformly in contact with the soil.
- Check that all the lap joints are secure.
- Check that staples are flush with the ground.
- Check that disturbed areas are seeded.

****REQUIRED FOR ALL SLOPES 1.5H:1V UNITS OR GREATER****



NOTES:
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

Description and Purpose

Mattings of natural materials are used to cover the soil surface to reduce erosion from rainfall impact, hold soil in place, and absorb and hold moisture near the soil surface. Additionally, matting may be used to stabilize soils until vegetation is established.

Limitations

- Properly installed mattings provide excellent erosion control but do so at relatively high cost. This high cost typically limits the use of mattings to areas of concentrated channel flow and steep slopes.
- Mattings are more costly than other BMP practices, limiting their use to areas where other BMPs are ineffective (e.g. channels, steep slopes).
- Installation is critical and requires experienced contractors. The contractor should install the matting material in such a manner that continuous contact between the material and the soil occurs.
- Geotextiles and Mats may delay seed germination, due to reduction in soil temperature.
- Blankets and mats are generally not suitable for excessively rocky sites or areas where the final vegetation will be mowed (since staples and netting can catch in mowers).
- Blankets and mats must be removed and disposed of prior to application of permanent soil stabilization measures.
- Plastic sheeting is easily vandalized, easily torn, photodegradable, and must be disposed of at a landfill.
- Plastic results in 100% runoff, which may cause serious erosion problems in the areas receiving the increased flow.
- The use of plastic should be limited to covering stockpiles or very small graded areas for short periods of time (such as through one imminent storm event) until alternative measures, such as seeding and mulching, may be installed.
- Geotextiles, mats, plastic covers, and erosion control covers have maximum flow rate limitations; consult the manufacturer for proper selection.
- Not suitable for areas that have heavy foot traffic (tripping hazard) – e.g., pad areas around buildings under construction.

Site Preparation

- Proper site preparation is essential to ensure complete contact of the blanket or matting with the soil.
- Grade and shape the area of installation.
- Remove all rocks, clods, vegetation or other obstructions so that the installed blankets or mats will have complete, direct contact with the soil.
- Prepare seedbed by loosening 2 to 3 in. of topsoil.

Seeding

Seed the area before blanket installation for erosion control and revegetation. Seeding after mat installation is often specified for turf reinforcement application. When seeding prior to blanket installation, all check slots and other areas disturbed during installation must be re-seeded. Where soil filling is specified, seed the matting and the entire disturbed area after installation and prior to filling the mat with soil.

Fertilize and seed in accordance with seeding specifications or other types of landscaping plans. When using jute matting on a seeded area, apply approximately half the seed before laying the mat and the remainder after laying the mat. The protective matting can be laid over areas where grass has been planted and the seedlings have emerged. Where vines or other ground covers are to be planted, lay the protective matting first and then plant through matting according to design of planting.

Check Slots

Check slots are made of glass fiber strips, excelsior matting strips or tight folded jute matting blanket or strips for use on steep, highly erodible watercourses. The check slots are placed in narrow trenches 6 to 12 in. deep across the channel and left flush with the soil surface. They are to cover the full cross section of designed flow.

Laying and Securing Matting

- Before laying the matting, all check slots should be installed and the friable seedbed made free from clods, rocks, and roots. The surface should be compacted and finished according to the requirements of the manufacturer's recommendations.
- Mechanical or manual lay down equipment should be capable of handling full rolls of fabric and laying the fabric smoothly without wrinkles or folds. The equipment should meet the fabric manufacturer's recommendations or equivalent standards.

Anchoring

- U-shaped wire staples, metal geotextile stake pins, or triangular wooden stakes can be used to anchor mats and blankets to the ground surface.
- Wire staples should be made of minimum 11 gauge steel wire and should be U-shaped with 8 in. legs and 2 in. crown.
- Metal stake pins should be 0.188 in. diameter steel with a 1.5 in. steel washer at the head of the pin, and 8 in. in length.
- Wire staples and metal stakes should be driven flush to the soil surface.

Installation on Slopes

Installation should be in accordance with the manufacturer's recommendations. In general, these will be as follows:

- Begin at the top of the slope and anchor the blanket in a 6 in. deep by 6 in. wide trench. Backfill trench and tamp earth firmly.
- Unroll blanket down slope in the direction of water flow.
- Overlap the edges of adjacent parallel rolls 2 to 3 in. and staple every 3 ft.
- When blankets must be spliced, place blankets end over end (shingle style) with 6 in. overlap. Staple through overlapped area, approximately 12 in. apart.
- Lay blankets loosely and maintain direct contact with the soil. Do not stretch.
- Staple blankets sufficiently to anchor blanket and maintain contact with the soil. Staples should be placed down the center and staggered with the staples placed along the edges. Steep slopes, 1:1 (H:V) to 2:1 (H:V), require a minimum of 2 staples/yd². Moderate slopes, 2:1 (H:V) to 3:1 (H:V), require a minimum of 1 ½ staples/yd².

GEOTEXTILE & MAT DETAIL

SCALE: NTS

NO.	DATE	DESCRIPTION

REVISIONS

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SCALE: NTS
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

GRADING

SEDIMENT CONTROL DETAILS

JOB # 19-4836

SHEET # 10 OF 11

EROSION AND SEDIMENT CONTROL PLAN-IMPLEMENTATION MEASURES

GENERAL:

OWNER(S): PHILLIP VIVEIROS
ORGANIZERS: A.M. BAIRD ENGINEERING & SURVEYING, INC.
PROJECT LOCATION: LARABEE BUTTES ACCESS ROAD, BRIDGEVILLE, CA 95526
ACTIVITY : AS BUILT (VIOLATION) & PROPOSED GRADING
ENGINEER'S DECLARATION:
THIS EROSION & SEDIMENT CONTROL PLAN WAS PREPARED BY ME OR UNDER MY DIRECTION & IS BASED UPON THE CALTRANS CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP)S MANUAL MARCH 2003.

_____
ALLAN M. BAIRD R.C.E. 23,681

DATED _____

1. GRADING & EROSION CONTROL MEASURES TO BE TAKEN AT TIME OF PERMIT & TO CONTINUE THROUGHOUT CONSTRUCTION PROCESS.
2. OWNER(S) INTEND TO BEGIN CONSTRUCTION AS SOON AS PERMIT IS ISSUED.
3. IF CONSTRUCTION IS TO OCCUR BETWEEN OCTOBER 15 AND APRIL 15, SITE INSPECTIONS WILL BE CONDUCTED BY THE CONTRACTOR AND/OR OWNER(S): PRIOR TO A FORECASTED STORM, AFTER A RAIN EVENT, WEEKLY THROUGHOUT THE RAINY SEASON, AND EVERY TWO WEEKS THROUGHOUT CONSTRUCTION
4. SITE WILL BE MONITORED DAILY DURING WET WEATHER BY CONTRACTOR AND/OR OWNER(S). CONTRACTOR AND/OR OWNER(S) ARE RESPONSIBLE FOR REPORTING ANY HAZARDOUS SITUATIONS TO THE ENGINEER.
5. IN THE EVENT THAT ANY ASPECT OF THIS PLAN FAILS, THE OWNER(S) IS/ARE RESPONSIBLE FOR IMMEDIATELY CONTACTING THE ENGINEER FOR RECOMMENDATION(S) AND A PROFESSIONAL CONTRACTOR SHALL FOLLOW RECOMMENDATION(S)
6. IF A FOOTING REVIEW IS REQUIRED, SITE MUST BE EVALUATED BY AN ENGINEER, AND IF NECESSARY, ADDITIONAL EROSION CONTROL MEASURES WILL BE TAKEN.
7. UPON COMPLETION OF THE PERMITTED ROUGH GRADING WORK & AT THE FINAL COMPLETION OF THE WORK FOR "ENGINEERED GRADING", OR WHEN PROFESSIONAL INSPECTION IS PERFORMED FOR REGULAR GRADING; A FINAL REPORT SHALL BE SUBMITTED BY THE ENGINEER, IF REQUIRED.
8. THE PERMIT APPLICANT/OWNER(S) SHALL NOTIFY THE BUILDING OFFICIAL WHEN THE GRADING OPERATION IS READY FOR FINAL INSPECTION, AS REQUIRED.
9. IF REQUIRED BY NOTE EIGHT (8.) ABOVE, A FINAL REPORT SHALL BE PREPARED BY THE ENGINEER AND SUBMITTED TO THE HUMBOLDT COUNTY BUILDING DEPARTMENT BEFORE THE FINAL INSPECTION TO ENSURE THE SITE IS IN ACCORDANCE WITH THIS EROSION CONTROL PLAN & HUMBOLDT COUNTY CODE 331-17.
10. FILL AREAS WITH PRE-EXISTING GRADE EXCEEDING A FIVE TO ONE UNITS (20%) SLOPE AND GREATER THAN FIVE FEET IN HEIGHT, SHALL BE REQUIRE BENCHING IN ACCORDANCE WITH CALIFORNIA BUILDING CODE FIGURE J107.3

SEDIMENT CONTROL, SLOPE CONSTRUCTION, & PROTECTION OF WATER COURSES:

11. DIRECT RUNOFF FROM SPOUTS SHALL DISCHARGE TO SPLASH BLOCKS & FLOW AWAY FORM THE FOUNDATION AND/OR FILL. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURE AS PER CURRENT BUILDING CODE.
12. ALL EXPOSED, DISTURBED GROUND SHALL BE TEMPORARILY COVERED W/ TWO INCHES OF STRAW MULCH IMMEDIATELY FOLLOWING GRADING.
13. CUT AND/OR FILL AREAS SHALL BE COVERED W/ NATIVE GRASSES, COVERED W/ STRAW MULCH, & KEPT MOIST UNTIL GRASSES ESTABLISH.
14. TO PREVENT SEDIMENT TRANSPORT PLACE FOUR INCH BASE ROCK ON DRIVEWAY AREA FOR TEMPORARY ACCESS DURING CONSTRUCTION.
15. FIBER ROLLS SHALL BE CONSTRUCTED ON CONTOURS DOWN SLOPE OF DISTURBED AREAS, DETAILS ON SHEET EIGHT (8.).
16. FIBER ROLL LOCATION(S), OTHER EROSION, & SEDIMENT CONTROL MEASURES WERE SPECIFICALLY PLACED BASED ON TOPOGRAPHY OF ENCLOSED MAP. MINOR CHANGES TO THE PROPOSED DEVELOPMENT THAT WOULD CHANGE THE ASSUMED DIRECTION OF SURFACE FLOWS SHOULD APPROPRIATELY CHANGE THE LOCATION OF FIBER ROLLS STATED IN NOTE 14.

DISPOSAL OF EXCAVATED MATERIALS:

17. APPROXIMATELY 3,748-CY (FOR THE AS BUILT) & 2,130-CY (OF PROPOSED GRADING) OF EXCAVATED MATERIAL (SOIL) UTILIZED ON SITE. NO SOIL TO BE REMOVED FROM SITE.
18. CUT/FILL SLOPES ARE NOT TO EXCEED 1.5H:1V/2H:1V UNITS, RESPECTIVELY; RUNOFF FROM ROOF/DRIVEWAY SHALL BE DIRECTED AWAY FORM CUT & FILL AREAS.
19. EROSION OF EXPOSED EXCAVATED MATERIALS WILL BE PREVENTED BY COMPACTING TO 90% BY TRACKING W/ HEAVY EQUIPMENT IN EIGHT INCH (8") LIFTS, MULCHING, & RE-SEEDING IMMEDIATELY FOLLOWING PLACEMENT.

REMOVAL OF VEGETATION & RE-VEGETATION:

20. EXISTING VEGETATION SHALL BE PROTECTED BY ESTABLISHING THE CONSTRUCTION BOUNDARY PRIOR TO COMMENCEMENT OF SOIL-DISTURBING ACTIVITIES.
21. EXISTING VEGETATION TO BE DISTURBED BY GRADING ACTIVITIES SHALL BE REPLACE W/ NATIVE GRASSES.
22. ALL EXPOSED CUT&/OR FILL SLOPES SHOULD BE RE-VEGETATED TO MATCH EXISTING VEGETATION IN SURROUNDING AREA.
23. CUT &/OR FILL SLOPES ARE LESS THAN NATURALLY OCCURRING SLOPES THAT SUPPORT PERMANENT VEGETATION.
24. SITE WILL BE MONITORED ON A DAILY BASIS DURING PERIODS OF HEAVY RAIN OR WIND. REAPPLICATION OF STRAW MULCH OR RE-SEEDING SHOULD BE COMPLETED AS NECESSARY.

NO.	DATE	DESCRIPTION
		REVISIONS

A.M.Baird
Engineering & Surveying, Inc.
1257 Main Street., P.O.Box 396,
Fortuna, CA 95540, (707) 725-5182

SCALE: NTS
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

AS BUILT GRADING

GRADING NOTES

JOB # 19-4836

SHEET # 11 OF 11

A.M. BAIRD
ENGINEERING & SURVEYING, INC.
1257 Main Street • P.O. Box 396 • Fortuna, CA. 95540 • (707) 725-5182 • Fax (707) 725-5581

CONSULTING – LAND DEVELOPMENT – DESIGN – SURVEYING

SOILS ENGINEERING

Geologic R-2

SOILS REPORT

PREPARED FOR

PHILLIP VIVEIROS
APN: 210-054-009
LARABEE BUTTES ROAD

BRIDGEVILLE, HUMBOLDT COUNTY, CA

PREPARED BY:

ALLAN M. BAIRD, RCE 23681

May 3, 2019
Job# 19_4836

May 3, 2019
County of Humboldt Building Department
3015 H Street
Eureka, California 95501

Humboldt County R2 Report: AP# 210-054-009
Larabee Buttes Rd.
Bridgeville, CA 95526
Client: Phillip Viveiros; Job# 19_4836

INTRODUCTION

At the request of Mr. Viveiros, A.M. Baird Engineering has reviewed the above referenced lot in Bridgeville, California for a soil's suitability report. This report is furnished to satisfy the soils criteria as required by Humboldt County for an "R2" Geological Report as pertaining to as built and proposed grading. Observations of this inspection regarding the site soils and topography are the contents of this report.

SITE LOCATION AND DESCRIPTION

Bridgeville is located approximately 41 road miles East of US-Hwy 101 along CA-Hwy 36. The site is located at approximately 3025-ft in elevation above the Pacific Ocean per Google Earth 2019. The parcel is designated as AP# 210-054-009 and is approximately 34.06-ac. Access to the parcel is provided via Larabee Buttes Road. Most of this lot slopes Northeast at approximately 20%, but there are several areas of slopes ranging 5-10%. See Enclosed Site Map

SOIL CONDITIONS

Soil sampling on the parcel revealed approximately two-ft of dark yellowish-brown soil (Munsell color 10 YR 4/6) at the areas shown. These soils are comprised of Zone 2 Sandy Loam and Loamy Sand consisting of course content by weight greater than 44%. There is no indication in the surrounding area of any slumps, faults, or springs that would be detrimental to the building site.

GROUNDWATER

No groundwater or soil mottling was encountered during this soil's investigation.

SLOPE STABILITY AND SURFACE DRAINAGE HAZARDS

The nature of the entire property appears to be stable and should remain stable provided the recommendations given in this report are followed. Areas disturbed during construction activities should be re-vegetated prior to the rainy season. Impermeable surfaces such as driveways and rooftops should be designed to uniformly diffuse runoff away from structures, and significant quantities of concentrated runoff should not be discharged over slopes greater than 20%.

GEOLOGICAL HAZARDS

This area of California is seismically very active and is subject to earthquakes of large magnitude, which can produce significant ground shaking. This high to very high level of risk of seismic hazard is typical for Bridgeville.

This parcel is located within ten kilometers of the active Type A Grogan Fault, five kilometers to Eaton Roughs Fault, and less than five miles to the Mule Ridge Fault. In general, there are many sources of large magnitude earthquakes that could potentially affect this project area. These sources include but are not limited to the *Lake Mountain Fault located south-east of the Bridgeville area, the Fickle Hill Fault located approximately 25 kilometers north-west of the area, the Little Salmon Fault (onshore), the San Andreas Fault (north coast)*, and the complex northwesterly oriented fault systems surrounding the Humboldt Bay area (including the Little Salmon, Mad River, Freshwater, and Gorda Fault Zones), and the Cascadia Subduction Zone near Cape Mendocino.

The San Andreas Fault has produced major earthquakes in this area at intervals of approximately 75-150 years. Earthquakes with average magnitudes of 5.8 occur on average every 2 years at varying locations in or near Humboldt County, and geological evidence suggests that the San Andreas Fault can generate magnitudes much higher (7^+). This high to very high level of risk of seismic hazard is typical for Northern California, and residents assume this risk when they choose to build in this area. Earthquakes capable of causing intense ground shaking and structural damage can be expected to occur within the design life of the proposed structure (40+ years). Residents should be aware of this inherent risk and should understand that these risks cannot be fully eliminated with engineered design. As required, all structural design should be in conformance with the 2016 California Building Code (CBC) Seismic Design Category (SDC) E (Section 1613A, 2016 CBC). Latitude and Longitude values were taken from the Humboldt County Web GIS website (County of Humboldt, 2019). Site-specific soil parameters were calculated using the U.S. Seismic Design Maps (Table 1) (U.S. Seismic Design Maps, 2019):

Table 1: U.S. Seismic Design Maps Ground Motion Parameters	
Latitude	40.446075
Longitude	-123.701040
Occupancy Category	II (normal buildings)
Importance Factor, I	1.0
Site Class	D (stiff soil) (default)
Site Coefficients	F_a=1.0
	F_v=1.5
Mapped Spectral Response Acceleration Parameters	S_s=1.909 g (0.2-second spectral response)
	S_1=0.889 g (1-second spectral response)
Design Spectral Response Acceleration Parameters	S_{MS}=1.909 g (0.2-second period)
	S_{M1}=NULL-SEE SECTION 11.4.8
Design Spectral Response Acceleration Parameters (five-percent damped design spectral response)	S_{DS}=1.273 g (0.2-second period)
	S_{D1}= NULL-SEE SECTION 11.4.8
Seismic Design Category (SDC)	E (S_1>0.75g)
Peak Ground Acceleration (S_S/2.5)	0.7636

FLOOD HAZARDS

The site is not within a Federal Emergency Management Agency (FEMA) mapped flood zone nor the Department of Water Resources (DWR) awareness floodplain.

EXISTING GRADING (CUT/FILL)

Evidence of grading (cut/fill) was apparent on the property during this site inspection. Based off Google Earth Pro's (2019) historical images it appears that the grading done on site was done sometime after 2004, between 2006-2009, between 2010-2012, and between 2014-2016 based off of historical images from Google Earth Pro. It is recommended that existing fill soil be removed and replaced at minimum of 85% maximum relative compaction for the construction of the driveway and parking area over existing fill. Foundations for any structure shall be extended past the fill soil and into undisturbed original grade as specified in recommendation #1 herein

EARTHQUAKE MOTION HAZARDS

Slope instability, liquefaction, and surface rupture due exclusively to faulting or lateral spreading are not considered consequential as to require specific analysis. Dynamic seismic loading for retaining walls supporting more than 6 feet of backfill and peak ground acceleration for design purposes shall be S_S/2.5 and ASCE 7-16 Figure 22-7, unless additional site-specific analysis is provided beyond the scope contained herein.

RECOMMENDATIONS

No expansive soils were encountered during this investigation that require specific recommendations. The soil on this lot can support a load of 1,500 pounds per square foot (psf). Single or multilevel structures are suitable uses for this site, and settlement is not anticipated to be detrimental provided considerations are given to the recommendations presented herein:

1) Foundations for any residence should be reinforced and be contained in firm, undisturbed native soil. The foundation should be extended a minimum of 12" ***past any topsoil or fill*** and into natural undisturbed ground for single-story structures, a minimum of 18" for two-story structures and 24" for three-story structures. Spread footings and foundation walls should be reinforced and be at minimum 12" wide for one-story structures, 18" wide for two-story structures, and 24" for three-story structures. Foundation walls should be a minimum of 7.5" thick for single-story structures, a minimum of 8" for two-story structures, and a minimum of 10" for three-story structures. Foundation footings shall be setback a minimum distance of 4 feet from bottom of footing as measured horizontally to daylight from slopes dropping over 30%. Foundation footing setbacks to slope breaks shall comply with specifications in Section 1808.7 and Figure 1808.7.1 of the 2016 CBC.

2) All surface runoff from developed or paved areas of the lot should be controlled to flow and drain away or be routed in such a manner as to not affect slope stability or the integrity of the foundation soil. Erosion control dissipation devices shall be installed at all locations where water is discharged over slopes greater than 20%.

3) All excavation shall be completed in conformance with Section 1804 of the 2016 CBC. Additionally, earthwork grading/excavation shall be conducted during the dry season, unless constructed in conformance with a grading and erosion control plan and with Humboldt County codes and the recommendations in this report.

4) All existing and proposed fill and cut slopes are to be re-vegetated to prevent erosion. This is to be done to the satisfaction of local building officials. Existing vegetation beyond the construction area should be left undisturbed if feasible.

5) If cutting or grading is to be done at a depth greater than 5 feet, it is recommended that this office be contacted for specific comments and recommendations. Cut and fill under 5 feet should be limited to 2H:1V units' max slope.

6) Gutters are to extend along all roof lines and lead to down spouts. In turn, down spouts should lead to pipes carrying roof runoff away from the building site, as well as any fill or foundations that may adversely affect the site soil or adjacent slopes.

7) Floor slabs should be reinforced by #3 reinforcing bars at 18" o.c. or #4 reinforcing bars at 24" o.c. each way and be underlain by at least 4" of class 2 aggregate bases with limited fines to act as a capillary moisture break and a vapor barrier. The vapor barrier shall be in direct contact with concrete. Contractor and owner are responsible for determining the extent of waterproofing methods necessary and implementing the appropriate measures as

described in recommendation #9 and shall be aware of the current recommendations and guidelines for slabs below grade according to the American Concrete Institute.

8) All foundation design and construction shall be in conformance with Chapter 18 of the 2016 CBC. All footings are to meet local requirements for seismic criteria, as required by the 2016 CBC. Seismic design parameters have been included in this report based on latitude and longitude values taken from the Humboldt County Web GIS website (County of Humboldt, 2019).

9) Any floor space at or below existing grade level that will be used as inhabitable areas or for storage shall be appropriately dampproofed or waterproofed as described in Section 1805 of the 2016 CBC. These appropriate measures at minimum will constitute installation of 6-mil vapor barrier or equivalent against the foundation or retaining wall, along with drain rock a minimum of 12" thick to the bottom of the footing and made to drain by 4" perforated pipe tight-lines to daylight away from the foundation soils. It is recommended that slabs below grade used for living space be underlain with a minimum of 6" of open graded aggregate instead of 4" as described in recommendation #7 for an increased protection from capillary water infiltration. Additional or superior measures may include installation of sub-slab drainage pipes or geo-textile membranes and should be installed according to current standards of practice.

CLOSURE

Based upon the review conducted by this office of the site and surrounding terrain no further geological evaluation is required; therefore, no geotechnical engineer consultation is warranted. This office shall be contacted if subsurface conditions differ significantly from those stated in this report, or if further investigation or inspection is requested by involved agencies.

It has been assumed that observed soils are representative of the entire subsurface conditions on the property in question. If it is found during construction that subsoil conditions differ from those described, the conclusions and recommendations of this report should be considered invalid unless the changes are reviewed, and the conclusions and recommendations are modified or approved in writing. This analysis was conducted in accordance with the standards maintained by professionals in the engineering field, and the findings presented herein are reasonably representative of site conditions and probable site behavior based on this investigation. Due to the inexact nature of many engineering analyses, including those employed during the preparation of this report, there is no guarantee or warranty expressed or implied. Enclosed in this report are site maps, Assessor's Parcel Maps, and geologic maps as referenced.

If you have any questions regarding this report, or to schedule an inspection, please feel free to contact this office at (707) 725-5182.

Sincerely,
Allan M. Baird
Principal, RCE# 23681

REFERENCES

American Society of Civil Engineering (ASCE). (2013). *Minimum Design Loads for Buildings and Other Structures*. ASCE/SEI 7-10.

California Department of Conservation, Division of Mines and Geology. (1998). *Maps of Known Active Fault Near-Source Zones in California and Adjacent Portions of Nevada*. International Conference of Building Officials. Whittier, CA.

County of Humboldt. (2018). *Humboldt County Web GIS Planning and Building Mapping*. AvailableOnline[http://gis.co.humboldt.ca.us/Freeance/Client/PublicAccess1/index.html?appconfig=podgis4]

International Code Council. (2016). *2016 California Building Code*. International Code Council, Inc.

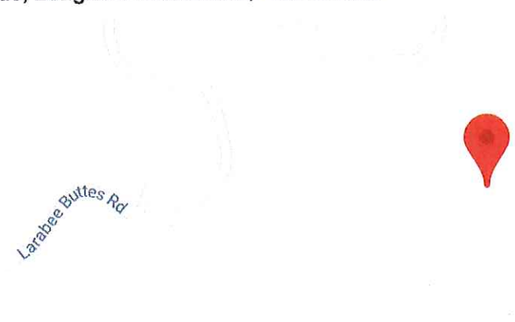
Jennings, Charles W., and William A. Bryant. "ArcGIS Web Application." ArcGIS Web Application. The State of California and the Department of Conservation, 2010. (Accessed 2018). [http://maps.conservation.ca.gov/cgs/fam/App/index.html]

"U.S. Seismic Design Maps." U.S. Seismic Design Maps, SEAOC/OSHPD, 2019, seismicmaps.org/.

OSHPD

VIVEIROS

Latitude, Longitude: 40.446075, -123.701040



Date	6/3/2019, 2:54:19 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D - Stiff Soil

Type	Value	Description
S_S	1.909	MCE_R ground motion. (for 0.2 second period)
S_1	0.889	MCE_R ground motion. (for 1.0s period)
S_{MS}	1.909	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	1.273	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.897	MCE_G peak ground acceleration
F_{PGA}	1.1	Site amplification factor at PGA
PGA_M	0.987	Site modified peak ground acceleration
T_L	16	Long-period transition period in seconds
SsRT	1.968	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	2.191	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.909	Factored deterministic acceleration value. (0.2 second)
S1RT	0.889	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	1.015	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.987	Factored deterministic acceleration value. (1.0 second)
PGAd	0.897	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.898	Mapped value of the risk coefficient at short periods
C_{R1}	0.876	Mapped value of the risk coefficient at a period of 1 s

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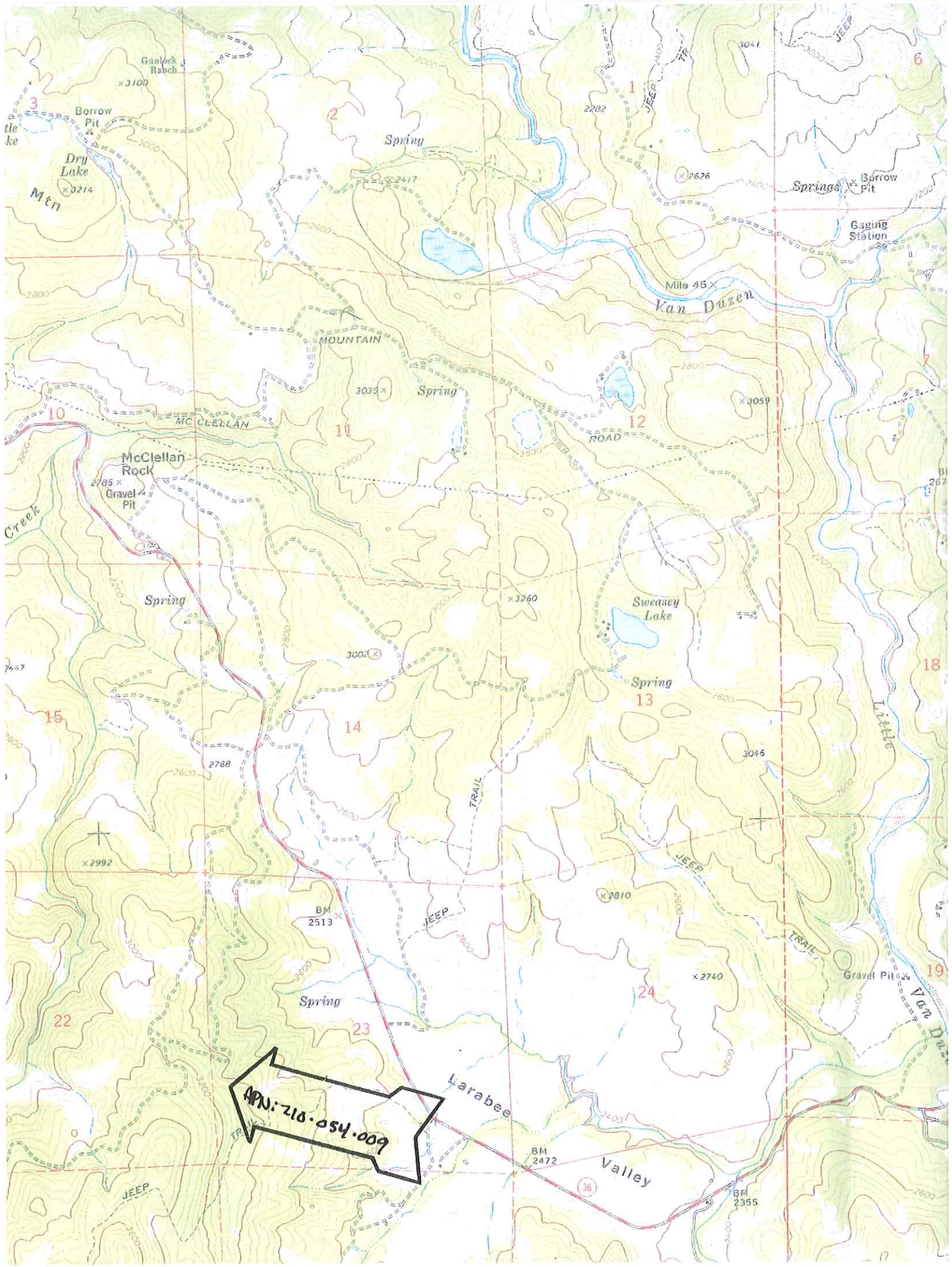
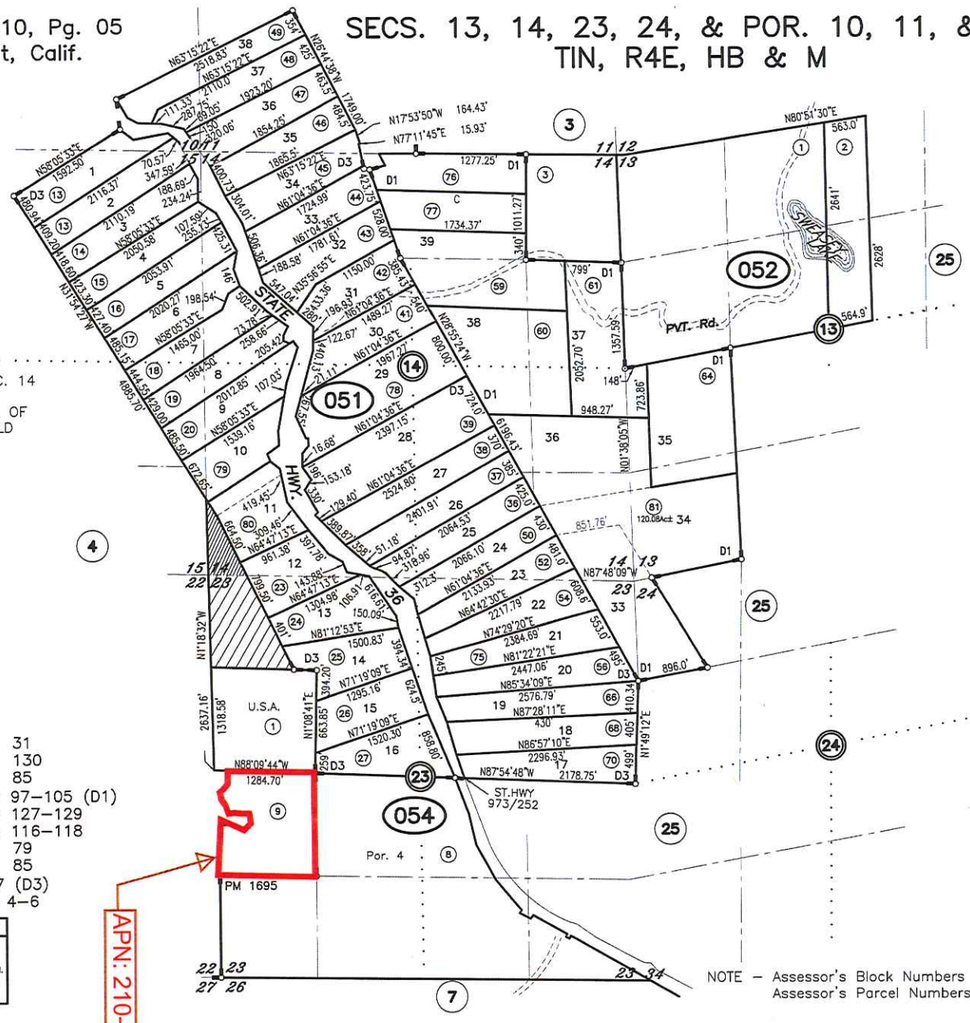

Ganlock Ranch
Borrow Pit
Dry Lake
Mtn
Spring
Springs
Borrow Pit
Gaging Station
Mile 45
Van Duzen
MOUNTAIN
Spring
MC CLELLAN
ROAD
McClellan Rock
Gravel Pit
Creek
Spring
Sweasey Lake
Spring
Little
TRAIL
JEEP
Spring
Gravel Pits
Van Duzen
Yarabee
Valley
APN: 210-054-009

Assessor's Maps Bk. 210, Pg. 05
County of Humboldt, Calif.

SECS. 13, 14, 23, 24, & POR. 10, 11, & 15
T1N, R4E, HB & M

210–05


051
052
054
HWY.
PVT. Rd.
U.S.A.
ST. HWY 973/252
Por. 4
PM 1695
N88°09'44"W 1284.70'
N17°53'50"W 164.43'
N77°11'45"E 15.93'
N80°51'30"E 563.0'
N87°48'09"W 896.0'
N87°54'48"W 2178.75'
N1°18'32"W 2657.16'
N1°08'41"E 663.85'
N1°49'12"E 410.34'
N1°38'05"E 723.86'
N1°49'12"E 564.9'
N1°49'12"E 2641'
N1°49'12"E 2628'
N1°49'12"E 2657.16'
N1°49'12"E 1318.58'
N1°49'12"E 1357.59'
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N1°49'12"E 148.0'
N1°49'12"E 948.27'
N1°49'12"E 1357.59'
N1°49'12"E 1011.27'
N1°49'12"E 340'
N1°49'12"E 1277.25'
N1°49'12"E 1734.37'
N1°49'12"E 799'
N1°49'12"E 1357.59'
N1°49'12"E 1357.59'
N1°49'12"E 1357.59

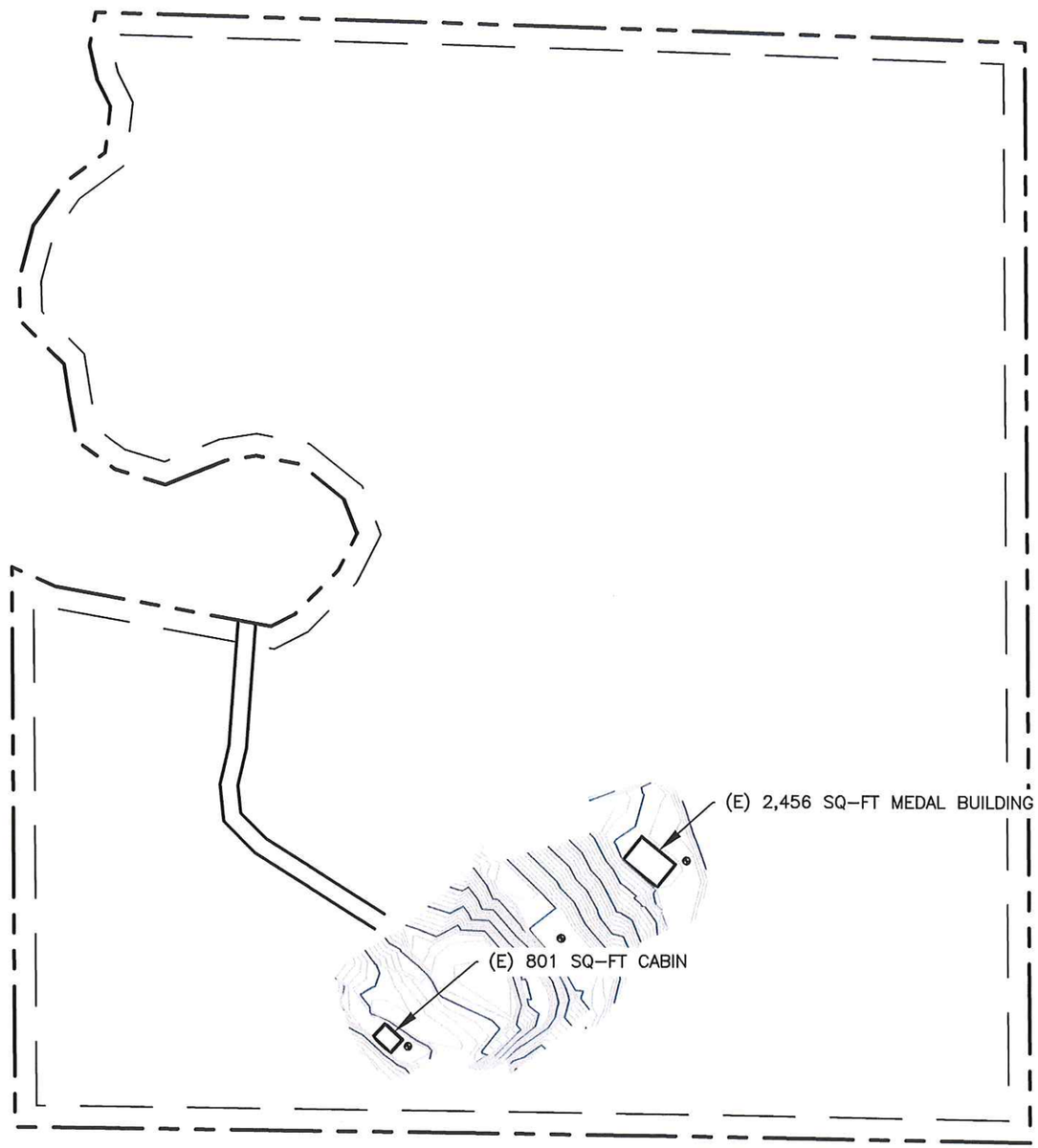
NOTES:

1. PRIVATE WATER & POWER
2. BUILDING SETBACK(S): 30' PERIMETER
3. NO KNOWN EASEMENTS
4. UNKNOWN NUMBER OF TREES 12" DIAM. OR GREATER HAVE BEEN REMOVED
5. NO KNOWN STREAM(S), SPRING(S), OR WETLAND(S) IN DEVELOPMENT AREA
6. GRADING OF THIS PROJECT IS ±3,748 CY WHICH IS <5,000 CY AND SHALL BE DESIGNATED "REGULAR GRADING"
7. ANY FILL MATERIAL SHALL NOT CONTAIN ANY IRREDUCIBLE MATERIAL (ROCK) >12" DIAM. OR CONTAIN AMOUNTS OF ORGANIC MATERIAL DETRIMENTAL TO THE STRUCTURAL INTEGRITY OF THE FILL
8. OWNERS &/OR CONTRACTOR ARE TO FOLLOW EROSION & SEDIMENT CONTROL MEASURES OUTLINED ON SHEET 11.
9. RE-VEGETATE ALL DISTURBED AREAS W/ NATIVE GRASSES & COVER W/ STRAW MULCH. KEEP MOIST UNTIL VEGETATION HAS BECOME ESTABLISHED
10. TEMPORARY SILT FENCE TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION PROCESS. DETAILS ON SHEET EIGHT.
11. CUT/FILL SHALL HAVE SLOPES OF 2H:1V UNITS OR LESS

DIRECTIONS:
EXIT US-HWY 101 (685) CA-36 E
LEFT ONTO CA-36 E (32.2 MILES)
RIGHT ONTO LARABEE BUTTES ACCES ROAD (1.0 MILE)
40.446075, -123.701040

LEGEND

- PROPERTY LINE
- BUILDING OUTLINES
- GROUND CONTOURS
- PROPERTY SETBACK
- EDGE OF DRIVEWAY
- TEST HOLE LOCATION



LEGAL

ADDRESS: LARABEE BUTTES ACCESS RD.
BRIDGEVILLE, CA 95526

ASSESSOR'S PARCEL NUMBER:
210-054-009

OWNER: PHILLIP VIVEIROS
48 JOHNSON LANE
CARLOTTA, CA 95528
PHONE: (707) 599-8444

SETBACK: 30' PERIMETER

LOT SIZE: 34.06 ACRES

DISCLAIMER:

MAPPING INFORMATION PROVIDED IS FOR SOILS REPORT PURPOSES ONLY.

THIS SITE PLAN REFLECTS MANY MAPPING DETAILS THAT ARE USEFUL TO ASSURE THAT THE SEPTIC DESIGN IS LOCATED APPROPRIATE TO ITS SURROUNDINGS. HOWEVER, NONE OF THE INFORMATION SHOWN IS IMPLIED TO SUGGEST OR SUBSTITUTE FOR A CONTRACTED ACTUAL LAND SURVEY.

A. M. BAIRD, ENGINEERING AND SURVEYING, INC. ASSUMES NO RESPONSIBILITY ARISING FROM THE USE OF INFORMATION PROVIDED, OTHER THAN WHAT HAS BEEN SPECIFICALLY INTENDED FOR THE SOILS REPORT.

N

SCALE 1"=200'

0 100 200 400

NO.	DATE	DESCRIPTION
		REVISIONS

A.M.Baird
Engineering & Surveying, Inc.
1257 Main Street, P.O.Box 396,
Fortuna, CA 95540, (707) 725-5182

SCALE: 1"= 200'
DRAWN BY: PDS
CHKD: A.M.B.
DATE: 5/22/2019

PHILLIP VIVEIROS
AP# 210-054-009
LARABEE BUTTES ACCESS RD., BRIDGEVILLE, CA

R-2 SOILS SITE PLAN

SITE PLAN

JOB # 19-4836

SHEET # 1 OF 1

D:\Desktop\PETER\VIVEIROS-19_4836\19-4836 VIVEIROS (R B LEE)\DWG\VIVEIROS-19_4836.SITEPLAN.ASBUILT.1.dwg, 6/3/2019 3:36:20 PM

A.M. BAIRD
ENGINEERING & SURVEYING, INC.
1257 Main Street • P.O. Box 396 • Fortuna, CA. 95540 • (707) 725-5182 • Fax (707) 725-5581

CONSULTING – LAND DEVELOPMENT – DESIGN – SURVEYING

Project: VIVEIROS
AP#: 210-054-009

by: PDS
Lab Test Date: 25 MAY, 2019

1	**2**	**3**	SAMPLE NUMBER
1	2	3	TEST HOLE
0-2	0-2	0-2.	Depth (ft)
817	829	878	TOTAL SAMPLE WEIGHT (gm)
460	366	521	Coarse Weight (gm)
75	75	75	A. Ovendry Weight (gm)
13:26	13:28	13:30	B. Starting Time (hr:min:sec)
68	67.8	67.8	C. Temp @ 40 sec. (°F)
40	29	30	D. Hydrometer Reading @ 40 sec. (gm/l)
-6.5	-6.54	-6.54	E. Composite Correction (gm/l)
33.5	22.46	23.46	F. True Density @ 40sec. (gm/l), (D-E)
68.1	68	68	G. Temp @ 2 hrs. (°F)
21	16	15	H. Hydrometer Reading @ 2hrs. (gm/l)
-6.48	-6.5	-6.5	I. Composite Correction (gm/l)
14.52	9.5	8.5	J. True Density @ 2 hrs. (gm/l), (H-I)
55.3	**70.1**	**68.7**	K. % Sand = 100 -[(F/A) x 100]
19.4	**12.7**	**11.3**	L. % Clay = (J/A) x 100
25.3	**17.3**	**19.9**	M. % Silt = 100 - (K +L)
ZONE 2			N. USDA Texture
SANDY LOAM	**LOAMY SAND**	**SANDY LOAM**	O. Soil Percolation Suitability Chart Zone
44.7	**29.9**	**31.3**	P. Combined % Silt and Clay
56.3	44.1	59.3	Q. Coarse % by weight
8.2	6.0	8.7	R. % Coarse Adjustment*

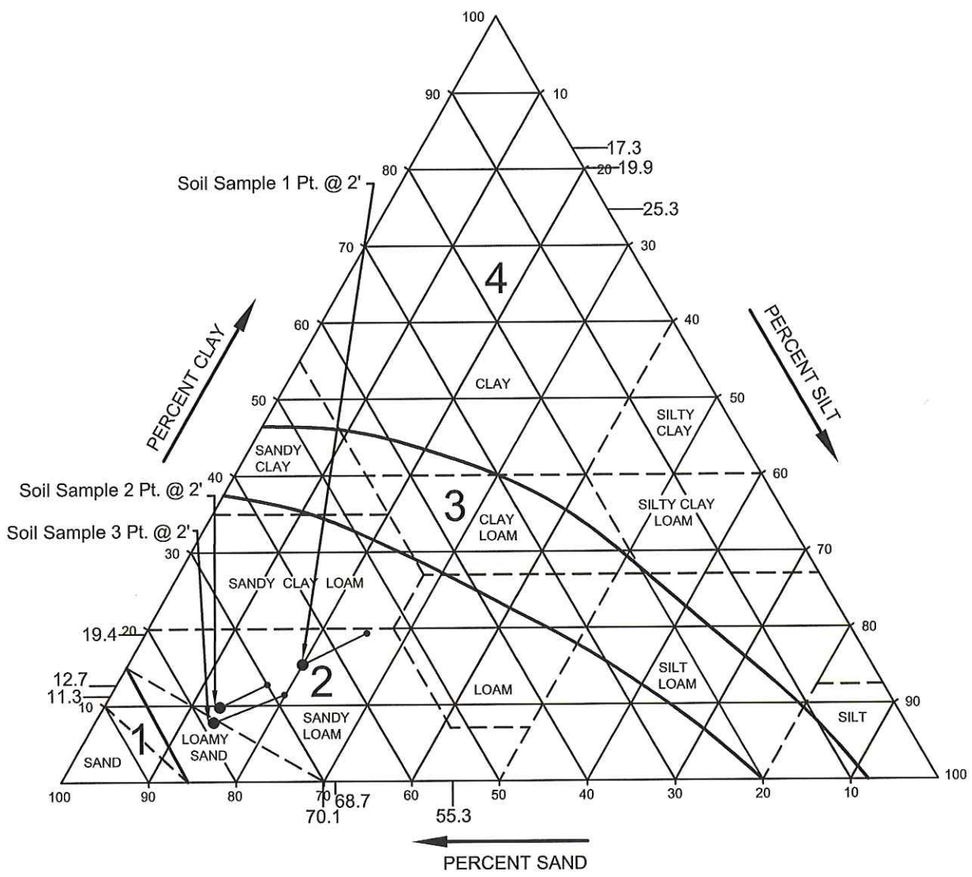
* [(.2)(.00003Q^3+.0006Q^2+.5968Q-.0941)]

A.M. BAIRD
ENGINEERING & SURVEYING, INC.
1257 Main Street • P.O. Box 396 • Fortuna, CA. 95540 • (707) 725-5182 • Fax (707) 725-5581

CONSULTING – LAND DEVELOPMENT – DESIGN – SURVEYING

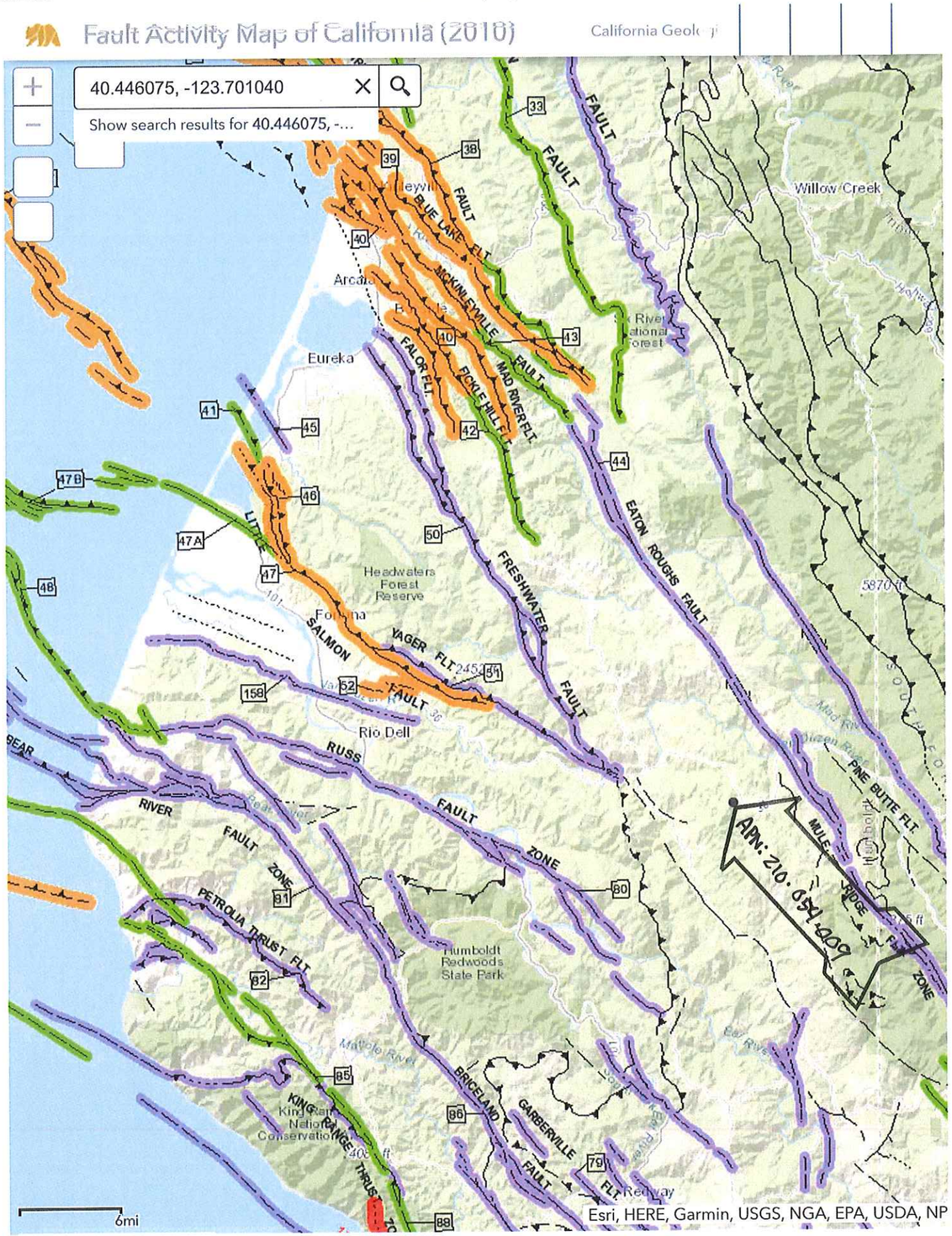
CLIENT: VIVEIROS DATE: 6/3/2019

APN: 210-054-009



1. COARSE ADJUSTMENT: Soil Sample 1 @ 2' = 8.2%; Soil Sample 2 @ 2' = 6.0%; Soil Sample 3 @ 2' = 8.7%

D:\Desktop\PETER\VIVEIROS-19_4836\VIVEIROS-19_4836-R2SOIL-CHART.dwg, 6/3/2019 2:52:29 PM



-123.181 41.051 Degrees

Abatement Expenses

4/8/19	Eugene Denson (attorney)	$4000
Total for the Ed Denson $4000		
4/8/19	A.M. Baird Engineering (deposit)	$3000
4/30/19	A.M. Baird Engineering	$1268.50
6/4/19	A.M. Baird Engineering	$1877
6/27/19	A.M. Baird Engineering	$4663.75
Total for A.M. Baird $10,809.25		
4/10/19	Steve Hohman (Forester)	$4500
5/15/19	Steve Hohman	$2000
7/1/19	Steve Hohman	$935
8/1/19	Steve Hohman	$150
Total for Steve Hohman $7585		
5/23/19	CA Dept Fish and Wildlife	$2980
7/1/19	CDFW Cannabis Application feel	$5313
Total for CDFW $8293		
4/23/19	Fortuna Iron	$91.81
6/26/19	Fortuna Iron (fuel and gen containments)	$7127.87
Total for Fortuna Iron $7219.68		
5/3/19	Hilfiker (Culvert)	$5010.54
6/10/19	Hilfiker	$8.13
Total for Hilfiker $5018.67		

4/10/19 – 5/3/19 Misc receipts from Tractor Supply and Nilsen Feed Company for Rice Straw and grass feed required for all the roads and landing on the property (not included is Phil's labor to replace 3 other culverts, create compacted rolling dips, or fuel costs) $1344.66

Abatement Total $44270.26

Additional Fees accrued for the LSA 1600 application

8/19/19	CDFW additional fee	$596
	(to "touch the water" while replacing the culvert)	
12/6/2019	Steve Hohman report to Cal Fire (re 3 acre conversion)	$2000
9/13/19	Keith Winniger hauled rock for us for culvert	$2320
9/23/19	Hensell Material/Wycoff Plumbing	$1054.12
	(6" pipe for French drain and filtration fabric paper)	
9/30/19	Grass Hay and Fuel	$1337.53
10/31/19	Tom Bess Rock Quarry	$980.00

4/8/19-11/20/19 Phil's lost his union wages of **equipment owner/operator** after the Paradise Fires. He was prevented from going due to the crisis situation created by the Abatement. Please see the page below itemizing his lost wages.

Note: Consultants have estimated that the cost for this "100 year flood" culvert project, is over $100,000 (Phil was able to do the work himself due to his skill and having the equipment) when we researched it, the labor alone was $115,500, and then when you add in the supplies and permit fees it came to an additional 19,304.54….for a total of $134,804.54!!! ***Please see the attached Hudspeth construction bid, page 16, to verify costs of labor.*** This doesn't include the actual "forest restoration program" that took place prior to getting the LSA permit!!! My point being that if we had to hire this out it would have bankrupted us, but instead Phil lost out on his work season so he could complete this project (without help) by its due date of October 15, 2019. The unpaid Abatement Season was from 4/8/19-10/15/19=171 days.

Subtotal for Additional Abatement Fees	$52,557.91
Lost Wages Incurred	$639,330.00
SubTotal for Abatement (4/19-10/15/19)	$691,887.91
Abatement Paperwork Fee	751.99
Grand Total for Abatement	$692,639.90

Lost Wages

Phil was invited by Operating Engineers to operate his LinkBelt Excavator in Paradise, CA after the Fires had devastated the community. He agreed to go, and had taken the Required HazMat Course (see attachment). The Season was to begin 4/8/19 and end right before Thanksgiving 11/20/19. This was his first opportunity to work his excavator through the Union, and he was to work 10 hour days, 6 days a week. According to prevailing wage and Hudspeth's approved Bid (pg16) for another Project...

202 day season at 10 hour days, 6 days a week

Daily Rates for Equipment Use

$210 an hour or $1680 day, plus 20%

Equipment Operator Wages

$75 (st) or $112.50 (ot)

Lodging

$160 day

Per Diem

$50 day

Lost Earnings for the 2019 Season:

$1680 x 202=$339,360	for Equipment Rates
$825 x 202=$166,650	for Wages including 2 hours of overtime each day
$160 x 202=$32,320	for Daily Lodging
$50 x 202=$10,100	for Per Diem

Sub Total=$548,430

Plus 20%=$45,450

Grand Total=$639,330

Farm Receipts for 2021

Misc Receipts (Farm repair, garden amendments)	9756.02
Diesel for 1000 gallon tank for drying (no receipts)	5,000.00
Highline Nursery (400 clones)	3200.00
Hendrix Farms (100 clones)	1200.00
Department of Cannabis Control (state license fee)	4820.0
County Weed Tax	10,840.00
Department of Agriculture (Weights & Measures)	122.20
Harbers Insurance (Bond renewal)	100.00
Humboldt County Environmental Health (CUPA)	592.05
Happy Frog Dirt (lost receipts)	15000.00
Golden Bear Insurance Company	2700.00
Grand Total for Expenses	$53,330.27

JOB WORK ORDER

REYNOLDS RV REPAIR
988 Hwy 36, FORTUNA, CA 95540
(707) 725-3426 / FAX (707) 725-1812
BAR #ARD00238805

No. 029054

				DATE OF ORDER 7/7/21	
STOMER'S ORDER NO	PHONE		MECHANIC	HELPER	STARTING DATE / /
L TO					ORDER TAKEN BY
DRESS					☐ DAY WORK ☐ CONTRACT ☐ EXTRA
Y					
B NAME AND LOCATION					
					JOB PHONE

CRIPTION OF WORK

3.70

Part CASH

TOTAL MATERIALS	3	70
TOTAL LABOR		
TAX		29
TOTAL AMOUNT	$ 3	99

COMPLETED / / | WORK ORDERED BY

☐ No one home ☐ Total amount due for above work: or ☐ Total billing to be mailed after completion of work

ature

I hereby acknowledge the satisfactory completion of the above described work.

JWOCC-870-3
TED IN U.S.A

Total Receipts 144.07

REYNOLDS RV REPAIR
2575 KENMAR RD
FORTUNA, CA 95540-9210
707-725-3426

SALE

REF#: 00000002

Batch #: 221
07/12/21 09:36:33
APPR CODE 09197B
Trace: 2
MASTERCARD Chip
**********0751 **/**
AMOUNT $140.08

APPROVED

CAPITAL ONE
APP CODE 09197B
TVR 00 00 00 00 00
TSI E800

THANK YOU

CUSTOMER COPY

JOB WORK ORDER

REPAIR
, CA 95540
7) 725-1812
805

No. 029091

				DATE OF ORDER 7/11/21	
			MECHANIC	HELPER	STARTING DATE / /
					ORDER TAKEN BY
					☐ DAY WORK ☐ CONTRACT ☐ EXTRA
					JOB PHONE

2 @ 15.00 130.00

Sta Lab

TOTAL MATERIALS	130	00
TOTAL LABOR		
TAX	10	08
TOTAL AMOUNT	$ 140	08

DATE COMPLETED / / | WORK ORDERED BY

☐ No one home ☐ Total amount due for above work: or ☐ Total billing to be mailed after completion of work

Signature

I hereby acknowledge the satisfactory completion of the above described work.

JWOCC-870-3
PRINTED IN U.S.A

Bayside Garden Supply

8/27/2021 3:07:24 PM, FRI
Ticket: 410680 - RegID: 5
Location: Main
Clerk: Max

s
Customer ID: greg s

Qty	Description	Amount
2	Earth Juice Seablast Bloom 40 lbs (ST) (Was $174.95, Saved 16%)	$294.30

Sub Total: $294.30
Tax: $22.81
Total: $317.11

Item Count: 2

Payments	Amount
VISA	$317.11
Total:	$317.11

Total Saved: 16%

Thank You for visiting!
Discounts are based on MSRP. No Returns on amendments, mediums, liquids, pesticide, fungicide, compost, soil, carbon filters, ston, dayton heaters or solar panels. Returns are case by case basis guided by manufacture and our discretion. Returns must be within 30 days of purchase, in like new condition with receipt.
Any Return is subject to 20% restocking fee. No returns on special orders.
Warranties are honored per the manufacture's guidelines. For home use pesticides: The purchaser was not required to obtain an operator identification number and no recommendation has been made, or provided to, the seller concerning the use of the pesticide covered by this invoice.

THANK-YOU THANK-YOU THANK-YOU
PIERSON BUILDING CENTER
4100 BROADWAY
EUREKA, CA 95503
(707) 441-2700

CELEBRATING OVER 50 YEARS!
HUMBOLDT COUNTY'S HOME CENTER
04/28/21 11:25AM 122 612 SALE

756553 400 EA .486EA D
5 1/2IN DURA POTS $194.40

SUB-TOTAL:$ 194.40 TAX: $ 16.52
TOTAL: $ 210.92
BC AMT: $ 210.92

BK CARD#: XXXXXXXXXXXX0873
MID:********8993 TID:***4002
AUTH: 03903D AMT: $ 210.92
Host reference #:056730 Bat#

Authorizing Network: VISA

Chip Read
CARD TYPE:VISA EXPR: XXXX
AID : A0000000031010
TVR : 8080008000
IAD : 0601120360A000
TSI : 6800
ARC : 00
MODE : Issuer
CVM :
Name : VISA CREDIT
ATC :002D
AC : 10F679E4FCAC52A4
TxnID/ValCode: 373412

Bank card USD$ 210.92

==>> JRNL#V56730 <<==
CUST NO:*5

THANK YOU PHILLIP VIVEIROS
FOR YOUR PATRONAGE

Acct: CASH CUSTOMER

Customer Copy

Northcoast Horticulture Supply
126 Dinsmore Dr.
Fortuna, California 95540
707-725-5550

Sales Receipt

Transaction #: 460307
Date: 4/3/2021 Time: 11:43:10 AM
Cashier: Dunigan Register #: 2

Qty	Description
2	Dolomite Lime AG No 65 50# SKU:350077 Was $8.99 You Saved ($8.59 each)
2	Gypsum 40# (Soln-soil) SKU:115655 Was $13.59 You Saved 0% ($13.59 each)

Sub Total
Sales Tax
Total

Cash Tendered
Change Cash

460307

HAVE FUN IN THE GARDEN!

All sales are final on clearance, special orders and discount rack items.

No exchanges or refunds on bulbs, liquids, filters, soils or CO_2 tanks.

Return Policy
All returns require original rece
Returns must include all packag
accessories and attachment
Returns must be in like-new con
Returns with receipt may be refu
or exchanged. Without a receip
returns are at the store's discr

Northcoast Horticulture Supply
126 Dinsmore Dr.
Fortuna, California 95540
707-725-5550

Sales Receipt

Transaction #: 460307
Date: 4/3/2021 Time: 11:43:10 AM
Cashier: Dunigan Register #: 2

Qty	Description	Price
2	Dolomite Lime AG No 65 50# SKU: 350077 Was $8.99 You Saved [illegible] ($8.99 each)	$17.98
2	Gypsum 40# (Sofn-soil) SKU: 115655 Was $13.59 You Saved 0% ($13.59 each)	$27.18

Sub Total	[illegible]16
Sales Tax	[illegible]
Total	$49.00
Cash Tendered	[illegible].00
Change Cash	$11.00

460307

HAVE FUN IN THE GARDEN!

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Return Policy
All returns require original receipt. Returns must include all packaging, accessories and attachments. Returns must be in like-new condition. Returns with receipt may be refunded or exchanged. Without a receipt, all returns are at the store's discretion.

Total Recipts 577.03

THANK-YOU THANK-YOU THANK-YOU
PIERSON BUILDING CENTER
4100 BROADWAY
EUREKA, CA 95503
(707) 441-2700

CELEBRATING OVER 50 YEARS!
HUMBOLDT COUNTY'S HOME CENTER
05/04/21 9:29AM 122 612 SALE

756553 100 EA .54 EA
5 1/2IN DURA POTS $54.00

SUB-TOTAL:$ 54.00 TAX: $ 4.59
TOTAL: $ 58.59
BC AMT: $ 58.59

BK CARD#: XXXXXXXXXXXX0873
MID:********8993 TID:***4002
AUTH: 01437D AMT: $ 58.59
Host reference #:008389 Bat#

Authorizing Network: VISA

Chip Read
CARD TYPE:VISA EXPR: XXXX
AID : A0000000031010
TVR : 8080008000
IAD : 06011203602000
TSI : 6800
ARC : 00
MODE : Issuer
CVM :
Name : VISA CREDIT
ATC :002E
AC : 663561D1E4C04B39
TxnID/ValCode: 378218

Bank card USD$ 58.59

==>> JRNL#W08389 <<==
CUST NO:*5

THANK YOU PHILLIP VIVEIROS
FOR YOUR PATRONAGE

Acct: CASH CUSTOMER

Customer Copy

Northcoast Horticulture Supply
126 Dinsmore Dr.
Fortuna, California 95540
707-725-5550

Sales Receipt

Transaction #: 461784
Date: 4/15/2021 Time: 2:12:04 PM
Cashier: Gabriel Register #: 1

Qty	Description	Price
4	Dolomite Lime AG No 65 50# SKU: 350077 Was $8.99 You Saved 0% ($8.99 each)	$35.96
2	Gypsum 40# (Sofn-soil) SKU: 115655 Was $13.59 You Saved 0% ($13.59 each)	$27.18

Sub Total $63.14
Sales Tax $5.37
Total $68.51

Cash Tendered $100.00
Change Cash $31.49

461784

HAVE FUN IN THE GARDEN!

All sales are final on clearance, special orders and discount rack items.

No exchanges or refunds on bulbs, liquids, filters, soils or CO2 tanks.

Return Policy
All returns require original receipt. Returns must include all packaging, accessories and attachments. Returns must be in like-new condition. Returns with receipt may be refunded or exchanged. Without a receipt, all returns are at the store's discretion.

FORTUNA ACE HARDWARE
140 S. FORTUNA BLVD
FORTUNA CA 95540
04/01/2021 12:10
GIFT CARD
ACTIVATE

Card # XXXXXXXXXXXX7725
SEQ #: 1
Batch #: 0
Trans #: 1001
Approval Code: 050000
Entry Method: Swipe
Mode: Online

ACTIVATE AMOUNT $500.00

THANK YOU

CUSTOMER COPY

FORTUNA ACE HARDWARE
140 S. FORTUNA BLVD
FORTUNA CA 95540
09/08/2021 18:1
GIFT CARD
ACTIVATE

Card # XXXXXXXXXXXX128
SEQ #:
Batch #:
Trans #: 100
Approval Code: 10000
Entry Method: Swip
Mode: Onlin

ACTIVATE AMOUNT $1000.0

THANK YOU

CUSTOMER COPY

Receipts Total
1627.50

UNITED STATES POSTAL SERVICE®

CUSTOMER'S RECEIPT

SEE BACK OF THIS RECEIPT FOR IMPORTANT CLAIM INFORMATION

NOT NEGOTIABLE

Pay to North Coast Unified Air Quality

Address 707 L Street Eureka, CA 95501

Burn Permit

KEEP THIS RECEIPT FOR YOUR RECORDS

Serial Number	Year, Month, Day	Post Office	Amount	Clerk
27097134423	2020-11-18	955650	$40.00	0000

THANK YOU FOR SHOPPING AT
Fortuna Ace Hardware
140 S Fortuna Blvd
Fortuna, Ca 95540
707-725-8647
(707) 725-8647

EVERYONE HERE AT ACE WOULD LIKE TO
THANK YOU FOR SHOPPING WITH US.
04/01/21 9:09AM CC 551 SALE

J799 1 EA 500.00 EA *N
RENNER GAS CARD 500.00

SUB-TOTAL:$ 500.00 TAX: $ .00
CASH TEND: 500.00 TOTAL: $ 500.00

<<==

==>> JRNL#J36255
CUST NO:*5
Customer Copy

THANK YOU FOR SHOPPING AT
NILSEN FEED & GRAIN CO.
(707) 786-9501

04/28/21 12:30PM ART 561 SALE

101037 64 EA 10.441EA DN
OCEAN FOREST POTTING SOIL 1.5 668.22
Regular Price: 10.99

SUB-TOTAL:$ 668.22 TAX: $ .00
TOTAL: $ 668.22
CASH TEND: 700.00 CHANGE: 31.78

Total Items: 64

<<==

==>> JRNL#E73919/2
CUST NO:*2
Customer Copy

Northcoast Horticulture Supply
126 Dinsmore Dr.
Fortuna, California 95540
707-725-5550

Sales Receipt

483344
Time: 4:09:31 PM
Register#: 2

Date	Price
2021	
ite	
==========	==========
ription	$162.77
rthrive 1gal	
: 919627	
$191.49 You Saved 15%	
==========	==========
Sub Total	$162.77
Sales Tax	$13.84
Total	$176.61
Cash Tendered	$200.00
Change Cash	$23.39

You saved $28.72

483344

HAVE FUN IN THE GARDEN!

All sales are final on clearance, special orders and discount rack items.

No exchanges or refunds on bulbs, liquids, filters, soils or CO2 tanks.

Return Policy
All returns require original receipt. Returns must include all packaging, accessories and attachments. Returns must be in like-new condition. Returns with receipt may be refunded or exchanged. Without a receipt, all returns are at the store's discretion.

THANK YOU!
PLEASE COME AGAIN

Date 04/01/21
Time 09:38:04am
Tran# 78368
Seq# 001981
Auth# 050000
Type GIFT
XXXXXXXXXXXXXXXX7725

Product: Dyed ULSD 2
Pump# 9
Price 3.499
Gallons 89.523
Amount 313.24
Total 313.24
Savings: 8.95

GIFT CARD BALANCE

Your remaining balance is $186.76

You saved $8.95 by using a gift card

R&M RENNER PETROLEUM
597 Fernbridge Drive
Fernbridge, CA 95540

Receipts Total

1698.17

Kamino LLC
PO Box 676
Fortuna, CA 95540 US
jennifer@humboldthighline.com

Invoice 2361

HIGHLINE NURSERY

BILL TO	SHIP TO
Humboldt Grown Outlaw Farms / Philip Viveiros 1068 Larrabee Butte Access rd Bridgeville, CA 95526	CCL20-0001156

DATE	PLEASE PAY	DUE DATE
04/26/2021	$3,200.00	04/27/2021

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	Clones	BSC	200	8.00	1,600.00
04/27/2021	**Clones**	LOG	200	8.00	1,600.00

No checks accepted unless approved by the accounting department.

TOTAL DUE $3,200.00

Please pay via cash, cash equivalents, or wire transfer.

THANK YOU.

Weigh-master License # 100441
Nursery License # CCL18-0000768
Cultivator C13-0000026-LIC

22x50 = 3,200
8x100

4/27/21

Grass Valley Patient Resource Group
1850 Murray Rd., Suite B
Mckinleyville, CA 95519 US
+1 7078405667
info@hendrx.farm
https://www.hendrx.farm

HENDRX
HUMBOLDT COUNTY CALIFORNIA

INVOICE

BILL TO
Moriah Miranda
Humboldt Grown Outlaw Farms
48 Johnson Ln
Carlotta, Ca 95528

SHIP TO
Moriah Miranda
Humboldt Grown Outlaw Farms
1068 Larabee Buttes Rd.
Unincorporated, Ca 95526

INVOICE	1170
DATE	04/22/2021
DUE DATE	04/22/2021

CUSTOMER LICENSE #
CCL20-0001156

PHONE NUMBER
(707) 768-9161

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
04/13/2021	Something Blue	Clone	100	10.00	1,000.00
	Delivery	Service	2	100.00	200.00

HendRx Farm requests a 50% deposit for all pre-order reservations. We can accept payment in the form of cash deposits by appointment, check or money order, bank transfer, or credit card payments. Please Remit payments to

HenRX Farm
PO Box 2487
Mckinleyville CA 95519

For bank transfers or to schedule a credit card payment please contact info@hendrx.farm or daniel@hendrx.farm

PAYMENT	1,200.00
BALANCE DUE	**$0.00**
	PAID

Department of
Cannabis Control
CALIFORNIA

Ri

BATCH REPORT

MACHINE S/N: 1123112581932 4
AUDIT: 00139-0139-000
08/11/2021 10:08:19

	DENOM	UNIT	VALUE
USD	20	1	20
USD	100	48	4,800
	TOTAL	49	4,820

INVOICE

Invoice Number: 47712
Invoice Date: 08/10/2021
Application ID: CCL20-0001156-R01
Legal Business Name: Humboldt Grown Outlaw Farms

Business Mailing Address: 1068 Larabee Buttes Rd. Bridgeville, CA 95526

QTY	DESCRIPTION	FEE AMOUNT
1	Small Outdoor - Renewal Fee	$4,820.00
	TOTAL INVOICE	$4,820.00

☒ CASH
☐ CHECK
☐ MONEY ORDER

STATE OF CALIFORNIA
DEPARTMENT OF CONSUMER AFFAIRS
SACRAMENTO

ATS/Breeze No. _____

RECEIPT No. 637655

Cashiering Rept. No. _____

Eureka, CA Date August 11th 20 21

RECEIVED FROM Humboldt Grown Outlaw Farms

four-thousand eight-hundred twenty and 0/100N DOLLARS ($ 4,820-)

For the Account of CCL20-0001156-R01
CDFA Invoice # 47712

No. _____

By _____ *Authorized Signature*

FORM DCA 172

ACCOUNT SUMMARY LISTING

Excise Tax

Business Information

Name: 210-054-009-000

Account No: 001627

Street Address: 48 JOHNSON LN

City, State, ZIP: CARLOTTA, CA 95528

Current Period ending: 12/31/2021

Account Transaction History

Period Ending	Fees	Penalties	Adjustments	Payments	Balance
12/31/2021	$5,420.00	$0.00	$0.00	$5,420.00	$0.00
06/30/2021	$5,420.00	$0.00	$0.00	$5,420.00	$0.00
TOTAL	**$10,840.00**	**$0.00**	**$0.00**	**$10,840.00**	**$0.00**

Payment History

Date	Method	Amount	Receipt #
02/02/2021	Money Order	$1,000.00	00000058
02/02/2021	Money Order	$1,000.00	00000057
02/02/2021	Cash	$8,840.00	00000056
	TOTAL PAID	**$10,840.00**	

TOTAL CHARGES	**$10,840.00**
TOTAL PAYMENT	**$10,840.00**
TOTAL DUE	**$0.00**

HUMBOLDT COUNTY
PAID
FEB 0 2 2021
B
TAX COLLECTOR

UNITED STATES POSTAL SERVICE®

CUSTOMER'S RECEIPT

SEE BACK OF THIS RECEIPT FOR IMPORTANT CLAIM INFORMATION

NOT NEGOTIABLE

Pay to Humboldt County Dept. of Agriculture

Address Weights & Measures

KEEP THIS RECEIPT FOR YOUR RECORDS

For Fiscal Year 7/1/2021 - 6/30/2022

Serial Number	Year, Month, Day	Post Office	Amount	Clerk
27441409454	2021-06-09	955650	$122.20	0000

File Number: 28-121

Billing Date: 06/03/2021

Due Date: **06/30/2021**

HUMBOLDT GROWN OUTLAW FARMS
48 JOHNSON LN
CARLOTTA, CA 95528

County Fees	$20.00
CDFA DMS Fees	$2.20
Location Fee	$100.00
Penalty	$0.00
Total Due*	**$122.20**

*** If the total amount is not received by the Due Date, a $120.00 penalty may be charged.**

REGISTRATION INFORMATION

Please update information, sign and return the entire form with your payment to the address above.

Device Location Address:

1068 LARABEE BUTTES RD

BRIDGEVILLE

Phones:

Business: 707-768-9161

Cell: 707-499-8444

Fax:

Owner/Mgr Name & Email (PLEASE PRINT)

MORIAH

MIRANDA

Email: moriahmiranda53@gmail.com

Type of Business: CANNABIS

Measuring Device counts	**Fees*	*Weighing Device counts*	**Fees*
___ Added Location Fees	100/0	___ Class II (Non-Prescription/Jeweler)	50/2.20
___ Cordage	20/2.20	___ Computer/POS Scale	23/2.20
___ Electric Mtr	3/0.50	___ Counter Scale	20/2.20
___ Gas/Diesel Pump	20/1.10	___ Dormant Scale<10k lbs	150/16
___ Hi-Flow Fuel/ Veh Mtrs	75/2.20	___ Dormant Scale>10k lbs	250/16
___ LPG Meter (Truck/Stnry)	185/16	___ Hanging Scale	20/2.20
___ Odometers	20/1.10	___ Livestock Scale	100/16
___ Retail Water Dispenser	20/2.20	___ Monorail Scale	20/1.10
___ Taxi Meter	60/2.20	___ Platform Scale >2k lbs	150/16
___ Vapor (Gas) Meter	4/0.50	1 Platform Scale, <2k lbs	20/2.20
___ Water Sub-meter	2/0.50	___ Spring Scale	20/2.20
		___ Truck/Veh Scale	200/12

*Fees: County Fee / CDFA DMS Fee (per Device)

Moriah Miranda
Registrant's Signature

Owner | Manager
Title

Miriah Miranda
Registrant's Printed Name

June 14, 2021
Date

The Weights Measures Division of the Humboldt County Department of Agriculture maintains a Commercial Device Registration Program for the purpose of meeting State mandates to protect consumers in commercial transactions. ((CA Business and Professions Code Sections 12210 (a) and 12240) and (Humboldt County Code Sections 715-1 to 715-11)).

A Certificate of Registration, which shall be your receipt of payment, will be mailed to you within 30 days:

Please make check payable to: Humboldt County Department of Agriculture

Bills may now be paid using Online Payments at: http://www.co.humboldt.ca.us/ag/.
Navigate to the end of the page and click on the blue underlined word "pay".

UNITED STATES POSTAL SERVICE®

CUSTOMER'S RECEIPT

SEE BACK OF THIS RECEIPT FOR IMPORTANT CLAIM INFORMATION

NOT NEGOTIABLE

Pay to Harbers Insurance

Address

Bond #5287707 21/22 Renewal

KEEP THIS RECEIPT FOR YOUR RECORDS

Serial Number	Year, Month, Day	Post Office	Amount	Clerk
26966377890	2021-04-27	955280	$100.00	0000

Invoice

imboldt Grown Outlaw Farms

/26/2021

Page	1 of 1

Bill to:
Humboldt Grown Outlaw Farms

1068 Larabee Buttes Rd
Bridgesville, CA 95526

Payment Information	
Invoice Summary	Bond # 5287707 21/22 RENEWAL
Payment Amount	$100.00

Thank you

Please detach and return with payment

Client:

Invoice	Due Date	Transaction	Description	Amount
1	05/01/2021	21/22 Renewal	Cannabis Bond# 5287707 21/22 Renewal	$100.00

Payable to Harbers Insurance Agency.

Total
$100.00

Harbers Insurance Agency Inc.
707-725-3316

Date
04/26/2021

UNITED STATES POSTAL SERVICE®

CUSTOMER'S RECEIPT

YMENT TO:

SEE BACK OF THIS RECEIPT FOR IMPORTANT CLAIM INFORMATION **NOT NEGOTIABLE**	Pay to Humb. Co. Environmental Health Address WPA Permit	KEEP THIS RECEIPT FOR YOUR RECORDS

Serial Number	Year, Month, Day	Post Office	Amount	Clerk
26966380702	2021-10-28	955280	$592.05	0000

$	498.05
$	84.00
$	10.00

Your Account Information as of 10/1/2021

Humboldt Grown Outlaw Farms
1068 Larabee Buttes RD
Bridgeville, CA 95526

1-30 Days	31-60 Days	61-90 Days	91-120 Days	121+ Plus	Invoice Amount Due
$ 592.05	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 592.05

Warning - Fees must be postmarked by the last day of the month to avoid permit expiration and/or further legal action by this division including penalty fees.

5002.rpt

Golden Bear Insurance Company

COMMON POLICY DECLARATIONS

Policy Number: GBP 01306-00 **Renewal Of:** N/A - New Policy

Named Insured:	**Producer:**
Humboldt Grown Outlaw Farms 48 Johnson Ln. Carlotta, CA 95528	Crouse & Associates Insurance Brokers, Inc. 650 California Street, Suite 2900 San Francisco, CA 94108

License: TBD

Covered Operation(s): Distributor

Covered Premises:

1.1) 1068 Larrabee Buttes Road, Bridgeville, CA 95526

Policy Period From: January 19, 2021 **To:** January 19, 2022

At 12:01 am Standard Time at your mailing address shown above

In return for the payment of premium, and subject to all the terms and conditions of this policy, we agree with you to provide the insurance as stated in this policy. This policy consists of the Declarations together with all coverage forms listed in Forms Schedule GB-M-FS01 (12/15) that apply to that Coverage Part or Parts where a Premium is indicated below. This premium may be subject to adjustment.

COVERAGE PARTS	**PREMIUM**
Commercial General Liability	$2,000.00
Commercial Property	$450.00
Coverage for Certified Acts of Terrorism	Excluded - N/A
Premium Subtotal	$2,450.00
Policy Fee (fully-earned)	$100.00
Inspection/Audit Fee (fully-earned)	$150.00
C.I.G.A. Charge (if applicable)	N/A
TOTAL:	$2,700.00

Issue Date: 01/20/21

Golden Bear Insurance Company

NOTICE OF POLICY CONDITIONAL RENEWAL OF INSURANCE

POLICY NUMBER:	GBP 01306-00
TYPE OF POLICY:	Commercial Multi-Peril
NAMED INSURED:	Humboldt Grown Outlaw Farms
POLICY EFFECTIVE DATES:	January 19, 2021 – January 19, 2022

This Notice is to advise that we are agreeable to renewing this Policy subject to the following:

Updated Protective Safeguards Requirements for theft coverage.

Updated Rating – Possible rate increase greater than 25%.

General Liability will include Products Liability. We no longer exclude Products Liability under our General Liability policies. An appropriate premium will be charged for this exposure. All rating will be done based on total sales.

Date Mailed: October 28, 2021

Michael D. Brown

Michael D. Brown

Authorized Company Representative

Named Insured & Mailing Address

Humboldt Grown Outlaw Farms
48 Johnson Ln.
Carlotta, CA 95528

Producer

Crouse & Associates Insurance Brokers, Inc.
650 California Street, Suite 2900
San Francisco CA 94108

Jm

RENNER PETROLEUM
597 Fernbridge Drive
Fernbridge, CA 95540

Date : 07/26/21
Time : 09:21:38am
Tran#: 86625
Seq# : 004078
Auth#: 081920
Type : GIFT
XXXXXXXXXXXXXXX7572

Product: Dyed ULSD 2
Pump# : 9
Price : 3.879
Gallons: 82.504
Amount : 320.03
Total : 320.03
Savings: 8.25

GIFT CARD BALANCE

Your remaining
balance is $499.17

You saved $8.25
by using a gift card

THANK YOU!
PLEASE COME AGAIN

RENNER PETROLEUM
2435 Newburg Rd
Fortuna, CA 95540

Date : 12/01/20
Time : 09:38:40am
Tran#: 15001
Seq# : 003700
Auth#: 040000
Type : GIFT
XXXXXXXXXXXXXXXX0770

Product: ULSD Diesel
Pump# : 6
Price : 3.399

Gallons: 110.000
Amount : 373.89
Total : 373.89
Savings: 11.00

GIFT CARD BALANCE

Your remaining
balance is $26.11

You saved $11.00
by using a gift card

THANK YOU!
PLEASE COME AGAIN

Receipts Total 693.92

NNER PETROLEUM
7 Fernbridge Drive
rnbridge, CA 95540

e : 07/26/21
: 09:21:38am
#: 86625
: 004078
#: 081920
: GIFT
XXXXXXXXXXX572

ct: Dyed ULSD 2
: 9
: 3.879
s: 82.50
: 320.00
: 320.00
s: 8.25

RD BALANCE

maining
is $499.17

d $8.25
a gift card

?
HE AGAIN

Dinsmore Store

43819 Hwy 36
Bridgeville, CA 95526
707-574-6388

BALL VALVE SCH80 1/2 8@3.99	31.92 T
ELBOW POLY BARB 1/2 16@.79	12.64 T
MALE ADPT.1/2IN MPT. 16@.49	7.84 T
HARDWARE 8@2.49	19.92 T
SPRAY STK BLK	32.00 T
SPRAY STK BLK	32.00 T
BARB X HOSE FML 5/8"	3.99 T
SUBTOTAL 51	140.31
TAX	10.87
TOTAL	151.18
DUE	151.18
CASH*	200.00
CHANGE DUE	48.82

THANKS FOR SHOPPING WITH US!

06/04/2021 02 3:21 PM

02-211586

FORTUNA ACE HARDWARE
140 S. FORTUNA BLVD
FORTUNA CA 95540

12/01/2020 12:28

GIFT CARD
ACTIVATE

Card #: XXXXXXXXXXXX0770
SEQ #: 110
Batch #: 9
Trans #: 1115
Approval Code: 040000
Entry Method: Swipe
Mode: online

ACTIVATE AMOUNT $400.00

THANK YOU

CUSTOMER COPY

"The Stores Run by Plumbers"

Wyckoff's

540
475

6/1/ :52 PM

BRCH:100 *** INVOICE ***
CASHIER: RR 2106-285131

ACCT # : 1-VIVEPH
JOB # : 0
NAME : VIVEIPOS

12X500DT 1/2" X 5 PIP
2 EA @ .55

SUBTOTAL 9.55
SALES TAX FST 8.50 .26

TOTAL 9.81
AMT PAID 200.00
CHANGE 190.19

Thank you f d
No returns
must be wi

PAYMENT M
CASH

"The Stores Run by Plumbers"

Wyckoff's

Wyckoff Plumbing
2065 Main Street
Fortuna CA 95540
707-725-4475

6/1/2021 12:49 PM

BRCH:1000 *** INVOICE
CASHIER: RR 2106-2

ACCT # : CASH
JOB # : 0
NAME : CASH SALES

2474955 930LF CONNECTION HOSE 1IN FIPX3/4IN
1 EACH @ 22.99EACH 2
1POMT 1" POLY MALE TEE
1 EACH @ 3.69EACH

SUBTOTAL 2
SALES TAX FST 8.50%

TOTAL 2
AMT 2
CHANGE DUE

Thank you for business!
No returns without receipt and
must be within 30 days

PAYMENT METHOD(S)
CASH 26.05

Receipts TOTAL 772.04

Jm

RENNER PETROLEUM
597 Fernbridge Drive
Fernbridge, CA 95540

Date : 09/12/21
Time : 12:34:03pm
Tran#: 90199
Seq# : 008239
Auth#: 100000
Type : GIFT
XXXXXXXXXXXXXXX1289

Product: Dyed ULSD 2
Pump# : 9
Price : 4.099
Gallons: 101.985
Amount : 418.04
Total : 418.04
Savings: 10.20

GIFT CARD BALANCE

Your remaining
balance is $581.96

You saved $10.20
by using a gift card

THANK YOU!
PLEASE COME AGAIN

Receipts Total 2877.46

Northcoast Horticulture Supply
126 Dinsmore Dr.
Fortuna, California 95540
707-725-5550

Sales Receipt

ansaction #: 466956
ate: 6/1/2021 Time: 12:25:19 PM
ashier: Gabriel Re ister #: 1

Qty	Description	Price
20	Bamboo 7FT SE 10u SKU: 2097831 Was $116.69 You Saved 44.3% ($65.00 each)	$1,300.00

Sub Total	$1,300.00
Sales Tax	$110.50
Total	$1,410.50
Cash Tendered	$1,410.50
Change Due	$0.00

You saved $1,033.80

466956

HAVE FU F GARDEN!

All sales e final on clearance, specia ders nd discount rack ter

No xchanges or refunds o ulbs, liquids, filters, soils or CO2 tanks.

Return Policy
All returns require original receipt. Returns must include all packaging, accessories and attachments. Returns must be in like-new condition. Returns with receipt may be refunded or exchanged. Without a receipt, all returns are at the store's discretion.

Bay ide Gar supply
21 11:43:13 AM, WLD
t: 410194 - Reg D: 5
Location: Main
Clerk: Becky

Qty	Description	Amount
1	Earth Juice ablast Bloom 40 lbs (ST) (Was $174.95 Saved 3%)	$169.95

Sub Total:	$169.95
Tax:	$13.18
Total:	$183.13

Item Count: 1

Payments	Amount
CASH	$200.13
Total:	$200.13
Change:	$17.00

Total Saved: 3%

Thank You for visiting!
Discounts are based on MSRP. No Returns on amendments, mediums, liquids, pesticide, fungicide, compost, soil, carbon filters, weston, dayton heaters or solar panels. Returns are case by case basis guided by manufacture and our discretion. Returns must be within 30 days of purchase, in like new condition with receipt.
Any Return is subject to 20% restocking fee. No returns on special orders.
Warranties are honored per the manufacture's guidelines. For home use pesticides: The purchaser was not required to obtain an operator identification number and no recommendation has been made, or provided to, the seller concerning the use of the pesticide covered by this invoice.

orthcoast Horticulture Supply
126 Dinsmore Dr.
Fortuna, California 95540
707-725-5550

Sales Receipt

461972
021 Time: 9:52:33 AM
tha Register #: 3

ption	Price
Powder 44# 40339 6.99 You Saved 20.01% each)	$86.36

Sub Total	$86.36
Sales Tax	$7.34
Total	$93.70
Cash Tendered	$100.00
Change Cash	$6.30

You saved $21.60

461972

AVE FUN IN THE GARDEN!

sales are final on clearance, special orders and discount rack items.

No exchanges or refunds on bulbs, liquids, filters, soils or CO2 tanks.

Return Policy
returns require original receipt. rns must include all packaging, ccessories and attachments. ns must be in like-new condition. ns with receipt may be refunded xchanged. Without a receipt, all ns are at the store's discretion.

A GAS CO.

01 Sequoia Gas Station

CA 95540

qty	amount
31.80	90.63
Sub Total	90.63
Tax	7.70
TOTAL	98.33
CASH $	100.00
Change $	-1.67

COME AGAIN

:SH# 004 DR# 01 TRAN# 28042

18:33:40 ST# AB123

OLOGY EEL RIVER
RIVERWALK DRIVE
RTUNA, CA 95540

12:41:38

CREDIT CARD

VISA SALE

XXXXXXXXXXXX0873

VISA CREDIT

A0000000031010

72

92

23

04455D

Chip Read

Issuer

$224.00

CUSTOMER COPY

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CERTIFICATE

RECOLOGY EEL RIVER
FORTUNA TRANSFER
965 Riverwalk Drive
Fortuna, CA 95540

Truck: 0355441
Customer: 179888/CASH - CUSTOMERS

Origin: 15920/Garberville

Materials & Services
GEND/General Debris

Ticket: 405413
Date: 6/29/2021
Time: 12:30:03 - 12:28:33
INBOUND

Gross: 14460 LBS Scale
Tare: 14280 LBS Scale
Net: 180 LBS
Scale: FR

Quantity 0.08 TON Rate @ $280.00 Amount $25.20

Total Amount: $25.20
Cash $50.00
Change: $14.80

DRIVER PRINT NAME

DRIVER SIGNATURE

SIGNATURE

Printed on recycled paper

DEPUTY WEIGHMASTER SIGNATURE

WASTE ZERO

TOTAL 1146.65

NAPA

NAPA AUTO PARTS FORTUNA
(707) 725-3374
745 11TH STREET
Fortuna, CA 95540

Emp.175 10/06/2021 14:38 (06)

INVOICE 998051

0 PREFERRED CASH CUSTOMER
OR

Description	Qty	Net	Total
UJOINT UJS UJ232	2-	27.49	54.98- T
This item was purchased on invoice # 997045 09/24/2021			
WARRANTY UJS UJ232	1-	27.49	27.49- T
This item was purchased on invoice # 997045 09/24/2021			
1QT SYNGEAROIL VAL 982	4	15.29	61.16 T
Subtotal			21.31 CR
Fortuna Sales Tax 8.5000%			1.81 CR
%			0.00

TOTAL DUE 23.12 CR

Visa 23.12 CR

I agree to pay total amount
according to card issuer agreement.

All SNOW CHAIN SALES
ARE FINAL -**NO
RETURNS ON SPCL ORDERS**
RECEIPT REQUIRED
FOR RETURNS
WARRANTY INFORMATION
AVAILABLE
ON REQUEST
<< STORE COPY >>

Reason _____
Original Invoice # _____
Date: _____ Amount: _____
Approved By: _____
Refund Rec'd By: _____
Customer's Name: _____
Address: _____
City: _____ State: _____ ZIP: _____

[redacted]
ibridge Drive
lge, CA 95540

04/17/21
0:06:13am
9457
06220
18676
IFT
XXXXXXXX7725

Dyed ULSD 2
9
3.499
53.375
186.76
186.76
5.34

D BALANCE

aining
is $.00

d $5.34
a gift card

U!
OME AGAIN

THANK YOU FOR SHOPPING AT
NILSEN FEED & GRAIN CO.
(707) 786-9501

11/01/21 2:36PM JUS 561 SALE

5365085 31 EA 4.99 EA
CHAIN PROOF 3/8" ZN 45' 154.69

H321990 2 BX 7.29 BX
FG FRG CLEV GRAB HK 3/8 14.58

SUB-TOTAL:$ 169.27 TAX: $ 13.12
TOTAL: $ 182.39
CASH TEND: 200.00 CHANGE: 17.61

Total Items: 33

==>> JRNL#F01144/2 <<==
CUST NO:*2
Customer Copy

Dinsmore Store
43819 Hwy 36
Bridgeville, CA 95526
707-574-6388

1 INCH X20FT FUEL H		73.99 T
GORILLA TAPE WIDE 25		18.99 T
1 INCH X20FT FUEL H		73.99 T
MONSTER 12 PK		27.59 T
C.R.V.		.60 F
1IN FUEL NOZZLE		37.99 T
1X3/4 GALV REDUC COU		2.29 T
3/4X2 GALV NIPPLE		1.29 T
3/4X2 GALV NIPPLE		1.29 T
GALV COUPLNG 1IN.		2.99 T
SUBTOTAL	10 241.01	
TAX	18.63	
TOTAL	259.64	
DUE	259.64	
VISA - STANDBE	259.64	
CHANGE DUE	.00	

THANKS FOR SHOPPING WITH US!

11/03/2021 01 5 4:54 PM

01-488768

THANK YOU FOR SHOPPING AT
Fortuna Ace Hardware
140 S Fortuna Blvd
Fortuna, Ca 95540
707-725-8647
(707) 725-8647

EVERYONE HERE AT ACE WOULD LIKE TO
THANK YOU FOR SHOPPING WITH US.
12/04/20 8:28AM MG 555 SALE

5623 2 PA .49 EA
BOLTS .98
83[illegible] 2 EA 41.99 EA
[illegible] RED QUEEN 83.98

SUB-TOTAL:$ 84.96 TAX: $ 7.22
TOTAL: $ 92.18
CASH TEND: 100.00 CHANGE: 7.82

>> JRNL#X51933 <<=
CUST NO:*4303
ACE REWARDS ID # 190290461

Customer Copy

THANK YOU FOR SHOPPING AT
Fortuna Ace Hardware
140 S Fortuna Blvd
Fortuna, Ca 95540
707-725-8647
(707) 725-8647

EVERYONE HERE AT ACE WOULD LIKE TO
THANK YOU FOR SHOPPING WITH US.
12/01/20 9:27AM NH 551 SALE

6314736 1 EA 79.99 EA
SILENT BASEBOARD HEATER 79.99

SUB-TOTAL:$ 79.99 TAX: $ 6.80
TOTAL: $ 86.79
CASH TEND: 100.00 CHANGE: 13.21

==>> JRNL#T53384 <<=
CUST NO:*4303
ACE REWARDS ID # 190290461

Customer Copy

Dinsmore Store
43819 Hwy 36
Bridgeville, CA 95526
707-574-6388

BRASS VALVE 3/4IN.		4.99 T
BARB ELBOW 3/4 FPT		1.09 T
BRASS VALVE 3/4IN.		4.99 T
POLY TEE 3/4S X 3/4		1.29 T
BATTERY TERMINAL		1.29 T
SOIL		100.98 T
2@50.49		
SUBTOTAL	7 114.63	
TAX	8.88	
TOTAL	123.51	
DUE	123.51	
VISA - STANDBE	123.51	
CHANGE DUE	.00	

THANKS FOR SHOPPING WITH US!

06/11/2021 01 1 9:41

01-36744

Recap Total
93.27

NAPA AUTO PARTS FORTUNA
745 11TH ST
FORTUNA, CA 95540
(541) 941-7920

Bank ID: 1383
Merchant ID: 1862
Term ID: 006

Sale

XXXXXXXXXXXX0751
MASTERCARD — Entry Method: Chip

Total: $ 222.00

09/24/21 — 12:11:18
Inv #: 000007 — Appr Code: 06542B
Apprvd: Online — Batch#: 267001
Retrieval Ref.#: 90100001

CAPITAL ONE
AID: A0000000041010
TSI: E800
TVR: 0000008000

Customer Copy

THANK YOU!

I agree to pay total amount according to card issuer agreement.

All SNOW CHAIN SALES
ARE FINAL -**NO
RETURNS ON SPCL ORDERS**
CUSTOMER COPY

900002424
NAPA AUTO PARTS FORTUNA
745 11TH STREET
Fortuna, CA 95540
(707) 725-3374

Time: 12:12 Date: 09/24/2021 Page: 1/2

Employee: 175 , Jeremiah
Sales Rep: 9 , Emily
Accounting Day: 23

Anticipated Time:
Attention:
Tax Exemption:
PO#:
Terms: 1 - Net 10th

Description	Quantity	Price	Net	Total	
1QT SYNGEAROIL 75 (500)	4.00	28.86	15.2900	61.16	T
PX RS GASKET MAKE (210)	1.00	47.60	29.9900	29.99	T
BRAKLEEN 50 ST. 14OZ ()	2.00	12.18	3.5000	7.00	T
Above Item on Sale					
MARVEL MYST OIL GAL ()	1.00	45.62	23.9900	23.99	T
UJOINT ()	2.00	47.98	27.4900	54.98	T
Qty: 1 from: 423 - EUREKA NAPA					
UJOINT ()	1.00	47.98	27.4900	27.49	T

CONTINUED

Y Y OCR 900002424997045 9

Invoice Number

NAPA AUTO PARTS FORTUNA
745 11TH ST
FORTUNA, CA 95540
(541) 941-7920

Bank ID: 1383
Merchant ID: 1862
Term ID: 006

Sale

XXXXXXXXXXXX0751
MASTERCARD — Entry Method: Chip

Total: $ 65.91

11/10/21 — 12:12:47
Inv #: 000004 — Appr Code: 09857B
Apprvd: Online — Batch#: 314001
Retrieval Ref.#: 20100003

CAPITAL ONE
AID: A0000000041010
TSI: E800
TVR: 0000008000

Customer Copy

THANK YOU!

I agree to pay total amount according to card issuer agreement.

All SNOW CHAIN SALES
ARE FINAL -**NO
RETURNS ON SPCL ORDERS**
CUSTOMER COPY

900002424
NAPA AUTO PARTS FORTUNA
745 11TH STREET
Fortuna, CA 95540
(707) 725-3374

Time: 11:13 Date: 11/10/2021 Page: 1/1

Employee: 175 , Jeremiah
Sales Rep: 1 , Rich
Accounting Day: 10

Anticipated Time:
Attention:
Tax Exemption:
PO#:
Terms: 1 - Net 10th

Description	Quantity	Price	Net	Total	
OIL FIL ()	2.00	21.90	15.6900	31.38	T
OIL FIL ()	2.00	14.78	10.4900	20.98	T
PUSH-PULL 15A (455,466)	1.00	11.16	8.3900	8.39	T

for NAPA Rewards & get $5 back for every $100 you spend. Go to
e 5011334991138 to get started!

Subtotal	60.75
Fortuna Sales Tax 8.5000%	5.16
Total	**65.91**
Visa	65.91

Y Y OCR 900002424000880 0

Invoice Number

TOTAL RECEIPTS 287.91