

From: [Elise Fett](#)
To: [Bill Yeates](#); [Mark Bruce](#); [Jim Lawrence](#); [Shelly Aldean](#); mlberkbigler@washoecounty.us; [Casey Beyer](#); [Bud Hicks](#); [Belinda Faustinos](#); tc@thecashmancompanies.com; [Brooke Laine](#); [Wesley Rice](#); [Barbara Cegavske](#); bosfive@edcgov.us; [Cindy Gustafson](#)
Cc: [Marja Ambler](#); [TahoeKeysWeeds](#); [Julie Soules](#)
Subject: Comments regarding Tahoe Keys Weed Control Plans
Date: Tuesday, July 21, 2020 5:48:47 PM
Attachments: [Alternatives - 4b Meet Josh Leddy, Minnesota's Milfoil Killer - Mpls.St.pdf](#)
[Alternatives - 2 Inflatable Barrier Mat 3-7-17 Elise.pdf](#)

Hello All,

I am writing today regarding the proposed use of herbicides in the Tahoe Keys and the misinformation that is continually being provided to the public. In the email notice from the TRPA for tomorrow's meeting, it states that Lake Tahoe is the first location to test the Laminar Flow Aeration method to treat aquatic weeds. Clean Flo has used Laminar Flow Aeration to successfully treat weeds/algae in large scale projects for many years. The system also successfully reduced the nutrients at Ski Run Marina (just east of the Keys) last year by an average 20" per the year-end report.

The success of the system at Ski Run has not been included in the Keys' presentations and they did not run their aeration system over the winter or in April as per the recommendations. Therefore, it has not been properly tested.

The notice that went out also mentioned bottom barriers and diver-assisted suction methods as "small-scale spot treatments", but these methods have also been used on large scale projects with significant success. I have attached two articles about the success of these treatment options for reference. The non-chemical methods **must** to be more widely and properly tested before testing or considering the use of aquatic herbicides. I think we can all agree that introducing foreign chemicals into our beautiful Lake should be the absolute last resort.

My other concern with the Key's proposal is that it does not adequately address the nutrients that are feeding the weeds. These nutrients must be eliminated, not just by using aeration as was done at Ski Run, but by replacing lawns adjacent to the Keys with artificial turf that allows water to continue to the sand below and installing filtration at the ends of the pipes that drain into the Keys.

My staff and I have spent hours researching aquatic herbicides and alternative solutions and have provided our research to Dennis Zabaglo, Paul, Nielson, Kim Carringer and other members of the team on numerous occasions and over the past four years, yet the push to test herbicides persists without due diligence to pursue the alternatives. It is the responsibility of locals and the TRPA to protect our Lake and environment for future generations. I am disheartened by the direction this project is going and hope that you will join me in pushing for a non-toxic/chemical solution to this long-standing issue. For those who are interested, here is a link to our research:
<https://www.dropbox.com/sh/w3fgpqjam441ikb/AACR4BEMTU-UkEt2IdqHH5Taa?dl=0>

Thank you for your time and consideration of my comments.

Best Regards,

Elise

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www.elisefett.blogspot.com

Please consider the environment before printing this e-mail

Elise,

Re: Aquatic Plant Treatment Floatation Mats

Elise, thank you for the phone call. We are hopeful we can conduct a Pilot Study early in 2017 testing our UV Treatment Vessel. Over the last year we have made many improvements to this device and we can now treat under docks and shallow areas. Below are a few photos of the inflatable mats we developed to lower down our UV treatment array. **These same floatation mats could be used as bottom barrier treatment mats.** We can also provide kits for other to make.

Inventive Resources, Inc. (IRI) has been working on several new and improved technologies including multiple patents pending methods for the treatment of invasive aquatic plants. The goal is to provide new products and technology that can treat the plants faster, safer and less expensive than current methods.

Current technology with bottom mats requires divers and mats that remain on the bottom for 3 months before they are removed. Placing the mats in place, adding weights and later on returning with divers to clean off the weights and sand is very time consuming and costly.

One of our proprietary mat related treatment products is a remote controlled floatation barrier. This allows for remotely controlling the positioning of the floatation barrier wherever needed without divers. The weighted barrier remains on the water surface until the floatation chambers are deflated. Then the weighted barrier sinks over the aquatic plants to be treated. Several options can be provided with this method including additional treatment measures, monitoring and controls, all without the need of divers.

A schematic diagram shows an elevation view of the device in use as attached. Several photos also show one example of the floatation mat inflated and deflated. We continue to conduct R&D on substantial improvements to other treatment methods.

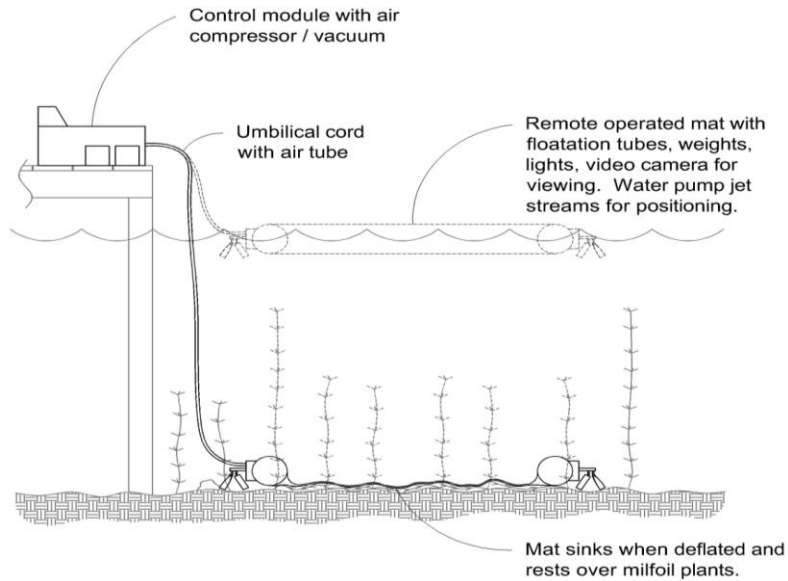
Please see our Floatation Barrier Mat information and photos that allows for remote controlled maneuvering in and around docks as attached. This is still in our development stage but units can be made to virtually any size.

Best regards,

John J. Paoluccio, President
Inventive Resources, Inc.

Inflatable Barrier Mats

12/16/2016



IP Drawing ###

Benefits:

Limit use of divers, single operator installation, simple controls to inflate and deflate, remotely operated. Easily find and reconnect to the fill house months after deployment.



Deflated Mat

12/16/2016



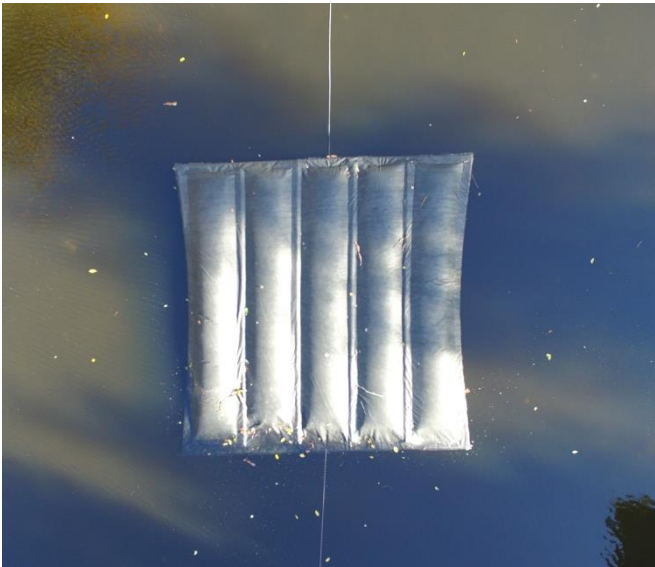
Filled Mat



These mats can be made to any size or shape in house. Shown above is a 10' x 10' mat.

We have designs for 20' x 40'.

This technology was included in our IP for the UV Treatment system.



The mat is filled with air and floated out over a selected area. The operator can view the selected area on a portable monitor. Optional cameras can be located on the mat during deployment.

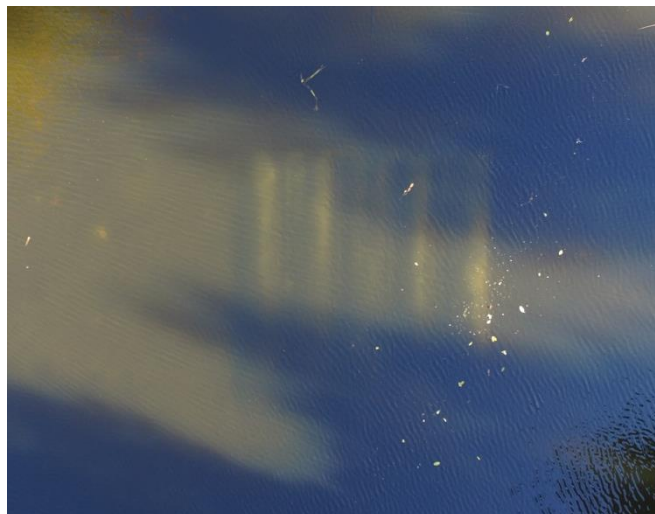
We can also offer sky viewing for mat deployment by use of a registered drone and associated partners.



The operator can then reverse the air pump and pull a vacuum removing the air from the bladders. The mat is outfitted with weights to quickly lower the mat into place.

The outer frame keeps the mat square and straight.

Any built up gasses can escape from the positioned air release holes.



The weighted mat will easily sink and stay put on the lake bed covering the plants and blocking the light.

To remove simply inflate and relocate as needed.

Our goal is to help the Tahoe Keys Property Owners, Tahoe Keys Marina and others combat the invasive weed problem with as many non-chemical solutions as possible.

Thank you for your time.

Best regards, John J. Paoluccio

Mpls St Paul

June 15, 2016

Meet the Milfoil Killer

Josh Leddy is fighting a war in our lakes against a green, slimy, growing enemy.

by Dara Moskowitz Grumdahl



Photo by Caitlin Abrams

Josh Leddy

This is the legend of the milfoil murder of Lake Minnetonka: Once there was a young man, prime of life, innocent and vital, whose soccer ball went into a

patch of milfoil on a summer's day. He dove in after it *and he never came back*. Though the cause of the tragic drowning was ultimately unknown, some blamed milfoil.

Chip Welling, the Minnesota Department of Natural Resources' aquatic invasive species management coordinator, believes the milfoil theory is "part of a story told to serve some other purpose." Another purpose like getting the point across: People around here really hate milfoil, or rather, invasive Eurasian Water Milfoil (*myriophyllum spicatum*), which is not the same thing as innocent local slow-growing Northern Milfoil (*myriophyllum exallescens*), but is so alarming that it's taken over the native milfoil's name.

Josh Leddy, who fights milfoil for a living, has heard the milfoil murder story plenty of times, and like Welling, he believes that even if the tale isn't factually true, it yields an emotional truth. After all, milfoil is a killer of our beloved lakes and native wildlife. And then there's the simple fact that it's really, really nasty. "It's super gross," Leddy says. "*Slimy. Disgusting.*" With that he shudders, as if he hasn't been literally underwater and submerged in the stuff for years. Leddy is 32 and as muscular as an otter, with close-cropped brown hair and deep brown eyes. He spends summers in ways an otter might recognize: diving deep into Lake Minnetonka (and other area lakes) to hand-pull invasive milfoil out by the roots, gathering it to his chest, pulling another bunch, and, when his arms are full, carrying it to the water's surface to load on to floating mats. These mats are eventually pulled onto trucks emblazoned with his company's name, Life's A Beach, which he founded in 2004.

Once the milfoil is loaded, he takes it inland and turns it into compost.

More than 300 homeowners and businesses with lakeshore on Lake Minnetonka—including iconic properties like Lord Fletcher’s—pay Leddy to pull their milfoil on a weekly or seasonal basis because, let’s recap, milfoil’s gross. “It’s slimy, it doesn’t feel good to be in it. It’s a heat pile,” Leddy explains. “The leaves trap water, and bacteria grow in that warm water. In a really thick patch of milfoil, it will be 10 or 15 degrees warmer than it is underneath, and that trapped water can smell gross. Underneath the milfoil is even worse. It’s a desert. No light gets through, so no other plants grow, there’s no fish under it.”

Milfoil: the devil’s mullet—swamp up top, desert down below. If it’s not murdering people, it’s without question murdering native species. “I tell people, ‘If you had some weed growing in your yard that was hurting wildlife, you’d see animals suffering and you’d do something about it,’” Leddy says. “But because the animals that are suffering are under the water where we can’t see them, we just let them suffer.”

Leddy lives and works out of a small house with a big dock on a spit of land separating two bits of Lake Minnetonka, Black Lake and Spring Park Bay, and he leads a life entirely in the shadow of milfoil. There’s his lake weed removal business, one of a few that have sprung up in the area recently, as evidence mounts that hand-pulling is both wildly more effective and drastically cheaper than poisoning lake plants. There’s his service on various volunteer lake groups, such as the Lake Minnetonka

Association. And then there's milfoil all over the next stage of his life. Leddy has been dragging the milfoil he harvests to different farms, which are storing the invasives for him while it turns to compost that he plans on using to fertilize the hops for his forthcoming brewery, Back Channel Brewing Collective. In addition to making beer, Leddy hopes Back Channel will raise awareness about invasive aquatic species. (There will be no invasive species in the beer itself, unlike Excelsior Brewing's Milfoil Lakehouse Saison, a beer made with a sprinkle of milfoil in the brewing process.)

When Back Channel opens, Leddy pictures it giving the freshwater side of beer a spotlight. He imagines "the ultimate brewery tour. You jump on a pontoon, we go out and grab some lake weeds and pull them up. That's how you can start to educate people. There is no way to poison ourselves out of this mess. Treatments just put poison in the water and make treatment-resistant milfoil. We're just lazy. Good old-fashioned hard work is the only thing that we can do.

"When you pull out the milfoil, fish come in and breed in the area. Local species come in and take its place. People brush it off, they think someone else will take care of [invasive species] down the road, but actually that is not happening. Nobody's really doing anything else, so we have to do it. How are we going to get this message out?" On a pontoon with beer, obviously.

It's interesting to consider that Leddy is 32, because you could choose to see his and milfoil's life as springing from the same origin point some 30 years ago, opposite forces, each pulling inexorably in a massive tug of war. He grew up

on Schmidt Lake in Plymouth, and his childhood was spent in the context of metro-area lakes falling to milfoil, a slimy invasive string of dominos. When he was a teenager, he came to admire the enormous glory of Lake Minnetonka, and soon vowed to dedicate his life to restoring it as well as he could to the magnificence it must have possessed in the days before his birth.

If you were in Minnesota in the late 1980s and the 1990s, you likely remember the alarm that the arrival of the plant caused, popping to the top of lakes in a singularly repulsive way: It starts from a lake-floor rootball, shooting up a single rope of multi-branching feathery leaves. When it gets toward the surface, it branches in every direction, effectively creating a structure like an umbrella. Where did it come before it got here? No one knows precisely, but the National and Oceanic Atmospheric Administration says it somehow leapt from aquariums to freshwater, probably in the 1970s, either because someone planted it, or because someone dumped an aquarium into fresh water. Then, to get into Minnesota's landlocked lakes, there was probably a Typhoid Mary, or a few of them—nasty disease-covered boats, traveling to Minnesota from points east. These boats likely brought a fragment of weed on their hulls or trailers, or living milfoil in their bilge water or bait wells.

What happened next is not speculation: By the time anyone noticed it, in the fall of 1987, milfoil was well established in Lake Minnetonka, and by the following spring's ice thaw, it was found in about 10 Twin Cities lakes and has spread by 10 to 15 lakes each year since then.

As it turns out, the Twin Cities is the Goldilocks zone for milfoil, offering the invasive a little band of perfect habitat—lakes with just the right amount of water clarity and lake-bottom fertility—that stretches from Minneapolis and St. Paul to our nearest northern recreation areas, roughly around Brainerd. Raymond Newman, a professor specializing in aquatic ecology at the University of Minnesota, estimates that milfoil is in more than 300 Twin Cities area lakes and other bodies of water now. If you thought that those little DNR shacks on the edges of lakes Minnetonka, Harriet, and Calhoun are there to protect Minnetonka, Harriet and Calhoun from milfoil-tainted visiting boats—not exactly. They’re mainly there to protect the more virginal outstate lakes, which, if a sexually transmitted disease analogy is to be used, is unpleasant to think about.

Unpleasantness aside, we in the Twin Cities may be entering a watershed moment—ba-dum-cha!—for milfoil control.

The invasive has been much studied in the last 30 years, and we now know that the pesticide treatments used to mitigate milfoil are highly ineffective. The DNR, which regulates the use of such herbicides, has discovered that the net effect of years of poisoning is temporary control, followed by the emergence of hybrids resistant to weedkiller. But these poisons look to be on their way out. This year, the DNR introduced a tougher strategy to combat the invasives transmission: Boats must be clean, drained, and unplugged when moving between bodies of water, and unused bait must be dumped in the trash and not in the water. Violators of this protocol will be fined and must take a class that is the invasive species version of drunk-driving school.

TRPA NEEDS TO BE AWARE OF THE LATEST RESEARCH AND LEARN FROM THE HISTORY OF THE FAILURES OF HERBICIDE USE

SIMILAR TO CLEAN/DRAIN/DRY ADOPTED BY TRPA

Various groups have also studied biological controls, the most promising of which is a native Minnesotan aquatic bug called a milfoil weevil, which invasive milfoil can't tolerate the way local milfoil can. The problem with the milfoil weevil is that it's a favored food of sunfish, and the human habit of keeping big sunnies and tossing back the little guys leads to an overpopulation of small, hungry sunnies that eat all the weevils. If you're a fisher who wants to fight milfoil in city lakes, keep the medium-sized sunnies and toss back the big guys who will eat some of the medium sunnies, thus taking pressure off the native weevil. The other thing city dwellers can do that potentially could help tamp down milfoil is to keep leaves out of local gutters. When the leaves decay in drains that feed lakes, they release phosphorous that messes with the natural ecology of the lake.

If you're really inspired, you could learn to identify invasive milfoil, get a DNR permit, and start diving for it yourself. Leddy says it makes great garden compost. "I wish every kid in the state of Minnesota would learn about aquatic invasives," he says. "It's as important as anything you learn in driver's ed. I meet people all the time who say just crazy, crazy things like, 'I just want to nuke the lake.' That doesn't work. It makes [invasives] come back stronger, and they're the only things that do come back. People who say 'nuke it' are the people who are just preyed on by pesticide sales guys." Leddy says pesticide pushers charge an arm and a leg, and then, when the poisons don't work, they conveniently blame property owners for not springing for equally expensive follow-up treatments.

To combat the nukers, Leddy spends his summers pulling out ropy trees of invasive milfoil. You may see him this

<http://mspmag.com/arts-and-culture/the-milfoil-killer/>

summer on Lake Minnetonka, arms full of green water weeds as he plots the overthrow of ineffective milfoil combat, and imagines a world where we compost our invading enemies and drink the fruits of their downfall by the pint. Milfoil may not have murdered any Minnesotans specifically, but if we're lucky, it will have killed our complacency around watery invaders.



Dara Moskowitz Grumdahl

Dara Moskowitz Grumdahl was born in New York City little aware of her destiny—to eat out a lot in Minnesota. Dara is the other half of our star food and dining team, working side by side with Stephanie March.

Jul 22, 2020

Tahoe Regional Planning Agency Governing Board

Comments RE Tahoe Keys Lagoons Aquatic Weed Control Methods Test

Via: GoToWebinar from Laurel Ames, Conservation Chair, Tahoe Area Sierra Club

Attn: Governing Board, RPIC, and Executive Director Joanne Marchetta

Dear Board Members and ED Marchetta,

The Tahoe Area Group of the Sierra Club is hopeful this comment letter is received timely as the public participation process for participation in the GoToWebinar was not easy for this commenter.

Issue #1 The Barrier. The documents' Title has Changed from a plain "TEST" to a "Control Methods Test". I was unable to determine from the Draft EIS/EIR what the difference was or is. However, the Sierra Club's request for a solid barrier to protect the lake from the lagoons, in our first set of NOP comments, the three follow-up public comment meetings, and in the first set of comments after three days of examination of the 500 pages of documents, that the Sierra Club's request is more valid than ever. While the change of title gives cause for an extension of the comment period, due to confusion in the title – is it a test or a methods test or is it just verbiage, the document does call for a mix of herbicides, non-chemical uses, and a mix of non-chemical uses w/o herbicides and a mix of non-chemical uses with herbicides. Added to that since the NOP is an interesting alternative using an even more destructive alternative – deep digging into the muck in order to remove the weeds, but a specially awful problem of disturbing and digging up aluminum sulfate, a highly toxic resident of the muck in the depths of the lagoons.

Left on the cutting room floor is the test of the barrier solution. Cavalierly described as "not a test" by several staff members, the Club reminds you that a Test "is a deliberate action or experiment to find out how well something works." [Collin's Dictionary].

And a barrier offers many options for testing. There is the main material that could be used, from plastics to rocks to concrete, to cement, to sheet metal to corrugated metal, for the design possibilities at or near the shoreline, or further up the channel connected to the existing sheet metal piling on one side to piled up rocks on the other. In addition, there are new concepts of wave flows, of flooding potential, of pumping from the channel to the Tallac lagoon. And that's just the easy ideas. There are also tests needed to determine the given life of various styles and materials for constructing a barrier. Given the amount of money spent on concepts to avoid barriers, it is clearly possible and feasible to test and devise a suitable barrier to protect Lake Tahoe from the scourge of the invasive weeds.

The Tahoe Area Sierra Club is again proposing a feasible and rational Barrier to protect Lake Tahoe.

From: [Eric R](#)
To: [Marja Ambler](#)
Subject: Chipmunk Street Owners RE Akatiff Multiple Parcel Pier
Date: Tuesday, July 21, 2020 5:02:18 PM
Attachments: [Applicant Site Plan.pdf](#)
[Parcel Map.pdf](#)
[TRPA Notice Flawed.PDF](#)

Dear TRPA Governing Board,

My family owns the lakefront property at 105 Chipmunk St in Kings Beach CA that is 2 littoral parcels away via the shoreline from the Akatiff Pier at Brockway Vista Ave. The pier would be the longest and largest pier installation (with 4 boat lifts and 50 lights) currently in Lake Tahoe (I checked this). And it cuts at a 45-degree angle from shore directly across the front of all Lakefront properties on Chipmunk St. It is extremely detrimental and the Chipmunk St owners need to be considered before the pier is allowed to be built.

- **The Applicant's Site Plan is a Misrepresentation by Omission:**

The Site Overview submitted by the applicant is the "go-to" document for anybody to get a summary of the project at a glance. ON THIS SITE PLAN, A PERSON LOOKS AT THE PIER AND THEN THE FOCUS IS DRAWN TO THE RELATIVELY UNAFFECTED PARCELS NEXT DOOR ON BROCKWAY VISTA AVE (where 4 adjacent parcels are identified by parcel #). ATTENTION IS DIVERTED FROM CONSIDERING THE TRULY AFFECTED (Chipmunk St Lakefront) PARCELS BECAUSE NONE OF THEM ARE SHOWN AND NONE IDENTIFIED. ACCORDING TO THE SITE PLAN THERE MAY AS WELL BE OPEN SPACE TO THE SOUTH-EAST TOWARD CHIPMUNK ST AND THE NEXT STRUCTURE INDICATED (with an arrow) ON THE SITE PLAN IN THAT DIRECTION IS A PIER 335 FEET AWAY, WHEN IN REALITY THERE ARE LAKEFRONT RESIDENCES IMMEDIATELY NEXT DOOR TO THE PIER PROPERTY! If the Site Plan wasn't shifted away from Chipmunk St then everyone would have asked: "What about Chipmunk St.?" Please compare the attached Exhibits "Applicant Site Plan" to the "Parcel Map" (I had parcel map professionally made).

- **Notice Defective: 1. The project number on the Notice was Incorrect, 2.The Site Plan on it was illegible & misleading, 3. Most Chipmunk St neighbors never received notice.**

(1) I followed the directions on TRPA's notice to see the project online. Here are the directions quoted from the notice (which you can see on the exhibit): "... project available for review at parcels.laketahoeinfo.org. From this page, enter the TRPA File Number (ERSP2029-1326) in the search box in the upper right hand corner of the screen." I tried that several times and nothing came up, so I figured the project wasn't ready to be heard by TRPA and was on hold to be rescheduled. As it turns out, these 2 issues caused me to miss the May 27th hearing. (2) The TRPA notice I received had an illegible, miniature-scaled (1.5x3.5 inch) site overview that omitted all perspectives and potential effects on the Chipmunk St Lakefront Owners. (See

Exhibit “TRPA Notice Flawed”). (3) Most of the Chipmunk neighbors I spoke with never receive any Notice.

- **Chipmunk St Lakefront Owners had no representation in regard to a Pier Project that will (if built) have the most profound, man-made detrimental affect on their property ever**

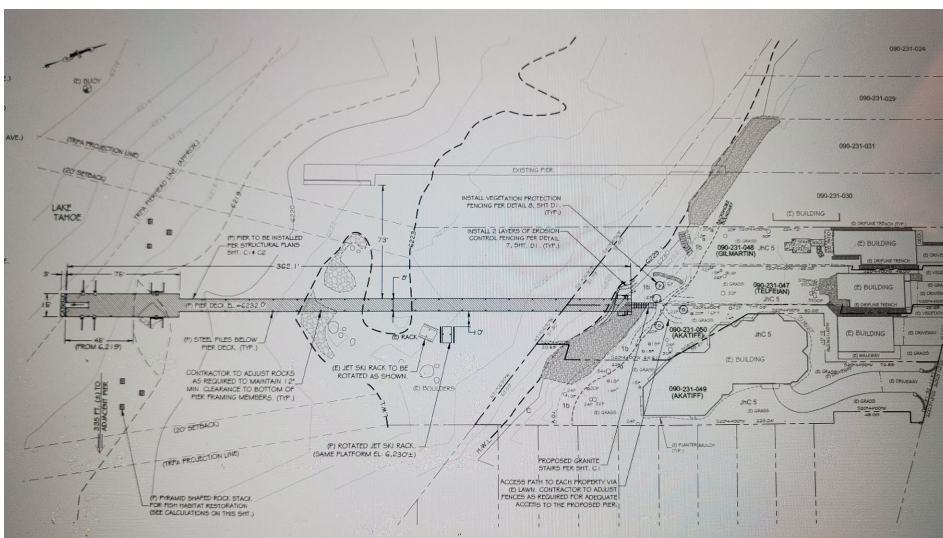
Given the extreme detriment of the pier to the Chipmunk St Lakefront Owners, the TRPA should have gone beyond its minimum notice procedure (which everybody complains about) to make sure we were aware of the impacts the Akatiff Pier would force on us. It is negligent, in my opinion, that the TRPA didn't make sure to get in contact with the Chipmunk St Lakefront Owners and the TRPA and most certainly the applicant must have wondered why they never heard from Chipmunk St about this pier that affects them so egregiously. Perhaps TRPA was not aware of this because of the misleading Site Plan provided by the applicant.

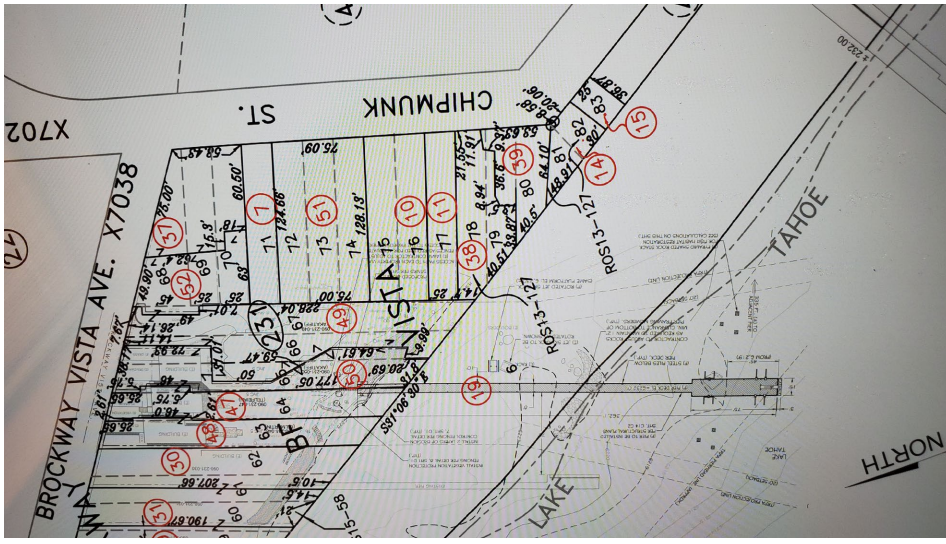
I'm almost 100% certain the Governing Board was unaware of the Chipmunk St Lakefront Owners in regard to this pier.

The Lakefront Owners on Chipmunk Street and we need to be considered before the pier is allowed to be built.

Respectfully,
Eric Ronning
105 Chipmunk St
775.771.1583

THESE ARE QUICK GLANCE THUMBNAILS AND AT FULL SCALE ATTACHEMENTS ARE PROVIDED AT THE BOTTOM







GILMARTIN, TELFEIAN, AKATIFF FOUR PARCELS MULTIPLE-USE PIER STRUCTURAL PLANS

PROJECT INFORMATION:

OWNERS: MARK GILMARTIN - (8778 BROCKWAY VISTA AVE.)
6195 RIDGEVIEW COURT, SUITE A
RENO, NV 89519

HENRY TELFEIAN - (8780 BROCKWAY VISTA AVE.)
1247 ALVARADO ROAD
BERKELEY, CA 94705

MIKE AKATIFF - (8782 & 8796 BROCKWAY VISTA AVE.)
22002 LINDY LANE
CUPERTINO, CA 95014

PLANNER: KAUFMAN EDWARDS PLANNING & CONSULTING
ATTN: ADIGAIL EDWARDS
P.O. BOX 1253
CARNELIAN BAY, CA 96140
(530) 546-4402

ENGINEER: FERRELL CIVIL ENGINEERING
ATTN: TIM FERRELL
P.O. BOX 361
TAHOE VISTA, CA 96148
(530) 546-2752

PROJECT LOCATION: 8778, 8780, 8782 & 8796 BROCKWAY VISTA AVE.
KINGS BEACH, CALIFORNIA

SHEET INDEX:

T1 - TITLE SHEET & SITE PLAN
T2 - ALLOWABLE, EXISTING & PROPOSED COVERAGE
C1 - (P) PIER LAYOUT & FRAMING PLANS
C2 - (P) PIER FRAMING PLAN & ELEVATION
D1 - STRUCTURAL & BMP DETAILS
D2 - BUOY EXHIBIT

CUT / FILL VOLUMES:

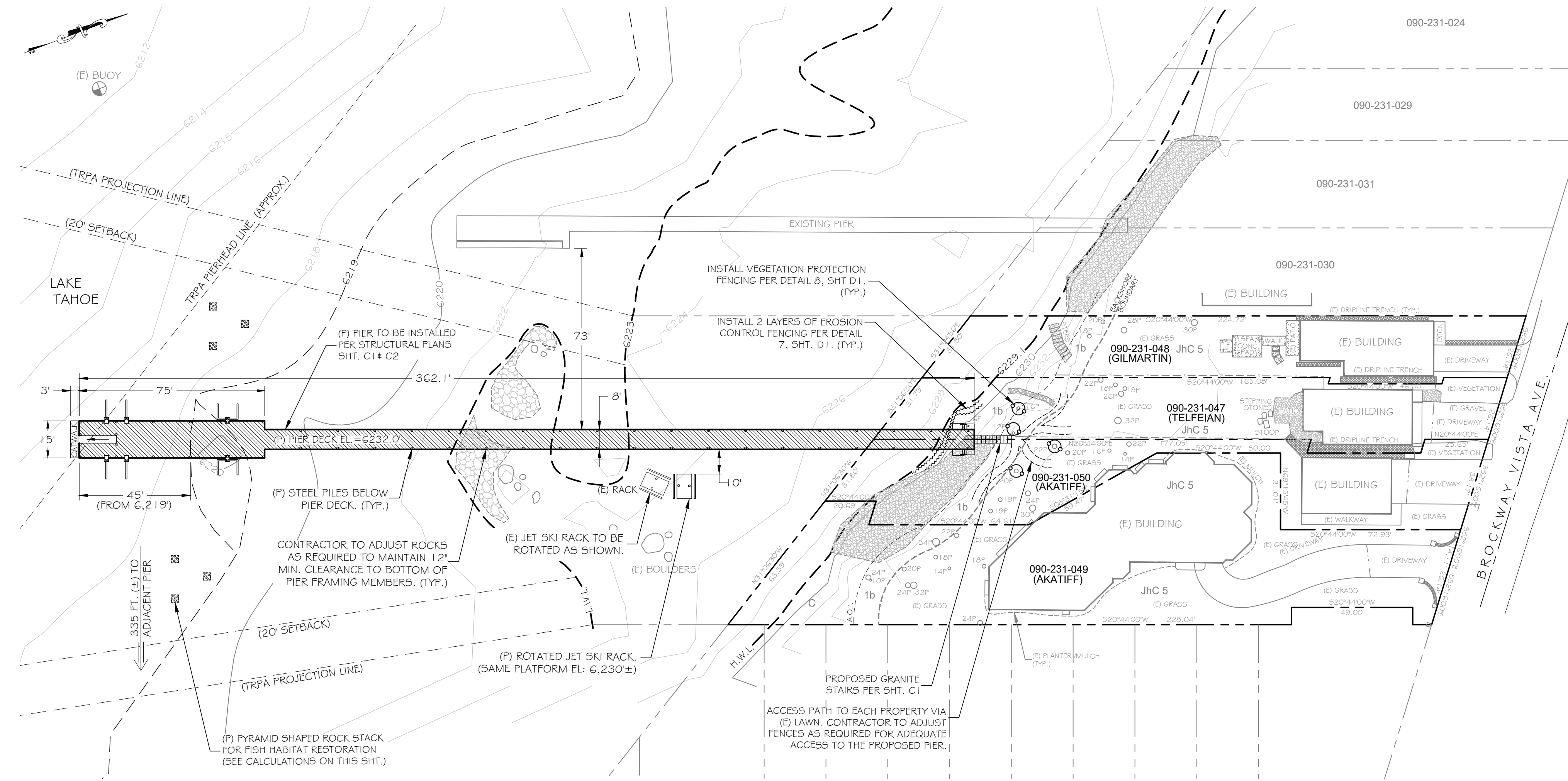
PROPOSED CUT = 2.5 C.Y.
PROPOSED FILL = 2.5 C.Y.

PIER MASSING CALCULATIONS		
PROPOSED PIER DIMENSIONS	(feet/in.)	(feet)
Pier length	362'-08"	362.10
Width of pier head	15'-0"	15.00
Decking height with joists	9"	0.75
Girders depth	8- 1/4"	0.70
Pile height (visible at 6.226' lake level)	4'-6.75"	4.56
Pile width	10 3/4"	0.90
PROPOSED PIER VISUAL MASS (sq. ft.)		
Decking/framing: (362.1'+3') x 0.75' (side) =		273.83
Decking/framing: 15' x 0.75' (front) =		11.25
Steel piles: 0.90' x 4.56' x 25 piles (side) =		102.60
Steel Piles: 0.90' x 4.56' x 4 piles (front) =		16.42
Steel Girders: 0.08 SF x 25 (side) =		2.00
Steel Girders: 0.70' x 15' (front) =		10.50
Catwalk guardrail & ramp: ((9.99)+(5.25' x 3' + 1.5' x 2) =		28.74
New fender piles: (0.29' x 6' x 1)+(0.29' x 6' x 3) =		6.96
Total Proposed Visual Massing:		452.29
Allowed Visual Massing:		520.00

FISH HABITAT MITIGATION CALCULATIONS		
AREA OF DISTURBANCE RESULTING FROM INSTALLATION OF 54 NEW PILINGS (0.64 X 54)		34.56 SQ. FT.
TOTAL FISH HABITAT RESTORATION REQUIRED (1:1.5 MITIGATION)		51.84 SQ. FT.
TOTAL PROPOSED FISH HABITAT MITIGATION (6-ROCK PYRAMIDS AT 9 SQ.FT./EACH)		54.00 SQ. FT.

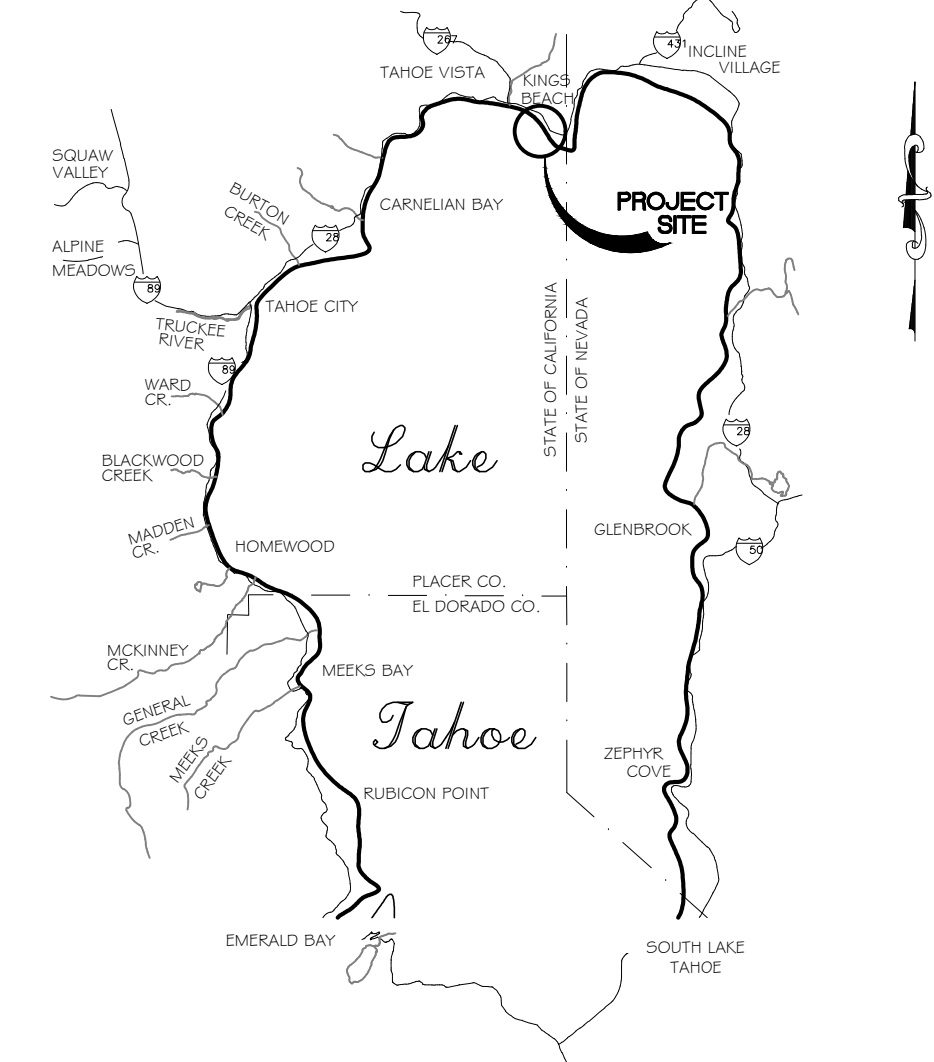


Know what's below.
Call before you dig.



SITE OVERVIEW

SCALE: 1"=30'-0"



VICINITY MAP

NOT TO SCALE

SURVEY NOTES:

- THE BOUNDARY SHOWN HEREON IS FROM A FIELD SURVEY COMPILED FROM BROCKWAY VISTA SUBDIVISION. SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS WHICH AN ACCURATE & CURRENT TITLE SEARCH MAY DISCLOSE.
- NO INVESTIGATION CONCERNING ENVIRONMENTAL & SUBSURFACE CONDITIONS, OR THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES WHICH MAY AFFECT THE USE OR DEVELOPMENT OF THIS PROPERTY WAS MADE AS A PART OF THIS SURVEY.
- NO INVESTIGATION CONCERNING THE LOCATION OF OR EXISTENCE OF UTILITY SERVICE LINES TO THIS PROPERTY WAS MADE AS A PART OF THIS SURVEY.
- ALL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY DESIGN OR CONSTRUCTION.
- DATE OF FIELD WORK JANUARY 15, 2009.
- THE TOPOGRAPHY SHOWN HEREON MEETS THE STANDARDS OF THE AMERICAN CONGRESS OF SURVEYING & MAPPING WITH 90% OF THE CONTOURS TO BE WITHIN PLUS OR MINUS ONE HALF OF A CONTOUR INTERVAL.
- VERTICAL DATUM IS BASED ON LAKE TAHOE DATUM.
- T.B.M.=(LAKE TAHOE ON 1/15/2009), ELEV=6223.18'
- BUILDING SETBACKS SHOULD BE VERIFIED PRIOR TO ANY DESIGN.
- LAND CAPABILITY CLASSIFICATION IS FROM THE TAHOE LAND GUIDE, DATED SEPTEMBER 1981 & MUST BE VERIFIED BY THE T.R.P.A.
- ALL PROPERTIES HAVE TRPA BMP CERTIFICATES. PERMANENT BMP'S ARE SHOWN FOR GRAPHICAL REPRESENTATION, BASED ON SITE INSPECTION.

GENERAL NOTES:

- CONTRACTOR TO HAVE THE APPROVED TRPA PERMIT AND STAMPED PLANS ON SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH THE TRPA SPECIAL AND STANDARD CONDITIONS OF APPROVAL SET FORTH IN THE PERMIT.
- LOCATION OF UNDERGROUND UTILITIES WAS NOT APART OF THIS DESIGN. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. EVEN ON PRIVATE PROPERTY.
- ALL STEEL PILES TO HAVE A MINIMUM EMBEDMENT OF 8'. IF CONFLICT ARISES IMMEDIATELY CONTACT F.C.E. FOR RE-DESIGN.

DISCLAIMER:

- FERRELL CIVIL ENGINEERING WILL NOT BE RESPONSIBLE FOR THE ACCURACY OF THIS SURVEY. CONTRACTOR TO VERIFY ON SITE ALL ASPECTS OF PROPOSED DESIGN PRIOR TO BEGINNING OF WORK. IF CONFLICT ARISES IMMEDIATELY CONTACT F.C.E. FOR RE-DESIGN.
- COVERAGE SHOWN HERE REPRESENTS INFORMATION DIRECTLY DERIVED FROM THESE SURVEYS. F.C.E. PERFORMED NO FIELD VERIFICATION OF ANY TYPE REGARDING COVERAGE ON THESE PROPERTIES.



5-6-20

DRAWN BY: HBG DESIGN BY: HBG
CHECKED BY: TKF DWG: P:\PIERS\Gilmartin\kgw\FCE-CIVIL

REVISION	DATE	DESCRIPTION	APPROVED	DATE

Ferrell Civil Engineering

CA #C 55546 NV #12927
P.O. Box 361, Tahoe Vista, CA 96148

ferrell@fcivil.com

ph: 530.546.2752
fax: 530.546.4469

KINGS BEACH

PLACER COUNTY

TITLE SHEET/SITE PLAN

A.P.N.: 090-231-047
090-231-048
090-231-049
090-231-050

DATE: MAY 6, 2020

SCALE: 1"=30'-0"

CALIFORNIA W.O. NO. G4T&A PIER

SHEET

T1
OF
6

From: [Grable](#)
To: [Marja Ambler](#)
Subject: Chipmunk St. Owners re: Multiple Parcel Pier
Date: Tuesday, July 21, 2020 5:01:09 PM

Dear TRPA Governing Board:

My name is Grable Ronning. I own a small lakefront home at 105 Chipmunk in Kings Beach, CA. The purpose of my letter is to let the TRPA Board know about the detrimental impacts to my small lakefront home and 4 other lakefront properties on Chipmunk St if the long, 362' Akatiff pier on Brockway Vista Ave is approved!

This extremely long proposed pier originates at 8796 Brockway Vista Ave. and is known as the Akatiff et. al. pier. 4 parcels are involved, which I will later address. I greatly appreciate your consideration of the following facts that pertain to this pier. Please keep in mind that I have built a couple of lakefront homes in Lake Tahoe and have been involved in other projects as well, so I am usually on the "builders side."

(1) Because Chipmunk is perpendicular to Brockway Vista Ave, this extraordinarily long 362' pier with 4 boat lifts, stretches LENGTHWISE in front of all 5 of the small lakefront homes located on Chipmunk St. It even extends into Brockway Shores buoy field.

(2) Please try to visualize a pier that is 62' longer than a football field, slicing in front 5 homes, not only limiting our lake access and views, but also literally and visually blocking us in.

(3) With 4 families, this pier will be noisy 24/7, and 50 bright lights at night will be distracting. Normally a pier would get smaller as it extends perpendicularly out toward the lake. But not this one! It goes in front of all our neighboring properties!

(3) Though this pier is located in an area of small lakefront parcels and smaller, more modest lake front homes, I am unable to locate a longer residential or commercial pier in all of Lake Tahoe! There is only one commercial "floating" pier exception at Camp Richardson, that has restaurants, stores and gas stations.

(4) In the minutes of the last Board Meeting, Mr. Cashman noted that the pier length was long for our area. Is it ever possible that the negative effects of such a long pier upon other home owners are so deleterious that a pier can be denied by the TRPA Board?

(5) We believe this pier will preclude our pier application from being permitted... perhaps not by TRPA rules, but by physically forcing us further over into the Brockway Shores buoy field.

(6) Mr. Akatiff submitted for a jointly owned 4 parcel pier between his home at 8796 Brockway Vista Ave, but he included his garage as one of the parcels after a irregular boundary line adjustment (8782 Brockway Vista Ave). 2 adjacent neighbors at 8780 and 8778 Brockway Vista Ave are joining him.

(6) Mr. Akatiff's home actually faces Chipmunk St, and he has a large wrought iron and gold entry gate opening onto Chipmunk. In fact, I recently saw Mr. Akatiff open his Chipmunk gate in order to park his red boat in the dirt in his front yard. In light of this, it's a odd that the Akatiff pier submittal to TRPA only shows properties on Brockway Vista Ave and virtually none on Chipmunk where the homeowners are the most adversely effected.

(7) Virtually all of the home owners on Chipmunk missed the very short filing time for the first hearing regarding this project, which was only 14 days from mailing it. By the time it was received at our P. O. Box, 9 days remained, and when you get to it and nearly faint... more time has gone by. This project took time and thoughtful consideration. While some of us on Chipmunk never received the notice, the others who did (including ourselves), were confused by a mistake by TRPA with the project reference number which prohibited our opening this project.

I am hopeful that because of these problems, and the impacts associated with the virtually the longest pier in Lake Tahoe, that your approval of this project is delayed until further assessment of the problems can be verified and evaluated.

Thank you so much for your time, knowledge and experience on issues relative to our beloved Lake Tahoe, which has been my home and that of my children for the past 40 years. And now my 13 year old granddaughter lives here too!

Sincerely,

Grable B Ronning
105 Chipmunk St
Kings Beach, CA 96143
P. O. Box 7804
Incline Village, NV 89450

(775) 240-4724 mobile

(775) 832-2270 Home

July 21, 2020

To: Maria Ambler

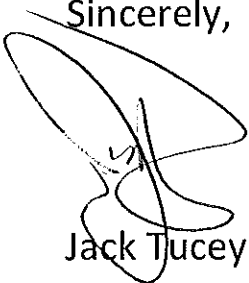
Subject: Chipmunk Street Owners RE Akatiff Multiple Parcel Pier

I am the owner of 115 Chipmunk Street. I have multiple concerns which are listed below.

1. I was never notified of this pier proposal.
2. It directly blocks my front western view.
3. It is so long that it butts into the buoy field and obstructs my buoy access.
4. I believe this will lower the value of my property.
5. I believe it would conflict in the future for multiple Chipmunk houses to build a combined pier.
6. My understanding is that Akatiff was part of a combined ownership pier just west of this proposal. Why does he need another pier? He uses that pier now for his boat.

Thanks you for reconsidering this proposal pier.

Sincerely,

A handwritten signature in black ink, appearing to read "Jack Tucey". The signature is stylized with large, sweeping loops and a prominent vertical stroke.

Jack Tucey

115 Chipmunk Street

310-968-6322

From: [Ruth Bley](#)
To: [Marja Ambler](#)
Cc: [Dennis Cornell](#); [Chris White](#); [Grable](#); [Jack Tucey](#)
Subject: Re.: Chipmunk St Owners TR: Akatiff Multiple Parcel Pier
Date: Monday, July 20, 2020 11:01:56 PM

Hello,

I am the owner of 111 Chipmunk an adjacent Lakefront to the proposed and apparently approved Akatiff Pier proposal. I was not made aware of the proposal prior to the approval process and was therefore unable to voice my concerns of which there are many. They include the following direct negative affects to me and my property:

1. The pier comes off the shoreline at a 45 degree angle it extends closely and directly in front and across my lake and mountain views. I will be looking straight out at the side view of a pier will 4 boats on it.

2. The new pier confines our lake access - the opening between the existing pier to the east and the new pier is very small.

3. The Site Plan used for the approval was not centered on the proposed pier, it was shifted well to the north-west of the pier along Brockway Vista Ave towards Kings Public Beach. It excluded any indication of Chipmunk St on it and it diverted all attention away from the most egregiously affected Chipmunk St Lakefront owners. Site Plan shows 4 Lakefront parcels on Brockway Vista Ave. Site Plan shows ZERO Lakefront parcels on Chipmunk St.

4., This will be the longest pier by over 130 feet on the lake and extends well beyond the TRPA pierhead projection line. It will prevent any Chipmunk lakefront properties from having a pier.

I would request that the Board reconsider the approval of the Akatiff Pier in light of the undisclosed affects to Chipmunk St Lakefront owners. We, of all the neighbors, are the most egregiously affected, and therefore deserve to be heard! We were excluded from the Site Plan & excluded from the approval process.

Your attention to this matter is greatly appreciated.

Sincerely,

Ruth Bley

From: [Christopher White](#)
To: [Ruth Bley](#); [Marja Ambler](#)
Cc: [Dennis Cornell](#); [Grable](#); [Jack Tucey](#)
Subject: RE: Re.: Chipmunk St Owners TR: Akatiff Multiple Parcel Pier
Date: Tuesday, July 21, 2020 7:47:49 AM
Attachments: [image004.png](#)

I agree with all Ruths emailed below. We will never be able to have a pier based on this angle and length. Also, a direct impact to me at 99 Chipmunk is the inability to see my buoys and Jetskiis to Keep an eye on the for Safety with this Pier in the way. Another direct impact is on the value of my property losing its unobstructed view and a direct impact on me and my neighbors losing our view.

Best Regards,



President

David White & Associates

3150 Crow Canyon Place, #200

San Ramon, CA 94583

(800) 548-2671 Ext. 2666 Toll Free

(925) 277-2666 Direct Line

(925) 277-2676 Direct Fax

cwhite@dwassociates.com

www.dwassociates.com

[Chris's Website](#)



[Please click here to watch a short video about our process](#)

Christopher D. White offers products and services using the following business names: David White and Associates – insurance and financial services | Ameritas Investment Company, LLC (AIC), Member FINRA/SIPC – securities and investments | Ameritas Advisory Services (AAS) – investment advisory services. AIC and AAS are not affiliated with David White and Associates .

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mail in error, please contact the sender immediately and delete this material from your computer.

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www.dwassociates.com<<http://www.dwassociates.com>>

From: Ruth Bley <rbley@bleyco.com>

Sent: Monday, July 20, 2020 11:02 PM

To: mambler@trpa.org

Cc: Dennis Cornell <dennis.cornell@gmail.com>; Christopher White <cwhite@dwassociates.com>; Grable <1snowylake@gmail.com>; Jack Tucey <jack@catalinahotspots.com>

Subject: Re.: Chipmunk St Owners TR: Akatiff Multiple Parcel Pier

Hello,

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Your attention to this matter is greatly appreciated.

Sincerely,

Ruth Bley

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