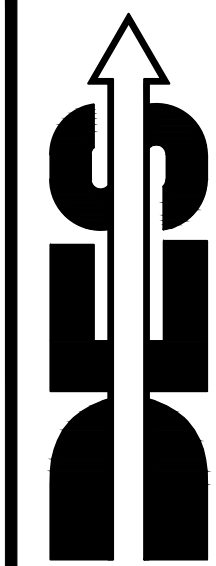
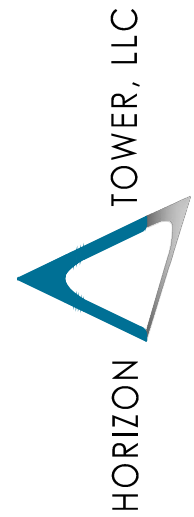


1 AREA PLAN

SCALE: 1" = 100'-0"



DIAMOND ENGINEERING SERVICES



HORIZON TOWER, LLC

117 Town & Country Drive, Suite A  
Danville, CA 94526  
Phone: 925-314-1113  
Fax: 925-314-1114

4255 PARK ROAD  
BENICIA, CA 94510

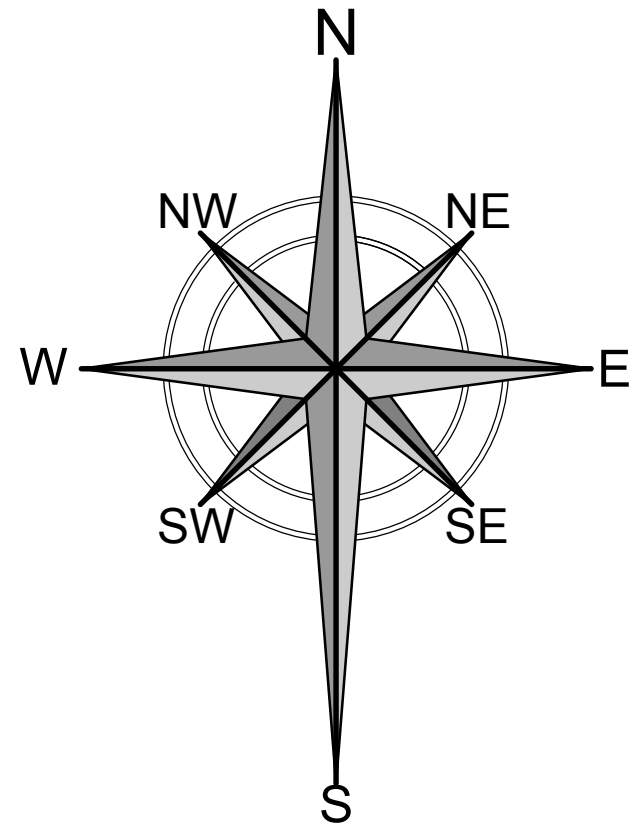
Horizon Tower  
CA4075 - BAVARIAN HILLS  
2560 HIGH HILL RD.  
PLACERVILLE, CA 95667

AREA PLAN

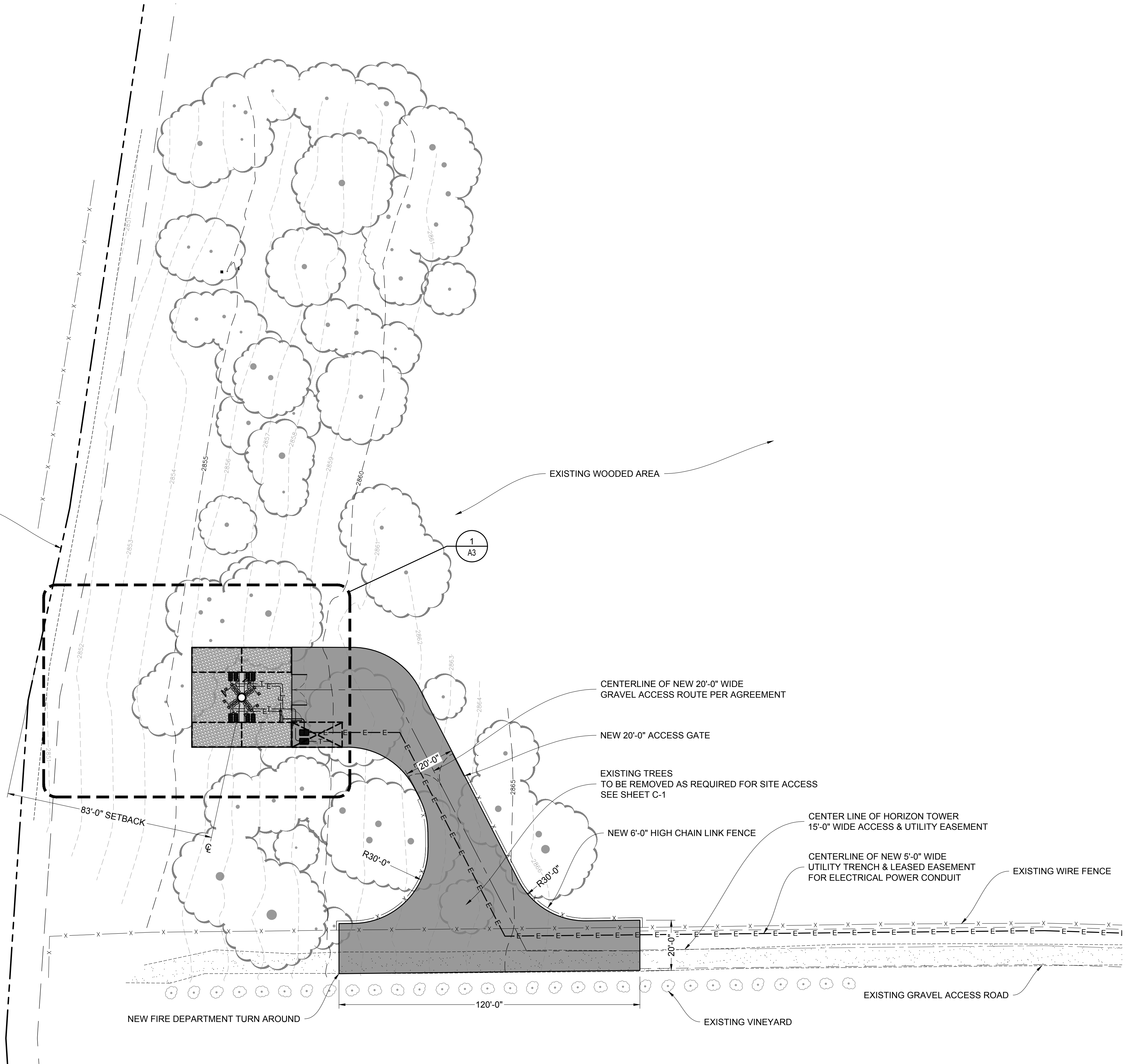
REVISIONS				
No.	DESCRIPTION	DATE		
0	90% ZD's FOR REVIEW	09-12-18		
1	ADDED FLEETNET	09-18-18		
2	REVISED PER REDLINES	09-28-18		
3	ADDED SITE ACCESS	10-31-18		
4	MOVE SITE LOCATION	04-02-19		

Job No.: HT18001  
Draw/Check By: LBS / BLL

A1



EXISTING PROPERTY LINE  
SEE SHEET C-1



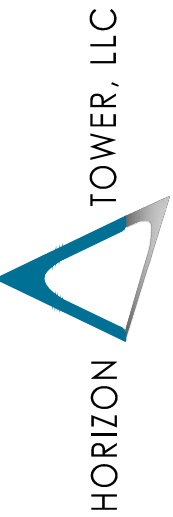
# 1 SITE PLAN

SCALE: 1" = 20'-0"



DIAMOND ENGINEERING SERVICES

4255 PARK ROAD  
BENICIA, CA 94510



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Fax: 925-314-1114

Horizon Tower  
CA4075 - BAVARIAN HILLS  
2560 HIGH HILL RD.  
PLACERVILLE, CA 95667

## SITE PLAN

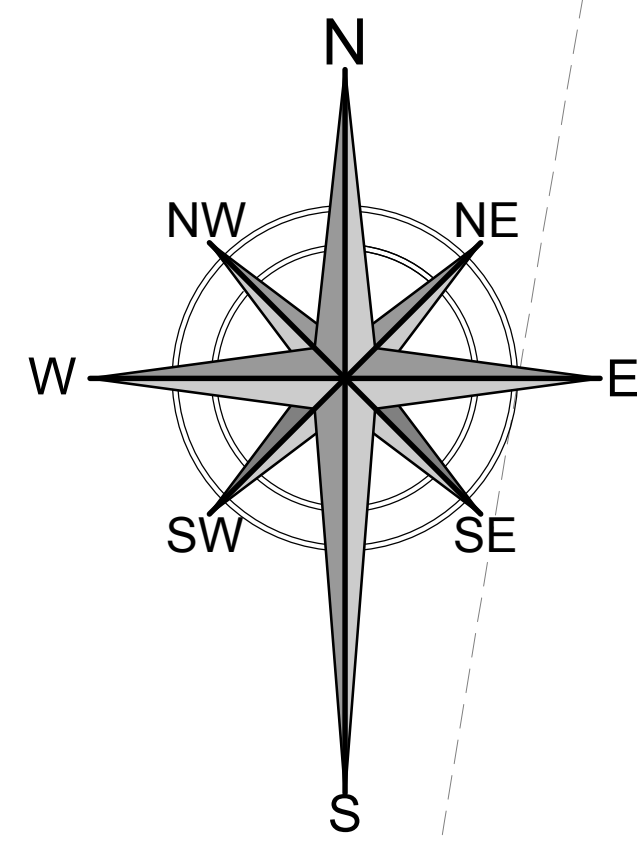
### REVISIONS

No.	DESCRIPTION	DATE
0	90% ZD's FOR REVIEW	09-12-18
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Job No.:  
HT18001

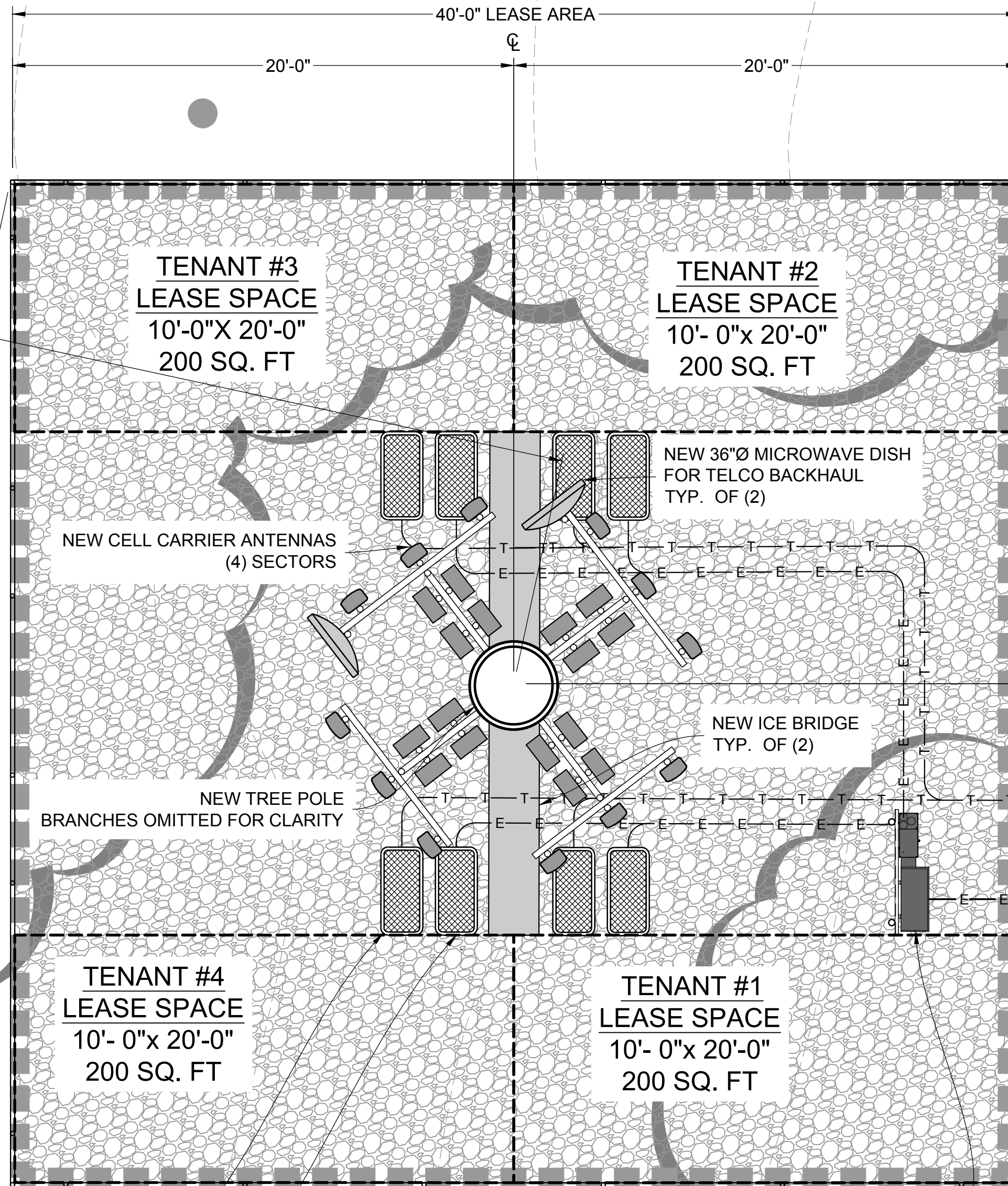
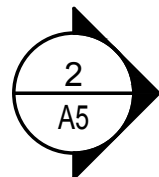
Draw/Check By:  
LBS / BLL

# A2



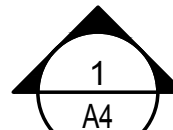
59'-3" SETBACK  
83'-0" SETBACK

EXISTING TREES  
TO BE TRIMMED AS REQUIRED FOR SITE ACCESS  
SEE SHEET C-1



U/G TELCO PULLBOX  
(1) PER LEASE AREA  
TYP.

U/G ELECTRICAL PULLBOX  
(1) PER LEASE AREA  
TYP.



CENTERLINE OF NEW 5'-0" WIDE  
UTILITY TRENCH & LEASED EASEMENT  
FOR ELECTRICAL POWER CONDUIT

NEW 6'-0" HIGH CHAIN LINK FENCE  
AT LEASE AREA

NEW PAIR OF 6'-0" WIDE CHAIN LINK  
VEHICLE ACCESS GATES

CENTERLINE OF NEW 20'-0" WIDE  
GRAVEL ACCESS ROUTE PER AGREEMENT

EDGE OF GRAVEL DRIVEWAY

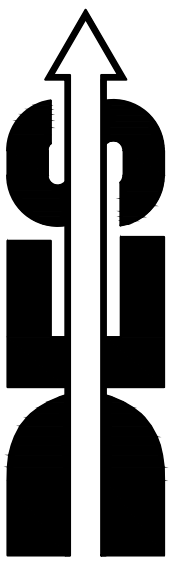


NEW 4'-0" WIDE ACCESS GATE

2862

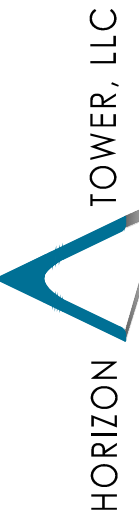
# 1 LEASE AREA LAYOUT

SCALE: 1/4" = 1'-0"



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4255 PARK ROAD  
BENICIA, CA 94510



HORIZON TOWER, LLC

117 Town & Country Drive, Suite A  
Danville, CA 94526  
Phone: 925-314-1113  
Fax: 925-314-1114

Horizon Tower  
CA4075 - BAVARIAN HILLS  
2560 HIGH HILL RD.  
PLACERVILLE, CA 95667

## LEASE AREA LAYOUT

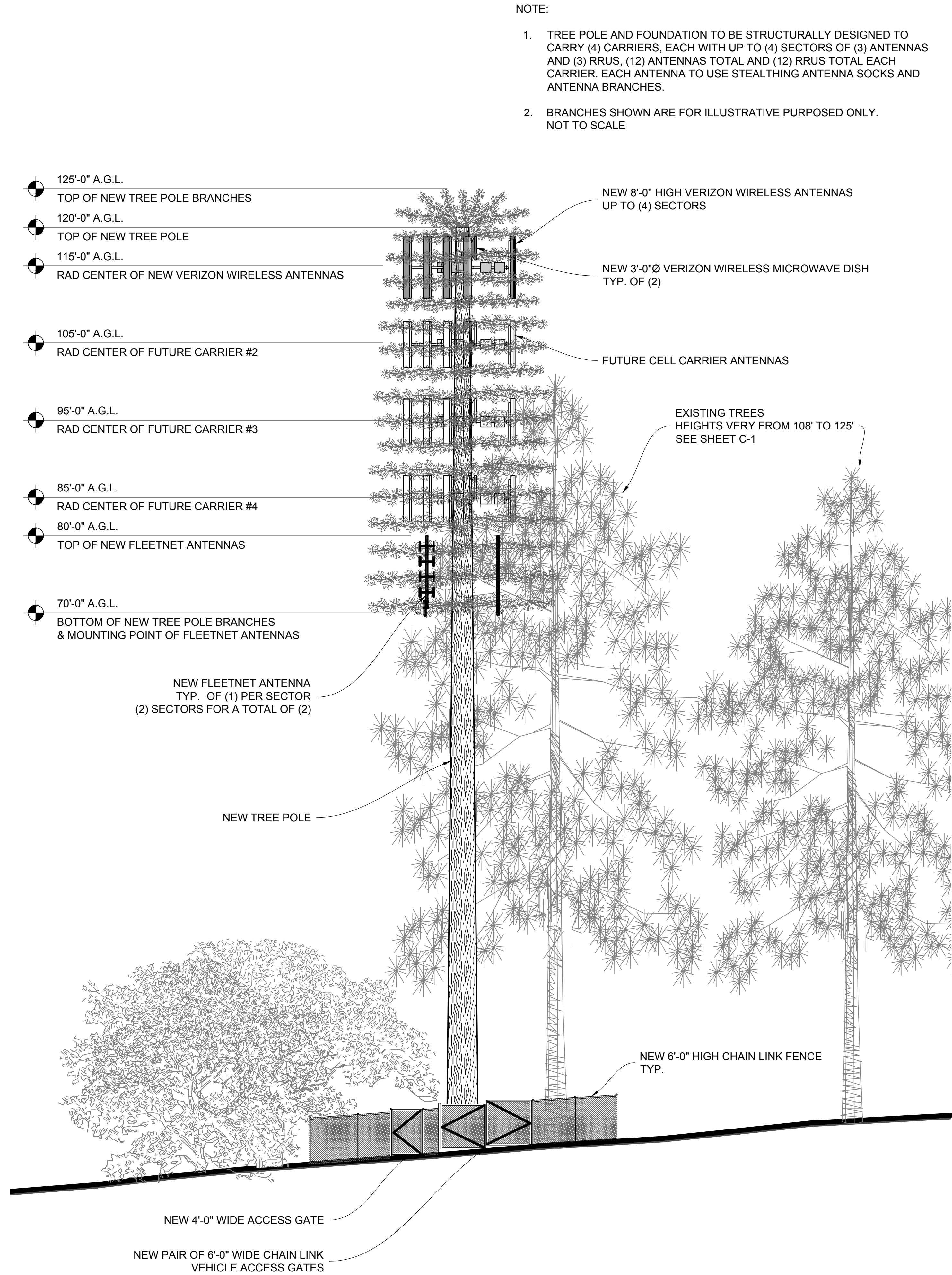
### REVISIONS

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Job No.:  
HT18001

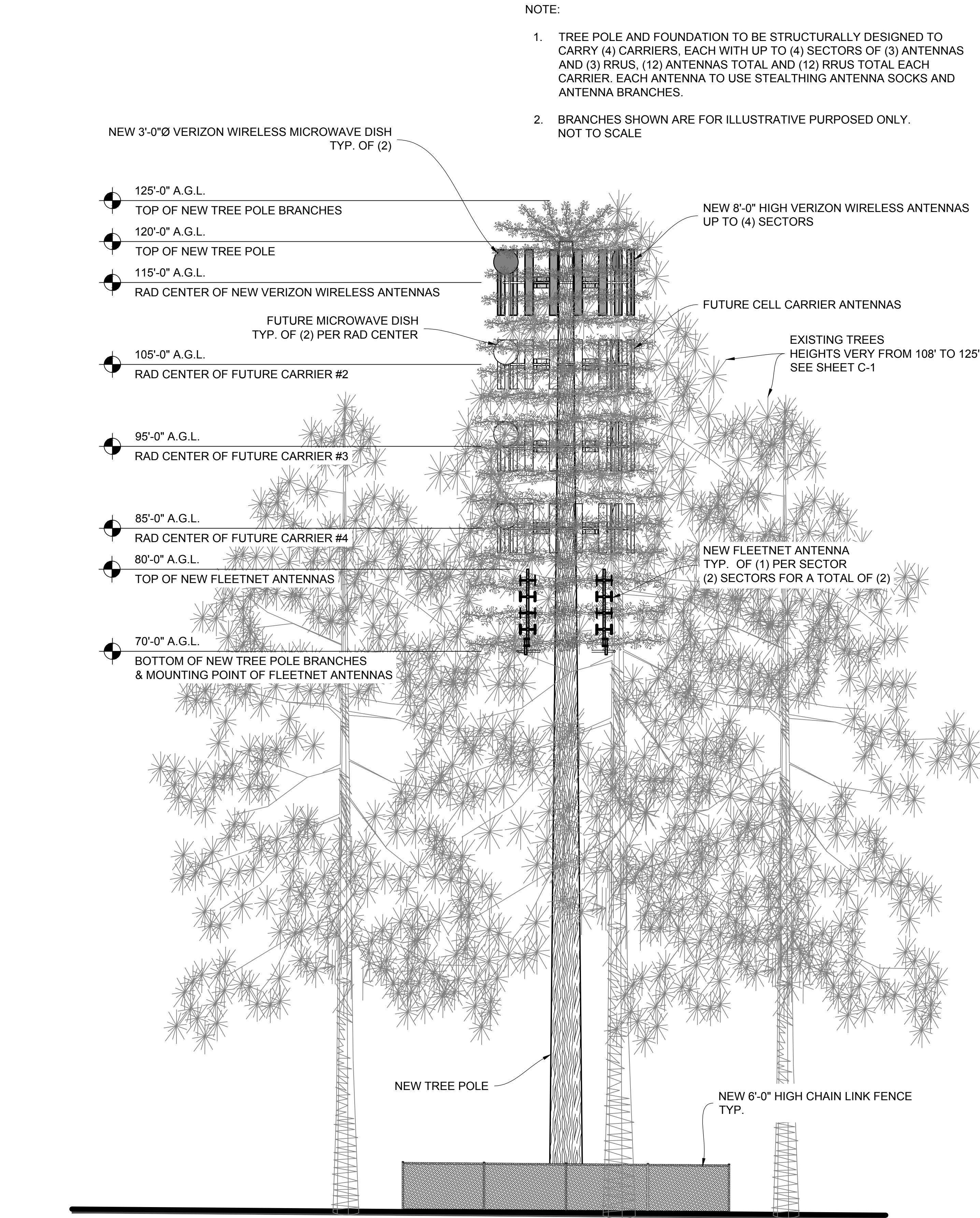
Draw/Check By:  
LBS / BLL

A3



1 EAST ELEVATION

SCALE: 1/8" = 1'-0"



2 NORTH ELEVATION

SCALE: 1/8" = 1'-0"

**DIAMOND ENGINEERING SERVICES**

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Horizon Tower  
CA4075 - BAVARIAN HILLS  
2560 HIGH HILL RD.  
PLACERVILLE, CA 95667

**NORTH & EAST ELEVATIONS**

REVISIONS		DATE
No.	DESCRIPTION	
0	90% ZD's FOR REVIEW	09-12-18
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3	ADDED SITE ACCESS	10-31-18
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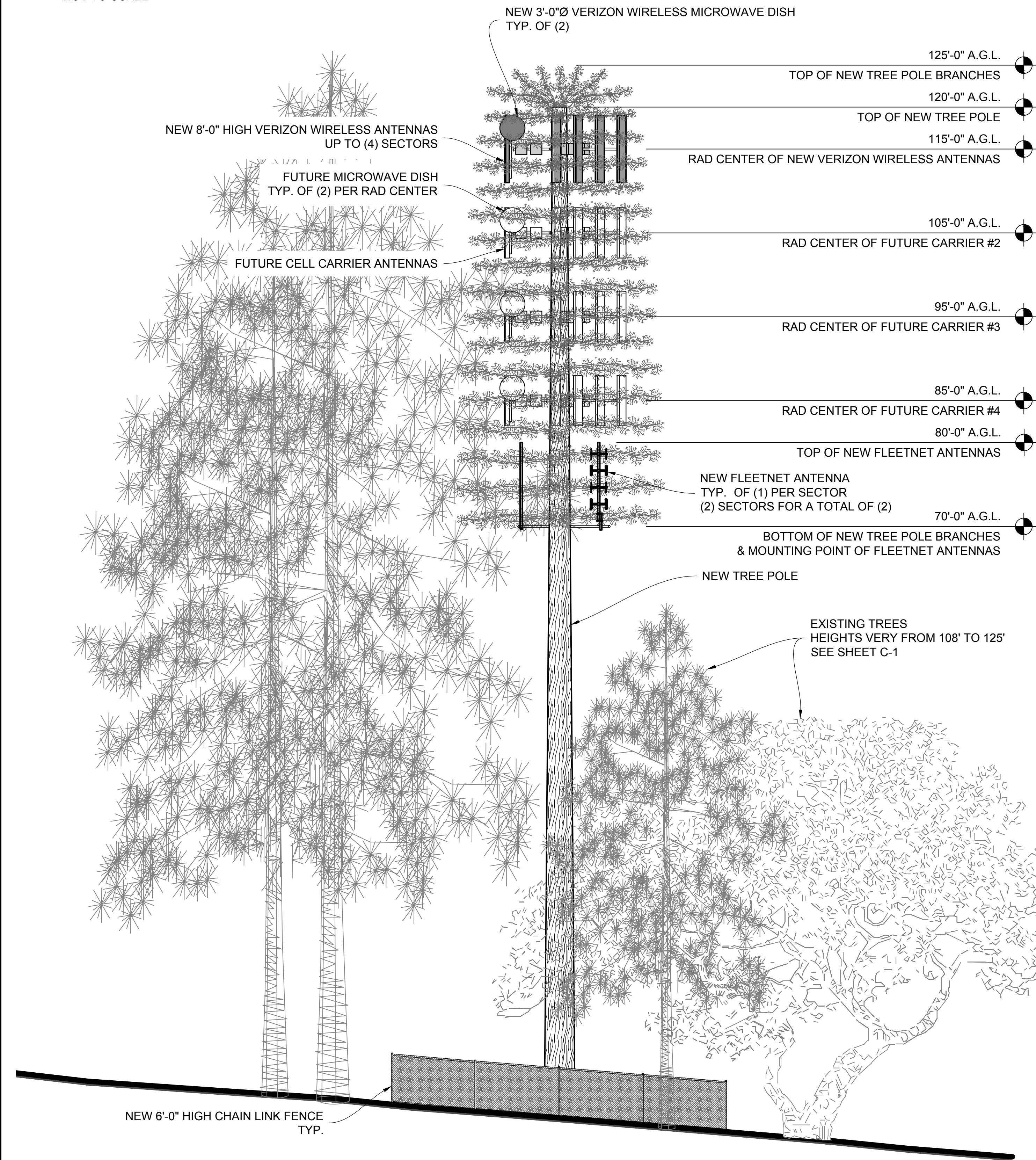
Job No.: HT18001

Draw/Check By: LBS / BLL

**A4**

NOTE:

1. TREE POLE AND FOUNDATION TO BE STRUCTURALLY DESIGNED TO CARRY (4) CARRIERS, EACH WITH UP TO (4) SECTORS OF (3) ANTENNAS AND (3) RRUS, (12) ANTENNAS TOTAL AND (12) RRUS TOTAL EACH CARRIER. EACH ANTENNA TO USE STEALTHING ANTENNA SOCKS AND ANTENNA BRANCHES.
2. BRANCHES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE



1 WEST ELEVATION

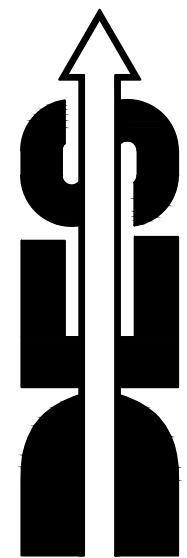
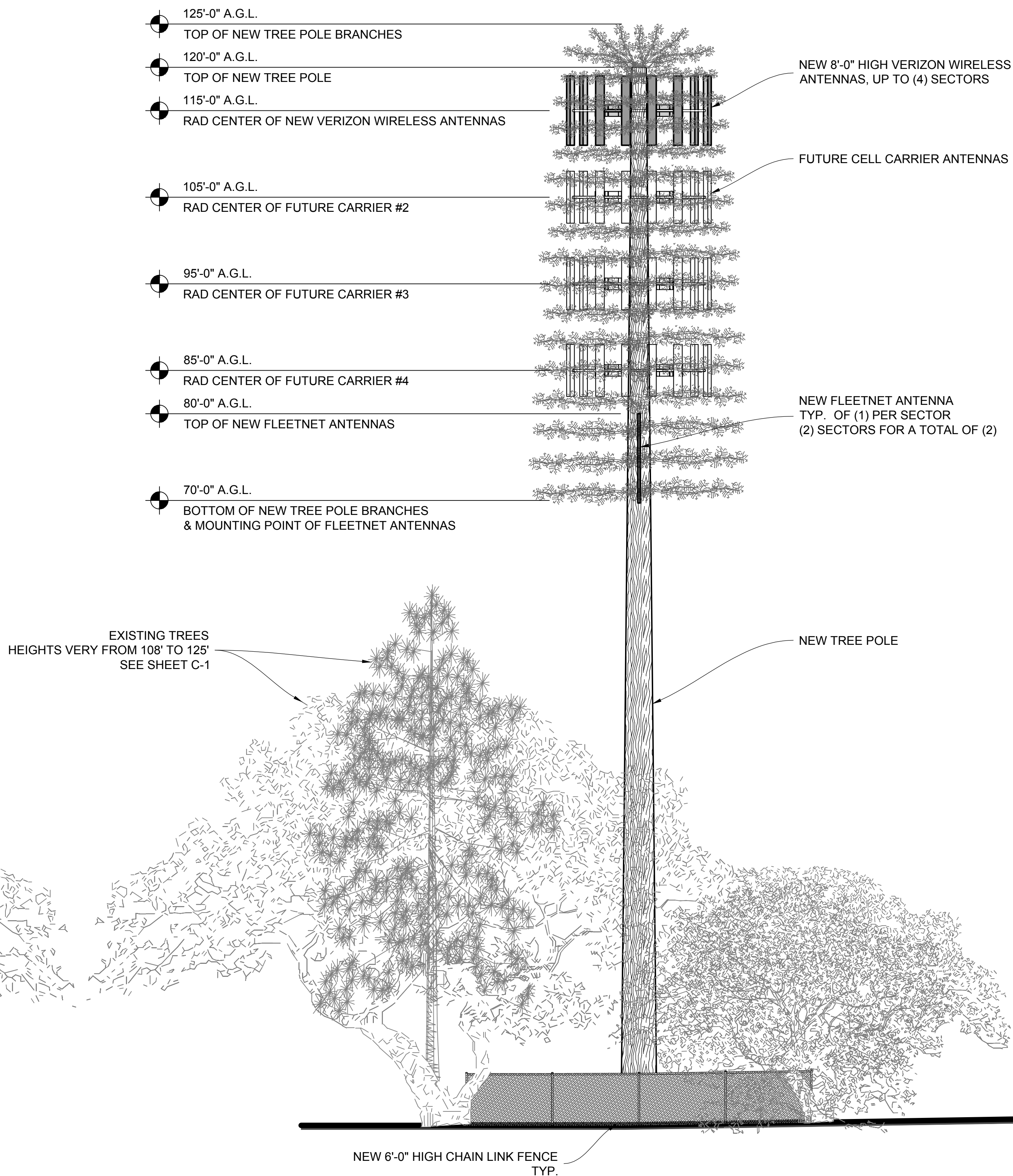
SCALE: 1/8" = 1'-0"

2 SOUTH ELEVATION

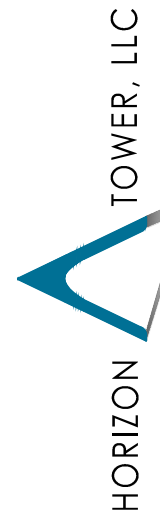
SCALE: 1/8" = 1'-0"

NOTE:

1. TREE POLE AND FOUNDATION TO BE STRUCTURALLY DESIGNED TO CARRY (4) CARRIERS, EACH WITH UP TO (4) SECTORS OF (3) ANTENNAS AND (3) RRUS, (12) ANTENNAS TOTAL AND (12) RRUS TOTAL EACH CARRIER. EACH ANTENNA TO USE STEALTHING ANTENNA SOCKS AND ANTENNA BRANCHES.
2. BRANCHES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE



DIAMOND ENGINEERING SERVICES



HORIZON TOWER, LLC

117 Town & Country Drive, Suite A  
Danville, CA 94526  
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Fax: 925-314-1114

Horizon Tower  
CA4075 - BAVARIAN HILLS  
2560 HIGH HILL RD.  
PLACERVILLE, CA 95667

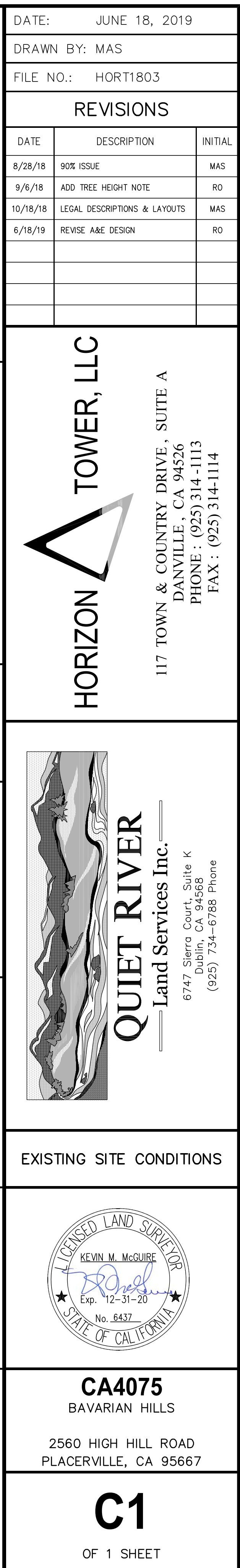
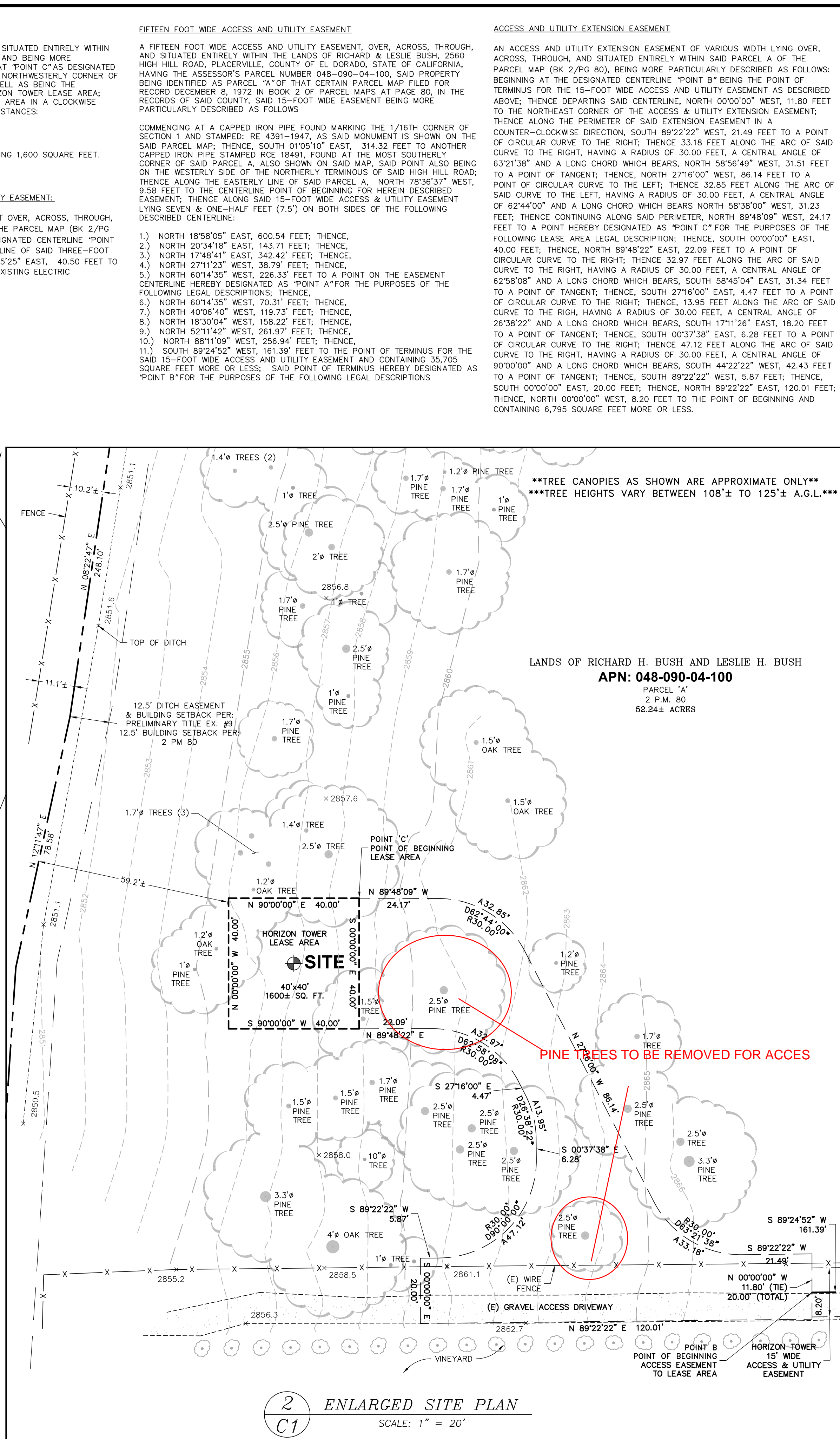
SOUTH & WEST ELEVATIONS

REVISIONS	No.	DESCRIPTION	DATE
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	1	ADDED FLEETNET	09-18-18
	2	REVISED PER REDLINES	09-28-18
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	4	MOVE SITE LOCATION	04-02-19

Job No.:  
HT18001

Draw/Check By:  
LBS / BLL

A5



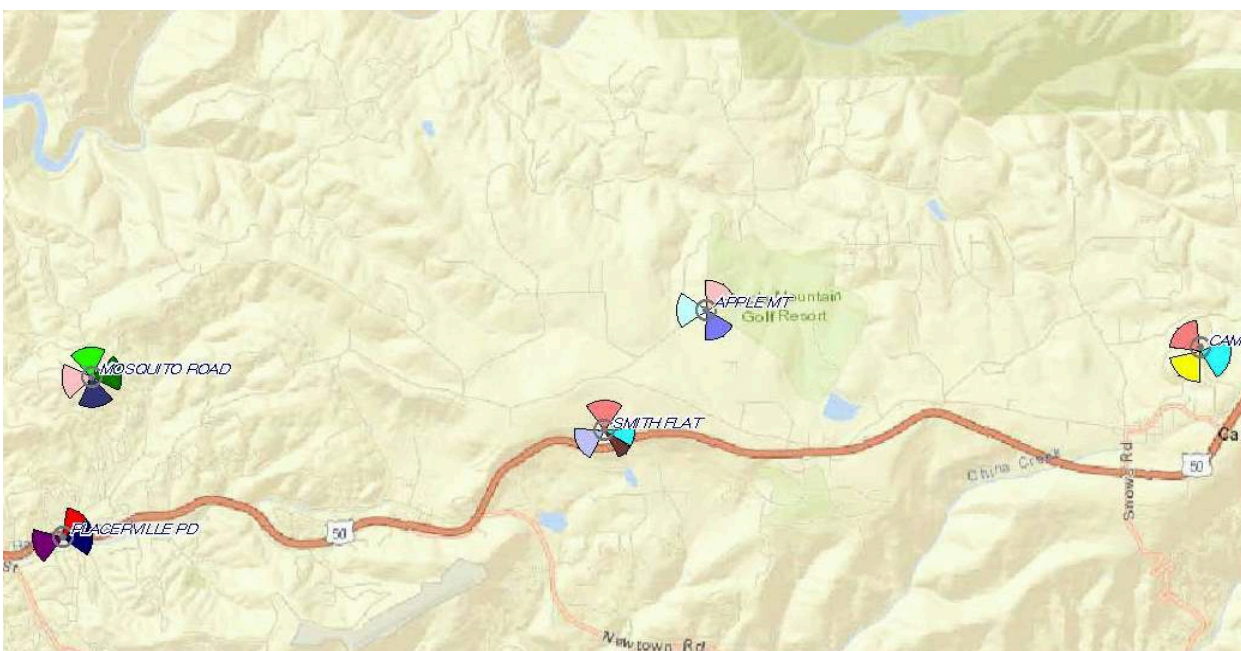
## EXPANDED ALTERNATE SITE ANALYSIS

### **HORIZON TOWER APPLICATION BAVARIAN HILLS, SITE #CA4075 2560 HIGH HILL ROAD, CAMINO, CA APN 048-090-04-100**

#### Background

Horizon Tower designs and builds communication sites for major cell phone carriers. Our current focus is improving our clients' network coverage and capacity. The Bavarian Hills site is in response to a need identified by Verizon Wireless for improved coverage in the area east of Placerville near Carson and North Canyon Roads. As well as local residents' mobile use this corridor benefits from substantial visitors to its wineries, fruit farms, and other local attractions. This increased traffic generates substantial demand on existing network infrastructure for all mobile carriers. As travelers and increasing numbers of residents depend on mobile service for their primary communication needs, network dependability is increasingly important for maintaining contact, Internet access and safety. The proposed facility will help achieve that objective for Verizon customers and provide a readily available platform for others.

The below maps show existing adjacent Verizon sites and illustrate how Verizon coverage will improve in the targeted area with this new facility.



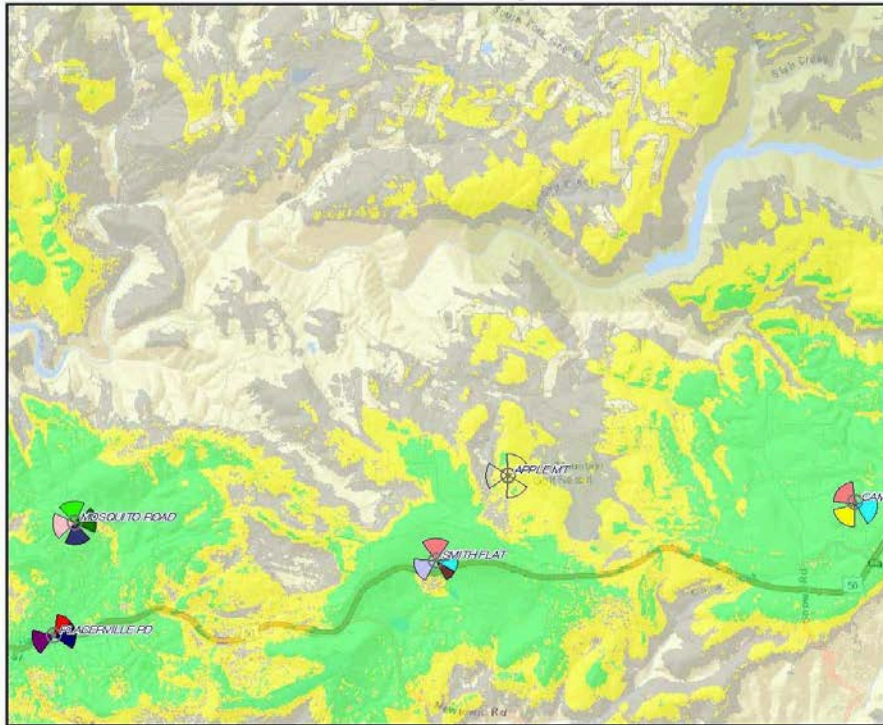
**EXISTING VERIZON WIRELESS SITES AND PROPOSED BAVARIAN HILLS SITE**

# APPLE MT



## COVERAGE MAPS

Existing Coverage



### 700 LTE: RSRP Existing

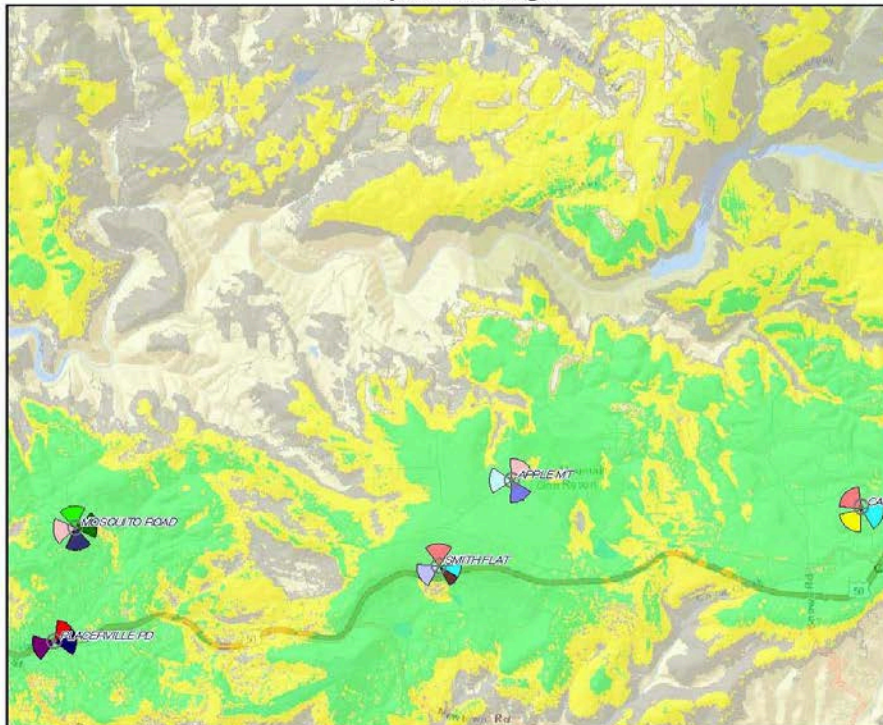
- Best Signal Level (dBm)  $\geq -85$
- Best Signal Level (dBm)  $\geq -95$
- Best Signal Level (dBm)  $\geq -105$

# APPLE MT



## COVERAGE MAPS

Proposed Coverage

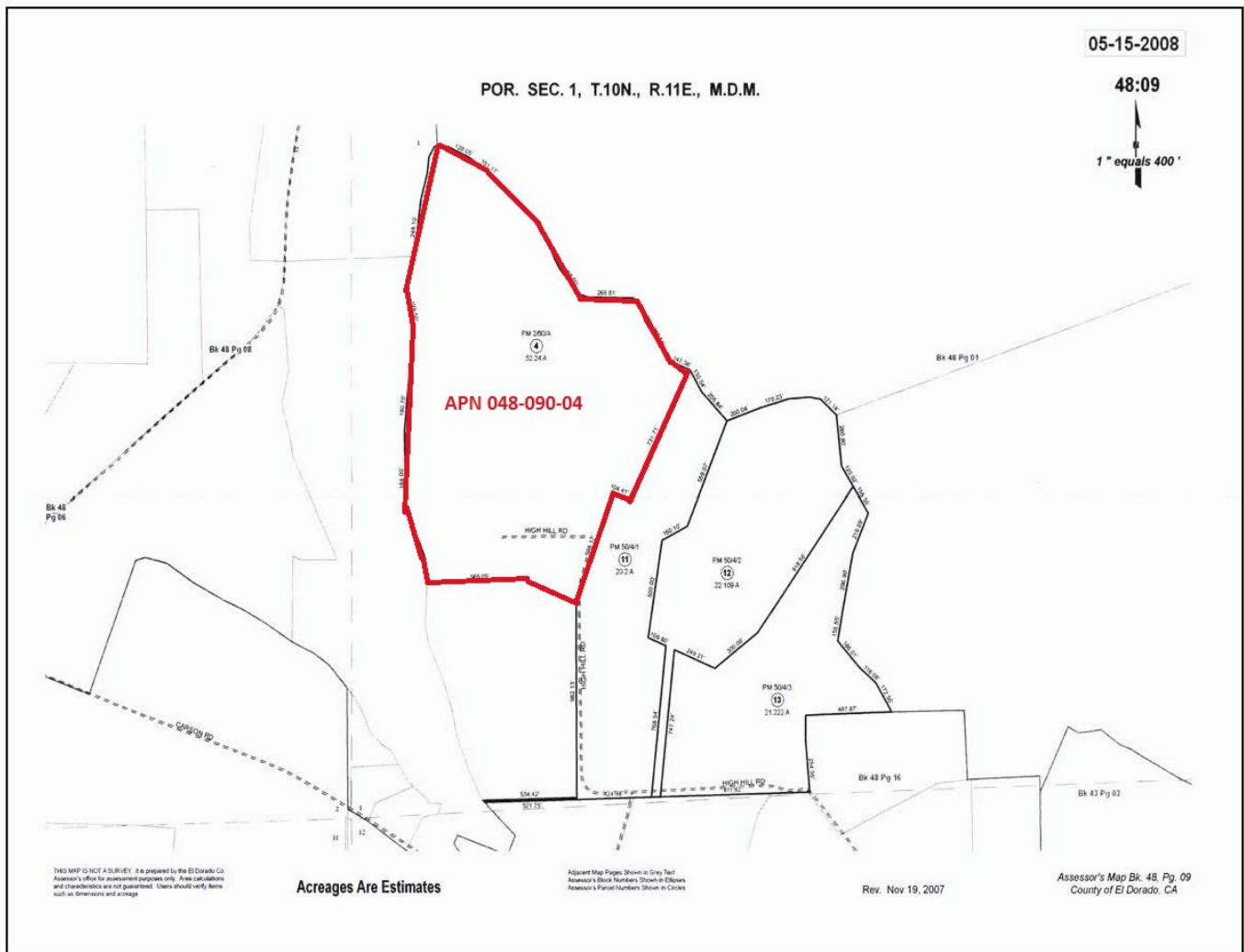


### 700 LTE: RSRP Proposed

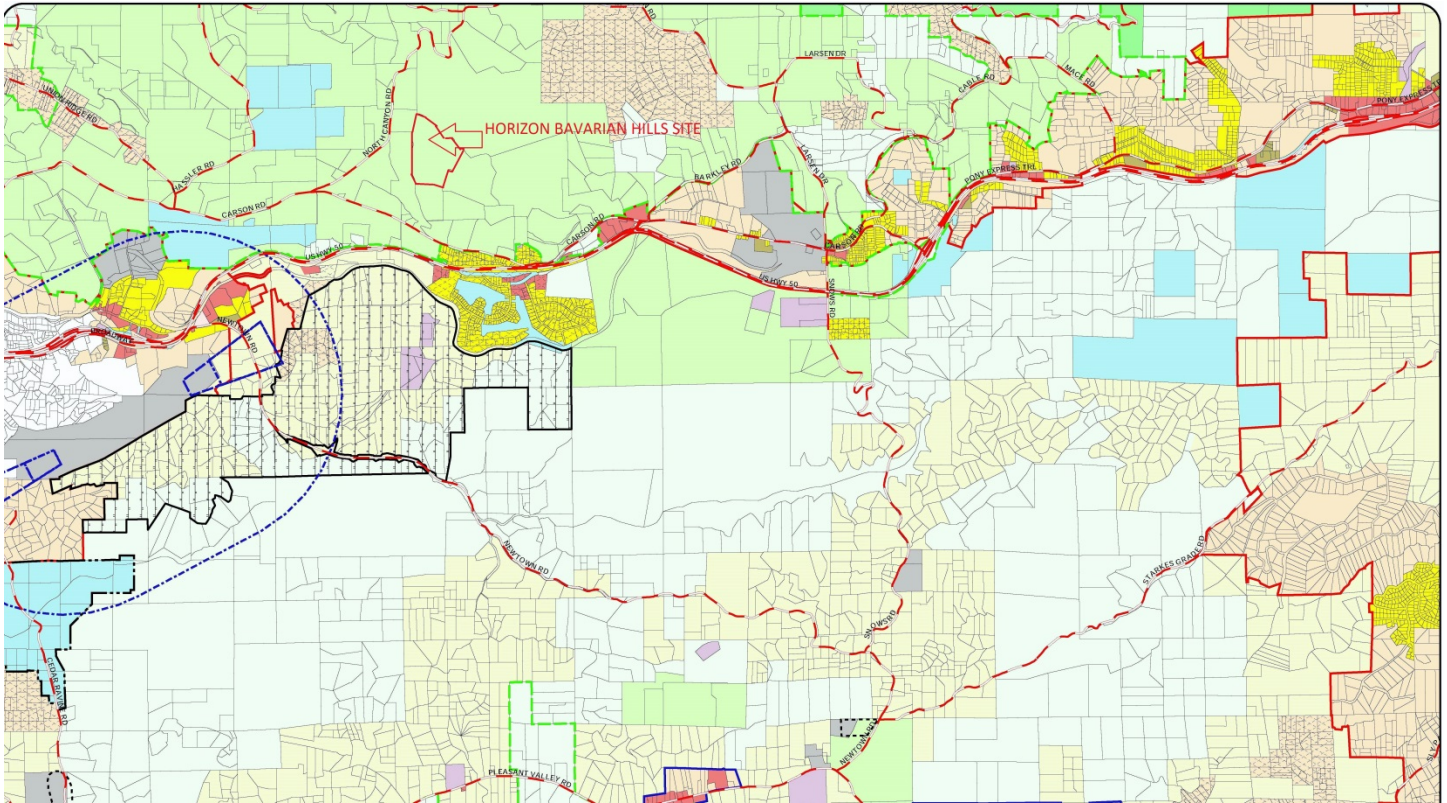
- Best Signal Level (dBm)  $\geq -85$
- Best Signal Level (dBm)  $\geq -95$
- Best Signal Level (dBm)  $\geq -105$



**HORIZON BAVARIAN HILLS LOCATION MAP**



## PARCEL MAP OF PROPOSED HORIZON BAVARIAN HILLS SITE ON BUSH PROPERTY



#### LEGEND

- |   |                                       |
|---|---------------------------------------|
| Adopted Plan  | Important Biological Corridor Overlay |
| Agricultural Lands 1 DU/20 ac.  | Agricultural District Overlay         |
| Commercial  | Platted Lands Overlay                 |
| High Density Residential 1 - 5 DU/ac.   | Ecological Preserves Overlay          |
| Industrial  | Mineral Resources Overlay             |
| Low Density Residential 1 DU/5 ac.  | Specific Plans                        |
| Medium Density Residential 1 DU/ac.   | Community Regions                     |
| Multi-Family Residential 5 - 24 DU/ac.  | Rural Centers                         |
| Natural Resources At or below 3,000' - 1 DU/40 ac.<br>Above 3,000' - 1 DU/160 ac. | Texas Hill Reservoir Take Line        |
| Open Space  | Parcel Boundaries                     |
| Public Facilities   | Major Roads                           |
| Research & Development  | Airport Safety Zones                  |
| Rural Residential 1 DU/10 - 160 ac.   |                                       |
| Tourist Recreational  |                                       |

#### NOTES:

Land use data is developed and maintained by the El Dorado County Planning Department - GIS Division. This map is a modified version of the general plan shown in the map.

Parcel lines and road data are provided for informational purposes only. This data is developed and maintained by the El Dorado County Surveyor's Office (GIS Division). This document was compiled from many sources, public and private. The accuracy of which may not have been verified by the County of El Dorado. The County does not warrant, represent or certify the accuracy or validity of the parcel lines and road data contained in this document. Users hereafter use this information at their own risk, and are encouraged to verify any information contained or depicted in this document.

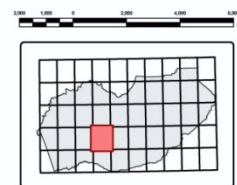
For precise airport safety zone boundary locations, see large scale map maintained by the Planning Department.

For more precise information regarding the Texas Hill Reservoir Take Line boundary, contact the El Dorado County Clerk.

Parcel lines courtesy: 541-6205



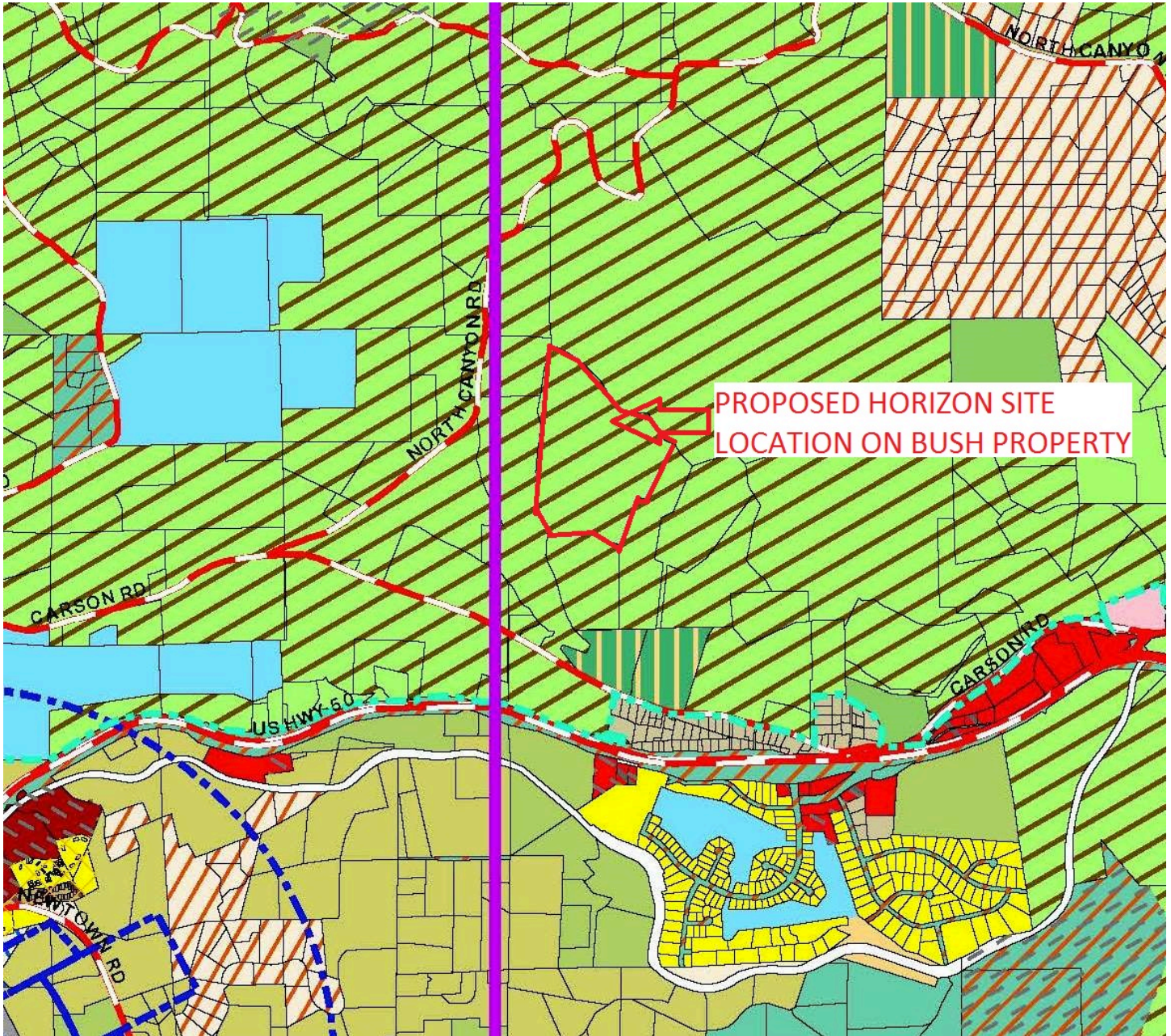
Map Created By:  
El Dorado County Planning Department  
GIS Division  
2850 Fairlane Court  
Placerville, CA 95667  
(530) 621-5355  
<http://pco.el-dorado.ca.us/planning>



CAMINO

## 2004 GENERAL PLAN LAND USE DIAGRAM

### PROPOSED HORIZON BAVARIAN HILLS SITE ON GENERAL PLAN MAP



# NOTES:

This Public Review DRAFT of the County Zoning Map is for the purpose of analysis as part of the Environmental Impact Report for the proposed Carson Creek Advanced Landfill and Composting Facility. The County does not warrant the accuracy or reliability of the information contained in this document. Users therefore use this information at their own risk, and are encouraged to verify any information contained herein against the actual data.

The zoning represented in this map is consistent with the County 2004 General Plan and current zoning map. The zoning map is a public record bearing the Seal of the County.

This document was prepared for the County of El Dorado. The County does not warrant the accuracy or reliability of the information contained in this document. Users therefore use this information at their own risk, and are encouraged to verify any information contained herein against the actual data.

Land use data is developed and maintained by the El Dorado County Development Services Department, Planning Division. This map uses a modified version of the parcel base information.

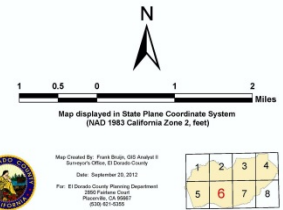
Parcel base and road data developed and maintained by the El Dorado County Surveyors Office (SDS).

The responsibility of the County is to provide information only. For precise zoning information, users should consult the County of El Dorado County Zoning Ordinance.

Parcel Base Map Current: March 2012

## **DRAFT ZONING ORDINANCE MAP**

Agricultural Grazing - 40 Acres	Commercial Community	Industrial	Rural Land - 10 Acres	Valley View - Specific Plan	Tahoe Basin
Agricultural Grazing - 160 Acres	Commercial General	Research & Development	Rural Land - 20 Acres	Marble Valley - Tentative Map	Design Review - Community
Limited Agriculture - 20 Acres	Commercial Limited	Residential Single Unit	Rural Land - 40 Acres	Meyers Community Plan -1	Planned Development
Limited Agriculture - 40 Acres	Commercial Mainstreet	Residential Multi-Unit	Rural Land - 80 Acres	Meyers Community Plan -2	Design Review Historical
Limited Agriculture - 80 Acres	Commercial Professional Office	Residential 20,000	Rural Land - 160 Acres	Meyers Community Plan -3	Manufactured/Mobile Home Park
Planned Agriculture - 10 Acres	Commercial Regional	Residential 1 Acre	Recreational Facility	Meyers Community Plan -4	Agricultural District Boundary
Planned Agriculture - 20 Acres	Open Space	Residential 2 Acres	Recreational Facility - Low	Meyers Community Plan -5	Airport Safety Zone
Planned Agriculture - 40 Acres	Forest Resource - 40 Acres	Residential 3 Acres	Recreational Facility - High	City of Placerville	Parcel Base
Planned Agriculture - 80 Acres	Forest Resource - 160 Acres	Residential Estate - 5 Acres	Carson Creek - Specific Plan	City of South Lake	Major Roads
Planned Agriculture - 160 Acres	Timber Production Zone	Residential Estate - 10 Acres	Promontory - Specific Plan	Transportation Corridor	

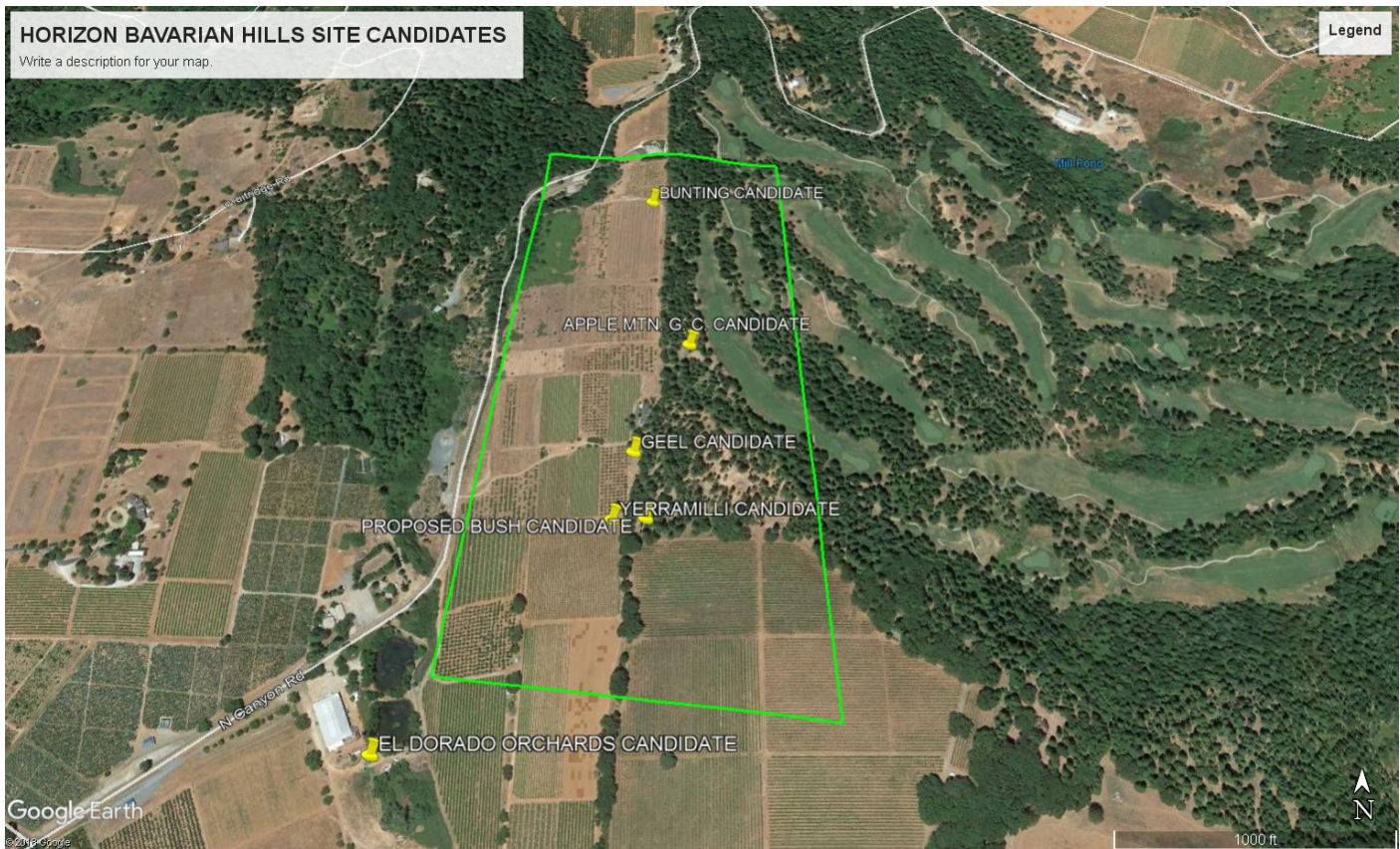




**SATELITE PHOTO OF PROPOSED HORIZON BAVARIAN HILLS SITE**

Pursuant to the application for a Conditional Use Permit for a multi-carrier capable communications facility at the Madrona Vineyard, APN 090-04-100 an alternate site analysis describing other properties identified and evaluated for this facility is herewith submitted as required by Zoning Ordinance Chapter 17.14.210.

Horizon Tower is pleased to provide the following information in response to this request. Our clients, major cell phone service providers, and our radio engineering team identified the need for improved coverage in the polygon shown below. Also shown are the candidates identified in our field search for locations which meet the required coverage objective.



Horizon Tower first contacted El Dorado County Planning Services to identify permitted zones and ordinance regulations applicable to cell sites. Based on the information secured from this research an extensive field survey was performed in the search area to identify properties in permitted zones which met our coverage objectives without topographic blockage, and provided a reasonable leasing potential. These properties are identified below:

Based on the above criteria our search was initially narrowed to the below properties providing a hilltop location on or overlooking North Canyon Road. Additional factors considered were the size of the properties, access, available utilities, and distance from adjacent residences.

1. Bunting (Bavarian Hills restaurant & orchard) APN 048-080-55-100
2. Apple Mountain Golf Course APN 048-010-31-100
3. Yerramilli APN 048-080-62
4. Geel APN 048-080-50-100
5. El Dorado Orchards APN 048-080-57-100

These properties were subsequently eliminated for the following reasons, referencing each property by the number above.

1. Bunting signed a lease and shortly thereafter had a change of heart, requesting us to terminate the lease. In the interest of maintaining community goodwill we agreed. The Bunting site would have required removal of 1600 square feet of orchard.
2. Apple Mtn. Golf Course - It was determined that access to the westerly part of the property along the tree line was limited to a narrow golf cart path crossing a creek, thus prohibiting construction and maintenance vehicles access.
3. After lengthy discussions owner Yerramilli decided to maintain the vineyard as is. (The cell site would have required removing grape plantings in a 40' x 40' area.)
4. The Geels advised they had put the property up for sale and did not want to enter a long term lease.
5. El Dorado Orchards is too far from the coverage objective and does not provide sufficient ground elevation.
6. There are no existing cell sites within or near the coverage area which would enable co-location.

Please see the below photo's describing alternate sites 1, 2, 3.

**Bavarian Hills Site Bunting Candidate**  
**3100 North Canyon Road, Camino, CA**



**Location of Bunting Candidate**



**Bunting Candidate Access Route**

**Bavarian Hills Site Apple Mtn. Golf Course Candidate  
3455 Carson Road, Camino, CA**



**Location of Apple Mtn. Golf Course Candidate**



**Apple Mtn. Golf Course Candidate Access Route**

**Bavarian Hills Site Yerramilli Candidate**  
**2910 N. Canyon Road, Camino, CA**



**Location of Yerramilli Candidate**

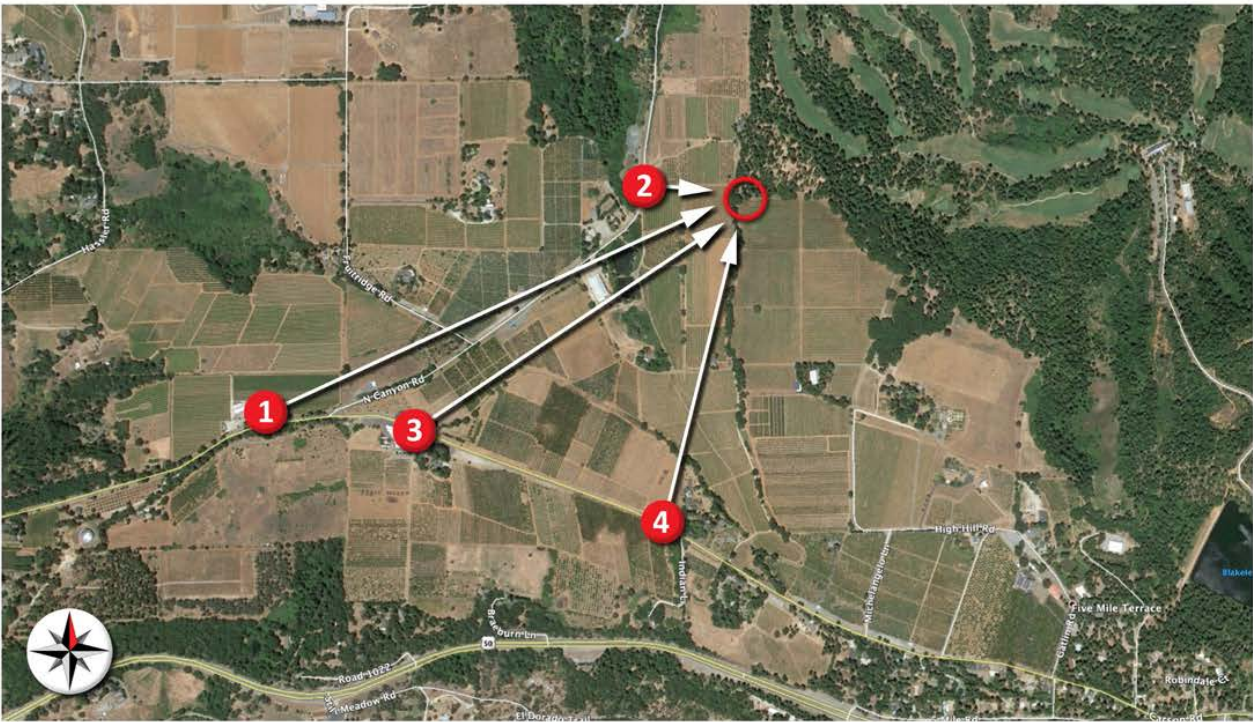


**Yerramilli Candidate Access Route**

### **Conclusion**

Following this exhaustive evaluation of site candidates the Madrona Vineyard Bush property was selected based on the following criteria:

- Hilltop position overlooking North Canyon Road
- Existing tree cover providing natural screening for a monopine
- Level ground requiring no grading
- Access direct from Carson Road through an existing vineyard road
- Owner Bush's willingness to lease on acceptable terms
- Power and telephone utilities being readily available through new underground extensions.
- The Agricultural Commission finds no adverse effect on natural resources.





**Existing**



proposed treepole

**Proposed**



Existing



Proposed



Existing



proposed treepole

Proposed



4/7/19

Bavarian Hills Site # CA4075

2560 High Hill Rd.  
Placerville, CA

Looking Northwest from Garson Rd. at Bao Vista

View #3

insight photosim (707) 315-1585





YOUR RF SAFETY PARTNER

## RADIO FREQUENCY ELECTROMAGNETIC FIELDS EXPOSURE REPORT

Prepared for Verizon

c/o Epic Wireless Group LLC

Site Name: **Apple MT**

Site Type: **Monopine**

Located at:

2560 High Hill Rd

Placerville, CA 95709

Latitude: 38.74929 / Longitude: -120.7208

Report Date: **2/12/2019**

Report By: **Jamie Santos**

Based on FCC Rules and Regulations, Verizon is compliant.

**CUP18-0012 Attachment 4**

Page 1/15

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## 1.0 EXECUTIVE SUMMARY

Dtech Communications, LLC ("Dtech") has been retained by Epic Wireless Group LLC., contractors to Verizon, to determine whether its wireless communications facility complies with the Federal Communications Commission ("FCC") Radio Frequency ("RF") Safety Guidelines. This report contains a computer-simulated and on-site analysis of the Electromagnetic Fields ("EMF") exposure resulting from the facility. The analysis also includes assessment of existing wireless carriers on site, where information is provided. The table below summarizes the results at a glance:

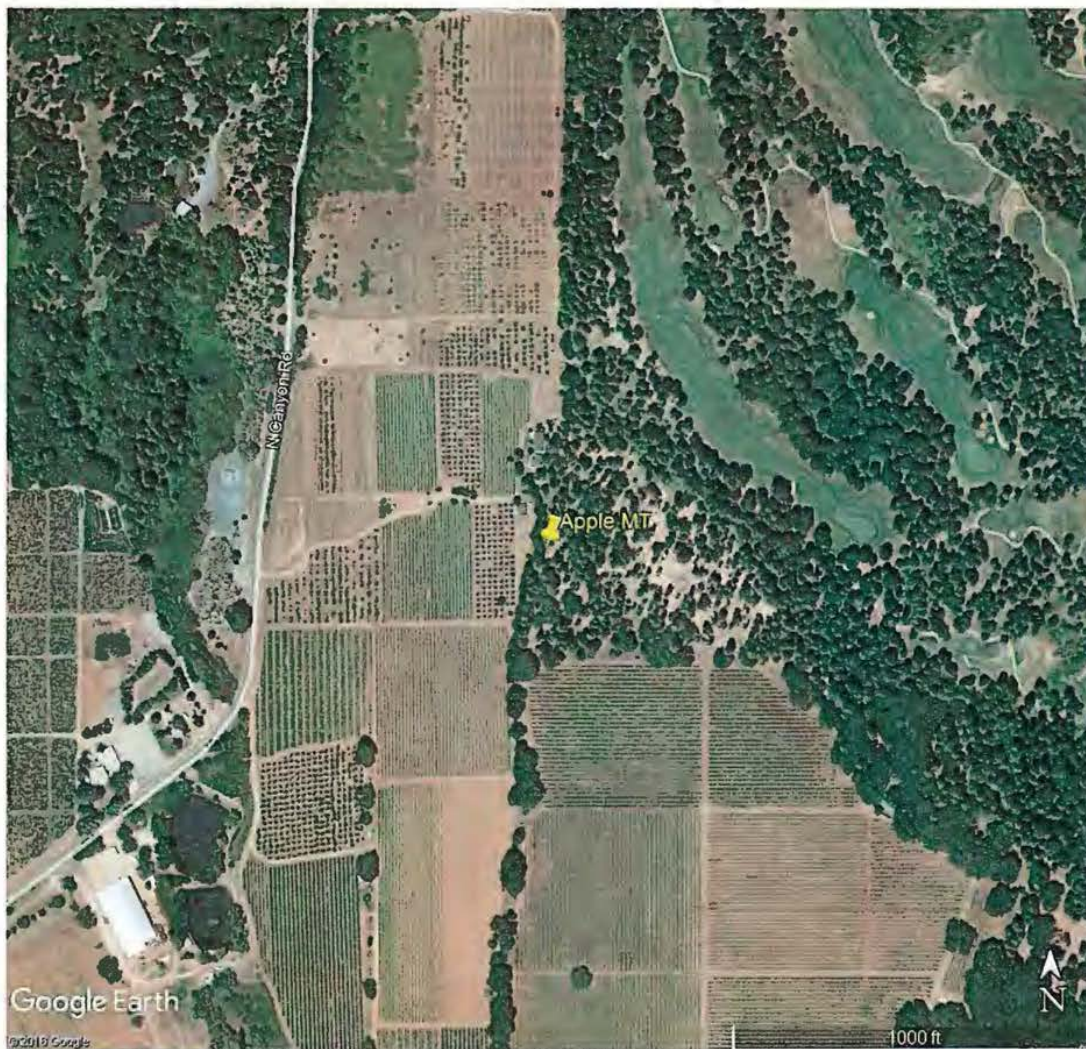
*Table 1: EMF Summary*

Verizon	Summary
Access Type	Gate
Access to antennas locked	Optional
RF Sign(s) @ access point(s)	None
RF Sign(s) @ antennas	None
Barrier(s) @ sectors	NA
Max EMF level for Verizon on Ground	1.0% General Population
Min Clearance Distance from Face of Verizon's Antennas	46 Feet

## 2.0 SITE DESCRIPTION

The wireless telecommunication facility is located on the ground. The facility consists of 1 wireless carrier(s) or operator(s): Verizon. The antennas are typically grouped into sectors pointing in different direction to achieve the desired areas of coverage. Verizon's antennas are mounted on a monopine tower and connected to the equipment via cables.

### 2.1 Site Map



## 2.2 Site Photographs



Verizon Proposed Location



Verizon Proposed Location



Verizon Proposed Location



Verizon Proposed Location

## 2.3 Antenna Inventory

Technical specifications in the table below are provided by our clients and/or gathered from physical field surveys where applicable and/or possible. Conservative estimates are used where information is not provided or available.

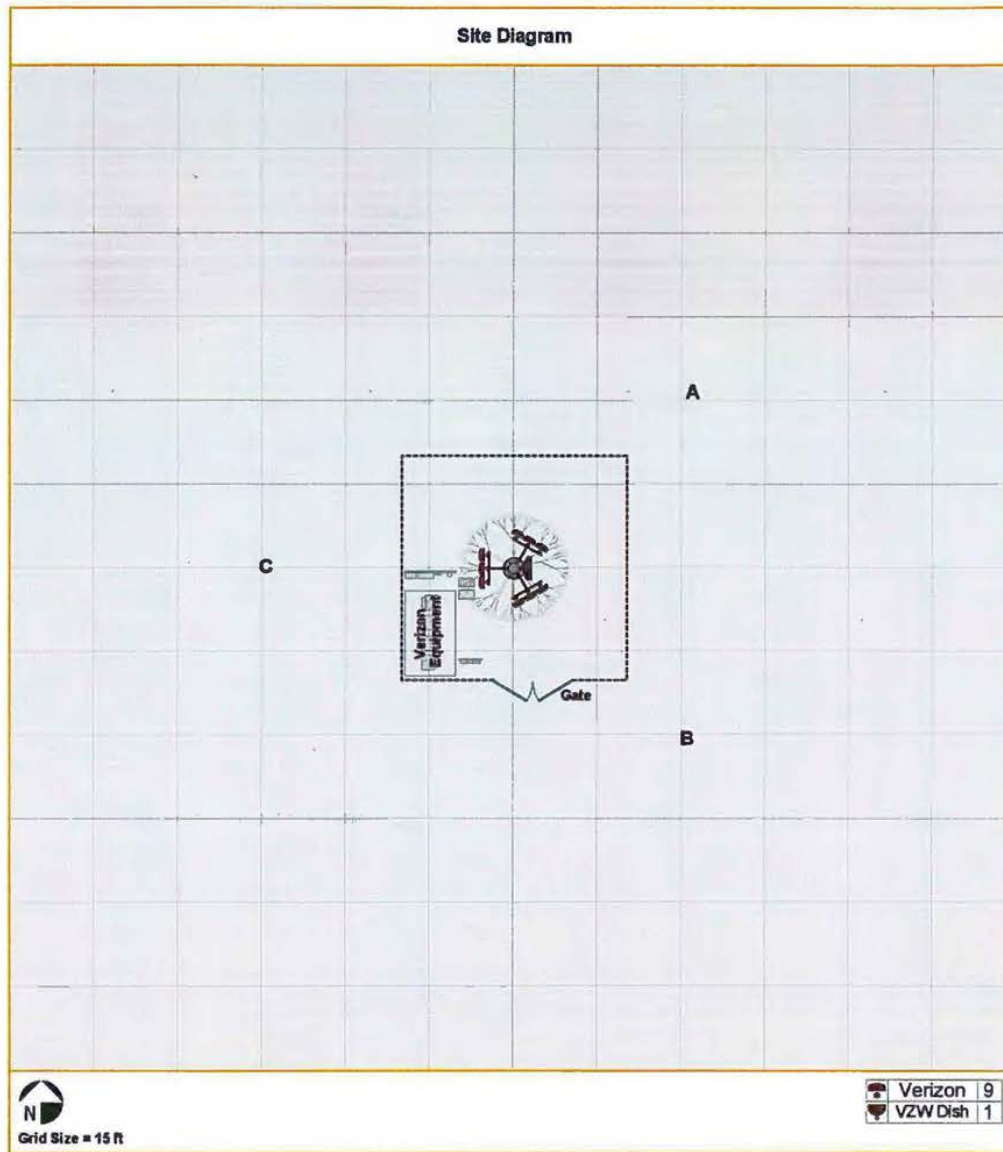
*Table 2: Site Technical Specifications*

Antenna ID	Operator	Antenna Mfg	Antenna Model	Type	Frequency (MHz)	Orientation (°T)	Horizontal BWidth (°)	Antenna Aperture (ft)	Antenna Gain (dBd)	Total Input Power (Watts)	Total ERP (Watts)	Bottom Tip Height Above Ground (Z) (ft)	Bottom Tip Height At Ant. Level (Z) (ft)
A1	Verizon	Commscope	NHH-65C-R2B	Panel	746	30	65	8.0	13.4	142	3098	111.0	0.0
A1	Verizon	Commscope	NHH-65C-R2B	Panel	880	30	62	8.0	13.7	142	3342	111.0	0.0
A2	Verizon	Commscope	NHH-65C-R2B	Panel	746	30	65	8.0	13.4	142	3098	111.0	0.0
A2	Verizon	Commscope	NHH-65C-R2B	Panel	2120	30	62	8.0	16.3	283	12055	111.0	0.0
A3	Verizon	Commscope	NHH-65C-R2B	Panel	880	30	62	8.0	13.7	142	3342	111.0	0.0
A3	Verizon	Commscope	NHH-65C-R2B	Panel	1965	30	66	8.0	15.7	283	10572	111.0	0.0
B1	Verizon	Commscope	NHH-65C-R2B	Panel	746	150	65	8.0	13.4	142	3098	111.0	0.0
B1	Verizon	Commscope	NHH-65C-R2B	Panel	880	150	62	8.0	13.7	142	3342	111.0	0.0
B2	Verizon	Commscope	NHH-65C-R2B	Panel	746	150	65	8.0	13.4	142	3098	111.0	0.0
B2	Verizon	Commscope	NHH-65C-R2B	Panel	2120	150	62	8.0	16.3	283	12055	111.0	0.0
B3	Verizon	Commscope	NHH-65C-R2B	Panel	880	150	62	8.0	13.7	142	3342	111.0	0.0
B3	Verizon	Commscope	NHH-65C-R2B	Panel	1965	150	66	8.0	15.7	283	10572	111.0	0.0
C1	Verizon	Commscope	NHH-65C-R2B	Panel	746	270	65	8.0	13.4	142	3098	111.0	0.0
C1	Verizon	Commscope	NHH-65C-R2B	Panel	880	270	62	8.0	13.7	142	3342	111.0	0.0
C2	Verizon	Commscope	NHH-65C-R2B	Panel	746	270	65	8.0	13.4	142	3098	111.0	0.0
C2	Verizon	Commscope	NHH-65C-R2B	Panel	2120	270	62	8.0	16.3	283	12055	111.0	0.0
C3	Verizon	Commscope	NHH-65C-R2B	Panel	880	270	62	8.0	13.7	142	3342	111.0	0.0
C3	Verizon	Commscope	NHH-65C-R2B	Panel	1965	270	66	8.0	15.7	283	10572	111.0	0.0
D1	Verizon	Unknown	Unknown	Dish	10000	90	2	4.0	38.0	-	65	103.0	0.0

### 3.0 ANALYSIS

#### 3.1 Site Diagram

Figure 1: Site Diagram - Plan (bird's eye) view



### 3.2 Emission Predictions

Figure 2: Plan (bird's eye) view map of results compared to FCC's General Population MPE (Maximum Permissible Exposure) Limits. Gray represents areas where exposure levels are calculated to be at or below 5%; Green- between 5% & 100% (below MPE limits); blue, yellow & red – greater than 100% (exceeds MPE limits). Individuals can safely occupy areas in gray and green for indefinite amount of time; whereas areas in blue, yellow & red must be restricted to RF trained personnel who has been made fully aware of potential for exposure, has control and knows how to reduce their exposure with the use of personal protection equipment or has the ability to power down the transmitters.

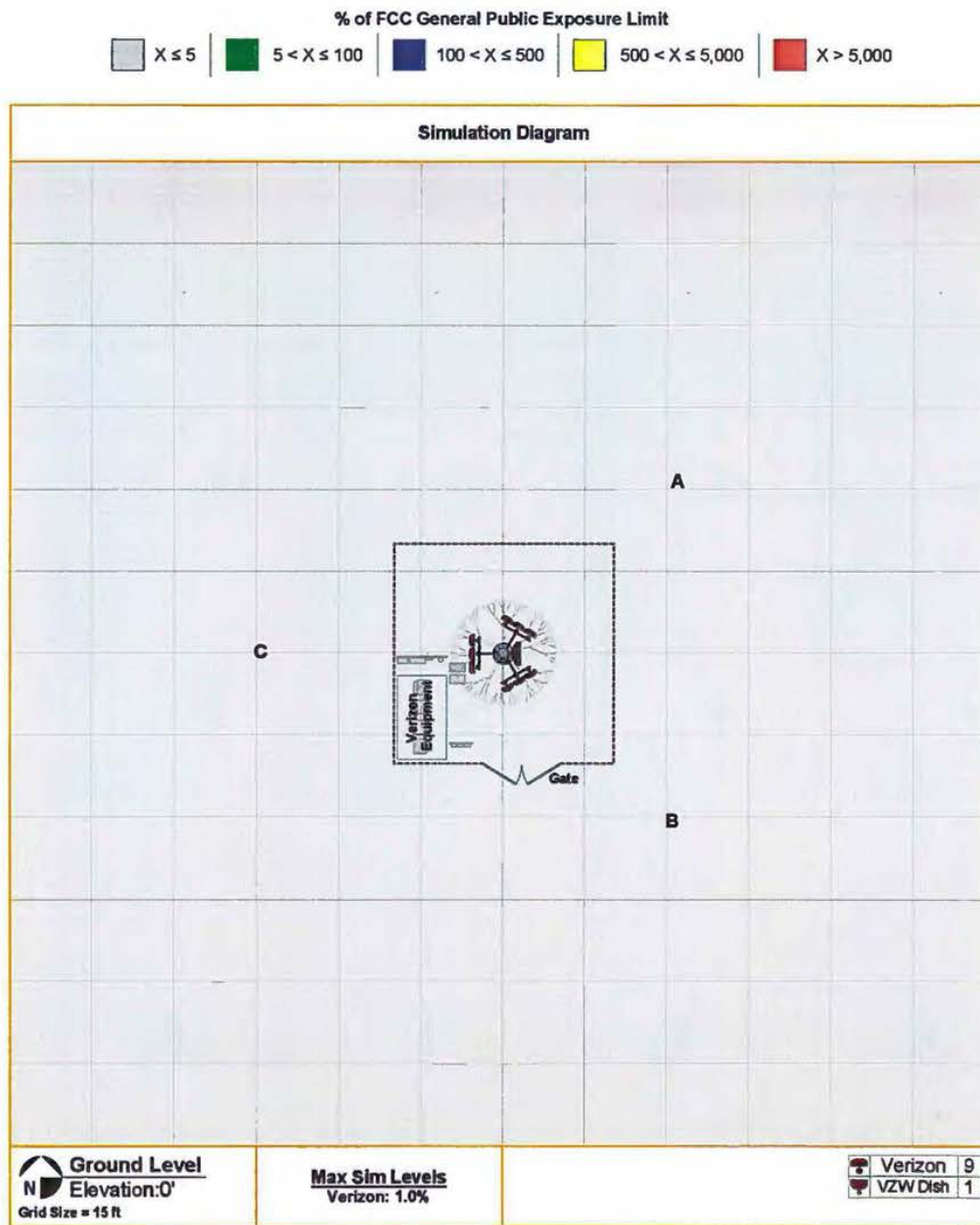
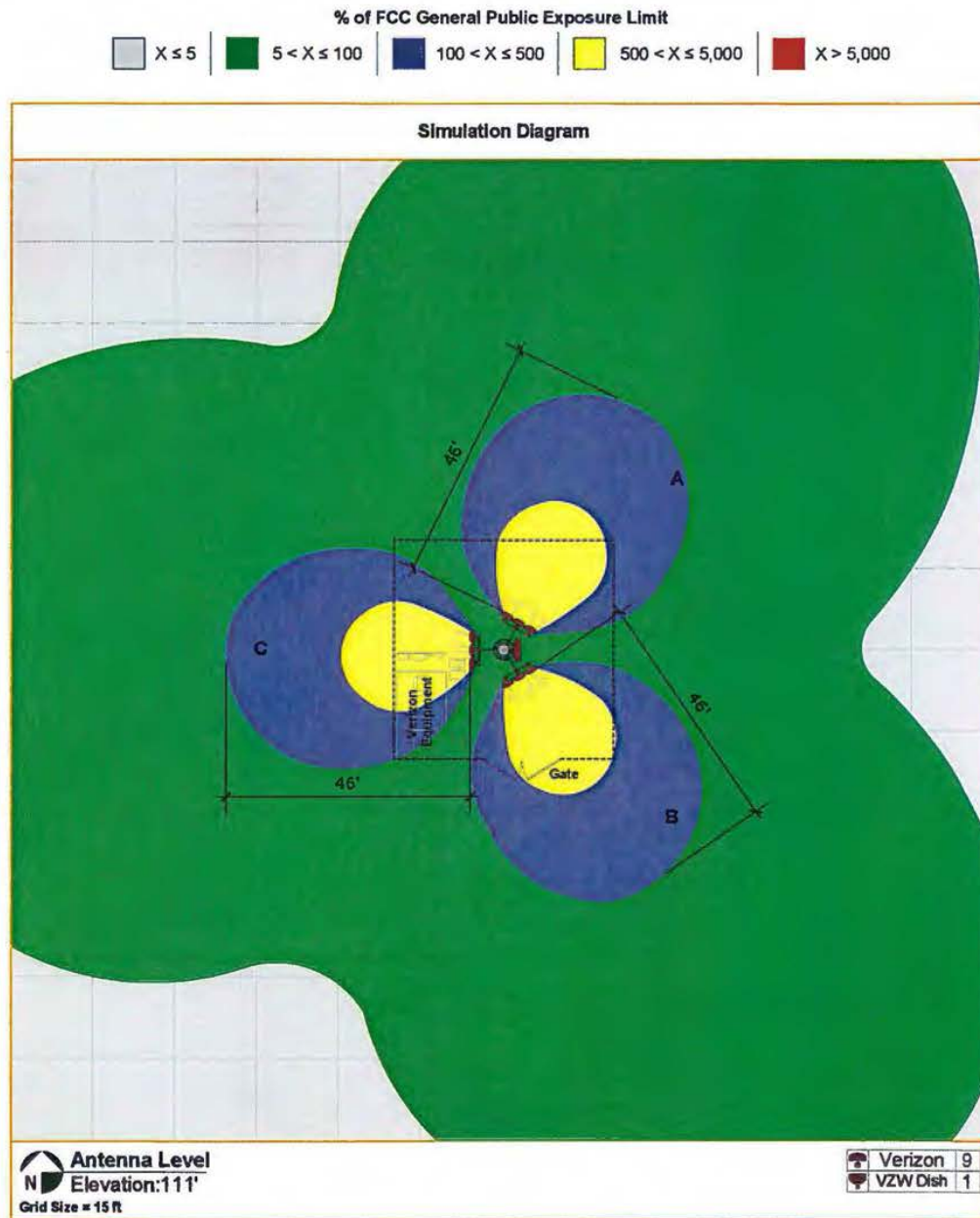


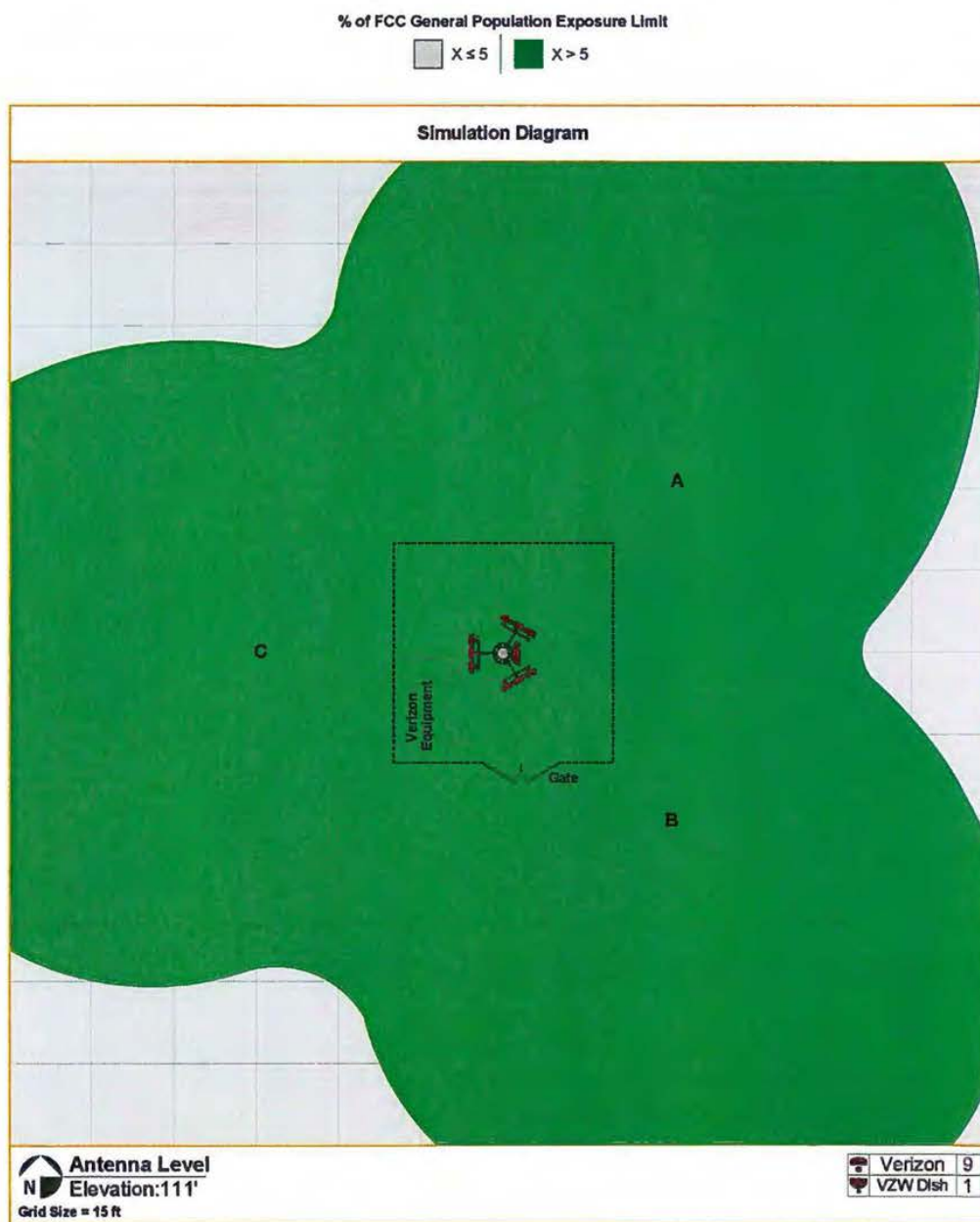
Figure 3: Plan (bird's eye) view map of results compared to FCC's General Population MPE (Maximum Permissible Exposure) Limits. Gray represents areas where exposure levels are calculated to be at or below 5%; Green- between 5% & 100% (below MPE limits); blue, yellow & red – greater than 100% (exceeds MPE limits). Individuals can safely occupy areas in gray and green for indefinite amount of time; whereas areas in blue, yellow & red must be restricted to RF trained personnel who has been made fully aware of potential for exposure, has control and knows how to reduce their exposure with the use of personal protection equipment or has the ability to power down the transmitters.



### 3.3 Five Percent Contributions

Mitigation measures are a shared responsibility for carriers whose RF emission levels exceed five percent of the FCC's exposure limits in areas of non-compliance.

Figure 4: Plan (bird's eye) view map of results compared to FCC's General Population MPE (Maximum Permissible Exposure) Limits. Gray represents areas where exposure levels are calculated to be at or below 5%; Green – greater than 5%.



## 4.0 CONCLUSION

### 4.1 Results

For a person standing in accessible areas on the ground, calculations for Verizon's site resulted in exposure levels below the FCC's most stringent General Population MPE Limits (see figure 2).

At antenna elevation, the highest calculated exposure level is above the FCC's General Population MPE Limits near the Verizon antennas (see figure 3). The overexposed (yellow and blue) areas extend 46-feet from the front face of the Verizon antenna(s). From the provided drawings, there are no other buildings or surrounding structures within 46-feet of the Verizon antenna(s). Beyond 46-feet, exposure levels are predicted to be below the FCC's most stringent General Population MPE Limits.

The antennas are mounted on a tall tower and therefore not accessible by the general public. It is presumed that Verizon employees and contractors are aware of the transmitting antennas and will take appropriate precautions when working near them.

### 4.2 Recommendation(s)

Further actions are not required.

### 4.3 Statement of Compliance

Based on the above results, analysis and recommendation(s), it is the undersigned's professional opinion that Verizon's site is compliant with the FCC's RF Safety Guidelines.

### 4.4 Engineer Certification

This report has been prepared by or under the direction of the following Registered Professional Engineer: Darang Tech, holding California registration number 16000. I have reviewed this report and believe it to be both true and accurate to the best of my knowledge.

  
Darang Tech, P.E.



## Appendix A: Background

Dtech uses the FCC's guidelines described in detail in Office of Engineering & Technology, Bulletin No. 65 ("OET-65") "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields". The table below summarizes the current Maximum Permissible Exposure ("MPE") safety limits classified into two groups: General population and Occupational.

Table 3: FCC MPE Limits (from OET-65)

Frequency (Mhz)	General Population/ Uncontrolled MPE (mW/cm <sup>2</sup> )	Averaging Time (minutes)	Occupational/ Controlled MPE (mW/cm <sup>2</sup> )	Averaging Time (minutes)
30 - 300	0.2	30	1.0	6
300 - 1500	Frequency (Mhz)/1500 (0.2 - 1.0)	30	Frequency (Mhz)/300 (1.0 - 5.0)	6
1500 - 100,000	1.0	30	5.0	6

**General population/uncontrolled** limits apply in situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment, and may not be fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public always fall under this category when exposure is not employment-related.

**Occupational/controlled** limits apply in situations in which persons are exposed as a consequence of their employment, and those persons have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits, as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

It is important to understand that the FCC guidelines specify *exposure* limits not *emission* limits. For a transmitting facility to be out of compliance with the FCC's RF safety guidelines an area or areas where levels exceed the MPE limits must, first of all, be in some way *accessible* to the public or to workers. When accessibility to an area where excessive levels is appropriately restricted, the facility or operation can certify that it complies with the FCC requirements.

## Appendix B: Measurement and/or Computer Simulation Methods

Spatial averaging measurement technique is used. An area between 2 and 6 feet, approximately the size of an average human, is scanned in single passes from top to bottom in multiple planes. When possible, measurements were made at very close proximity to the antennas and inside the main beam where most of the energy is emitted. The spatial averaged values were recorded.

Dtech uses an industry standard power density prediction computer Model<sup>1</sup> to assess the worse-case, cumulative EMF impact of the surrounding areas of the subject site. The Model does not take into account losses due to buildings. Its methodologies are conservative enough to account for typical down-tilts deployed in wireless communications. In addition, the analysis is performed at 100% duty cycle-all transmitters are active at all times and transmitting at maximum power. For purposes of a cumulative study, nearby transmitters are included where possible. The result is a surrounding area map color-coded to percentages of the applicable FCC's MPE Limits. A result higher than 100% exceeds the Limits.

## Appendix C: Limitations

The conclusions in this document rendered by Dtech are based solely upon the information collected during the site survey and/or furnished by our Client which Dtech believes is accurate and correct. Dtech, however, has no responsibility should such Client provided information prove to be inaccurate or incorrect. Third party specification estimates used for cumulative computer simulation purposes, where applicable, are based on common industry practices and our best interpretation of available information. Data, results and conclusions in this document are valid as of its date. However, as mobile technologies continuously change, these data, results and conclusions may also be at variance with such future changes. Dtech has no responsibility to update its survey or report to account for such future technology changes. This document was prepared for the use of our Client only and cannot be utilized by any third party for any purpose without Dtech's written consent. Dtech shall have no liability for any unauthorized use of this document and any such unauthorized user shall defend, indemnify and hold Dtech and its owners, directors, officers and employees harmless from and against any liability, claim, demand, loss or expense (including reasonable attorney's fees) arising from such unauthorized use.

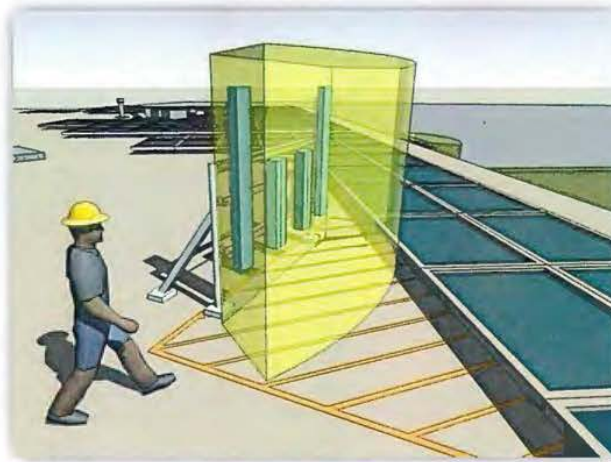
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<sup>1</sup> Dtech uses Roofmaster(tm) 2015 Version 15.7.2.18 per Verizon's direction.

## Appendix D: AntennaView®

Dtech Communications offers a unique, online tool (AntennaView®) to train, identify and inform individuals of site-specific HotZones – areas that may potentially exceed the FCC's Safety Limits. AntennaView® is an online, interactive training tool that will educate nontechnical people in about ten minutes. It is a site-specific, RF safety training program that requires the end user to sign an online agreement thereby limiting the liability to the landlord and carriers. Some of the advantages include:

- Virtual walk-through in 3-D with corresponding photographs
- Site-specific, interactive, simple to understand
- Delivers pertinent information i.e. HotZones (areas that may potentially exceed FCC safety limits), site owners and contact numbers.
- User online agreement = accountability



We invite you to take a quick tour at [www.AntennaView.com](http://www.AntennaView.com) and see how easy to understand and informative AntennaView® is.

*Under Article 47 CFR § 1.1307(b), the FCC & OSHA mandates wireless operators/facility owners to have an RF survey completed including a safety plan and training to ensure that their tenants, employees and contractors who work in or around RF sites are aware of the potential risks posed by RF radiation. Most cell sites are located on building rooftops where HVAC contractors, window washers, painters, etc. routinely work and generally do not know what antennas even look like. Dtech Communications can help with ongoing FCC/OSHA compliance and provide practical training that is easy to understand by anyone regardless of their technical background.*

## Appendix E: Verizon's RF Advisory Signs



GUIDELINES Sign



NOC INFORMATION Sign



NOTICE Sign



CAUTION Sign



WARNING Sign

GEIST ENGINEERING &amp; ENVIRONMENTAL GROUP INC



May 31, 2019

Horizon Tower, LLC  
 117 Town & Country Drive, Suite A  
 Danville, California 94526

**RE: Summary Update Biological Resource Assessment (Compliance)  
 El Dorado County Requested Biological Assessment  
 Horizon Tower ID: CA4075 / Horizon Tower Name: Bavarian Hills  
 Horizon Address: 2560 High Hills Road, Placerville, El Dorado County, CA 95667  
 GE<sup>2</sup>G Project # 311130**

Geist Engineering and Environmental Group, Inc. (GE<sup>2</sup>G), appreciates the opportunity to submit this Executive Summary Biological Resource Assessment Report regarding the planned New Site Build (NSB) Horizon Tower, LLC facility as listed above.

### **Executive Summary:**

The habitat identified for this project is identified as mixed confer-oak woodland. Wildlife species observed during the survey include Grey Squirrels, Robins, Red-breasted Nuthatch, Scrub and Stellar Jays, wild Turkey, Acorn Woodpeckers, Juncos, and House Finches. Red-breasted Nuthatches were observed nesting in cavities of onsite pine trees. The site topography contains no features that would be suitable for the impoundment or retention of water. The proposed tower and equipment location site contained no jurisdictional water features as described by State or Federal regulatory authorities. The field survey verified that no jurisdictional water features were located within the proposed project site. None of the special status species documented to occur within five miles of the site as indicated by the California Natural Diversity Database (CNDDB) GIS review were observed during the survey. As part of this Biological Reconnaissance Habitat Assessment, we also evaluated the potential for occurrence of special-status plant species and special-status wildlife species. Because common wildlife species found in the project area are locally and regionally common, potential impacts to these resources are considered less than significant. Therefore, no avoidance or minimization measures are proposed at this time.

Based on the preliminary results of the Biological Reconnaissance Habitat Assessment it is our finding that potential impacts to wildlife or plants can be avoided provided the Standard Construction Conditions outlined below are followed, it is our opinion the proposed project would: 1) Have less than significant impacts upon federal and California endangered, threatened, proposed or candidate species; 2) Not result in destruction or adverse modification of a critical habitat area of a federal or California endangered or threatened species; and 3) Not result in "take" of migratory birds protected under the Migratory Bird Treaty Act and other state, local or federal law.

### **Recommendations:**

No special status wildlife species being reported in the Biological Reconnaissance Habitat Assessment, were observed during biological surveys. No avoidance or minimization measures are proposed at this time.

(Continued next Page)

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**  
 4200 Park Boulevard #149, Oakland, California 94602  
 510.238.8851 (p) / 510.238.8644 (f)  
**Field Offices: Arizona, California, Colorado, Oregon, and Washington**



**Best Management Practices & Standard Construction Conditions are briefly summarized below:**

1. If construction will start during the breeding or nesting season for Migratory Bird Treaty Act (MBTA) birds than a preconstruction avian survey for nesting birds should be implemented. (*Breeding season starts February 1, nesting season starts March 1<sup>st</sup> and both continue through until mid-September with special circumstances for individual species*).
2. Construction Best Management Practices as well as Standard Construction Conditions will need to be completed to prevent take of nesting bird species as listed in the biological report (Staging and fueling, silt fencing and pre-construction surveys).

If you have any inquiries or would like any additional information, please contact me at (510) 238-8851, or [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com).

**(The final report with maps will be released in June of 2019)**

Sincerely,

A handwritten signature in blue ink, appearing to read 'Stephen Geist', is written over a light green rectangular background.

Mr. Stephen Geist, President, (510-610-1453)

Geist Engineering and Environmental Group, Inc. [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)

CC: Mr. Yancey Bissonnette, Consulting Botanist/Biologist

Horizon Drawings Utilized dated April 4, 2019

GEIST ENGINEERING & ENVIRONMENTAL GROUP INC



## National Environmental Policy Act (NEPA) Report



**Horizon Tower Site Number CA4075 / Horizon Tower Site Name: Bavarian Hills**  
**2560 High Hill Road, Placerville, El Dorado County CA 95667**  
**GE<sup>2</sup>G Project Number: 311130**

**Tower Owner Client:**  
Horizon Tower, LLC  
117 Town and country Drive, Suite A, Danville, California 94526

**Prepared by:**  
Geist Engineering and Environmental Group, Inc.  
4200 Park Boulevard #149 Oakland, California 94602

October 22, 2019



October 22, 2019

Horizon Tower, LLC  
 Attn: Ms. Suzie Densmore  
 117 Town & Country Drive, Suite A  
 Danville, California 94526

**Subject: National Environmental Policy Act (NEPA) Report for a New Tower  
 Proposed new Monopole concealed as a tree (Monotree)  
 Horizon Tower# CA4075  
 Horizon Tower Site Name: Bavarian Hills  
 2560 High Hill Road, Placerville, El Dorado County CA 95667  
 GE<sup>2</sup>G Project number 311130**

Dear Ms. Densmore,

The completed National Environmental Policy Act (NEPA) documentation, for the proposed Horizon Tower, LLC installation at the address noted above (the Subject Property) is included within this report. The purpose of this NEPA is to evaluate the above-referenced property for environmental and historical concerns specified by the Federal Communications Commission (FCC) in 47 CFR 1.1307, and general consulting industry standards.

Horizon Tower, LLC has proposed to construct a 120-foot tall monopole telecommunications tower at the Subject Property (125-foot tall with monotree concealment). Additionally, Horizon Tower has proposed to install four 10-foot by 20-foot tenant sublease spaces and associated support equipment within a 40-foot by 40-foot fenced, master ground lease area. Power will be installed to the lease area in an underground utility trench approximately 750 feet long. It is anticipated that power, telco, grounding, fence posts and/or coaxial subsurface installations will not exceed 52-inches in depth. The tower foundation depth is anticipated to be at least 30 feet below grade. GE<sup>2</sup>G assumes that depth to groundwater is greater than 80 feet below grade surface.

Please find the attached NEPA Checklist Sheet, NEPA Detail Report, and associated documentation for the Subject Property. **Based upon the results of the GE<sup>2</sup>G assessment, it appears that the proposed installation will not adversely impact any of the criteria as outlined in 1.1307(a) items (1) through (8) and preparation of an Environmental Assessment (EA) for these criteria is not required. Please note regarding item (4) GE<sup>2</sup>G has determined that for the proposed undertaking no Historic Properties are in the Area of Potential Effects ("APE") for direct or visual resources based on a lack of response from the California State Historic Preservation Office. Based on the California State Historic Preservation Office technical guidance about the FCC Nationwide Programmatic Agreement, GE<sup>2</sup>G assumes California State Historic Preservation Office concurrence with the no effect findings. Please see the below recommendations to keep this Undertaking within NEPA compliance.**

**Recommendation(s):**

- 1) Native American Request Monitor to be Present For Excavation Activities:  
 One Federal Native American tribe has requested tribal monitoring=  
 Wilton Rancheria.**
- 2) MBTA: Since the proposed monotree design and height is under 199-feet above grade surface it is unlikely that the Subject Property undertaking would adversely impact migratory bird species protected under the Endangered Species Act and the**



**Migratory Bird Treaty Act (MBTA).** However, it is recommended that a preconstruction avian clearance survey be performed to insure that no other birds or raptors protected under the MBTA have occupied the Subject Property or adjacent trees between the potential nesting seasons of February and September of each year if construction activities will occur.

Public notice was published in the local newspaper the Mountain Democrat on April 1, 2019. In addition, El Dorado County Historical Society was invited to comment in the Section 106 consultation process on July 22, 2019.

To initiate the Tower Construction Notification System (TCNS), documentation regarding the proposed project was sent to the FCC's TCNS. Once received the FCC's TCNS sends the project information to the Tribes listed on their database who have expressed an interest in the state in which the project is planned. As of the issuance of this NEPA one federal tribe The Wilton Rancheria has requested a monitor to be present for excavation oversight. Please note that the Wilton Rancheria did not indicate that any action of the proposed Undertaking will actively harm known cultural resources however the vicinity of the undertaking is located within an area of interest to the Wilton Rancheria.

The NEPA assessment was completed according to the terms and conditions authorized by Horizon Tower, LLC. There are no intended or unintended third party beneficiaries to this NEPA. GE<sup>2</sup>G is an independent firm, not an employee of either the property owner or the project proponent, and its compensation was not based on the findings or recommendations made in the NEPA or on the closing of any business transaction. Note that the findings of this NEPA are based on the project specifications provided to GE<sup>2</sup>G and described in this NEPA. In the event that the design or location of the installation changes, please contact GE<sup>2</sup>G as additional review and/or consultation may be required.

It has been a pleasure to complete this NEPA report.

Respectfully Submitted,

A handwritten signature in blue ink that reads 'Tiffany Campbell'.

Ms. Tiffany Campbell  
Author

A handwritten signature in blue ink that appears to read 'Stephen T. Geist'.

Mr. Stephen T. Geist  
Reviewer / President  
510-238-8851

- Appendix A – NEPA Checklist Sheet
- Appendix B – NEPA Detail Report
- Appendix C – Figures, Drawings, and Maps
- Appendix D – Environmental Reconnaissance Habitat Assessment & IPaC
- Appendix E – SHPO Form 620 and SHPO Submittal Receipt
- Appendix F – Native American Correspondence
- Appendix G – FEMA Floodplain Map
- Appendix H – Wetlands Map



CA4047 / Bavarian Hills  
2560 High Hill Road  
Placerville, EL Dorado County CA

# Appendix A

## NEPA Checklist Sheet



## FCC-NEPA Checklist Summary Sheet

FCC NEPA Resource Evaluated	Effect of the Subject Property Action	Consulting Agency
Designated Wilderness Areas	<b>No Adverse Impact</b>	Bureau of Land Management, National Park Service, U.S. Forest Service
Designated Wildlife Preserves/ National Wildlife Refuges	<b>No Adverse Impact</b>	Bureau of Land Management, National Park Service, U.S. Forest Service
Threatened or Endangered Species or Critical Habitats	<b>No Adverse Impact</b> * A limited species review did not identify immediate concerns. However pre-construction avian clearance survey is suggested.	California Native Diversity Database and the U.S. Fish & Wildlife Service
Historic Places	<b>No Adverse Impact*</b> * No response on the FCC Form 620 submittal from the CA SHPO within 30 days of July 26, 2019 therefore the applicant may proceed with the process as outlined in the Programmatic Agreement	California State Historic Preservation Office and Native American Heritage Commission (NAHC)
Native American Sacred/ Religious Sites	<b>No Adverse Impact*</b> *Wilton Rancheria requested a monitor task as a condition of this NEPA Screen report. **If cultural remains identified stop all work.	Federally Recognized Native American Tribes**, Bureau of Land Management
Floodplain	<b>No Adverse Impact</b>	Federal Emergency Management Agency
Wetlands & Surface Waterways	<b>No Adverse Impact</b>	U.S. Fish & Wildlife Service National Wetland Maps, U.S. Army Corps of Engineers.
High intensity white lights	<b>No Adverse Impact</b>	According to Horizon Tower, LLC provided documents and zoning drawings, the Subject Property proposed development will not maintain intensity white lights in a residential neighborhood.

GE<sup>2</sup>G Signature:

(Ms. Tiffany Campbell)

Date: October 22, 2019



CA4047 / Bavarian Hills  
2560 High Hill Road  
Placerville, EL Dorado County CA

# Appendix B

## NEPA Detail Report



## National Environmental Policy Act (NEPA) Detail Report

NEPA compliance for wireless facilities includes an evaluation of 47 CFR and the Nationwide Programmatic Agreements of 2001 and 2005. The preparation of NEPA documentation under 47 CFR includes an evaluation of eight primary points as defined within Section 1.1307 (a)(1) through (8), including:

- 1) Wilderness Areas,
- 2) Wildlife Preserves,
- 3) Endangered and Threatened Species and Designated Critical Habitats,
- 4) Historic Places,
- 5) Native American Religious Sites,
- 6) Flood Plains,
- 7) Wetlands and Surface Features, and
- 8) High Intensity White Lights.

### 1. Wilderness Areas

According to a review of the Department of Agriculture list of wilderness areas, the Subject Property is not located in any of California's 149 officially designated wilderness areas. According to a review of National Park Service (NPS) resources, the Subject Property is not located within any of the 23 California National Parks or any of the 4 California National Trails that run through California. Additionally, the Subject Property is not located near any designated Scenic and Wild Rivers or Bureau of Land Management land under federal control.

#### **Finding:**

The Subject Property undertaking is not located within a designated Wilderness Area and a *No Adverse Impact* was marked on the checklist.

#### **Source(s):**

[http://www.wilderness.net/index.cfm?fuse=NWPS\\_](http://www.wilderness.net/index.cfm?fuse=NWPS_)  
<http://www.nps.gov/state/ca/index.htm>  
<http://www.nps.gov/carto/PDF/TRAILSmap1.pdf>  
<http://www.rivers.gov/maps/conus-200.pdf>  
<http://www.blm.gov/ca/st/en/fo/folsom/mapfolsom2.html> .  
<http://publiclands.org>, and  
Appendix C



## 2. Wildlife Preserve/ National Wildlife Refuges

According to a review of U.S. Fish & Wildlife Service public information about National Wildlife Refuges there are 39 designated wildlife preserves in the State of California. GE<sup>2</sup>G researched the boundaries of the nearest refuge or preserve, to help determine if the Subject Property was within any designated wildlife reserves. There are no Wildlife Refuges near the Subject Property.

### Finding:

The Subject Property undertaking is not located within a designated wildlife preserve and a *No Adverse Impact* was marked on the checklist.

**Source(s):** <http://www.fws.gov/refuges/refugeLocatorMaps/california.html>  
[www.fws.gov/refuge](http://www.fws.gov/refuge), and  
Appendix C

## 3. Listed and/or Proposed Threatened or Endangered Species or Designated Critical Habitats

GE<sup>2</sup>G has a license agreement with the California Department of Fish and Wildlife to utilize their proprietary software program which provides access to the most current information contained in the California Natural Diversity Database (CNDDDB). The CNDDDB contains information for plant, animal and natural community element occurrences throughout California. The CNDDDB search also included the California Inventory of Rare and Endangered Vascular Plants of California from the California Native Plant Society (CNPS). Based on the biological setting Alphabiota Environmental Consulting as retained to complete a Reconnaissance Habitat Assessment.

The Subject Property is located on the Camino CA quadrangle. A CNDDDB data check revealed 5 threatened or endangered species for the area search by GE<sup>2</sup>G. The identified threatened and endangered species and critical habitats are summarized below along with their habitat compared against the existing project. The USFWS Information, Planning, and Conservation System (IPaC) listed 6 Migratory birds of concern for the Subject Property.

Common Name	Status	Identified Species Habitat	Likelihood of Occurring at the Project Undertaking
<b>Wildlife Species</b>			
Bank Swallow	Federal: N State: T	Requires vertical banks/cliffs with fine textured soils near streams, rivers, lakes or the ocean.	<input type="checkbox"/> High <input checked="" type="checkbox"/> Low
Yuma myotis bat	Federal: SC State: N	Distribution closely tied to bodies of water. Maternity colonies in caves, mines, buildings or crevices. Optimal habitats are open forests and woodlands with sources of water over which to feed.	<input type="checkbox"/> High <input checked="" type="checkbox"/> Low



Common Name	Status	Identified Species Habitat	Likelihood of Occurring at the Project Undertaking
Fisher	Federal:N State: T	Fishers inhabit upland and lowland forests, including coniferous, mixed, and deciduous forests. They occur primarily in dense coniferous or mixed forests, including early successional forest with dense overhead cover	<input type="checkbox"/> High <input checked="" type="checkbox"/> Low
California Red-legged Frog	Federal:T State: T	This species usually occurs in or near quiet permanent water of streams, marshes, ponds, lakes, and other quiet bodies of water. In summer, frogs estivate in small mammal burrows, leaf litter, or other moist sites in or near (within a few hundred feet of) riparian areas).	<input type="checkbox"/> High <input checked="" type="checkbox"/> Low
FISH Delta Smelt	See Note*	*Note: Based on the absence of water Fish are not described in detail as the habitat is not present at or nearby the Subject Property.	<input type="checkbox"/> High <input type="checkbox"/> Low <input checked="" type="checkbox"/> none
<b>Plant Species</b>			
Nissanen Manzanita	Federal:N State: T	Open, rocky shale ridges, chaparral, woodland	<input type="checkbox"/> High <input checked="" type="checkbox"/> Low
Brandegee's Clarkia	Federal:N State: T	Often road cuts, chaparral, cismontane woodland and lower montane coniferous forests.	<input type="checkbox"/> High <input checked="" type="checkbox"/> Low
<b>Natural Community</b>			
None	Federal: Critical Habitat		

E= Endangered, R= Rare, T= Threatened, N= None, NA= Not applicable, 1B.1= Plants rare, threatened, or endangered in CA and elsewhere, seriously threatened in CA

Most of the lands of the subject property consist of planned agricultural use where grape vines have been planted on most of the south and west portions of the 54.24 acres. The eastern and northern bounds of the subject property consist of a mix of managed oak and pine woodland. The northwest portion of the property where the proposed lease is to occur consists of this type of habitat. An 8-foot-high wire mesh fence restricts access to the vineyard portion of the property by wildlife and generally demarcate the boundary between the forested areas or the subject property. The subject property is surrounded by other planned agriculture uses to the west, northwest, and south. An 18-hole golf course is adjacent to the northern boundary of the subject property and is visually obscured by mixed oak and conifer woodlands of the subject property.

The habitat identified for this project is identified as mixed conifer-oak woodland. This Type of habitat is common in the foothills of California's Sierra Nevada and Coastal ranges. The dominant overstory species observed at the site consist of pine, oak, and Madrone trees of the species Ponderosa Pine (*Pinus ponderosa*), Black Oak (*Quercus douglasii*), and Pacific Madrone (*Arbutus menziesii*). The understory of the lease vicinity consisted of a thick layer of "chipped" wood and branches that appeared to be placed as a "weed" barrier within this area of the site. Cut logs and the wood chip mulch indicated that this portion of the site had



recently been “logged” and or thinned. The chipped wood was still the color of fresh cut wood and showed very little evidence of having been in exposed to the elements for any long duration. Additionally, the wood chipped mulch layer was effectively reducing any understory vegetation from growing as observed at the time of the survey.

The site survey found that nesting birds occur at the site. Based on the survey and database review was determined that the Subject Property vicinity supports nesting birds and nesting bird habitat. Wetlands or riparian areas were not observed by GE<sup>2</sup>G. There is a low diversity of plant species occurring at the site as indicated by the site survey. The disturbance and maintenance level of the Subject Property is likely preventing the any of the listed and other commonly occurring plant species of the region from establishing or growing at the Subject Property. It was concluded that none of the listed plant species identified in the CNDDB review are likely to occur at the site

Since the proposed new monotree design and height is under 199-feet above grade surface it is unlikely that the Subject Property undertaking would adversely impact migratory bird species protected under the Endangered Species Act and the Migratory Bird Treaty Act. However, it is recommended that a preconstruction avian clearance survey be performed to insure that no other birds or raptors protected under the MBTA have reoccupied the Subject Property and adjacent trees between the potential nesting seasons of February and September of each year if construction activities will occur. The USFWS Information, Planning, and Conservation System (IPaC) listed (partial listing) the following Migratory birds of concern list for the Subject Property: Bald Eagle, Cassin's Finch, Lewis's Woodpecker, Olive-sided Flycatcher, Rufous Hummingbird, and Williamson's Sapsucker.

#### **Finding:**

The Subject Property undertaking is not within a sensitive habitat and the Subject Project undertaking is unlikely to affect threatened or endangered species. A *No Adverse Impact* was marked on the checklist.

Since the proposed new monotree design and height is under 199-feet above grade surface it is unlikely that the Subject Property undertaking would adversely impact migratory bird species protected under the Endangered Species Act and the Migratory Bird Treaty Act. However, it is recommended that a preconstruction avian clearance survey be performed to insure that no other birds or raptors protected under the MBTA have reoccupied the Subject Property and adjacent tree between the potential nesting seasons of February and September of each year if construction activities will occur.

The protection of birds is regulated by the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA). Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. The USFWS Information, Planning, and Conservation System (IPaC) listed (partial listing) the following Migratory birds of concern list for the Subject Property: Acorn Woodpeckers, House Finches, Stellar Jays, Wild Turkey, Red-breasted Nuthatch, Junco and Robin.

**Source(s):** Alphabiota Environmental Consulting Reconnaissance Habitat Assessment,  
<http://www.fws.gov/sacramento/maps.htm>,



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California Natural Diversity Database (CNDDDB) version 3.1.1 updated August 3, 2019,  
California Native Plant Society (CNPS),  
IPAC, Version 2.2 9/3/2019,  
U.S. Fish & Wildlife Service Most Recent Quad List,  
<http://criticalhabitat.fws.gov/>, and  
Appendix C

#### 4. Historic Places

The Horizon Tower, LLC Subject Property new tower undertaking did not meet the Exclusions of the Nationwide Programmatic Agreement (NPA) of the Section 106 National Historic Preservation Act Review Process. As a result, consultation with the California State Historic Preservation Officer (SHPO) was completed by GE²G.

GE²G retained a qualified secretary of the interior archaeologist, Carolyn Losee with ART, who personally completed the CHRIS records review which included the California Office of Historic Preservation Computer Listings of historic resources, the California Inventory of Historic Resources, California Historical Landmarks, California Points of Historical Interest, the National Register of Historic Places, and vicinity Archaeological Determinations of Eligibility on November 30, 2018.

The project area was studied previously for cultural resources (NCIC File no. ELD-18-104). Results of the study were negative for the project area. Three historic-period cultural resources were located within the research radius (Primary Site Nos. 1507, 1508 and 1524). Sites 1507 and 1524 are comprised of historic ranch elements, and Site 1508 is the Iowa Ditch. None of these resources are located on the NRHP.

Seven additional studies covered a portion of the broader search area: NCIC Study Nos. 2158, 3494, 3561 and 3610. They lie safely beyond the direct APE for the subject project.

Results of the records search would indicate at least a low sensitivity for the presence of both historic and prehistoric resources in the project vicinity. The Site Parcel is developed with Madrona Vineyards and Madrona winery with a residential house present. No archaeological or historic sites are located in the project area and vicinity. No prehistoric, culturally modified soils were in view on the subject parcel.

On 21 November 2018, ART visited the project site and performed an intensive foot reconnaissance with photographic reconnaissance. Results were negative. The lease area is located on a ridge at the northwest end of property. A contemporary, two story-family home lies southeast of the site. The proposed utility run and access are located on the northern part of the property, beginning near the house. Underground utility trenching will be in an area disturbed previously by the construction of the driveway, existing utilities, and landscaping. In the proposed lease area ground visibility was good, about 95 percent. Soil was comprised of medium-brown silty loam. No bedrock was in view from the project location. Slopes in the immediate project vicinity are slight. There did not appear to be any nearby water sources. There were no potential historic resources or districts in view during ART's survey. Cultural sensitivity in the immediate project vicinity appeared to be low.

There were no historic or potentially historic buildings or districts within view of the project area. Three historic-period cultural resources were located within the research radius (Primary Site Nos. 1507, 1508 and 1524). Sites 1507 and 1524 are comprised of historic



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ranch elements, and Site 1508 is the Iowa Ditch. None of these resources are located on the NRHP. Seven additional studies covered a portion of the broader search area: NCIC Study Nos. 2158, 3494, 3561 and 3610. Results of the records search and field survey indicate a low potential for the presence of archaeological deposits.

In addition ART completed a cultural resources field assessment which evaluated the APE for direct effects and indirect effects and none were identified. As of the issuance date of this NEPA GE²G has not received comments from Federal Indian Tribes, California State recognized Indian tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects. The proposed monopole and placement of equipment within a new fenced in ground lease area will not present an indirect or visual effect to known Historical Resources in the Project vicinity. ART's findings were determined to be No Historic Properties, and no further recommendations for cultural resources were made.

In addition ART oversaw a cultural resources field assessment which evaluated the APE for direct effects and indirect effects and none were identified. GE²G did not received comments from Federal Indian Tribes, California State recognized Indian tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects.

The stealth nature of the proposed monotree will not pose an indirect or visual effect to known Historical Resources in the Project vicinity.

GE²G submitted a complete FCC Form-620 submittal package to the California SHPO on July 26, 2019. The thirty-day comment period stipulated by the Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process elapsed. The completed FCC Form-620 as completed by GE²G determined that the proposed undertaking would have no effect upon historical resources listed in or potentially eligible for listing in the National Register. Based on the lack of response from the SHPO and in accordance with the procedures set forth in the NPA, GE²G assumes concurrence with this conclusion.

In the unlikely event that unanticipated Historic Properties, cultural artifacts, archeological deposits, or human remains are inadvertently encountered during the proposed construction and associated excavation activities, Horizon Tower, LLC must stop construction work immediately and contact the appropriate local officials and state agencies, in accordance with Federal and State regulations (36 CFR 800.13(b)).

**Finding:**

Based on the research completed the proposed undertaking No Historic Properties are in the Area of Potential Effects ("APE") for direct or visual resources.

**Source(s):**

SHPO Drop-Off Verification Form dated July 26, 2019,

*CA SHPO 30-day policy (PA Stipulation VII.B.2. & VII.C.2. — 30 Day Review) If applicants do not receive a response from the SHPO within 30 days then the applicant may proceed with the process as outlined in the PA. As a result of this provision, the SHPO office will no longer provide status checks on submitted projects*



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Form 620 submittal Day 1- July 26, 2019,

Cultural Resources Investigation for Horizon Towers, LLC CA4075 "Bavarian Hills" 2560 High Hill Road, Placerville, El Dorado County, California 95667, as completed By ART, July 15, 2019.

and,

Appendix E.



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## 5. Native American Religious Sites

GE<sup>2</sup>G directly requested a Tower Construction Notification System (TCNS) request on November 6, 2018, through the FCC Wireless Telecommunications Bureau. The GE<sup>2</sup>G TCNS request was formally initiated by the FCC on November 16, 2018. The received TCNS Notification # 180197 email lists the federal Tribes identified through the FCC TCNS process. As requested by the Tribes, GE<sup>2</sup>G has provided backup information where requested. At the time of this NEPA report only one of the identified TCNS Tribes has expressed an interest in Native American monitoring. The Wilton Rancheria has requested a Native American monitor be present for excavation oversight. None of the remaining tribes have made other requests with the proposed Horizon Tower, LLC undertaking.

#	Tribe Name	TCNS Day 1	Response to Initial Contact	Second Contact Attempt	Response to Second Attempt	Third Contact Attempt	Response to Third Attempt	Action Recommended
<b>Native American Federally Recognized Tribes contacted the FCC</b>								
1	Eastern Shoshone Tribe	11/16/18	Summary and backup requested by tribe via email and mail	Website delivery of requested info sent 7/22/19	None	On August 29, 2019 this tribe was escalated by the FCC and the tribe had 15 days to respond	None	<b>No Immediate Further Action</b>
2	Los Coyotes Reservation	11/16/18	No interest if no response in 30 days (TCNS Exclusion) *1	N/A	N/A	N/A	N/A	<b>No Immediate Further Action</b>
3	Washoe Tribe of Nevada & CA	11/16/18	No interest if no response in 30 days (TCNS Exclusion) *2	N/A	N/A	N/A	N/A	<b>No Immediate Further Action</b>
4	Skull Valley Band of Goshute Indians	11/16/18	Summary and backup requested by tribe via email and mail	Mail and Email delivery of requested info sent 7/22/19	None	No Interest email received July 29, 2019 *3	None	<b>No Immediate Further Action</b>
5	Northwestern Band of Shoshone Nation	11/16/18	Summary and backup requested by tribe via email and mail	Mail and Email delivery of requested info sent 7/22/19	None	No Interest email received July 24, 2019 *4	None	<b>No Immediate Further Action</b>



#	Tribe Name	TCNS Day 1	Response to Initial Contact	Second Contact Attempt	Response to Second Attempt	Third Contact Attempt	Response to Third Attempt	Action Recommended
6	United Auburn Indian Community	11/16/18	On 12/6/18 – The United Auburn Indian Community originally requested that a monitor be present for excavation.	On July 26, 2019 the tribe also received the E620 Form with cultural backup and notes	On August 20, 2019 a letter was received via US mail from the tribal cultural department with the THPO listed. The tribal correspondence stated they had no immediate interest *5	N/A	N/A	No Immediate Further Action
7	Ione Band of Miwok Indians	11/16/18	Summary and backup requested by tribe via email and mail	Mail and Email delivery of requested info sent 7/22/19	None	On August 29, 2019 this tribe was escalated by the FCC and the tribe had 15 days to respond	None	No Immediate Further Action
8	Shingle Springs Rancheria	11/16/18	No Interest email received December 6, 2018 *6	N/A	N/A	N/A	N/A	No Immediate Further Action
9	Wilton Rancheria	11/16/18	Summary and backup requested by tribe via email and mail	Mail and Email delivery of requested info sent 7/22/19	On August 1, 2019 the Wilton Rancheria request possible cultural resources and that a monitor be present. *7	N/A	N/A	Native American Monitor Requested for excavation Oversight

*\*1 If the Applicant receives no response from the Los Coyotes Reservation within 30 days after notification through TCNS, the Los Coyotes Band of Indians has no interest in participating in pre-construction review for the proposed site. The Applicant, however, must immediately notify the Los Coyotes Band of Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.*



*\*2 If the Applicant receives no response from the Washoe Tribe of Nevada & CA within 30 days after notification through TCNS, Washoe Tribe of Nevada & CA has no interest in participating in pre-construction review for the proposed site. The Applicant, however, must immediately notify the Washoe Tribe of Nevada & CA in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.*

*\*3 Thank you for the necessary documentation for us to review your proposed projects. We have no issues with any historic properties within the APE that we have affiliation to.*

*\*4 Thank you for the necessary documentation for us to review your proposed projects. We have no issues with any historic properties within the APE that we have affiliation to.*

*\*5 August 20, 2019 Based on the information provide by your agency, our records indicate that this project is not likely to affect cultural resources that may be of importance to the UAIC....Finally, please contact us if you find any Native American cultural resources, in, or around, your project area.*

*\*6 We have no interest in this site. However, if the Applicant discovers archaeological remains or resources during construction, the Applicant should immediately stop construction and notify the appropriate Federal Agency and the Tribe.*

*\*7 Thank you for your letter in regards to the above proposed undertaking. Wilton Rancheria has identified Cultural Resources in close proximity to the project area and would recommend having Tribal Monitor(s) present during construction. Spot-check monitor would be suffice for this project.*

Please note, in the unlikely event that unanticipated Historic Properties, cultural artifacts, archeological deposits, or human remains are inadvertently encountered during the proposed construction and associated excavation activities, Horizon Tower, LLC must halt activities immediately and contact the appropriate tribal governments, local officials and state agencies, in accordance with Federal and State regulations (36 CFR 800.13(b)).

Per the requirements of the California SHPO, GE<sup>2</sup>G worked with the California Native American Heritage Commission (NAHC) to obtain a state list of federally and non-federally recognized tribes that have previously indicated an historical interest in the area of the proposed telecommunications installation. Please refer to Appendix E FCC Form-620 for copies of pertinent correspondence with the identified state-recognized tribes.

#### **Finding:**

The Subject Property undertaking has not received any tribal input that the project will affect tribal religious resources and a *No Adverse Impact* was marked on the checklist.

#### **Source(s):**

FCC and Tribal correspondence is located with the FCC Form-620 SHPO package,

and

Appendixes E and F.



## 6. Flood Plain

According to the Federal Emergency Management Agency FEMA Flood Insurance Rate Map data for El Dorado County, California, the Subject Property is not located within a 100-year floodplain. The Subject Property is located with the designated Zone X.

### Finding:

Based on the GE<sup>2</sup>G research completed, the Subject Property undertaking is not located within a 100-year Flood Plain.

### Source(s):

<http://www.msc.fema.gov>, and  
Appendix G

## 7. Wetlands and Surface Features

It is in the opinion of GE<sup>2</sup>G that no documented or potential wetlands are located at the Project Undertaking Action Area. According to the reviewed USF&WS wetland map for El Dorado County, California, the Subject Property is not located within a designated wetland. Additionally, based on a site visit characteristics of a wetland were not observed.

### Finding:

Based on the GE<sup>2</sup>G research completed, the Subject Property undertaking is not located within a designated Wetland.

### Source(s):

<http://www.fws.gov/wetlands/data/Mapper.html> , and  
Appendix H

## 8. High intensity white lights

According to provided documents and Horizon Tower, LLC zoning drawings, the Subject Property proposed development will not maintain intensity white lights in a residential neighborhood.

### Finding:

The Subject Property will not maintain high intensity white lights in a residential area.

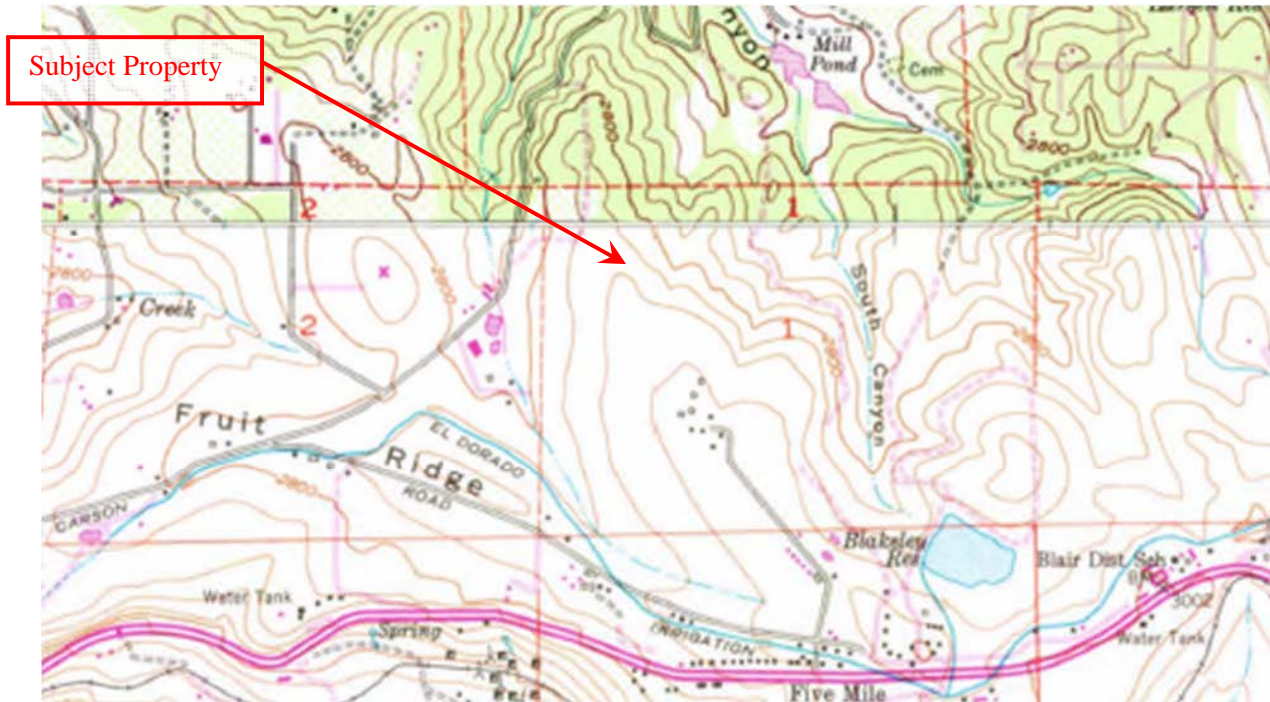
**Source(s):** Horizon Tower, LLC Drawings documents dated April 2, 2019.



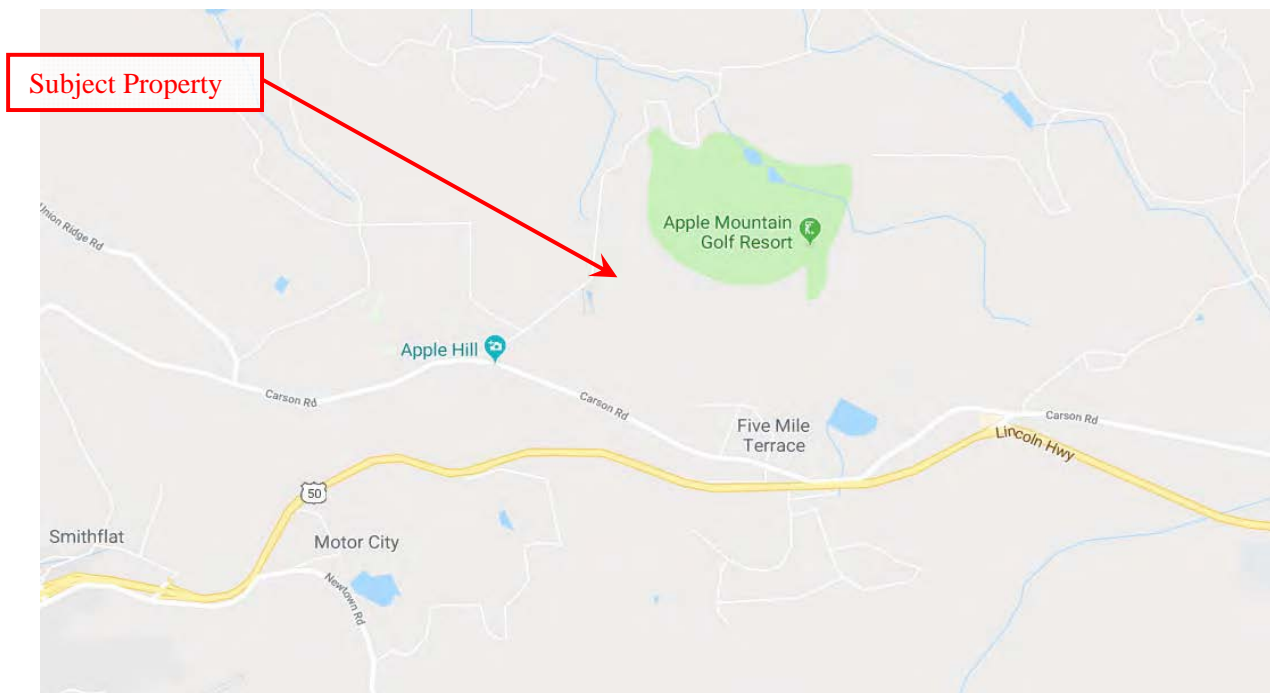
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## Appendix C

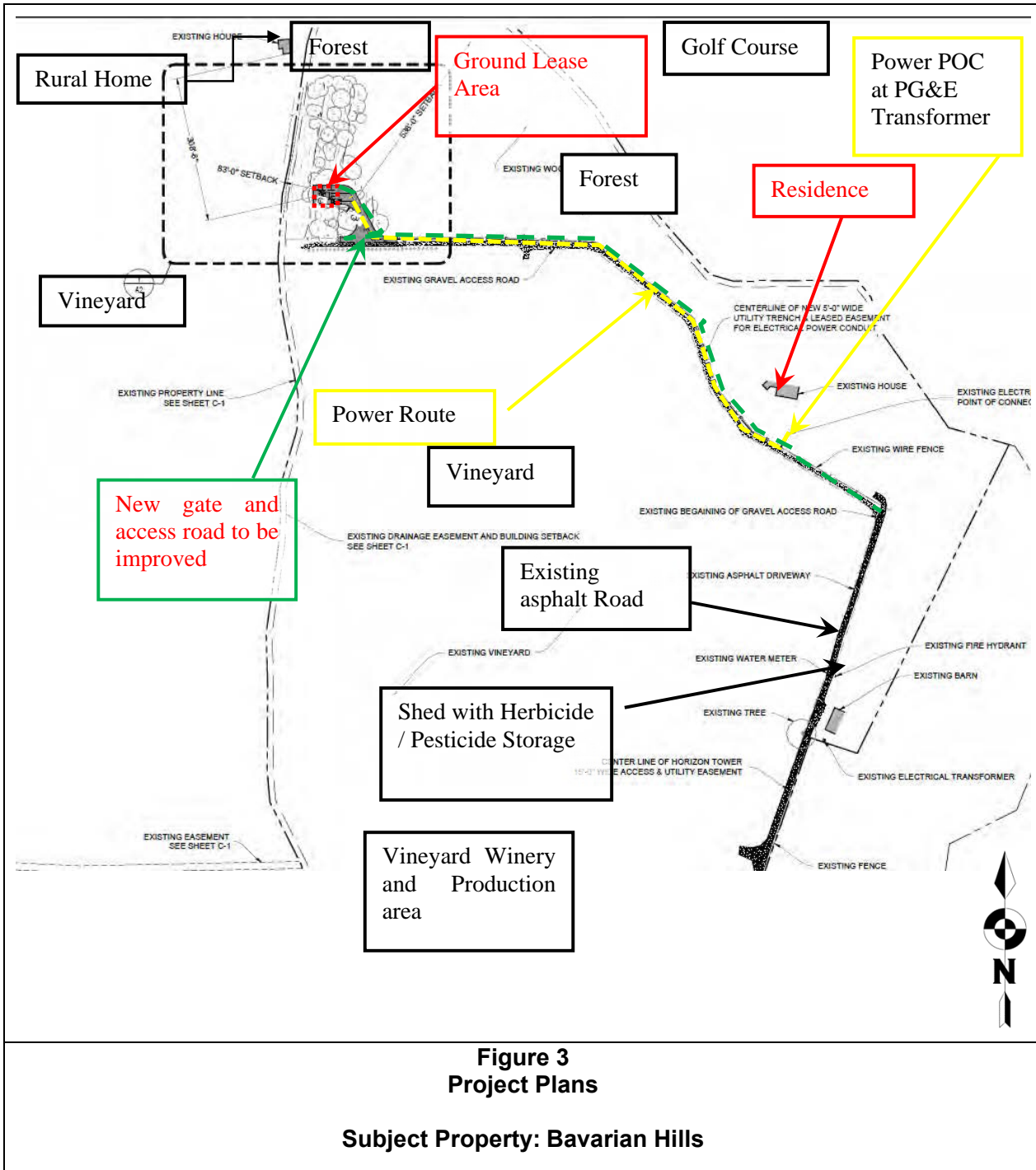
### Figures, Drawings, & Maps

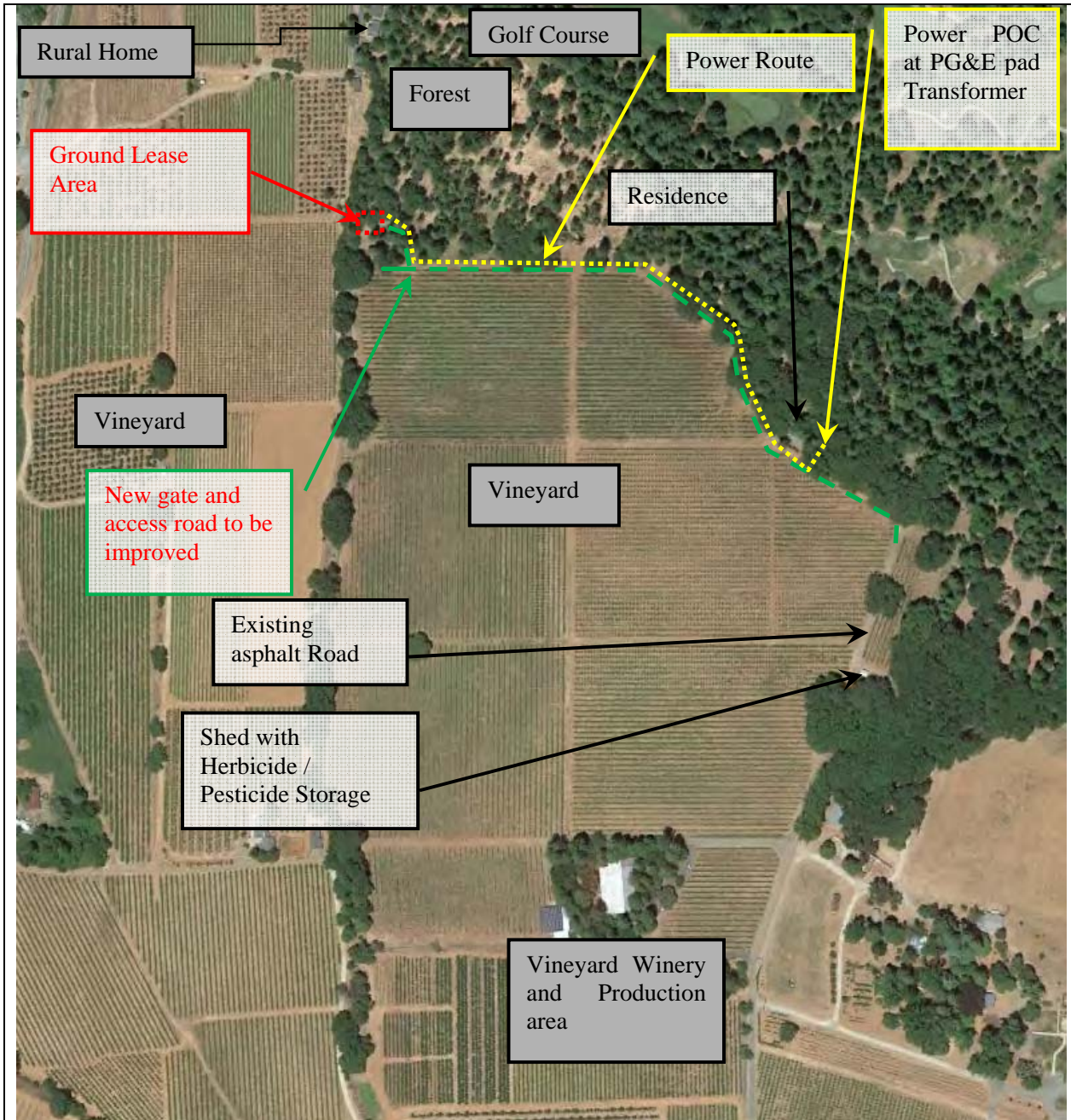


**Figure 1: USGS Topographic Map Camino CA (lower map) and Slate Mountain upper map) 1973**  
**Subject Property: CA4075 (source USGS)**



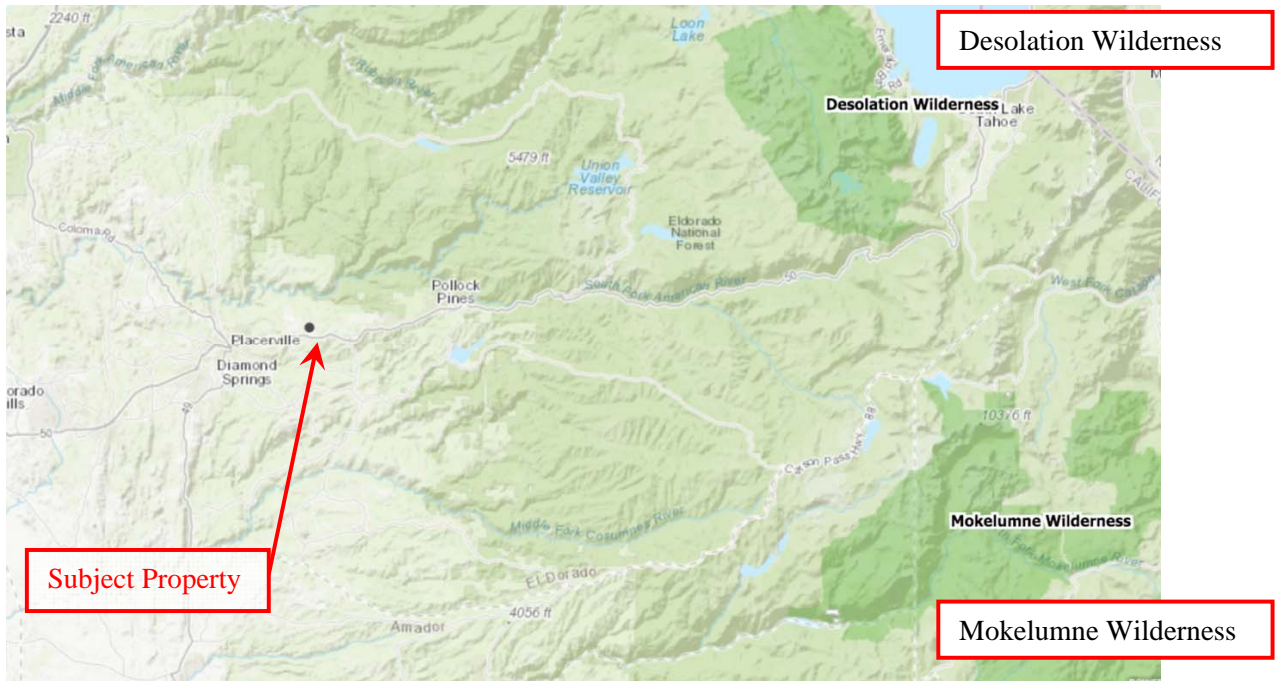
**Figure 2: Street Map Subject Property: CA4075 (Source Google Maps)**



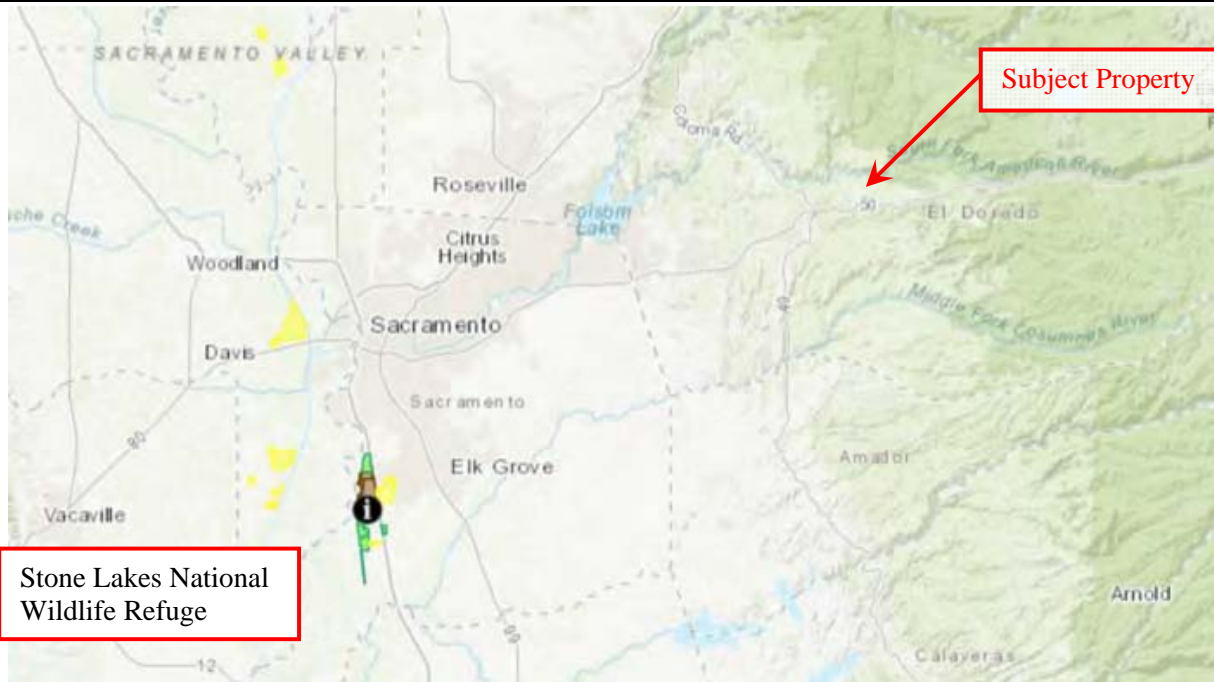


**Figure 4**  
**Site Map**  
**Subject Property: Bavarian Hills**  
(Source Google Earth)





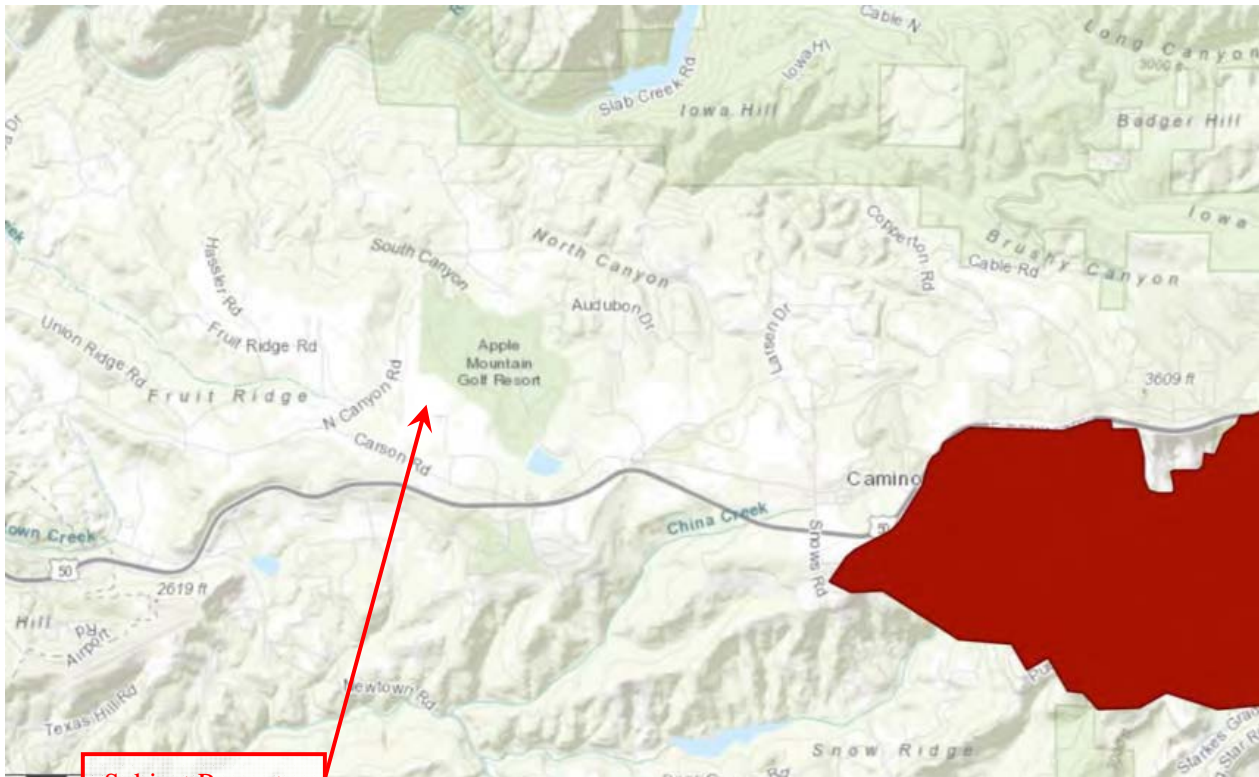
**Map Depicting Designated Wilderness Areas Site: CA4075**  
(Wilderness Areas were not identified within the boundaries of the Subject Property)



**Map Depicting General Vicinities of National Wildlife Refuges Site: CA4075**  
(National Wildlife Refuges were not identified within the boundaries of the Subject Property)



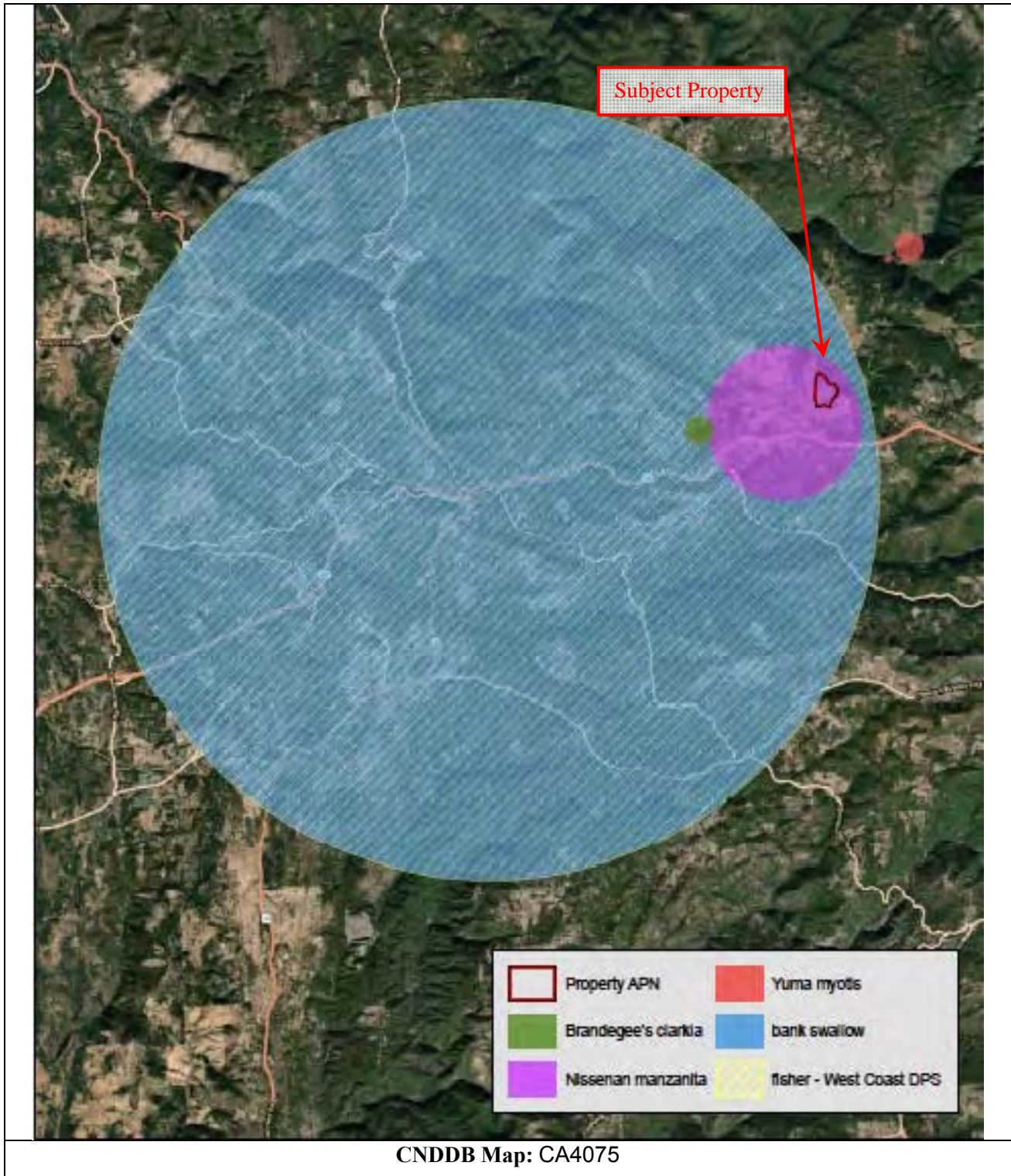
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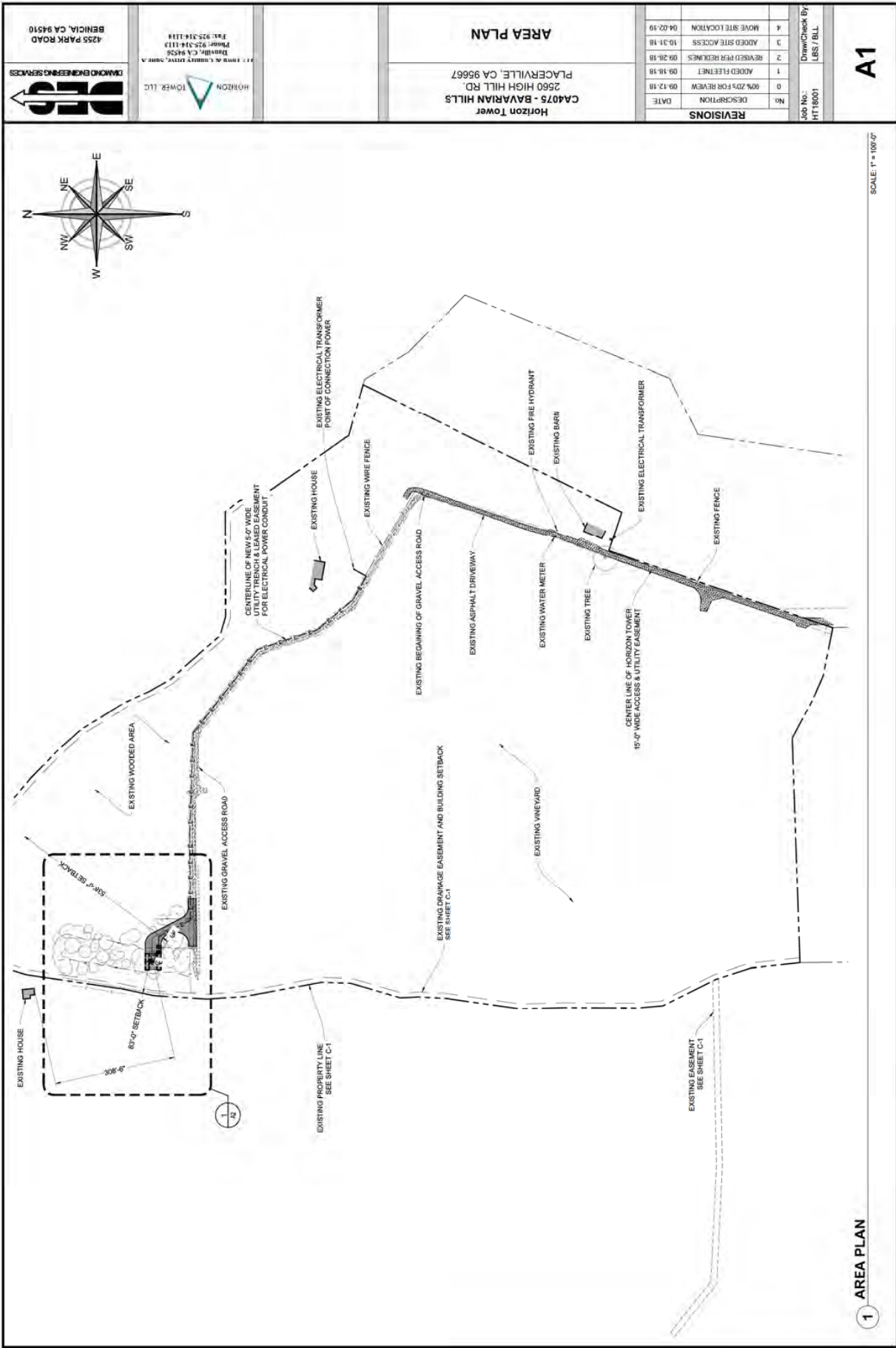
Subject Property

**Critical Habitat Map USFWS Site: CA 4075**

(Critical Habitat not identified within the boundaries of the Subject Property)

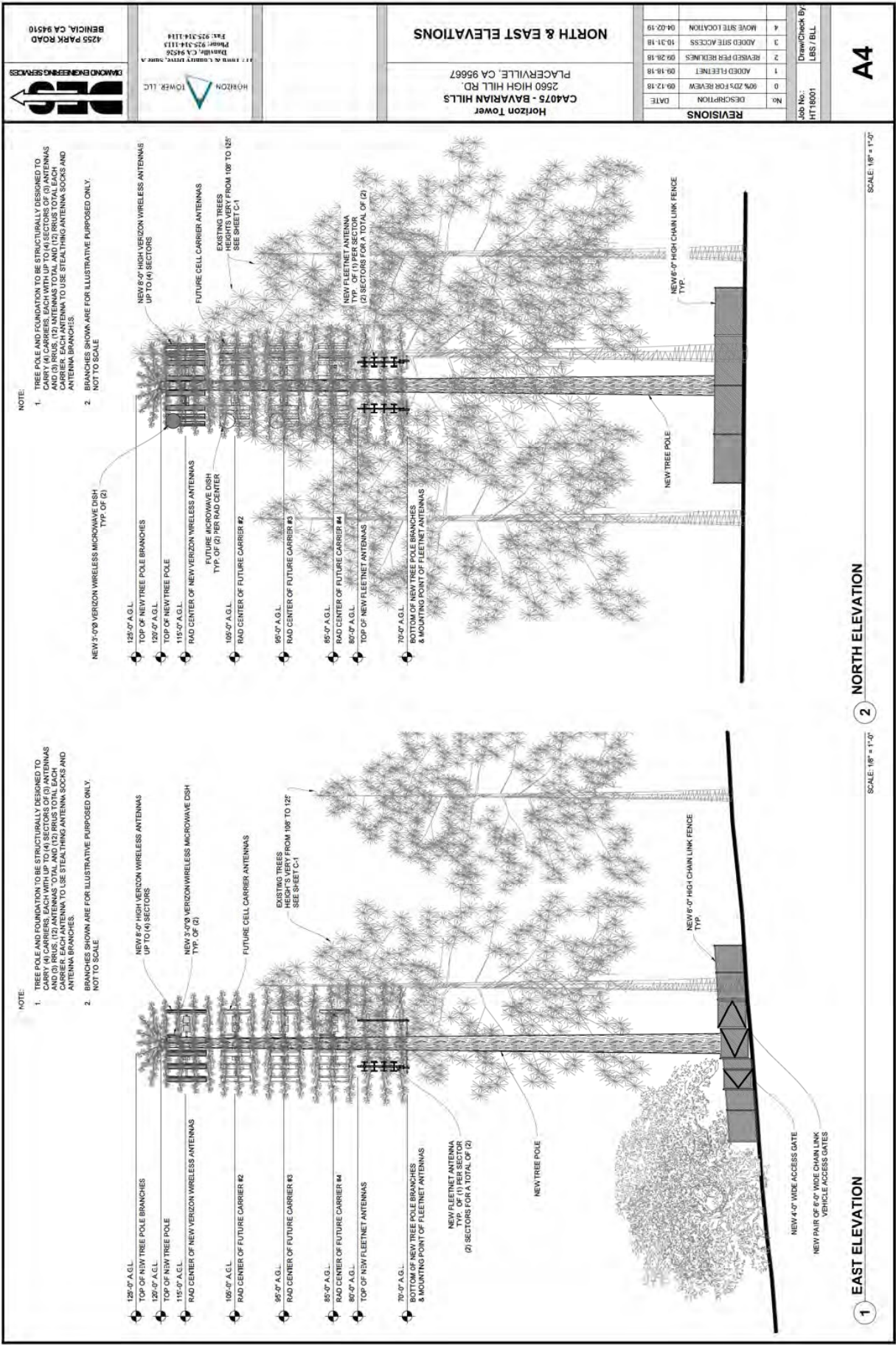


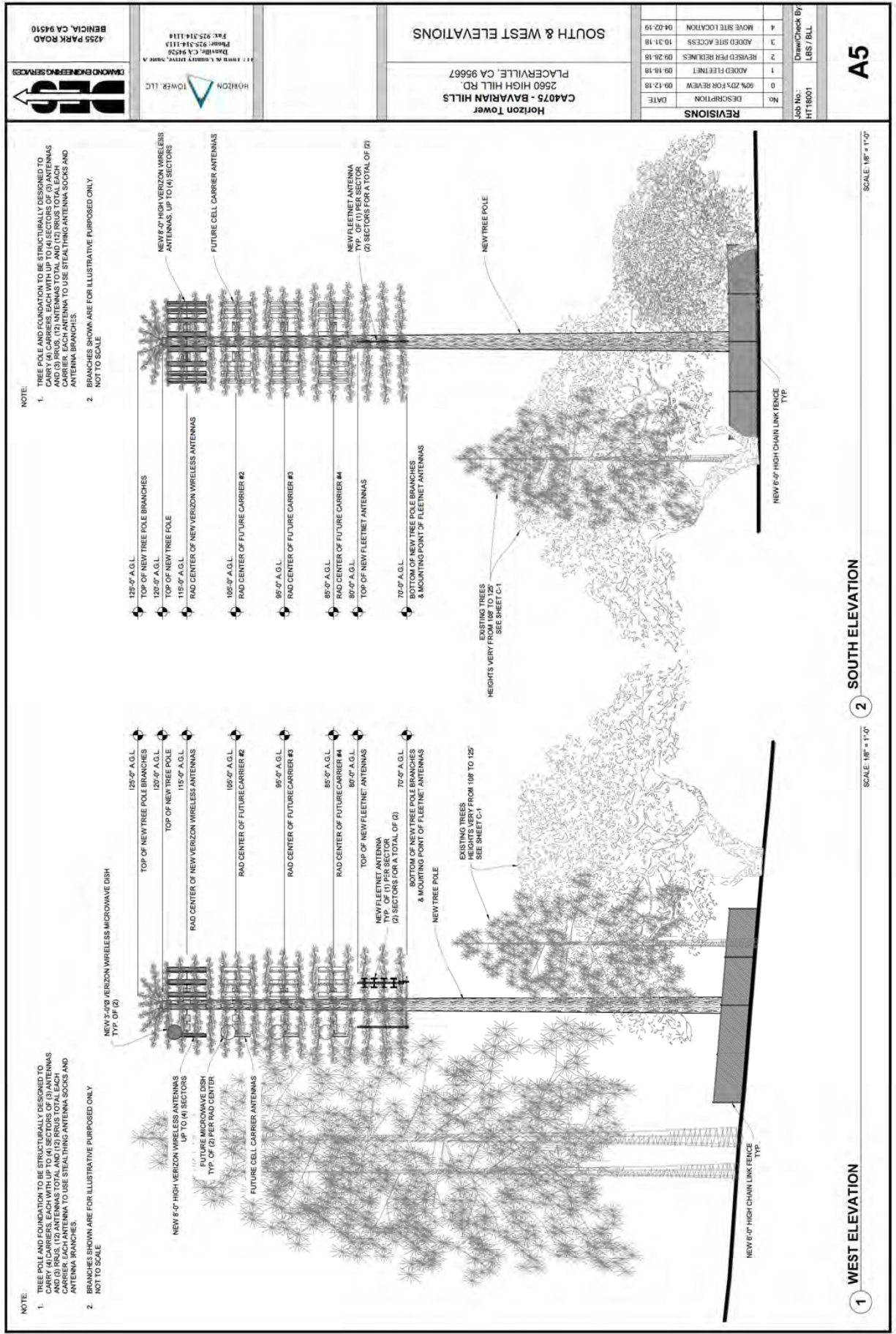












**CA4075 - BAVARIAN HILLS**  
2560 HIGH HILL RD  
PLACERVILLE, CA 95667

**SOUTH & WEST ELEVATIONS**

**REVISIONS**

No.	DESCRIPTION	DATE
0	90% 2D'S FOR REVIEW	09-12-18
1	ADDED FLEETNET	09-18-18
2	REVISED PER COMMENTS	09-28-18
3	ADDED SITE ACCESS	10-11-18
4	MOVE SITE LOCATION	04-02-19

**DMACK ENGINEERING SERVICES**

4255 PARK ROAD  
BENICIA, CA 94510

**HORIZON TOWER, LLC**

1117 JENNIFER & GORDON DRIVE, SUITE A  
BAYVIEW, CA 94526  
Phone: 925.934.1114 Fax: 925.934.1114

**A5**

Job No.: HT18001  
Drawn/Checked By: LBS/BLL



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## Appendix D

# Alphabiota Environmental Reconnaissance Habitat Assessment

## USF&W IPaC Findings

2019

Bavarian Hills Unmanned Telecommunications Facility  
Reconnaissance Habitat Assessment  
CA4075



Alphabiota Environmental

Consulting, LLC

7/20/2019

Bavarian Hills Unmanned Telecommunications Facility

Reconnaissance Habitat Assessment

CA4075

2560 High Hill Road, Placerville

El Dorado County, California 95667

July 20, 2019

Prepared For:

**Geist Engineering and Environmental Group, Inc.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) 510.610.1453 (m) 510.238.8644 (f)

GE2G.com / sgeist@geistenvironmental.com



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## List of Abbreviations

AEC	Alphabiota Environmental Consulting, LLC.
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
cm	centimeters
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CRPR	California Rare Plant Ranks
CWA	Clean Water Act
CWHR	California Wildlife Habitat Relationships
EPA	Environmental Protection Agency
ESA	Endangered Species Act
FE	Federally endangered
FT	Federally threatened
FP	Fully protected
FR	Federal Register
ft.	feet
GIS	Geographic Information System
GPS	Global Positioning System
in	inches
LSA	Lake and Streambed Alteration Agreement
m	meters
MBTA	Migratory Bird Treaty Act
mi	miles
MSL	mean sea level
NMFS	National Marine Fisheries Service
NPPA	Native Plant Protection Act
NWI	National Wetlands Inventory
NWP	Nationwide Permit
OHWM	Ordinary High Water Mark
RWQCB	Regional Water Quality Control Board
SE	State endangered
SSC	Species of Special Concern
SE	State Endangered
ST	State threatened
SWANCC	Solid Waste Agency of Northern Cook County
TNW	Traditional navigable water
USACE	U.S. Army Corps of Engineers
USC	U.S. Code
USFWS	U.S. Fish and Wildlife Service
WDR	Waste Discharge Requirements

## Executive Summary

Horizon Tower LLC (Project Proponent) is proposing to build a new unmanned faux monopine pole multitenant telecommunications facility via leased property from Richard and Leslie H. Bush (property lease owners). The new facility would be located within lands identified as the subject parcel comprised of 52.24± acres and identified by El Dorado county records as APN: 048-090-04-100. The project is located at an address of 2560 High Hill Road, Placerville within the county of El Dorado County, California 95667. Alphabiota Environmental Consulting, LLC was contracted by Geist Engineering and Environmental Group, Inc. to provide a biological reconnaissance level habitat assessment of the site. Site evaluation was performed with regards to current local, state, and federal regulations as may be conveyed by the United States Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW), and or the local lead agency such as the City of Placerville or the County of El Dorado. The survey considered potential impacts to Federally and or State listed special status species, habitat, and or potential regulated waters that may occur within a two-mile radius of the site. USACE and State wetlands and other potentially jurisdictional water features were included in the site reconnaissance survey and database review.

The site survey detected Red-breasted Nuthatches nesting in cavities of onsite pine trees. These birds are protected by regulations identified in the Federal Migratory Bird and Treaty Act (MBTA). The survey also identified general nesting habitat for some of the bird species locally found within the site's region. However, no other nests of other birds were detected at the site during the survey. Preconstruction and or general nesting bird surveys may need to be conducted prior to project ground disturbance activities if ground disturbance is scheduled to occur between March 1 and August 31 of any year following the survey.

No jurisdictional water features were observed on the site. However, a jurisdictional linear water feature identified as a riverine ephemeral drainage is located approximately 450 feet southeast of the site and could potentially be impacted by silt runoff during rain events if facility construction takes place during the raining season or any unexpected summer precipitation event. Measure should be discussed to insure protection of silt runoff in these types of situations.

Alphabiota recommends general preconstruction and nesting bird surveys and best management practiced be implemented to help reduce the risk of take during construction activities of the project. Monitoring should be implemented during construction activities if nesting birds are identified in the preconstruction or nesting bird surveys where construction may disturb locally nesting bird species.

# 1 Introduction

## 1.0 Project Location

The proposed project is located at an address of 2560 High Hill Road, Placerville within the county of El Dorado County, California 95667 (subject property, site). The new facility would be located within lands identified within the subject parcel that is comprised of 52.24± acres and identified by El Dorado county records as APN: 048-090-04-100. The proposed unmanned facility would be located on a lease of approximately 40 feet x 40 feet (1600 sqft.)(lease) within the northwest portion of the subject property (Plate 1 and 2).

## 1.1 Project Description

The proposed project would allow the installation of a an approximately 125-foot-high monopine tree steel pole unmanned telecommunication tower with an artificial broadleaf tree design, a 20 foot wide gravel access road, underground utilities and located on a 40 foot by 40 foot lease area, surrounded by a 6 foot tall chain link fence. The utility easement includes underground power and telecommunication cables.

## 1.2 Site Characteristic

Most of the lands of the subject property consist of planned agricultural use where grape vines have been planted on most of the south and west portions of the 54.24 acres. The eastern and northern bounds of the subject property consist of a mix of managed oak and pine woodland. The northwest portion of the property where the proposed lease is to occur consists of this type of habitat. An 8-foot-high wire mesh fence restricts access to the vineyard portion of the property by wildlife and generally demarcate the boundary between the forested areas or the subject property. The subject property is surrounded by other planned agriculture uses to the west, northwest, and south. An 18-hole golf course is adjacent to the norther boundary of the subject property and is visually obscured by mixed oak and confer woodlands of the subject property.

Elevations of the general site vicinity range from 2700 feet to 2900 feet. Typical ranges for this region of the Sierra Nevada Mountains. The site topography generally slopes from north to the south and southwest on low gradient surfaces. The proposed lease area is in an area of high relief and tends to be one of the more elevated portions of the general vicinity.

# 2 Regulatory Setting

On-site natural resources or those with a high occurrence probability in the project area may require mitigation for impacts that would, or could, result from project development. Mitigation requirements are based on a number of federal, state, and local laws, regulations, and policies relating to listed and endangered plants and wildlife, migratory and nesting birds, environmental

quality, and lake or streambed alteration. The following discussion reviews these policies and how they pertain to any tasks implemented under the project.

## 2.1 Federal Regulations

### 2.1.1 Federal Endangered Species Act

The U.S. Congress passed the Endangered Species Act (ESA) in 1973 to protect endangered species and species threatened with extinction (federally listed species). The ESA operates in conjunction with the National Environmental Policy Act to help protect the ecosystems upon which endangered and threatened species depend.

Section 9 of the ESA prohibits the “take” of endangered or threatened wildlife species. The legal definition of “take” for the ESA is to “harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct” (16 United States Code [USC] 1532 [19]). Harm is further defined to include significant habitat modification or degradation that results in death or injury to listed species by significantly impairing behavioral patterns (50 Code of Federal Regulations [CFR] 17.3). Harassment is defined as actions that create the likelihood of injury to listed species to such an extent as to significantly disrupt normal behavior patterns (50 CFR 17.3). Actions that result in take can result in civil or criminal penalties.

The ESA authorizes the U.S. Fish and Wildlife Service (USFWS) to issue permits under Sections 7 and 10 of that act. Section 7 mandates that all federal agencies consult with the USFWS for terrestrial species and/or National Marine Fisheries Service (NMFS) for marine species to ensure that federal agency actions do not jeopardize the continued existence of a listed species or adversely modify critical habitat for listed species. Any anticipated adverse effects require preparation of a biological assessment to determine potential effects of the project on listed species and critical habitat. If the project adversely affects a listed species or its habitat, the USFWS or NMFS prepares a Biological Opinion (BO). The BO may recommend “reasonable and prudent alternatives” to the project to avoid jeopardizing or adversely modifying habitat including “take” limits.

Sections 7 and 10 of the ESA include provisions to authorize take that is incidental to, but not the purpose of activities that are otherwise lawful. Federal agencies may seek permitting under Section 7 of the ESA. Under Section 10(a)(1)(B), USFWS may issue permits (incidental take permits) for take of ESA-listed species to non-federal agencies if the take is incidental and does not jeopardize the survival and recovery of the species. To obtain an incidental take permit, an applicant must submit a habitat conservation plan outlining steps to minimize and mitigate permitted take impacts to listed species.

The ESA defines critical habitat as habitat deemed essential to the survival of a federally listed species. The ESA requires the federal government to designate “critical habitat” for any species it lists under the ESA. Under Section 7, all federal agencies must ensure that any actions they authorize, fund, or carry out are not likely to jeopardize the continued existence of a listed species,

or destroy or adversely modify its designated critical habitat. These complementary requirements apply only to federal agency actions, and the latter only to specifically designated habitat. A critical habitat designation does not set up a preserve or refuge, and applies only when federal funding, permits, or projects are involved. Critical habitat requirements do not apply to activities on private land that does not involve a federal agency.

### 2.1.2 Clean Water Act

The federal CWA provides guidance for the restoration and maintenance of the chemical, physical, and biological integrity of the nation's waters. The USACE and the US Environmental Protection Agency (EPA) regulate discharge of dredged or fill material into traditional navigable waters (TNW) of the United States under Section 404 of the CWA. The general definition of navigable waters of the U.S. includes those waters of the U.S. that are subject to the ebb and flow of the tide shoreward to the mean high-water mark and/or are presently used or have been used in the past, or may be susceptible to use, to transport interstate or foreign commerce. "Discharges of fill material" are defined as the addition of fill material into waters of the U.S., including, but not limited to the following: placement of fill that is necessary for the construction of any structure or impoundment requiring rock, sand, dirt, or other material for its construction; site-development fills for recreational, industrial, commercial, residential, and other uses; causeways or road fills; and fill for intake and outfall pipes and subaqueous utility lines (33 CFR 328.2(f)). Additionally, Section 401 of the CWA (33 USC 1341) requires any applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into waters of the U.S. to obtain a certification that the discharge will comply with applicable effluent limitations and water quality standards. Jurisdictional waters of the U.S. include jurisdictional wetlands as well as all other waters of the U.S. such as creeks, ponds, and intermittent drainages. Wetlands are defined as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (USACE 1987). The majority of jurisdictional wetlands in the United States meet three wetland assessment criteria: hydrophytic vegetation, hydric soils, and wetland hydrology. Jurisdictional waters of the U.S. can also be defined by exhibiting a defined bed and bank and ordinary high water mark (OHWM). As discussed in Regulatory Framework, jurisdictional waters of the U.S. are subject to Section 404 of CWA and are regulated by the USACE. Methods for delineating wetlands and non-tidal waters are described below.

*Wetlands are defined as "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" [33 C.F.R. §328.3(b), 1991].*

Presently, to be a wetland, a site must exhibit three wetland criteria: hydrophytic vegetation, hydric soils, and wetland hydrology existing under the "normal circumstances" for the site.

*The lateral extent of non-tidal waters is determined by delineating the ordinary high water mark (OHWM) [33 C.F.R. §328.4(c)(1)]. The OHWM is defined by the USACE as “that line on shore established by the fluctuations of water and indicated by physical character of the soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas” [33 C.F.R. §328.3(e)].*

The USACE authorizes certain fill activities under the Section 404 Nationwide Permit (NWP) Program. NWPs do not authorize activities that are likely to jeopardize the existence of a threatened or endangered species or that may affect properties listed or eligible for listing in the National Register of Historic Places (56 Federal Register [FR] 59134, November 22, 1991). In addition to conditions outlined under each NWP, project-specific conditions may be required by the USACE as part of the Section 404 permitting process.

Waters of the U.S. do not include prior converted cropland. Notwithstanding the determination of an area’s status as prior converted cropland by any other federal agency, for the purposes of the CWA, the final authority regarding CWA jurisdiction remains with the EPA (33 CFR § 328.3 (a)(8) added by 58 FR 45,035, August 25, 1993).

On January 9, 2001, the U.S. Supreme Court issued a decision in *Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers*, 531 U.S. 159 (2001) (SWANCC) that held that the language of the CWA cannot be interpreted as conferring authority for the federal government to regulate “isolated, intrastate, and non-navigable waters” merely because migratory birds may frequent them. The Court emphasized the states’ responsibility for regulating such waters.

In response to the Court’s decisions in *Rapanos v. United States* and *Carabell v. United States*, the USACE and the EPA issued joint guidance regarding USACE jurisdiction over waters of the U.S. under the CWA in 2008. Updated guidance in light of these cases and SWANCC was issued in 2011. The guidance summarizes the Supreme Court’s findings and provides how and when the USACE should apply the “significant nexus” test in its jurisdictional determinations. This test determines whether a waterway is substantially connected to a TNW tributary and thus falls within USACE jurisdiction. The guidance provides the factors and summarizes the significant nexus test as an assessment of “the flow characteristics and functions of the tributary itself and the functions performed by all wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of downstream traditional navigable waters.” Flow characteristics include the volume, duration, and frequency of the flow. Additionally, ecological factors should be included, such as the shared hydrological and biological characteristics between a tributary and an adjacent wetland.

### **2.1.3 Migratory Bird Treaty Act**

The federal Migratory Bird Treaty Act (MBTA), first enacted in 1918, prohibits any person, unless permitted by regulations, to

*...pursue, hunt, take, capture, kill, attempt to take, capture or kill, possess, offer for sale, sell, offer to purchase, purchase, deliver for shipment, ship, cause to be shipped, deliver for transportation, transport, cause to be transported, carry, or cause to be carried by any means whatsoever, receive for shipment, transportation or carriage, or export, at any time, or in any manner, any migratory bird, included in the terms of this Convention ... for the protection of migratory birds ... or any part, nest, or egg of any such bird. (16 USC 703)*

The list of migratory birds includes nearly all bird species native to the United States, and the statute was extended in 1974 to include parts of birds, as well as eggs and nests. The Migratory Bird Treaty Reform Act of 2004 further defined species protected under the act and excluded all non-native species. Thus, it is illegal under MBTA to directly kill, or destroy a nest of, nearly any native bird species, not just endangered species. Activities that result in removal or destruction of an active nest (a nest with eggs or young) would violate the MBTA. Removal of unoccupied nests and bird mortality resulting indirectly from disturbance activities are not considered violations of the MBTA.

#### **2.1.4 Bald and Golden Eagle Protection Act**

The Bald and Golden Eagle Protection Act (16 USC 668–668c), enacted in 1940, and amended several times since, prohibits “taking” bald eagles (*Haliaeetus leucocephalus*) and golden eagles (*Aquila chrysaetos*), including their parts, nests, or eggs without a permit issued by the Secretary of the Interior.

The act provides criminal penalties for persons who “take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or any manner, any bald eagle ... [or any golden eagle], alive or dead, or any part, nest, or egg thereof.” The act defines “take” as “pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb.”

In 2009, new USFWS rules were implemented requiring all activities that may disturb or incidentally take an eagle or its nest as a result of an otherwise legal activity to obtain permits from the USFWS.

Under USFWS rules (16 U.C.C. § 22.3; 72 Federal Register 31,132, June 5, 2007), “disturb” means “to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior.” In addition to immediate impacts, this definition also covers impacts that result from human-induced alterations initiated around a previously used nest site during a time when eagles are not present, if, upon the eagle’s return, such alterations agitate or bother an eagle to a degree that interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death, or nest abandonment.

## 2.2 State Regulations

### 2.2.1 California Endangered Species Act

The California Department of Fish and Wildlife (CDFW) administers the California Endangered Species Act (CESA), which prohibits the “taking” of listed species except as otherwise provided in state law.

Section 86 of Fish and Game Code defines “take” as “hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill.” Under certain circumstances, the CESA applies these take prohibitions to species petitioned for listing (state candidates). Pursuant to the requirements of the CESA, state lead agencies (as defined under CEQA Public Resources Code Section 21067) are required to consult with the CDFW to ensure that any action or project is not likely to jeopardize the continued existence of any endangered or threatened species or result in destruction or adverse modification of essential habitat. Additionally, the CDFW encourages informal consultation on any proposed project that may impact a candidate species. The CESA requires the CDFW to maintain a list of threatened and endangered species. The CDFW also maintains a list of candidates for listing under the CESA and of species of special concern (or watch list species).

### 2.2.2 Fully Protected Species

The California Fish and Game Code provides protection from take for a variety of species, referred to as fully protected species. Section 5050 lists protected amphibians and reptiles, and Section 3515 prohibits take of fully protected fish species. Eggs and nests of fully protected birds are under Section 3511. Migratory nongame birds are protected under Section 3800, and mammals are protected under Section 4700. Except for take related to scientific research, all take of fully protected species is prohibited.

### 2.2.3 Nesting Birds and Raptors

Section 3503 of the Fish and Game Code states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Section 3503.5 provides protection for all birds of prey, including their eggs and nests.

*Section 86 of the Fish and Game Code defines “take” as:*

*“hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill.”*

**Section 3503.0**

*It is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto.*

(Amended by Stats. 1971, Ch. 1470.)

### **Section 3503.5**

*It is unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds-of-prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by this code or any regulation adopted pursuant thereto.*

(Added by Stats. 1985, Ch. 1334, Sec. 6.)

## **2.2.4 Migratory Bird Protection**

Take or possession any migratory non-game bird as designated in the MBTA is prohibited by Section 3513 of the Fish and Game Code.

## **2.2.5 Native Plant Protection Act**

The Native Plant Protection Act (NPPA) of 1977 (Fish and Game Code Section 1900-1913) directed the then-California Department of Fish and Game (now CDFW) to carry out the Legislature's intent to "preserve, protect and enhance rare and endangered plants in this State." The NPPA gave the California Fish and Game Commission the power to designate native plants as "endangered" or "rare" and protected endangered and rare plants from take. The NPPA thus includes measures to preserve, protect, and enhance rare and endangered native plants.

CESA has largely superseded NPPA for all plants designated as endangered by the NPPA. The NPPA nevertheless provides limitations on take of rare and endangered species as follows: "...no person will import into this state, or take, possess, or sell within this State" any rare or endangered native plant, except in compliance with provisions of the CESA. Individual landowners are required to notify the CDFW at least 10 days in advance of changing land uses to allow the CDFW to salvage any rare or endangered native plant material.

## **2.2.6 Lakes and Streambeds**

Sections 1601 through 1616 of the Fish and Game Code prohibit alteration of any lake or streambed under CDFW jurisdiction, including intermittent and seasonal channels and many artificial channels, without execution of a Lake and Streambed Alteration Agreement (LSA) through the CDFW. This applies to any channel modifications that would be required to meet drainage, transportation, or flood control objectives of the project.

## **2.2.7 California Porter-Cologne Water Quality Act**

The Regional Water Quality Control Board (RWQCB) regulates discharge of waste in any region that could affect the Waters of the State under the California Porter-Cologne Water Quality. Under the Porter-Cologne Act, a Report of Waste Discharge must be submitted prior to discharging waste, or proposing to discharge waste, within any region that could affect the quality of the Waters of the State (California Water Code Section 13260). Waste Discharge Requirements (WDRs) or a waiver of WDRs will then be issued by the RWQCB. Waters of the

State are defined as any surface water or groundwater, including saline waters that are within the boundaries of the state (California Codes: Public Resource Code Section 71200). This differs from the CWA definition of waters of the U.S. by its inclusion of groundwater and waters outside the ordinary high water mark in its jurisdiction.

## **2.2.8 California Environmental Quality Act**

The California Environmental Quality Act (CEQA) was adopted in 1970 and applies to actions directly undertaken, financed or permitted by State or local government lead agencies. CEQA requires that a project's effects on environmental resources be analyzed and assessed using criteria determined by the lead agency. CEQA defines a rare species in a broader sense than the definitions of threatened, endangered, or California species of concern. Under this definition, CDFW can request additional consideration of species not otherwise protected.

### **2.2.8.1 CEQA Significance Criteria**

Section 15064.7 of the CEQA guidelines encourages local agencies to develop and publish the thresholds that the agency will use in determining the significance of environmental effects caused by projects or actions under its review. Appendix G of the CEQA guidelines provides thresholds to evaluate impacts that would normally be considered significant. Based upon these guidelines, impacts to biological resources would normally be considered significant if the project:

- Has a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS;
- Has a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations, or by the CDFW or USFWS;
- Has a substantial adverse effect on federally protected wetlands as defined by Section 404 of the CWA (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means;
- Interferes substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impedes the use of native wildlife nursery sites; or
- Conflicts with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance, or conflicts with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan.

An evaluation of whether an impact to biological resources would be significant must consider both the resource itself and how that resource fits into a regional or local context. Significant impacts would be those that would diminish, or result in the loss of, an important biological resource, or those that would obviously conflict with local, state, or federal resource conservation plans, goals, or regulations. The evaluation of impacts considers direct impacts, indirect impacts, cumulative impacts, as well as temporary and permanent impacts.

### 3 Methodology

This section describes the methods used to describe and evaluate the biological resources at the project. AEC used a combination of desktop and field studies to determine what biological or wetland resources could potentially be present on-site and within the immediate vicinity. The desktop review of literature and database resources was used to identify biological resources and habitats that may occur at the project, based on records at or near the project, AEC biologists' professional experience and judgment, and input from state and federal agencies was also taken into consideration. An AEC biologist conducted an onsite survey on April 1, 2019 to characterize existing conditions at the property, consisting of a reconnaissance survey to investigate for indications that special status species may be utilizing or occurring at the project site or within the immediate vicinity. The survey methods were guided by the species and or habitat identified for the project from sources accessed through the California Department of Fish and Wildlife (CDFW) and the U.S. Fish and Wildlife Service (USFWS, Appendix 4) on-line scientific databases.

#### 3.1 Database Research and Literature Review

Species occurrences from the CDFW California Natural Diversity Database (CNDDDB) (CDFW 2019) and the California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Plants (CNPS 2019) were queried for records near the project. The U.S. Geological Survey (USGS) 7.5-minute quadrangle containing the project and identified as "Camino" served as the center of a quad query within the CNDDDB and CNPS databases to determine which special-status plant and wildlife species required analysis within the survey area (Figure 4). Upon query completion, AEC biologists utilized the data to assess the likelihood of species occurrences within the project area during the site survey.

Information regarding the biological resources in the vicinity of the project study area was obtained by reviewing available data from a number of resources. The data review included a search of existing databases, inventories, lists, and collections that contain information regarding the occurrence of special- status species. Resources used in this review included the following:

- California Natural Diversity Database (CNDDDB) for records of sensitive plants, animals, and vegetation communities.
- California Native Plant Society (CNPS) online inventory of rare and endangered plants of California.

- Consortium of California Herbaria (available on-line at <http://ucjeps.berkeley.edu/consortium/>).
- CDFW, Natural Diversity Database (CNDDDB).
- Special Animals List. CDFW, Natural Diversity Database.
- California Bird Species of Special Concern: A ranked assessment of species, subspecies, and distinct populations of birds of immediate conservation concern in California (Shuford and Gardali 2008).
- USFWS online Critical Habitat Portal.
- California Wildlife Habitat Relationships (CWHR) life history and range maps.
- eBird, a real-time online birdwatching checklist for reporting and accessing information about birds.
- Aerial photographs on Google Earth, Google Earth, Inc., 2019
- USFWS National Wetlands Inventory (NWI) database (available online at: <http://www.fws.gov/wetlands>).
- USGS 7.5-minute topographic quadrangle map for Camino
- California Soils Resource Lab's Soil Google Earth interface queried to determine the soils that have been mapped on the project site (California Soil Resources Lab 2019).
- The Corps of Engineers Wetlands Delineation Manual (USACE 1987);
- Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (USACE 2008);
- A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States (Lichvar and McColley 2008);
- Hydric Soils of California, 2019 (Natural Resources Conservation Service 2019)

### 3.1.1 Previous Local Biological Surveys

None of the on-line database resources queried indicated that any other biological surveys had been conducted for the site or the immediate vicinity. Client queries also indicated that they had no knowledge of any previous biological surveys of the site or immediate vicinity.

### 3.1.2 Definition of Sensitive Biological Resources

For the purposes of this study, sensitive plants and animals were defined to include species, subspecies, varieties, and populations recognized by CDFW or USFWS, and which have been classified into one or more of the following categories:

- Species, subspecies, and populations listed or proposed for listing as threatened or endangered pursuant to the federal Endangered Species Act (ESA), and species that are candidates for such listing.
- Species and subspecies listed or proposed for listing by the State of California as threatened or endangered pursuant to the California Endangered Species Act (CESA).
- Plants included in the California Vascular Plants, Bryophytes, and Lichens List.

- Plants assigned California Rare Plant Ranks (CRPR) by the California Native Plant Society (CNPS).
- Animals listed as species of special concern, fully protected, or watchlist on the California Special Animals List, and for invertebrates, all species on the California Special Animals List regardless of the reason for inclusion.
- Plants and animals identified by CDFW and/or USFWS in letters, emails, or in-person communications regarding the project.

In addition, natural communities recognized by CDFW as being of special concern were considered sensitive, along with riparian habitats and water bodies under the jurisdiction of CDFW, USACE, and/or RWQCB.

Throughout this document, species, subspecies, varieties, and populations are broadly referred to as “species,” a term which is used here to encompass whichever pertinent taxonomic level is recognized by the state and federal authorities with jurisdiction over plants and animals.

The information obtained from the literature and database searches were reviewed to identify a list of sensitive biological resources with the potential to occur at the project property, due to its location within the species’ known range, previously recorded occurrences within the project property, and/or the presence of suitable habitat.

## 4 Agency Consultation or Coordination

No formal consultation with any of the regulatory agencies was conducted.

## 5 Site Survey

### 5.0.1 Habitat

For this report, habitat is defined by the physical area characterized by an assemblage of botanical species, substrate features, or aquatic environment. Habitat types comprised of botanical assemblages illustrate a community typically associated or classified by the dominant vegetation type present in the locale where the survey is being conducted. Habitat may be utilized by organisms that may occupy the area and may provide some subset of essential or preferred ecological and biological needs for those species that may be found in a described habitat. Habitat types are utilized to classify elements of nature associated with the physical, biological, and ecological conditions in an area. These habitat characteristics may be utilized as indicators of the potential for special-status species and or plant communities to occur, to be associated with, or may be affected by a project. The following paragraph(s) describe the major vegetation alliances identified for this project. Habitats were identified and characterized based on current accepted habitat descriptions. Habitat descriptions follow and or integrate types that have been described by Holland (Holland R. F., 1986), Sawyer Keeler-Wolfe (Keeler-Wolfe & Sawyer, 2007, 2008),

Holland (Holland & Keil, 1989), and or by derived descriptions that best characterize the general habitat as it was observed during the survey.

The habitat identified for this project is identified as mixed confer-oak woodland. This Type of habitat is common in the foothills of California's Sierra Nevada and Coastal ranges. The dominant overstory species observed at the site consist of pine, oak, and Madrone trees of the species Ponderosa Pine (*Pinus ponderosa*), Black Oak (*Quercus douglasii*), and Pacific Madrone (*Arbutus menziesii*). The understory of the lease vicinity consisted of a thick layer of "chipped" wood and branches that appeared to be placed as a "weed" barrier within this area of the site. Cut logs and the wood chip mulch indicated that this portion of the site had recently been "logged" and or thinned. The chipped wood was still the color of fresh cut wood and showed very little evidence of having been in exposed to the elements for any long duration. Additionally, the wood chipped mulch layer was effectively reducing any understory vegetation from growing as observed at the time of the survey.



FIGURE 1 : VIEW OF GENERAL AREA NEAR LEASE SITE



FIGURE 2 : VIEW SHOWING RECENT LOGGING ACTIVITIES

However, some grasses and forbs were observed emerging from the chip layer and consisted of Dog-tail grass (*Cynosurus sp.*), annual Bluegrass (*Poa annua*), Honeysuckle (*Lonicera sp.*), Blackberry (*Rubus ursinus*), Cranesbill (*Erodium sp.*), English Plantain (*Plantago lanceolata*) and Soap plant (*Chlorogalum pomeridianum*). Due to the disturbance of the general lease area, these identified species comprise the list of plants readily identifiable as observed at the time of the survey.

### 5.0.2 General Plant and Wildlife Survey

On Monday April 1, 2019 Mr. Bissonnette arrived at the site at approximately 0915 hours. Weather conditions at the time of arrival were recorded with a Kestrel 2000 weather meter. Temperature at the time of arrival was recorded at 63.3° Fahrenheit with a slight breeze from the west ranging from 0 to 1.5 mph. Skies were mostly clear except for a few chemtrails that were inhibiting approximately 10% of the sky at the time. The survey of the site was conducted by walking meandering pedestrian transects throughout the lease property and the parent property

containing the proposed lease. The site was visually observed with the naked eye and with the use of binoculars when needed. Most of the site ground surface and vegetation was readily observable at the time of the survey. Mr. Bissonnette began the survey of the site and local surrounding landscape at approximately 0930 hours (Plate 1 and 2).

The following species of wildlife were observed at the site during the survey: bird species included Acorn Woodpeckers (*Melanerpes formicivorus*), House Finches (*Carpodacus mexicanus*), Stellar Jays (*Cyanocitta cristata*), Wild Turkey (*Meleagris gallopavo*), Red-breasted Nuthatch (*Sitta canadensis*), Junco's (*Junco hyemalis*), and Robin's (*Turdus migratorius*). Other species utilizing the site and identified by the presence of scat, tracks, burrow, or other indications include pocket gophers (*Thomomys bottae*), Grey Squirrels (*Sciurus griseus*), Deer (*Odocoileus sp.*). No significant invertebrates were noted or observed at the time.

As mentioned previously Mr. Bissonnette observed Red-breasted Nuthatches during the survey. Multiple pairs of Nuthatches were observed nesting in cavities of pine trees within close proximity to the lease area of the subject property (figure 3).



FIGURE 3 : RED-BREASTED NUTHATCH CAVITY NESTS

### 5.0.3 Jurisdictional Waters

The proposed tower and equipment location site contained no jurisdictional water features as described by State or Federal regulatory authorities. The field survey verified that no jurisdictional water features were located within the proposed project site. The project site slopes to the north and northeast where sheet flow of precipitation events likely flows to an ephemeral drainage feature that is approximately 400 to 450 feet southeast of the site on an adjacent property (Plate 5). The GIS research identified this feature as a jurisdictional riverine water feature that would likely be regulated by CDFW, the Regional Water Quality Control Board (RWQCB), and or the Army Corps of Engineers.

## 6 Results

### 6.0 Research and Desktop Review

#### 6.0.1 Botanical Review

An online CNPS review of the project identified two botanical species of concern that are listed as having potential to occur within the project region (Table 1) identifies these species.

One of the species bloom periods were within the time frame of the survey date. Nissenana Manzanita (*Arctostaphylos nissenana*) blooms from February through March. Typically found on open, rocky shale ridges, in chaparral, or woodlands. While the survey occurred a week outside the expected bloom period for this plant the weather conditions for this year likely delayed most of the expected bloom periods for early spring plants. It is therefore supposed that the timing of the survey was likely to have allowed for the detection of the plant in flower. Additionally, since the plant is a perennial it is was also noted that no *Arctostaphylos* species were observed at the site. This species was not detected during the site survey.

Brandagee's Clarkia (*Clarkia biloba ssp. brandegeae*) blooms June to July and occurs often in road cuts, chaparral, cismontane woodland, and lower montane coniferous forests. While the survey occurred outside the bloom time for this plant it is unexpected to occur at the site due to the maintenance / logging activities of the site. This species was not observed during the survey and is not expected to occur at the site.

The CNDDDB GIS review indicated one additional plant species of special concern not listed in the CNPS review. Boggs Lake hedge-hyssop (*Gratiola hetersepala*) is documented to occur within five miles northwest of the site (Plate 4). The species occurs in vernal pools, and on the edges of lakes or inundated wetland areas. There is no habitat at the site to support this species. The species was not observed at the site during the survey.

### 6.0.1.1 CNPS Ranking System

#### 1A: Plants presumed extirpated in California and either rare or extinct elsewhere

Plants with a California Rare Plant Rank of 1A are presumed extirpated or extinct because they have not been seen or collected in the wild in California for many years. A plant is extinct if it no longer occurs anywhere. A plant that is extirpated from California has been eliminated from California but may still occur elsewhere in its range.

All of the plants constituting California Rare Plant Rank 1A meet the definitions of the California Endangered Species Act of the California Fish and Game Code and are eligible for state listing. Should these taxa be rediscovered, and impacts proposed to individuals or their habitat, they must be analyzed during preparation of environmental documents relating to the California Environmental Quality Act (CEQA), or those considered to be functionally equivalent to CEQA, as they meet the definition of Rare or Endangered under CEQA Guidelines §15125 (c) and/or §15380.

#### 1B: Plants rare, threatened, or endangered in California and elsewhere

Plants with a California Rare Plant Rank of 1B are rare throughout their range with the majority of them endemic to California. Most of the plants that are ranked 1B have declined significantly over the last century. California Rare Plant Rank 1B plants constitute the majority of taxa in the CNPS Inventory, with more than 1,000 plants assigned to this category of rarity.

All of the plants constituting California Rare Plant Rank 1B meet the definitions of the California Endangered Species Act of the California Fish and Game Code and are eligible for state listing. Impacts to these species or their habitat must be analyzed during preparation of environmental documents relating to CEQA, or those considered to be functionally equivalent to CEQA, as they meet the definition of Rare or Endangered under CEQA Guidelines §15125; (c) and/or §15380.

#### 2A: Plants presumed extirpated in California but common elsewhere

Plants with a California Rare Plant Rank of 2A are presumed extirpated because they have not been observed or documented in California for many years. This list only includes plants that are presumed extirpated in California, but more common elsewhere in their range.

All of the plants constituting California Rare Plant Rank 2A meet the definitions of the California Endangered Species Act of the California Fish and Game Code and are eligible for state listing. Should these species be rediscovered, any impacts proposed to individuals or their habitat must be analyzed during preparation of environmental documents relating to CEQA, or those considered to be functionally equivalent to CEQA, as they meet the definition of Rare or Endangered under CEQA Guidelines §15125 (c) and/or §15380.

#### 2B: Plants rare, threatened, or endangered in California but more common elsewhere

Except for being common beyond the boundaries of California, plants with a California Rare Plant Rank of 2B would have been ranked 1B. From the federal perspective, plants common in other states or countries are not eligible for consideration under the provisions of the Federal Endangered Species Act. With California Rare Plant Rank 2B, we recognize the importance of protecting the geographic range of widespread species. In this way we protect the diversity of our own state's flora and help maintain evolutionary processes and genetic diversity within species.

All of the plants constituting California Rare Plant Rank 2B meet the definitions of the California Endangered Species Act of the California Fish and Game Code and are eligible for state listing. Impacts to these species or their habitat must be analyzed during preparation of environmental documents relating to CEQA, or those considered to be functionally equivalent to CEQA, as they meet the definition of Rare or Endangered under CEQA Guidelines §15125 (c) and/or §15380.

### 3 Review List: Plants about which more information is needed

Plants with a California Rare Plant Rank of 3 are united by one common theme – we lack the necessary information to assign them to one of the other ranks or to reject them. Nearly all of the plants constituting California Rare Plant Rank 3 are taxonomically problematic. For each California Rare Plant Rank 3 plant we have provided the known information and indicated in the “Notes” section of the CNPS *Inventory* record where assistance is needed. Data regarding distribution, endangerment, ecology, and taxonomic validity are welcomed and can be submitted by emailing the Rare Plant Program at [rareplants@cnps.org](mailto:rareplants@cnps.org).

Many of the plants constituting California Rare Plant Rank 3 meet the definitions of the California Endangered Species Act of the California Fish and Game Code and are eligible for state listing. Impacts to these species or their habitat should be analyzed during preparation of environmental documents relating to CEQA, or those considered to be functionally equivalent to CEQA, as they may meet the definition of Rare or Endangered under CEQA Guidelines §15125 (c) and/or §15380.

### 4 Watch List: Plants of limited distribution

Plants with a California Rare Plant Rank of 4 are of limited distribution or infrequent throughout a broader area in California, and their status should be monitored regularly. Should the degree of endangerment or rarity of a California Rare Plant Rank 4 plant change, we will transfer it to a more appropriate rank.

Some of the plants constituting California Rare Plant Rank 4 meet the definitions of the California Endangered Species Act of the California Fish and Game Code, and few, if any, are eligible for state listing. Nevertheless, many of them are significant locally, and we strongly recommend that California Rare Plant Rank 4 plants be evaluated for impact significance during preparation of environmental documents relating to CEQA, or those considered to be functionally equivalent to CEQA, based on CEQA Guidelines §15125 (c) and/or §15380. This may be particularly appropriate for:

- The type locality of a California Rare Plant Rank 4 plant,
- Populations at the periphery of a species’ range,
- Areas where the taxon is especially uncommon,
- Areas where the taxon has sustained heavy losses, or
- Populations exhibiting unusual morphology or occurring on unusual substrates.

### Threat Ranks

Ranks at each level also include a threat rank (e.g., CRPB 4.3) and are determined as follows:

- 0.1-Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
- 0.2-Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)
- 0.3-Not very threatened in California (less than 20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

## 6.0.2 CNDDDB data base GIS review

A review of the documented GIS occurrence data from the CNDDDB identified five (5) special status species that have at some time been documented to occur within two miles of the project site (Plate 4, Table 3).

None of the special status species documented to occur within two miles of the site as indicated by the CNDDDB GIS review were observed during the survey. None of these species were documented to occur at the site. However, marginal habitat conditions exist at the site that could potentially support Fisher, and the two plant species identified in Table 3.

**TABLE 1: CNDDDB SPECIAL STATUS SPECIES**

Scientific Name	Common Name	Status			Habitat Association and Distribution (CNDDDB)	Potential for Species to Occur in Project Area				
		Federal	State	Other		Not Expected	Low	Likely	Observed	
BIRDS										
Riparia riparia	bank swallow		T		Requires vertical banks/cliffs with fine textured soils near streams, rivers, lakes, or the ocean	x				Habitat absent on/or adjacent to the site.
MAMMALS										
Myotis yumanensis	Yuma myotis bat	SC			Distribution is closely tied to bodies of water. Maternity colonies in caves, mines, buildings or crevices. Optimal habitats are open forests and woodlands with sources of water over which to feed.	x				Habitat absent on/or adjacent to the site.
Pekania (Martes) pennanti	Fisher		T		Intermediate to large-tree stages of coniferous forests & deciduous-riparian areas w/ high percent canopy closure. Use cavities, snags, logs & rocky areas for cover & denning. Need large areas of mature, dense forest.....On March 18, 2019 , the Southern Sierra ESU (defined as California south of the Merced River) officially listed the Fisher as Threatened under the CESA.		x			Marginal habitat present. Open and sparse tree structure along with rural agriculture likely discourage the species from any long term occupancy. Likely the species would forage through the area and move on to denser wooded areas of the region.
PLANTS										
Arctostaphylos nissenana	Nissenan Manzanita			CNPS: 1B.2	Open, rocky shale ridges, chaparral, woodland		x			Marginal habitat present. Active maintenance and thinning of trees on the site likely prohibit the growth and or occupancy of the species at the site.
Clarkia biloba ssp. brandegeae	Brandegee's Clarkia			CNPS: 4.2	Often road cuts, chaparral, cismontane woodland, and lower montane coniferous forests		x			Marginal habitat present. Active maintenance and thinning of trees on the site likely prohibit the growth and or occupancy of the species at the site.

## 6.0.3 Jurisdictional Waters and Wetlands

No jurisdictional water features were identified in the GIS review of the project parent parcel. The project parcel contained no jurisdictional water features (Plate 5). No jurisdictional water features occur within the projects proposed development footprint.

## 6.1 Field Survey

The site survey was conducted on April 7, 2019. Field investigation did not detect any of the special status listed plant or wildlife species identified for this project location.

Observable wildlife of the site consisted mostly of birds. A nesting Red-breasted Nuthatches were observed at the site. No other bird species were observed nesting at the site. Trees were thoroughly examined for nest and cavities utilized by nesting birds. Cavities within pine trees

were observed as active nesting locations for Red-breasted Nuthatches. General nesting bird habitat exists throughout the site and the region.

No wetland or riparian features exist on site. Ephemeral drainage features exist outside of the proposed project parcel location. Expected work activities of the project are not expected to impact any water feature of the area.

## 7 Conclusions

The site survey found that nesting birds occur at the site. Based on the survey and database review it is the opinion of AEC that the site supports nesting birds and nesting bird habitat.

There were no indications that Bats, Fishers, Bank Swallows, or other wildlife species not specifically covered here in the report but identified in the CNDDDB GIS are utilizing the site as it was observed during the survey. No observations of these species or their expected habitat was observed during the survey. It is our opinion that none of the listed wildlife species identified in the CNDDDB review are likely to occur at the site.

There is a low diversity of plant species occurring at the site as indicated by the site survey. The disturbance and maintenance level of the site are likely preventing the any of the listed and other commonly occurring plant species of the region from establishing or growing at the site. It our opinion that none of the listed plant species identified in the CNDDDB review are likely to occur at the site.

## 8 Recommendations

1. If construction will start during the breeding or nesting season for Migratory Bird Treaty Act (MBTA) birds than a preconstruction avian survey for nesting birds should be implemented. (*Breeding season starts February 1, nesting season starts March 1<sup>st</sup> and both continue through until mid-September with special circumstances for individual species*).
2. Construction Best Management Practices as well as Standard Construction Conditions will need to be completed to prevent take of nesting bird species.
3. Monitoring should be implemented during construction activities if nesting birds are identified in the preconstruction or nesting bird surveys where construction may disturb locally nesting bird species.

## 9 Limitations

The site survey is conducted with consideration for current existing environmental laws, regulations, and policies for the time that the survey was conducted. The results provided

represent observations of the site at a particular point in time. The habitat(s), topography, resources, and conditions on-site can exhibit seasonal and permanent changes after the survey has been completed. Therefore, the survey report can only represent the site as it was observed during the survey period. No warranty is expressed or implied. This report is intended for use by the client and or the end user for the purposes of assessing risk related to work associated with cell tower antenna work. No part of this report may be used or reproduced, altered, or otherwise edited without the express written consent of AEC, the author, or a representative of either or both.

## **10 Appendices**

### **1. Maps and Plates**

- 1. Site Regional and Vicinity Maps**
- 2. Site (Project) boundary map**
- 3. Site Soils Map**
- 4. Site Natural Resources Map (CNDDB)**
- 5. Site Wetlands Map**

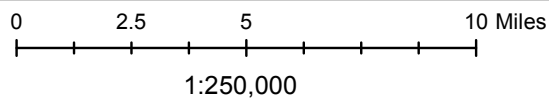
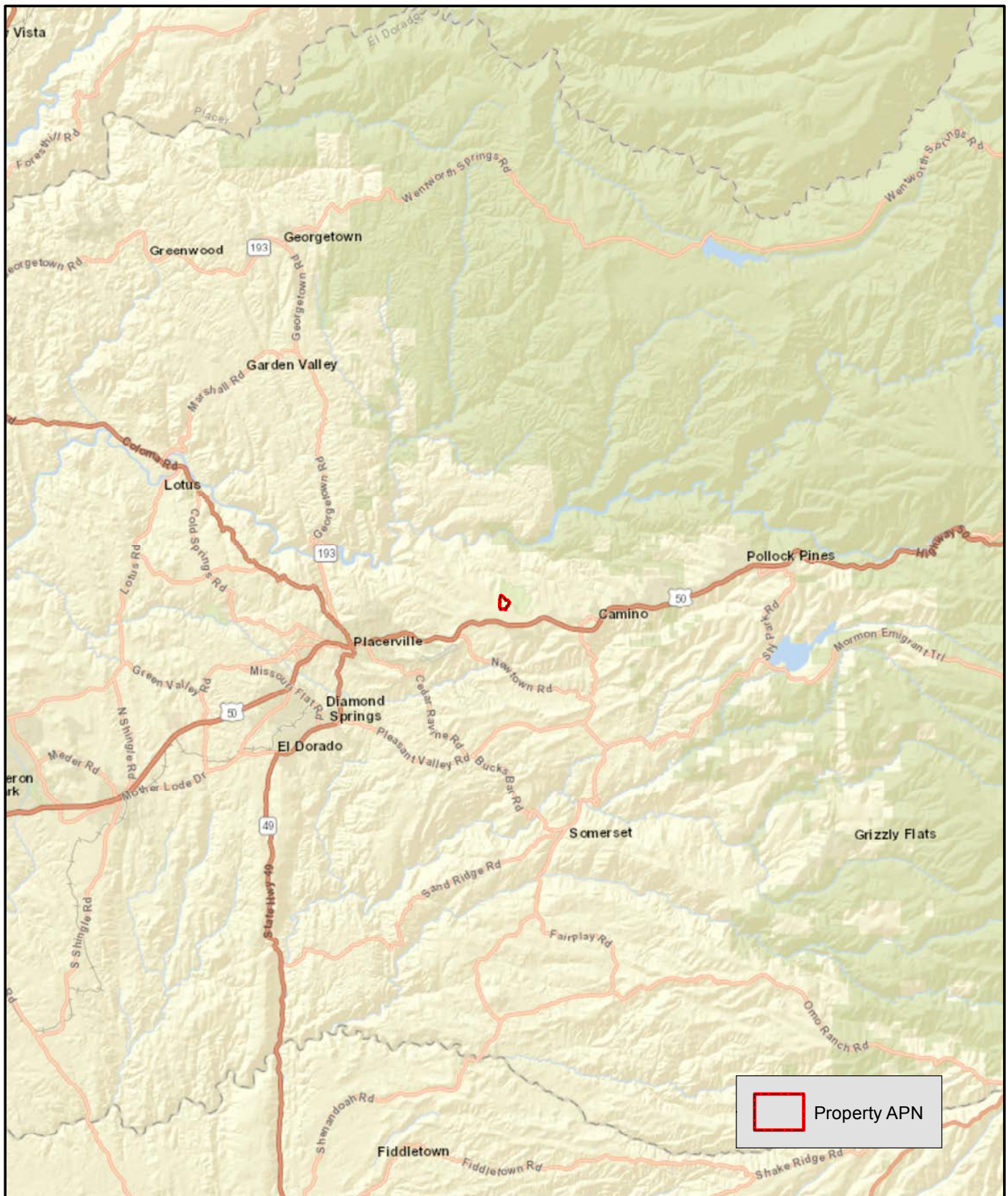
### **2. Tables**

- 1. Special Status Species (Project Specific)**



0 40 80 160 Miles  
1:4,000,000

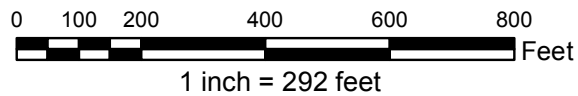
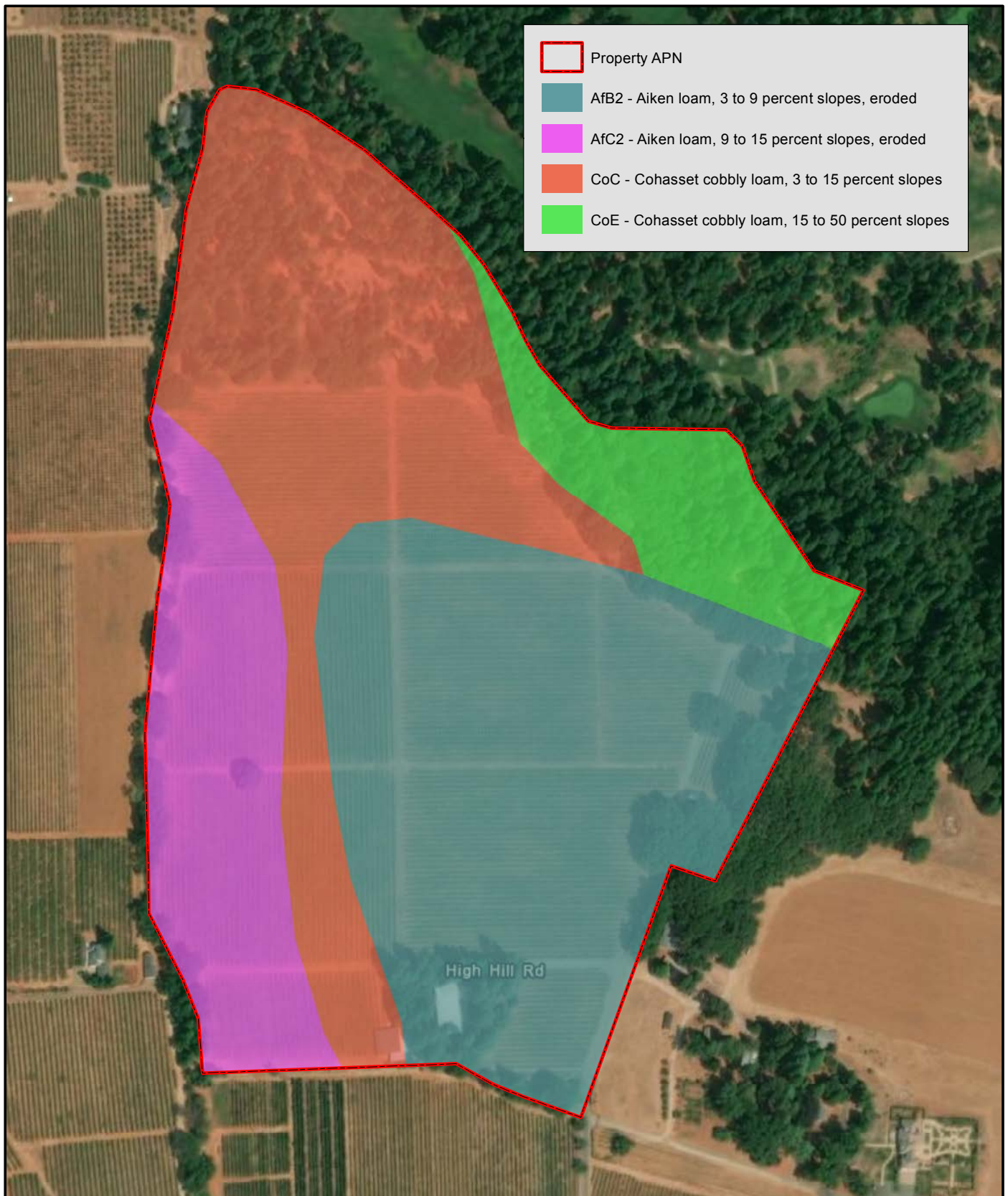
**PLATE 1**  
**Regional Map**



**PLATE 2**  
**Vicinity Map**

DATE: July 3, 2019  
 COORDINATE SYSTEM: NAD 1983 State Plane Zone II (feet)  
 SOURCE: ESRI World Street Map, GOTNET County of El Dorado

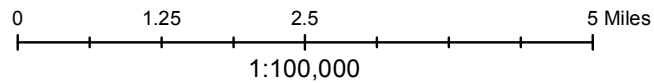
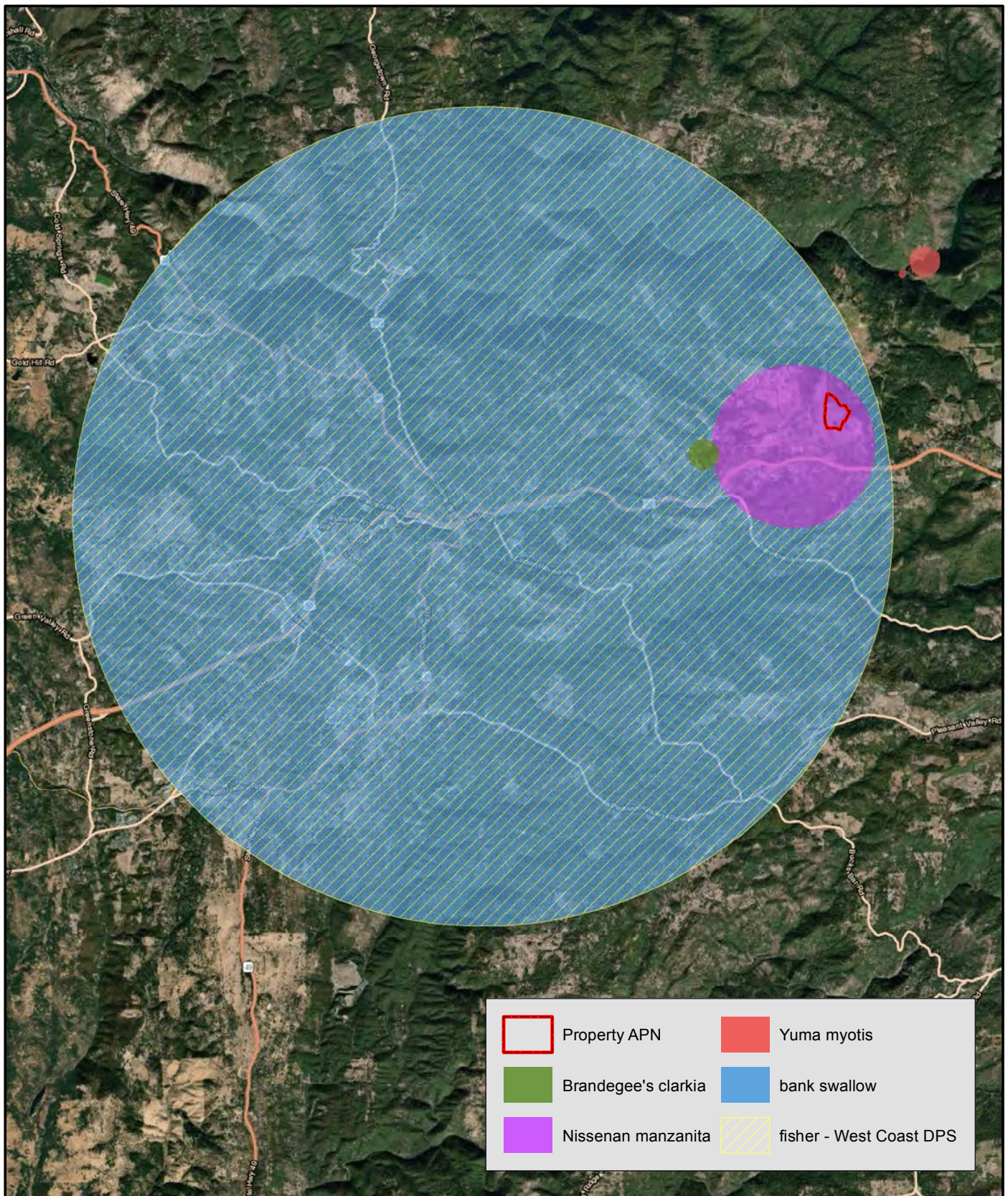
CA4075: Bavarian Hills  
 20-0006 F 101 of 286



**PLATE 3**  
**NRCS Soils**

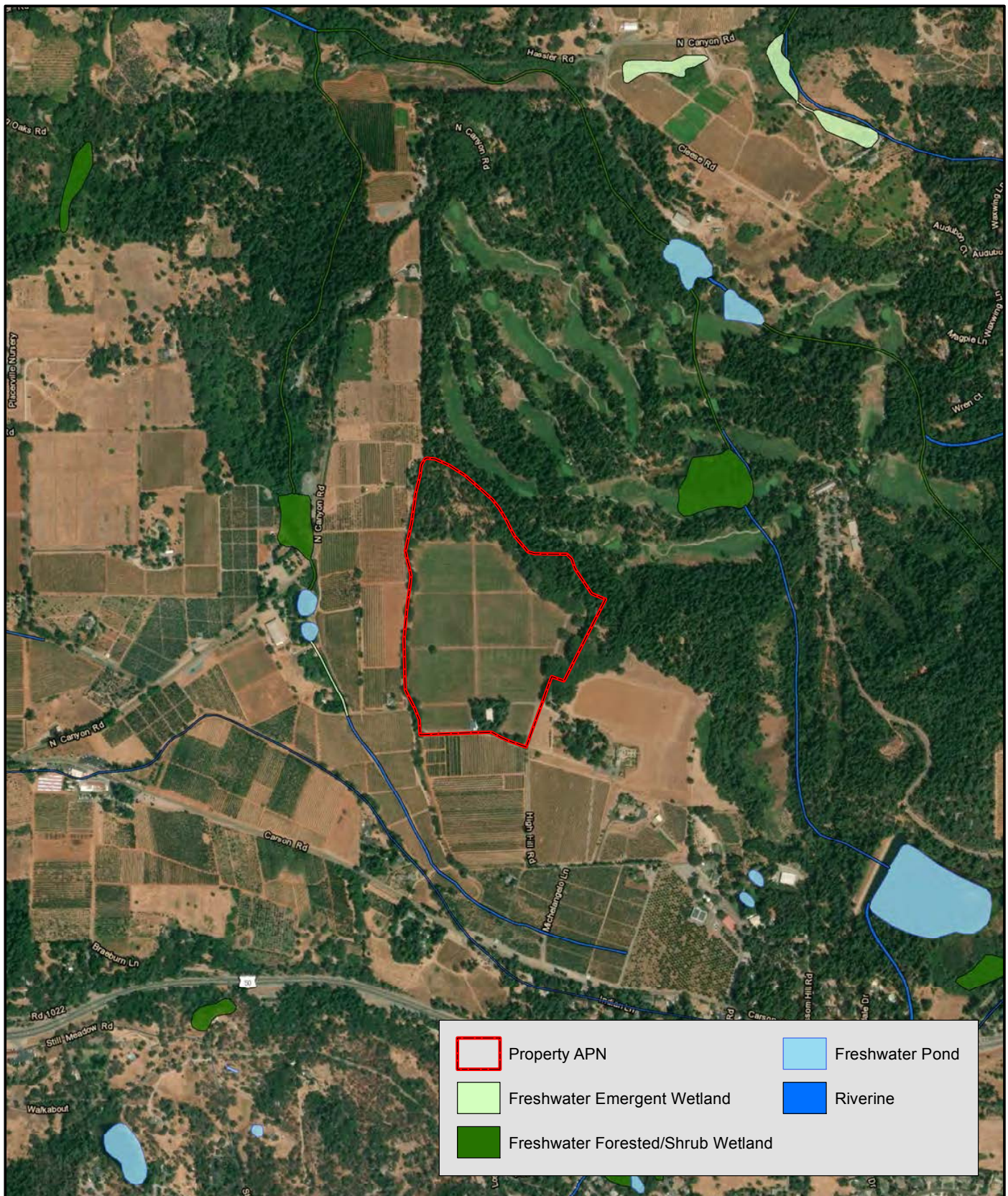
DATE: July 3, 2019  
 COORDINATE SYSTEM: NAD 1983 State Plane Zone II (feet)  
 SOURCE: ESRI Imagery and Transportation Basemaps, GOTNET County of El Dorado  
 NRCS Web Soil Survey El Dorado Area, California (CA624)

CA4075: Bavarian Hills  
 20-0006 F 102 of 286



**PLATE 4**  
**CNDDDB Two**  
**Mile Query**

DATE: July 5, 2019  
COORDINATE SYSTEM: NAD 1983 State Plane Zone II (feet)  
SOURCE: ESRI Imagery and Transportation Basemaps,  
GOTNET County of El Dorado, CNDDDB (July 2019 data)



0 375 750 1,500 2,250 3,000 Feet  
1 inch = 1,042 feet

**PLATE 5**  
**USFWS National**  
**Wetlands Inventory**

DATE: July 5, 2019  
COORDINATE SYSTEM: NAD 1983 State Plane Zone II (feet)  
SOURCE: ESRI Imagery and Transportation Basemaps,  
GOTNET County of El Dorado, USFWS NWI

CA4075: Bavarian Hills  
20-0006 F 104 of 286



## United States Department of the Interior

### FISH AND WILDLIFE SERVICE

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

Phone: (916) 414-6600 Fax: (916) 414-6713



In Reply Refer To:

October 22, 2019

Consultation Code: 08ESMF00-2020-SLI-0159

Event Code: 08ESMF00-2020-E-00452

Project Name: CA4075

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

#### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

[http://www.nwr.noaa.gov/protected\\_species/species\\_list/species\\_lists.html](http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html)

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Sacramento Fish And Wildlife Office**

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

## Project Summary

Consultation Code: 08ESMF00-2020-SLI-0159

Event Code: 08ESMF00-2020-E-00452

Project Name: CA4075

Project Type: COMMUNICATIONS TOWER

**Project Description:** The Site Parcel is developed with Madrona Vineyards and Madrona winery with a residential house present. The Site Parcel is located north of High Hill Road and north of Highway 50. According to the El Dorado Assessor's Office the Site Parcel consists of 54.06-acres and is identified as Parcel Number (APN) 048-090-04-100. The residence was reportedly constructed in early 1970s. The current vineyard was planted in 1972 through 1973.

For this undertaking Horizon Tower, LLC has proposed to build a 125-foot tall monopole tower that will be designed to hold a minimum of four telecommunications entities. The monopole tower will be concealed as a tree. Horizon Tower will install new equipment within a new proposed 40-foot by 40-foot fenced lease area. Ground disturbance, for utility trenching and grading, will be completed as a part of this project.

**Project Location:**

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/38.748421252764246N120.71976727216128W>



Counties: El Dorado, CA

## Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/2891">https://ecos.fws.gov/ecp/species/2891</a> Species survey guidelines: <a href="https://ecos.fws.gov/ipac/guideline/survey/population/205/office/11420.pdf">https://ecos.fws.gov/ipac/guideline/survey/population/205/office/11420.pdf</a>	Threatened

## Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/321">https://ecos.fws.gov/ecp/species/321</a>	Threatened

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ

[below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

#### Bald Eagle *Haliaeetus leucocephalus*

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1626>

Breeds Jan 1 to Aug 31

#### Cassin's Finch *Carpodacus cassinii*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9462>

Breeds May 15 to Jul 15

#### Lewis's Woodpecker *Melanerpes lewis*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9408>

Breeds Apr 20 to Sep 30

#### Olive-sided Flycatcher *Contopus cooperi*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/3914>

Breeds May 20 to Aug 31

**Rufous Hummingbird** *selasphorus rufus*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/8002>

**Williamson's Sapsucker** *Sphyrapicus thyroideus*

Breeds May 1 to Jul 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/8832>

## Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

### Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

### Survey Effort (I)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

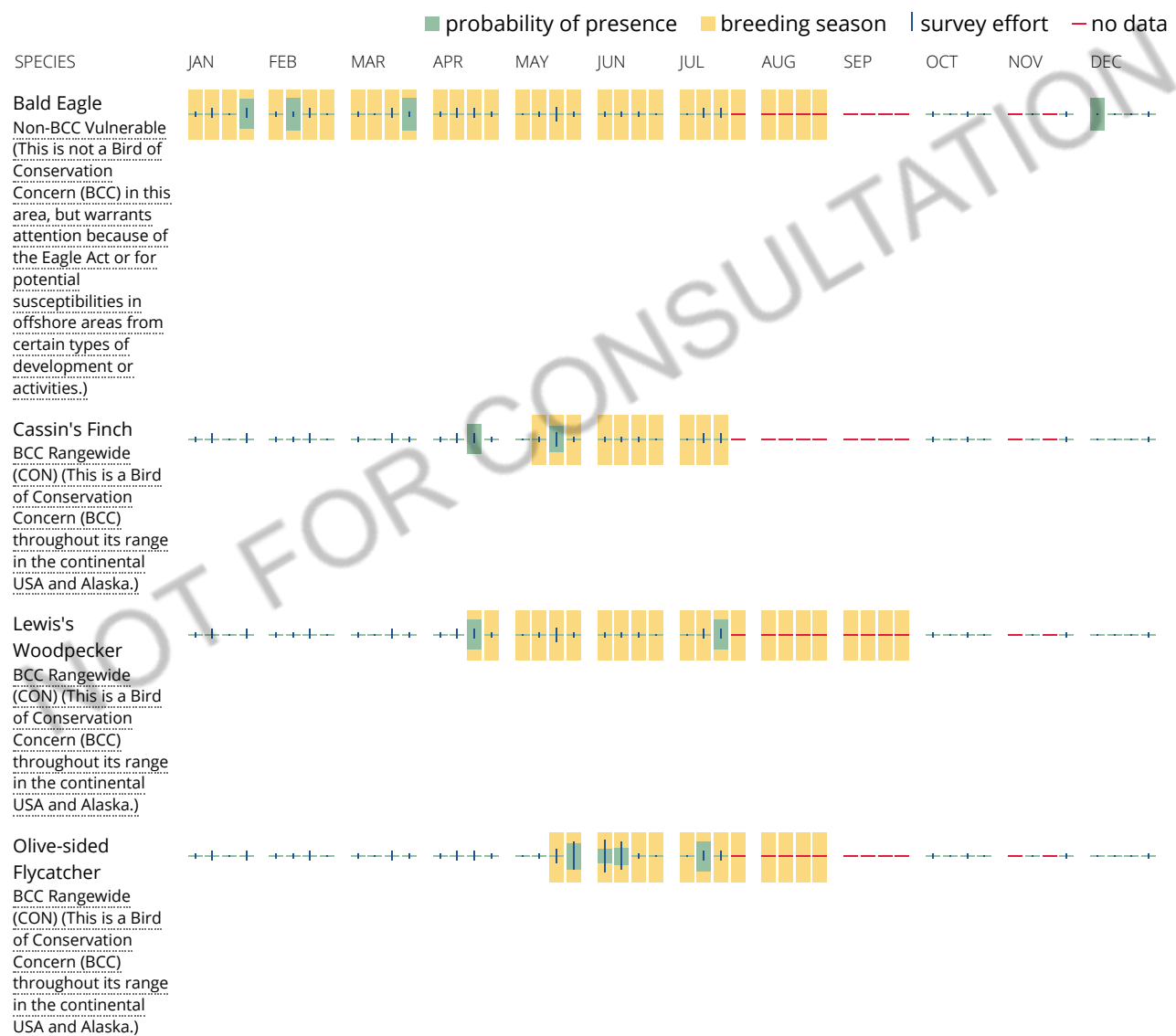
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

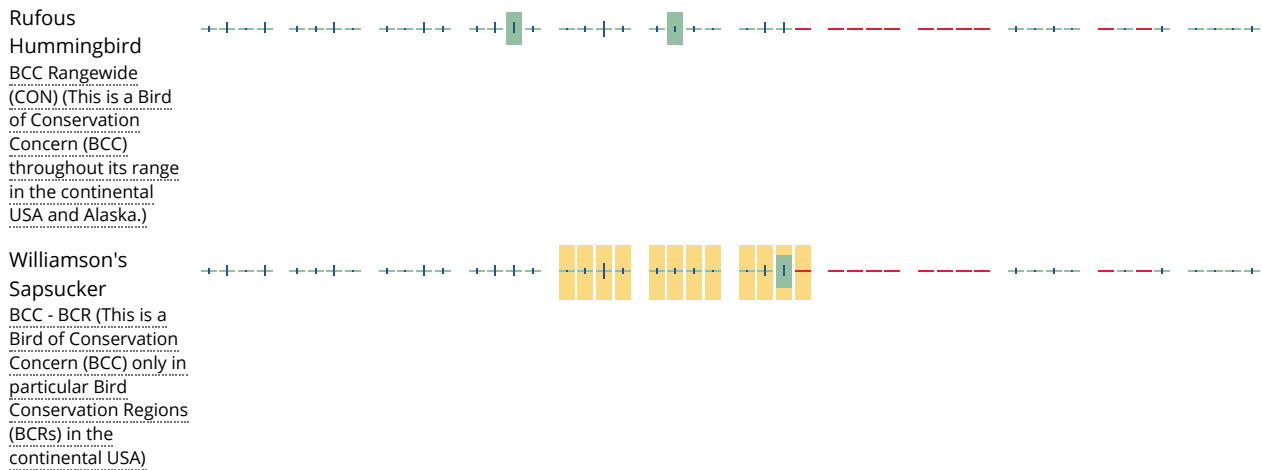
### No Data (—)

A week is marked as having no data if there were no survey events for that week.

### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





**Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.**

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

**What does IPaC use to generate the migratory birds potentially occurring in my specified location?**

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

**What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?**

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

**How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?**

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

### What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

### Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

### Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to

confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

NOT FOR CONSULTATION



CA4047 / Bavarian Hills  
2560 High Hill Road  
Placerville, EL Dorado County CA

## Appendix E

# Proof of SHPO Delivery Receipt, CA SHPO 30-day policy (PA Stipulation VII.B.2. & VII.C.2. — 30 Day Review), & SHPO 620 Submittal

JUL 26 2019

GEIST ENGINEERING & ENVIRONMENTAL GROUP INC



## Submittal Drop-Off Verification Form

July 26, 2019

Ms. Julianne Polanco  
State Historic Preservation Officer  
California Department of Parks and Recreation  
Office of Historic Preservation  
1725 23rd Street, Suite 100  
Sacramento, CA 95816-7100

Re: **FCC Form 620 New Tower Submission Packet**  
**Monotree Tower**  
**Horizon Tower Name: Bavarian Hills**  
**Horizon Tower ID: CA4075**  
**2560 High Hill Road, Placerville, El Dorado County, CA 95667**  
**GE2G Project Number: 311130**

CA SHPO Received Name: DIANE BARCLAY  
CA SHPO Received Signature: [Signature]  
CA SHPO Received Date: 7-26-2019  
CA SHPO Received Time: 11:50 (AM/PM)

GE<sup>2</sup>G Service Signature/ Date/ Time

[Signature] 11:50 (AM/PM)  
Geist Engineering and Environmental Group, Inc.  
4200 Park Boulevard #149, Oakland, CA 94602  
Direct: 510.238.8851 Fax: 510.238.8644



Office of Historic  
Preservation

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# California SHPO FAQs - FCC Nationwide PA

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## **PA Stipulation V.D. — Public Participation/Interested Persons**

The SHPO may make available lists of groups, including Indian tribes, which should be provided notice for undertakings to be located in particular areas. The California SHPO recommends that applicants contact the Native American Heritage Commission (<http://ceres.ca.gov/nahc/>) to obtain a list of Native American contacts for your project area. The SHPO also recommends that applicants contact the preservation organizations and historical societies (<http://home.earthlink.net/~beckers912/presprog/plinks.htm>) that are associated with the specific city/county that your project is located in. The SHPO further recommends that if the project location is in a city or county that is a Certified Local Government (CLG) ([/pages/1072/files/clg%20contact%20list.pdf](http://pages/1072/files/clg%20contact%20list.pdf)), that the CLG be provided notice of the undertaking.

## **PA Stipulation VI.C.4. — Area of Potential Effect (APE)**

If the applicant is using an APE for visual effects that differs from those described in this stipulation, then a reasonable narrative explanation must be provided in Attachment 7.b. of the submittal.

## **PA Stipulation VI.D.1.a.v. — SHPO Inventory of Historic Properties**

The SHPO inventory of historic properties for the APE/city may be obtained from a regional CHRIS Information Center (IC) ([/pages/1054/files/ic%20roster.pdf](http://pages/1054/files/ic%20roster.pdf)). The IC will provide individuals with a Historic Property Directory consisting of both a built environment and archeological component. All properties with a National Register Status (NRS) of 1-4 have been previously evaluated and found to meet the National Register criteria.

## **PA Stipulation VI.D.2.b. — Archeological Field Surveys/Non-Survey**

Identification and evaluation of historic properties within the APE for direct effects shall be undertaken by a professional who meets the *Secretary of the Interior's Professional Qualification Standards* (<http://www.cr.nps.gov/hps/laws/ProfQual83.htm>). (Standards) in the appropriate discipline. **This includes any finding that an archeological field survey is not required.** Identification and evaluation relating to archeological resources shall also be performed by a professional who meets the Standards in archeology. An IC Record Search does not satisfy this requirement. Building evaluations should be performed by a person who meets the Standards

as an architectural historian or historian. The professional may be a person in the applicant's employ or a consultant to the applicant.

**PA Stipulation VI.E.5. — Assessment of Effects**

Assessment of effects will be performed by a professional who meets the Standards in the appropriate discipline.

**PA Stipulation VII.A.1. — Submission Forms**

As part of the PA, applicants are required to use [FCC Form 620 NT \(http://www.fcc.gov/Forms/Form620/620.pdf\)](http://www.fcc.gov/Forms/Form620/620.pdf) or [FCC Form 621 CT \(http://www.fcc.gov/Forms/Form621/621.pdf\)](http://www.fcc.gov/Forms/Form621/621.pdf). As of April 7, 2005, the SHPO will only accept submittal packets using the appropriate FCC Forms. At this time we are not accepting FCC E-106 forms.

**PA Stipulation VII.B.2. & VII.C.2. — 30 Day Review**

If applicants do not receive a response from the SHPO within 30 days then the applicant may proceed with the process as outlined in the PA. As a result of this provision, the SHPO office will no longer provide status checks on submitted projects. In addition the SHPO will no longer accept requests for expedited review. Projects will be reviewed in the order received.

## Related Pages

[The FCC & Section 106 Review \(/?page\\_id=22327\)](#)

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## Staff Contacts

**Jay Correia** (<mailto:jay.correia@parks.ca.gov>), Supervisor, Cultural Resources Program

(<mailto:dbyrd@parks.ca.gov>) **Michelle Messinger** (<mailto:michelle.messinger@parks.ca.gov>), State Historian II

**Jeff Brooke** (<mailto:jeff.brooke@parks.ca.gov>), Associate State Archaeologist

## FCC PAs & FORMS

**PAs**

- [FCC Nationwide PA \(http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/FCC-04-222A3.pdf\)](http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-04-222A3.pdf)
- [FCC Interactive Learning Unit \(http://wireless.fcc.gov/siting/npa/npa.html\)](http://wireless.fcc.gov/siting/npa/npa.html)
- [FCC Collocation PA \(http://wireless.fcc.gov/releases/da010691a.pdf\)](http://wireless.fcc.gov/releases/da010691a.pdf)
- [FCC Fact Sheet - Collocation PA \(http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DA-02-28A1.pdf\)](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-02-28A1.pdf)

## FORMS


- [FCC Form 620 NT \(../pages/1054/files/fcc620nt.doc\)](#) (Word)
- [FCC Form 621 CT \(../pages/1054/files/fcc621ct.doc\)](#) (WORD)

## Contacts

- [CHRIS Information Centers \(../pages/1068/files/ic%20roster.pdf\)](#)
- [Native American Heritage Commission \(http://ceres.ca.gov/nahc/\)](http://ceres.ca.gov/nahc/)
- [Preservation Organizations & Historical Societies \(http://home.earthlink.net/~beckers912/presprog/plinks.htm\)](http://home.earthlink.net/~beckers912/presprog/plinks.htm)
- [CLGs Contact List \(../pages/1072/files/clg%20contact%20list.pdf\)](#)

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## Contact Us

 **Address:** 1725 23rd Street, Suite 100, Sacramento, CA 95816

 **Public Information Inquiries:** (916) 445-7000

 **Email:** [calshpo@parks.ca.gov](mailto:calshpo@parks.ca.gov) (<mailto:calshpo@parks.ca.gov>)

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## Latest Tweet

@calshpo (<http://www.twitter.com/calshpo>)

SHPO Julianne Polanco invites you to join her for the launch of the Climate Heritage Network, on October 24, 2019!...

<https://t.co/oUx53TzBXr> (<https://t.co/oUx53TzBXr>)

6h (<https://twitter.com/calshpo/status/1186726439430701056>)

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| [Accessible Parks \(/?page\\_id=21944\)](#) | [Site Map \(/?page\\_id=23162\)](#)

**OFFICE OF HISTORIC PRESERVATION  
DEPARTMENT OF PARKS AND RECREATION**

1725 23<sup>rd</sup> Street, Suite 100  
SACRAMENTO, CA 95816-7100  
(916) 445-7000 Fax: (916) 445-7053 calshpo@parks.ca.gov  
www.ohp.parks.ca.gov



Dear FCC Applicant:

Section 106 FCC submissions will not be accepted unless this cover sheet is completed and attached.

Project Name AT&T CA4075 "Bavarian Hills"  
Project Address 2560 High Hill Rd. Placerville CA

Based on the information provided on the accompanying FCC Form 620 or Form 621 the following information applies to this project:

	There are buildings or structures over 45 years of age within this project's direct/indirect area of potential effect (APE).
	There is an archeological site located within this project's direct APE.
	A qualified archeologist has determined that the proposed project area is considered moderately to highly sensitive for archeological resources.

If the above boxes are blank, there are no historic properties within the direct or indirect project area. Therefore, pursuant to Stipulation VII.B.2 of the *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission* as quoted below, **your Section 106 responsibilities are complete:**

If the SHPO/THPO does not provide written notice to the Applicant that it agrees or disagrees with the Applicant's determination of No Historic Properties Affected within 30 days following receipt of a complete Submission Packet, it is deemed that no Historic Properties Exist within the APE or the Undertaking will have no effect on Historic Properties. The Section 106 process is then complete and the Applicant may proceed with the project, unless further processing for reasons other than Section 106 is required.

       Yes, this submission contains an eligibility determination requiring SHPO concurrence.    \*Yes, this submission contains tribal response. (***\*Standard NAHC and TCNS outreach with no responses of interest for monitoring or culturally significant areas indicated.***)

This project will: Not   X   Not Adversely        Adversely        affect Historic Properties.

The qualified project archeologist acknowledges that a pedestrian survey has been completed, a record search has been conducted at the appropriate California Historic Resources Information Center (IC) and that all submitted information is true.

Archeologist's signature

Date 7-15-19

**Please note, this letter pertains only to FCC projects being submitted to the California SHPO for comment.**

Sincerely,

**Julianne Polanco**  
State Historic Preservation Officer



July 26, 2019

Ms. Julianne Polanco  
State Historic Preservation Officer  
California Department of Parks and Recreation  
Office of Historic Preservation  
1725 23rd Street, Suite 100  
Sacramento, CA 95816-7100

Re: **FCC Form 620 Submission Packet / New Telecommunication Facility**  
**Horizon Name: Bavarian Hills / Horizon ID: CA4075**  
**2560 High Hill Road, Placerville, El Dorado County, CA 95667**  
**GE²G Project Number: 311130**

Dear Ms. Polanco,

Geist Engineering and Environmental Group, Inc. (GE²G), appreciates the opportunity to submit the attached Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) Submission Packet Form 620 under the Section 106 rules of the National Historic Preservation Act (NHPA). This proposed undertaking does not meet the exclusions stated in the Nationwide Programmatic Agreement (NPA) for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC in 2004; therefore, this undertaking is required to undergo Section 106 review with the California SHPO.

The Site Parcel is developed with Madrona Vineyards and Madrona winery with a residential house present. There are no known prehistoric or NRHP-eligible historic resources within or within 1/2-mile of the project area. Horizon Towers, LLC has proposed to construct a new 125-foot tall monopole concealed as a monopine and a state of California approved 40-foot by 40-foot equipment shelter. GE²G has concluded a finding of No Historic Properties for Direct & Indirect Effects with the proposed monopine Horizon tower. At the time of this current Submittal Package one Federal tribe The United Auburn Indian Community has requested a Native American monitor be present for execution oversight.

This submittal presents the details on the proposed project as well as efforts that have been taken to identify, assess, and make determinations of effect on the impacts of the proposed telecommunications project on Historic Resources in accordance with the NPA for its potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP).

If you have any inquiries for this Horizon Tower, LLC proposed undertaking or would like any additional information, please contact me at by phone at (510) 238-8851, by mail 4200 Park Boulevard #149 Oakland California 94602, or [sgeist@GE2G.com](mailto:sgeist@GE2G.com).

Sincerely,

Stephen Geist, President,  
Geist Engineering and Environmental Group, Inc. (Direct phone # 510-238-8851)

Notification Date: **7AM EST 07/26/2019****New Tower ("NT") Submission Packet**File Number: **0008740988**See instructions for  
public burden estimates**General Information**

1) (Select only one) ( <b>NE</b> ) <b>NE</b> – New <b>UA</b> – Update of Application <b>WD</b> – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

**Applicant Information**

3) FCC Registration Number (FRN): <b>0012330817</b>
4) Name: <b>Horizon Tower, LLC</b>

**Contact Name**

5) First Name: <b>Suzie</b>	6) MI:	7) Last Name: <b>Densmore</b>	8) Suffix:
9) Title:			

**Contact Information**

10) P.O. Box:	And /Or	11) Street Address: <b>117 Town and Country Drive Suite A</b>	
12) City: <b>Danville</b>		13) State: <b>CA</b>	14) Zip Code: <b>94526</b>
15) Telephone Number: <b>(925)314-1113</b>		16) Fax Number:	
17) E-mail Address: <b>suzie@horizontower.com</b>			

**Consultant Information**

18) FCC Registration Number (FRN): <b>0019661388</b>
19) Name: <b>Geist Engineering and Environmental Group, Inc. (GE2G)</b>

**Principal Investigator**

20) First Name: <b>Carolyn</b>	21) MI:	22) Last Name: <b>Losee</b>	23) Suffix:
24) Title: <b>RPA</b>			

**Principal Investigator Contact Information**

25) P.O. Box:	And /Or	26) Street Address: <b>4200 Park Boulevard #149</b>	
27) City: <b>Oakland</b>		28) State: <b>CA</b>	29) Zip Code: <b>94602</b>
30) Telephone Number: <b>(415)526-3706</b>		31) Fax Number:	
32) E-mail Address: <b>losee025@comcast.net</b>			

**Professional Qualification**

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	( <input checked="" type="checkbox"/> ) <u>Y</u> es ( <input type="checkbox"/> ) <u>N</u> o
34) Areas of Professional Qualification: ( <input checked="" type="checkbox"/> ) Archaeologist ( <input type="checkbox"/> ) Architectural Historian ( <input type="checkbox"/> ) Historian ( <input type="checkbox"/> ) Architect ( <input type="checkbox"/> ) Other (Specify) _____	

**Additional Staff**

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	( <input type="checkbox"/> ) <u>Y</u> es ( <input checked="" type="checkbox"/> ) <u>N</u> o
--	---

If "YES," complete the following:

36) First Name:	37) MI:	38) Last Name:	39) Suffix:
40) Title:			
41) Areas of Professional Qualification: ( <input type="checkbox"/> ) Archaeologist ( <input type="checkbox"/> ) Architectural Historian ( <input type="checkbox"/> ) Historian ( <input type="checkbox"/> ) Architect ( <input type="checkbox"/> ) Other (Specify) _____			

## Site Information

### Tower Construction Notification System

1) TCNS Notification Number: **180197**

### Site Information

2) Positive Train Control Filing Subject to Expedited Treatment Under Program Comment: ( ) Yes ( **X** ) No

3) Site Name: **Bavarian Hills**

4) Site Address: **2560 High Hill Road**

5) Detailed Description of Project:

**New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road. Horizon CA4075 Bavarian Hills GE2G 311130**

6) City: **Placerville**

7) State: **CA**

8) Zip Code: **95667**

9) County/Borough/Parish: **EL DORADO**

10) Nearest Crossroads: **High Hills Road & Michelangelo Lane**

11) **NAD 83** Latitude (DD-MM-SS.S): **38-44-57.3**

( **X** ) N or ( ) S

12) **NAD 83** Longitude (DD-MM-SS.S): **120-43-14.7**

( ) E or ( **X** ) W

### Tower Information

13) Tower height above ground level (include top-mounted attachments such as lightning rods): 38.1 ( ) Feet ( **X** ) Meters

14) Tower Type (Select One):

( ) Guyed lattice tower

( ) Self-supporting lattice

( **X** ) Monopole

( ) Other (Describe):

### Project Status

15) Current Project Status (Select One):

( **X** ) Construction has not yet commenced

( ) Construction has commenced, but is not completed

Construction commenced on: \_\_\_\_\_

( ) Construction has been completed

Construction commenced on: \_\_\_\_\_

Construction completed on: \_\_\_\_\_

**Determination of Effect**

14) Direct Effects (Select One):

- ( ☒ ) No Historic Properties in Area of Potential Effects (APE)  
(     ) No Effect on Historic Properties in APE  
(     ) No Adverse Effect on Historic Properties in APE  
(     ) Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- ( ☒ ) No Historic Properties in Area of Potential Effects (APE)  
(     ) No Effect on Historic Properties in APE  
(     ) No Adverse Effect on Historic Properties in APE  
(     ) Adverse Effect on one or more Historic Properties in APE

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?		( <input checked="" type="checkbox"/> ) <b>Yes</b> (    ) <b>No</b>
2a) Tribes/NHOs contacted through TCNS Notification Number: <b>180197</b>		Number of Tribes/NHOs: <b>9</b>
2b) Tribes/NHOs contacted through an alternate system:		Number of Tribes/NHOs: <b>0</b>

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Eastern Shoshone Tribe</b>

#### Contact Name

5) First Name: <b>Josh</b>	6) MI:	7) Last Name: <b>Mann</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <b>11/15/2018</b>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Ione Band of Miwok Indians</b>

#### Contact Name

5) First Name: <b>Sara</b>	6) MI:	7) Last Name: <b>Dutschke Setshwaelo</b>	8) Suffix:
9) Title: <b>Chairperson</b>			

#### Dates & Response

10) Date Contacted <b>11/15/2018</b>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?		( <input checked="" type="checkbox"/> ) <b>Yes</b> (    ) <b>No</b>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>180197</u>		Number of Tribes/NHOs: <u>9</u>
2b) Tribes/NHOs contacted through an alternate system:		Number of Tribes/NHOs: <u>0</u>

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Los Coyotes Reservation</b>

#### Contact Name

5) First Name: <b>Shane</b>	6) MI:	7) Last Name: <b>Chapparosa</b>	8) Suffix:
9) Title: <b>Chairman</b>			

#### Dates & Response

10) Date Contacted <u>11/15/2018</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Northwestern Band of Shoshone Nation</b>

#### Contact Name

5) First Name: <b>Montana &amp; Associates</b>	6) MI:	7) Last Name: <b>LLC</b>	8) Suffix:
9) Title: <b>Attorney</b>			

#### Dates & Response

10) Date Contacted <u>11/14/2018</u>	11) Date Replied <u>11/16/2018</u>
(    ) No Reply	
(    ) Replied/No Interest	
( <input checked="" type="checkbox"/> ) Replied/Have Interest	
(    ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?		( <input checked="" type="checkbox"/> ) <u>Yes</u> (    ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>180197</u>		Number of Tribes/NHOs: <u>9</u>
2b) Tribes/NHOs contacted through an alternate system:		Number of Tribes/NHOs: <u>0</u>

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Shingle Springs Rancheria</b>

#### Contact Name

5) First Name: <b>Daniel</b>	6) MI:	7) Last Name: <b>Fonseca</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>11/15/2018</u>	11) Date Replied <u>11/29/2018</u>
(    ) No Reply	
( <input checked="" type="checkbox"/> ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Skull Valley Band of Goshute Indians</b>

#### Contact Name

5) First Name: <b>Montana &amp; Associates</b>	6) MI:	7) Last Name: <b>LLC</b>	8) Suffix:
9) Title: <b>Attorney</b>			

#### Dates & Response

10) Date Contacted <u>11/15/2018</u>	11) Date Replied <u>11/16/2018</u>
(    ) No Reply	
(    ) Replied/No Interest	
( <input checked="" type="checkbox"/> ) Replied/Have Interest	
(    ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?		( <input checked="" type="checkbox"/> ) <u>Yes</u> (    ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>180197</u>		Number of Tribes/NHOs: <u>9</u>
2b) Tribes/NHOs contacted through an alternate system:		Number of Tribes/NHOs: <u>0</u>

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>United Auburn Indian Community</b>

#### Contact Name

5) First Name: <b>Steven</b>	6) MI:	7) Last Name: <b>Hutchason</b>	8) Suffix:
9) Title: <b>Tribal Heritage Specialist</b>			

#### Dates & Response

10) Date Contacted <u>11/15/2018</u>	11) Date Replied <u>12/13/2018</u>
(    ) No Reply	
(    ) Replied/No Interest	
( <input checked="" type="checkbox"/> ) Replied/Have Interest	
(    ) Replied/Other	

#### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Washoe Tribe of Nevada &amp; California</b>

#### Contact Name

5) First Name: <b>Darrel</b>	6) MI:	7) Last Name: <b>Cruz</b>	8) Suffix:
9) Title: <b>THPO</b>			

#### Dates & Response

10) Date Contacted <u>11/14/2018</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?		( <input checked="" type="checkbox"/> ) <u>Yes</u> (    ) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>180197</u>		Number of Tribes/NHOs: <u>9</u>
2b) Tribes/NHOs contacted through an alternate system:		Number of Tribes/NHOs: <u>0</u>

### Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: <b>Wilton Rancheria</b>

### Contact Name

5) First Name: <b>Ralph</b>	6) MI: <b>T</b>	7) Last Name: <b>Hatch</b>	8) Suffix:
9) Title: <b>Executive Director of Cultural Preservat</b>			

### Dates & Response

10) Date Contacted <u>11/15/2018</u>	11) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

## Other Tribes/NHOs Contacted

### Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

### Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

### Contact Information

8) P.O. Box:	<b>And /Or</b>	9) Street Address:	
10) City:		11) State:	12) Zip Code:
13) Telephone Number:		14) Fax Number:	
15) E-mail Address:			
16) Preferred means of communication:  (    ) E-mail  (    ) Letter  (    ) Both			

### Dates & Response

17) Date Contacted _____	18) Date Replied _____
(    ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

## Historic Properties

### Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	(    ) <u>Y</u> es ( <b>X</b> ) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	(    ) <u>Y</u> es ( <b>X</b> ) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	(    ) <u>Y</u> es ( <b>X</b> ) <u>N</u> o

### Historic Property

4) Property Name:
5) SHPO Site Number:

### Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

### Status & Eligibility

11) Is this property listed on the National Register?  Source: _____	(    ) <u>Y</u> es (    ) <u>N</u> o
12) Is this property eligible for listing on the National Register?  Source: _____	(    ) <u>Y</u> es (    ) <u>N</u> o
13) Is this property a National Historic Landmark?	(    ) <u>Y</u> es (    ) <u>N</u> o

14) Direct Effects (Select One):  <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One):  <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE

## Local Government Involvement

### Local Government Agency

1) FCC Registration Number (FRN):
2) Name: <b>EL Dorado Planning Department</b>

### Contact Name

3) First Name: <b>Department</b>	4) MI:	5) Last Name: <b>Representative</b>	6) Suffix:
7) Title:			

### Contact Information

8) P.O. Box:	And /Or	9) Street Address: <b>2850 Farlane Court</b>	
10) City: <b>Placerville</b>		11) State: <b>CA</b>	12) Zip Code: <b>95667</b>
13) Telephone Number: <b>(530)621-5355</b>		14) Fax Number:	
15) E-mail Address:			
16) Preferred means of communication:  (    ) E-mail ( <b>X</b> ) Letter (    ) Both			

### Dates & Response

17) Date Contacted <b>07/22/2019</b>	18) Date Replied _____
( <b>X</b> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

19) Information on local government's role or interest (optional):
--

### Other Consulting Parties

#### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
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#### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>El Dorado County Historical Society</b>

#### Contact Name

4) First Name: <b>Society</b>	5) MI:	6) Last Name: <b>Representative</b>	7) Suffix:
8) Title:			

#### Contact Information

9) P.O. Box:	<b>And /Or</b>	10) Street Address: <b>524 Main Street</b>	
11) City: <b>Pacerville</b>		12) State: <b>CA</b>	13) Zip Code: <b>95667</b>
14) Telephone Number: <b>(530)621-5865</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

#### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

### Other Consulting Parties

#### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

#### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Washoe Tribe of Nevada and California</b>

#### Contact Name

4) First Name: <b>Darrel</b>	5) MI:	6) Last Name: <b>Cruz</b>	7) Suffix:
8) Title: <b>THPO</b>			

#### Contact Information

9) P.O. Box:	And /Or	10) Street Address: <b>919 Highway 395 North</b>	
11) City: <b>Garnerville</b>		12) State: <b>NV</b>	13) Zip Code: <b>89410</b>
14) Telephone Number: <b>(775)265-2629</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

#### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

#### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Colfax-Todds Valley Consolidated Tribe</b>

### Contact Name

4) First Name: <b>Pamela</b>	5) MI:	6) Last Name: <b>Cubbler</b>	7) Suffix:
8) Title:			

### Contact Information

9) P.O. Box: <b>4884</b>	And /Or	10) Street Address:	
11) City: <b>Auburn</b>		12) State: <b>CA</b>	13) Zip Code: <b>95604</b>
14) Telephone Number: <b>(530)320-3943</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Colfax-Todds Valley Consolidated Tribe</b>

### Contact Name

4) First Name: <b>Clyde</b>	5) MI:	6) Last Name: <b>Prout</b>	7) Suffix:
8) Title: <b>Chairman</b>			

### Contact Information

9) P.O. Box: <b>4884</b>	And /Or	10) Street Address:	
11) City: <b>Auburn</b>		12) State: <b>CA</b>	13) Zip Code: <b>95604</b>
14) Telephone Number: <b>(916)577-3558</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Ione Band of Miwok Indians</b>

### Contact Name

4) First Name: <b>Sara</b>	5) MI:	6) Last Name: <b>Dutschke</b>	7) Suffix:
8) Title:			

### Contact Information

9) P.O. Box: <b>699</b>	And /Or	10) Street Address:	
11) City: <b>Plymouth</b>		12) State: <b>CA</b>	13) Zip Code: <b>95669</b>
14) Telephone Number: <b>(209)245-5800</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Nashville Enterprse Miwok-Maidu-Nishinam Tribe</b>

### Contact Name

4) First Name: <b>Cosme</b>	5) MI:	6) Last Name: <b>Valdez</b>	7) Suffix:
8) Title: <b>Chairperson</b>			

### Contact Information

9) P.O. Box: <b>580986</b>	<b>And /Or</b>	10) Street Address:
11) City: <b>Elk Grove</b>	12) State: <b>CA</b>	13) Zip Code: <b>95758</b>
14) Telephone Number: <b>(916)429-8047</b>	15) Fax Number:	
16) E-mail Address:		
17) Preferred means of communication:		
<input type="checkbox"/> E-mail <input checked="" type="checkbox"/> Letter <input type="checkbox"/> Both		

### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Shingle Springs Band of Miwok Indians</b>

### Contact Name

4) First Name: <b>Regina</b>	5) MI:	6) Last Name: <b>Cuellar</b>	7) Suffix:
8) Title: <b>Chairperson</b>			

### Contact Information

9) P.O. Box: <b>1340</b>	And /Or	10) Street Address:	
11) City: <b>Shingle Springs</b>		12) State: <b>CA</b>	13) Zip Code: <b>95682</b>
14) Telephone Number: <b>(530)387-4970</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Tsi Akim Maidu</b>

### Contact Name

4) First Name: <b>Grayson</b>	5) MI:	6) Last Name: <b>Coney</b>	7) Suffix:
8) Title: <b>Cultural Director</b>			

### Contact Information

9) P.O. Box: <b>510</b>	And /Or	10) Street Address:	
11) City: <b>Browns Valley</b>		12) State: <b>CA</b>	13) Zip Code: <b>95918</b>
14) Telephone Number: <b>(530)274-7497</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>Tsi Akim Maidu</b>

### Contact Name

4) First Name: <b>Don</b>	5) MI:	6) Last Name: <b>Ryberg</b>	7) Suffix:
8) Title: <b>Chairperson</b>			

### Contact Information

9) P.O. Box: <b>510</b>	And /Or	10) Street Address:	
11) City: <b>Browns Valley</b>		12) State: <b>CA</b>	13) Zip Code: <b>95918</b>
14) Telephone Number: <b>(530)383-7234</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Other Consulting Parties

### Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	( <input checked="" type="checkbox"/> ) <u>Y</u> es (    ) <u>N</u> o
--	---

### Consulting Party

2) FCC Registration Number (FRN):
3) Name: <b>United Auburn Indian Community of the Auburn Rancheria</b>

### Contact Name

4) First Name: <b>Gene</b>	5) MI:	6) Last Name: <b>Whitehouse</b>	7) Suffix:
8) Title: <b>Chairperson</b>			

### Contact Information

9) P.O. Box:	And /Or	10) Street Address: <b>10720 Indian Hill Road</b>	
11) City: <b>Auburn</b>		12) State: <b>CA</b>	13) Zip Code: <b>95603</b>
14) Telephone Number: <b>(530)883-2390</b>		15) Fax Number:	
16) E-mail Address:			
17) Preferred means of communication: (    ) E-mail ( <input checked="" type="checkbox"/> ) Letter (    ) Both			

### Dates & Response

18) Date Contacted <b>07/22/2019</b>	19) Date Replied _____
( <input checked="" type="checkbox"/> ) No Reply	
(    ) Replied/No Interest	
(    ) Replied/Have Interest	
(    ) Replied/Other	

### Additional Information

20) Information on other consulting parties' role or interest (optional):
---

## Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

### SHPO/THPO

Name: **California Office of Historic Preservation**

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: \_\_\_\_\_

SHPO/THPO Name: \_\_\_\_\_

SHPO/THPO Name: \_\_\_\_\_

### Certification

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

#### Party Authorized to Sign

First Name: **Stephen**

MI: **T**

Last Name: **Geist**

Suffix: \_\_\_\_\_

Signature: **Stephen T Geist**

Date: **07/25/2019**

**FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.**

**WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).**

**Attachments :**

Type	Description	Date Entered
Resumes/Vitae	<a href="#">Attachment 1 Consultant Information</a>	07/25/2019
Photographs	<a href="#">Attachment 2 Site Information Photographs</a>	07/25/2019
Map Documents	<a href="#">Attachment 3 Site Information Map Requirements</a>	07/25/2019
Additional Site Information	<a href="#">Attachment 4 Site Information Additional Site Information</a>	07/25/2019
Area of Potential Effects	<a href="#">Attachment 5 Area of Potential Effects</a>	07/25/2019
Tribal/NHO Involvement	<a href="#">Attachment 6 Tribal and NHO Involvement</a>	07/25/2019
Historic Properties for Direct Effects	<a href="#">Attachment 7 Historic Properties Direct Effects</a>	07/25/2019
Historic Properties for Visual Effects	<a href="#">Attachment 8 Historic Properties Visual Effects</a>	07/25/2019
Local Government Involvement	<a href="#">Attachment 9 Local Government</a>	07/25/2019
Public Involvement	<a href="#">Attachment 10 Other Consulting Parties and Public Notice</a>	07/25/2019
State-Specific Forms	<a href="#">Attachment 11 SHPO Specific Forms</a>	07/25/2019

## NT SUBMISSION PACKET -- FCC FORM 620

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

### ***Attachment 1. Consultant Information***

*Provide a current copy of the résumé or curriculum vitae for the Principal Investigator and any researcher or other person who contributed to, reviewed, or provided significant input into the research, analysis, writing or conclusions presented in this filing.*

#### **GE<sup>2</sup>G Response:**

The Principal Investigator's résumé who provided significant input into the research, analysis, writing and conclusions presented in the Submission Packet for this proposed facility is attached. The Principal Investigator oversaw the assessment of effect for historic and archeological properties within the APE for direct effects. The Principal Investigator has significant experience with historical assessment and her firm maintains qualified architectural historians who assessed the effect for Historic Properties within the APE for direct and visual effects. The Principal Investigator's résumé and preparer's résumé of this Submission Packet are each attached.

Applicant's Name: Horizon Tower, LLC

Project Name: Bavarian Hills

Project Number: CA4075

FCC Form 620

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## **CAROLYN LOSEE, RPA**

Owner and operator of Archaeological Resources Technology (a Woman Business Enterprise), Ms. Losee has over 23 years of experience on environmental field and laboratory projects in California and Hawaii as director of cultural resources research tasks, surveys, and test/data recovery projects in a variety of settings. Associated responsibilities include project planning and management, contract negotiation, personnel hiring and supervision, and preparation of draft and final reports. Qualifications include knowledge of NEPA, CEQA, NHPA (Section 106 compliance), and numerous other federal, state and local laws and regulations mandating environmental assessment. Project Manager for multidisciplinary studies for both comprehensive environmental assessments and cultural resources, with responsibilities such as editing reports, scheduling and coordinating project assignments, recording and analyzing sites, forming mitigation recommendations, preparing proposals, and contributing to quality control, illustration, and photography.

### **SELECTED EXPERIENCE**

- Directed archival and field investigations for over 1,000 telecommunications projects throughout Northern and Central California. Tasks included records searches and research at Information Centers, libraries, historical associations, museums, and personal interviews. Recorded all buildings and sites 45 years and older. Evaluated each site, building, structure, or isolate using National Register of Historic Places criteria. Provided expert analysis and recommendations regarding the treatment of significant sites.
- Acting as Cultural Resources Principal Investigator for numerous projects related to the reconstruction of the San Francisco Bay Area water supply sponsored by the City of San Francisco Public Utilities District, including Bay Division Pipelines, Calaveras Dam Replacement, Hetch Hetchy Telecom Microwave Replacement, and San Andreas Pipeline.
- Acted as Senior Archaeologist for the Placer County Cultural Resources Inventory of Selected Unincorporated Regions. Participated in the analysis of existing records and literature search on known archaeological sites and survey, recordation, and evaluation of historic resources in approximately 150,000 acres. Participated in the recordation, including architectural analysis, drawing and photography, of over 500 historic and prehistoric sites.
- For the University of California at Berkeley, acted as Unit Supervisor at Tel Dor, Israel. Staff supervisor of one section of a large, multi-year and multi-layer excavation of an 8,000-year-old coastal city site in northern Israel. Responsibilities included training, assigning, and scheduling staff, horizontal and vertical unit control with mapping, and artifact preservation and analysis.

### **EDUCATION**

MA, Cultural Anthropology/Archaeology, San Francisco State University  
BA, Environmental Studies/Culture Ecology, University of California at Santa Cruz  
Intensive Lithics Analysis & Historical Architecture Certificates, University of Nevada at Reno  
Graduate Award of Achievement, Renaissance Entrepreneurship Program, San Francisco

### **PROFESSIONAL AFFILIATIONS/CERTIFICATIONS**

Register of Professional Archaeologists, 1999	Society for California Archaeology, 1990
Society of Professional Archaeologists, 1995	Society for Historical Archaeology, 1995
American Cultural Resources Association, 2004	Society for American Archaeology, 1990



**Stephen T. Geist, RG, *President***

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## **SUMMARY OF EXPERIENCE**

Mr. Geist has over 25 years of consulting experience with environmental due diligence for real estate transactions, property condition assessments (PCAs), telecommunication NEPA and ASTM environmental reviews, environmental insurance coverage, construction oversight, radio frequency assessments, and mining exploration fields. He has successfully completed thousands of project assignments including environmental site assessments, subsurface environmental investigations, site characterizations, UST removals, lead based paint, asbestos assessments, mold assessments, indoor vapor investigations, national real estate portfolio due diligence transactions, environmentally impaired building demolition planning, construction management, regulatory permitting, re-licensing, risk assessments, and Natural Resources Defense Assessments (NRDA). Mr. Geist has completed environmental investigations extensively with heavy industrial and mining properties. Mr. Geist has worked with several of the major telecommunication carriers, corporate environmental officers, insurance companies, legal counsel, investment companies, and real estate brokers throughout the United States and Canada.

At Geist Engineering and Environmental Group ("GE<sup>2</sup>G"), Mr. Geist specializes in managing environmental project teams that include pre-construction environmental assessments, pre-demolition assessments, and site development.

## **RELEVANT PROJECT EXPERIENCE**

**Various Property Owners and Financial Institutions, Nationwide.** Responsible for sales, client interaction, proposal preparation and quality assurance of reports as well as, the timely completion of Phase I Environmental Site Assessments (ESAs) and property condition assessments (PCAs). Mr. Geist has completed ESAs for heavy industrial steel mills, large manufacturing factories, mines, cement factories, commercial buildings, and large residential developments throughout the United States and Canada. This work has included historic site research, delineation of contaminated media, risk management, development of remediation strategies and serving as the liaison between clients, contractors and regulatory agencies. Clients have included Prudential, Wells Fargo, General Electric, AIG, Union Bank, Comerica, and Capital Source.

**Telecommunication Consulting; Nationwide.** Provide management services to insure compliance with FCC/National Environmental Policy Act regulations, for the wireless telecommunication industry (American Tower, AT&T, Cingular Wireless, Cricket, Sprint, T-Mobile, and Verizon). Mr. Geist and overseen the completion of thousands of NEPA assessments throughout the United States. Additionally, Mr. Geist has overseen hundreds of OSHA radio frequency assessments for pre and post antenna construction activities.

**Assessment and Remediation Oversight; Emeryville, CA.** Managed the demolition of a historical industrial plating building with significant chromium and other metal impacts to the building materials and subsurface. The building was located within a mixed-use residential area of Emeryville. Management activities included working with city officials, demolition contractors, and surrounding businesses and residences. Worked on securing the foundation to containerize identified subsurface impacts so that the location could be redeveloped into office space while maintaining the building's historical façade.

**Residential Apartment Building, UST removals; Philadelphia, PA.** Directed work on the foundation and retaining wall for UST removal work located at the base of residential high-rise towers. At the request of the client, Mr. Geist moved on-site to act on behalf of the owner during excavation

**Stephen T. Geist, RG, *President***

activities, parking garage closures, concrete pumping, and street construction work. Supervision of five underground storage tank removals and impacted soil within a 30-day time frame.

**LandBank and Catellus, Oil Refinery Demolition; Hercules, CA.** Completed oversight on a remediation development project conducted at a former Gulf Oil Refinery. The refinery was decommissioned and demolished. The soil and groundwater were remediated under regulatory oversight. A comprehensive risk assessment was performed to allow for residential development on the former refinery property.

**Aboveground Storage Tank Installations, Multiple locations in Florida.** Supervising manager for the removal of several underground storage tanks throughout the state. After the UST removals activities included the installation of double wall aboveground storage tanks for fuel storage.

**Insurance Consulting, Inez, KY.** Management leader for a 2.5-billion gallon release from a coal mine slurry dam. Oversaw cleanup activities to minimize impacts to effected communities. Provided information to the impacted community of the cleanup objectives. Worked with various State environmental departments, Coast Guard, and Army Reserves to achieve a rapid deployment of personnel and equipment to respond to the release.

**Oyster Bay Landfill, Oakland, CA.** Supervising geologist for a stability feasibility study at a landfill with leachate discharge to the San Francisco Bay and Oakland International Airport.

**Construction Oversight, Phoenix, Arizona.** Conducted surety consulting on a hotel construction default. Within a narrow building completion time a new contractor vendor list was prepared to repair building structural deficiencies and begin the next phases of construction. Mr. Geist managed and negotiated with contractors to achieve a fair market value for completion of work.

**Education**

California State University Chico, B.S. in Geology, 1994

**Professional Affiliations**

Association of Engineering Geologist (AEG)

**Professional Registrations**

Registered Geologist (RG), State of Washington #2062

40 Hour Hazardous Waste Operations and Cal/OSHA applicable 8 Hour Refreshers

AHERA Building Inspector Refresher Courses per 40 CFR 763

Radio Frequency Site Safety Awareness Certification, United States OSHA

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### Attachment 2. Site Information – Photographs

You are required to provide photographs and maps as part of this filing. Additional site information can be provided in an optional attachment.

#### Photograph Requirements:

Except in cases where no Historic Properties were identified within the Areas of Potential Effects, submit photographs as described below. Photographs should be in color, marked so as to identify the project, keyed to the relevant map or text, and dated; the focal length of the lens and the height of the camera should be noted. The source of any photograph included but not taken by the Applicant or its consultant (including copies of historic images) should be identified on the photograph.

- a. Photographs taken from the site should show views from the proposed location in all directions. The direction (e.g., north, south, etc.) should be indicated on each photograph, and, as a group, the photographs should present a complete (360 degree) view of the area around the communications tower or non-tower structure.
- b. Photographs of all listed and eligible properties within the Areas of Potential Effects.
- c. If any listed or eligible properties are visible from the proposed collocation site, photographs looking at the site from each historic property. The approximate distance in feet (meters) between the site and the historic property should be included. If any listed or eligible properties are within the APE, photos looking at each historic property should be included.

**Include aerial photos of the APE for visual effects, if available. There are a variety of publicly available websites that provide aerial photographs.**

Please see the attached Photographs. The pictures were taken by GE<sup>2</sup>G on May 26, 2019. Color photographs are included in the attachment within this Section and the ART report which was completed in November of 2018 and Revised in July of 2019). Additional pictures are within the ART report in Section 7.

Historical Aerial Photographs are included from 1948, 1954, 1966, 1975, 1978, 1993, 1998, 2006, 2012 and 2018.

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1. View west of the Subject Property ground lease area.



2. View northwest from the Site Parcel Vineyard towards the Subject Property ground lease area.



3. View east from the ground lease area towards the proposed access route in the forest area.



4. View west towards the Subject Property ground lease area.



5. View west towards the Subject Property ground lease area and access route in the forest area of the Site Parcel.



6. View of the cleared and woodchip forest area in the vicinity of the Subject Property ground lease area.

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7. View northwest of the access road and power route to be improved in the forest area.



8. View northeast of the access road and power route to be improved.



9. View west of the access road and power route to be improved.



10. View east of the vineyard located to the south of the Subject Property ground lease area.



11. View east of the access road and power route to be improved.



12. View northwest of the access road and power route to be improved.

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13. View northwest of the access road and power route to be improved through the existing gate.



14. View of the power route and the rear transformer from the access road.



15. View of the power route and the rear transformer from the access road.



16. View east of the access road and power route to be improved.



17. View of the forested area northeast of the Subject Property ground lease area (recently cleared dead trees).



18. View northwest of the access road and power route to be improved in the forest area.

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19. View northeast along the existing asphalt driveway.



20. View along the forest area of the access route, new power route, and new gate.



21. View north of the adjacent cleared and thinned forest.



22. View of the herbicide and pesticide shed located east of the asphalt driveway.



23. View east of the barn located east of the Asphalt driveway.





24. View of the Site Parcel winery sign for Madrona Vineyard and winery.

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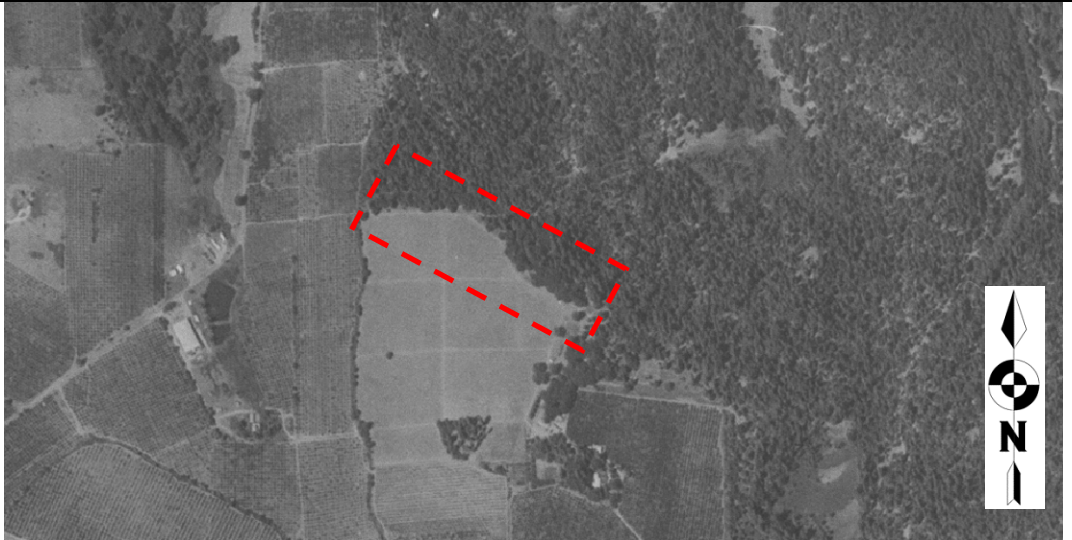
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<p><b>1948 Aerial</b></p> <p><b>Box represents the Subject Property area (USGS)</b></p>	
<p><b>1954 Aerial</b></p> <p><b>Box represents the Subject Property area (USGS)</b></p>	

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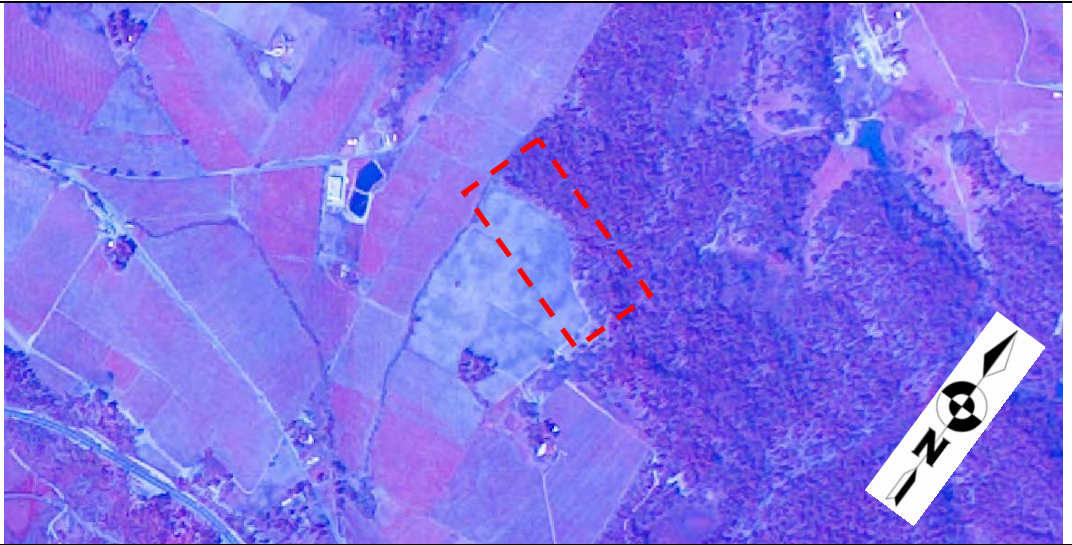

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<p><b>1966 Aerial</b></p> <p><b>Box represents the Subject Property area (USGS)</b></p>	
<p><b>1975 Aerial</b></p> <p><b>Box represents the Subject Property area (USGS)</b></p>	

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<p><b>1978 Aerial</b></p> <p><b>Box represents the Subject Property area (USGS)</b></p>	 A false-color aerial photograph from 1978. The landscape is a mix of agricultural fields and wooded areas. A red dashed line outlines a specific subject property area in the center-right. A north arrow is located in the bottom right corner, pointing towards the top right.
<p><b>1993 Aerial</b></p> <p><b>Box represents the Subject Property area (Google)</b></p>	 A black and white aerial photograph from 1993. The landscape shows a similar pattern of fields and woods as the 1978 image. A red dashed line outlines the same subject property area. A north arrow is located in the bottom right corner, pointing towards the top.

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<p><b>1998 Aerial</b></p> <p><b>Box represents the Subject Property area (Google)</b></p>	
<p><b>2006 Aerial</b></p> <p><b>Box represents the Subject Property area (Google)</b></p>	

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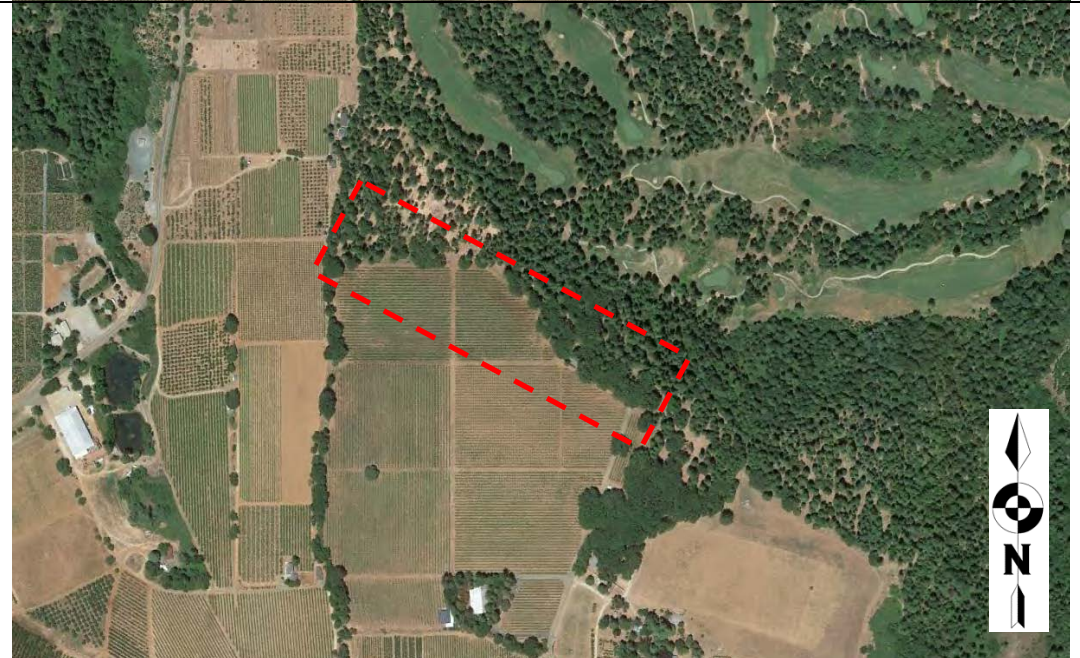
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<p><b>2012 Aerial</b></p> <p><b>Box represents the Subject Property area (Google)</b></p>	
<p><b>2018 Aerial</b></p> <p><b>Box represents the Subject Property area (Google)</b></p>	

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**Attachment 3. Site Information - Map Requirements**

***Include one or more 7.5-minute quad USGS topographical maps that:***

- a. Identify the Areas of Potential Effects for both Direct and Visual Effects. If a map is copied from the original, include a key with name of quad and date.*
- b. Show the location of the proposed collocation site and any new access roads or other easements including excavations.*
- c. Show the locations of each property listed.*
- d. Include keys for any symbols, colors, or other identifiers.*
- e. Submit color maps whenever possible.*

**GE<sup>2</sup>G Response:**

The following GE<sup>2</sup>G maps are attached to this report:  
Topographic Map (Figure 1)  
Street Map (Figure 2)  
Drawings with Improvement Details Added (Figure 3)  
Aerial Site Map (Figure 4)

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Figure 1: USGS Topographic Map Camino CA (lower map) and Slate Mountain (upper map) 1973  
Subject Property: CA4075 (source USGS)

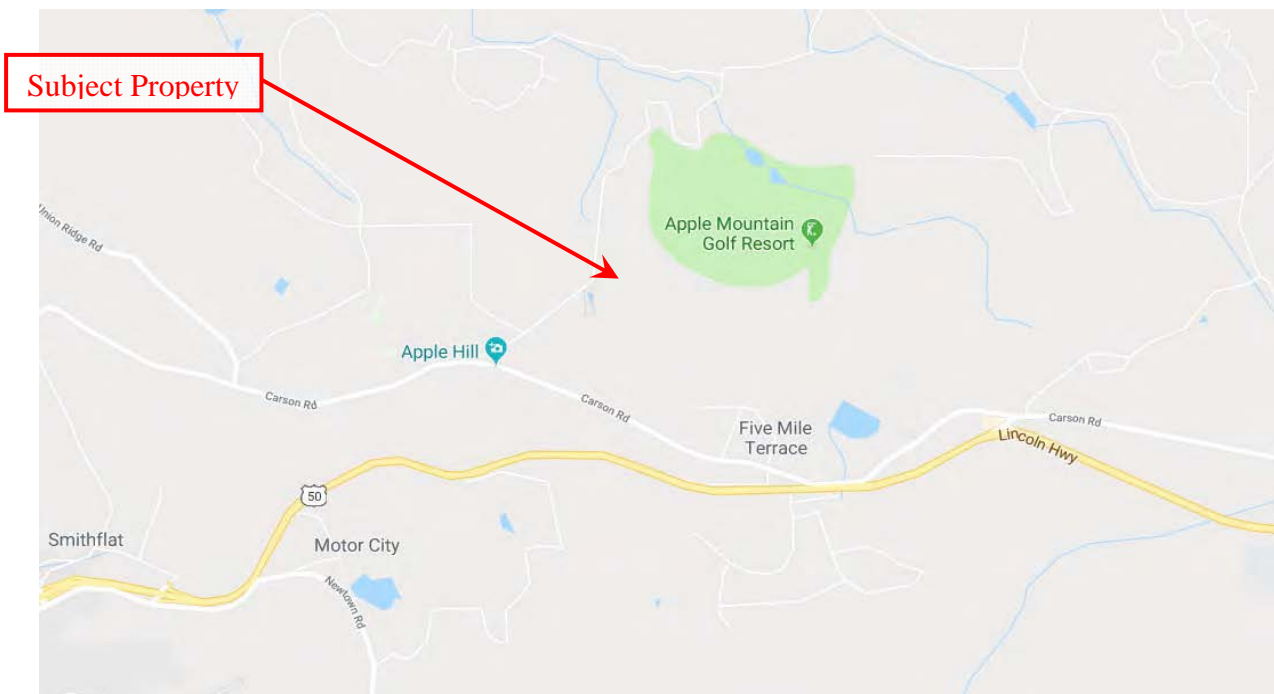
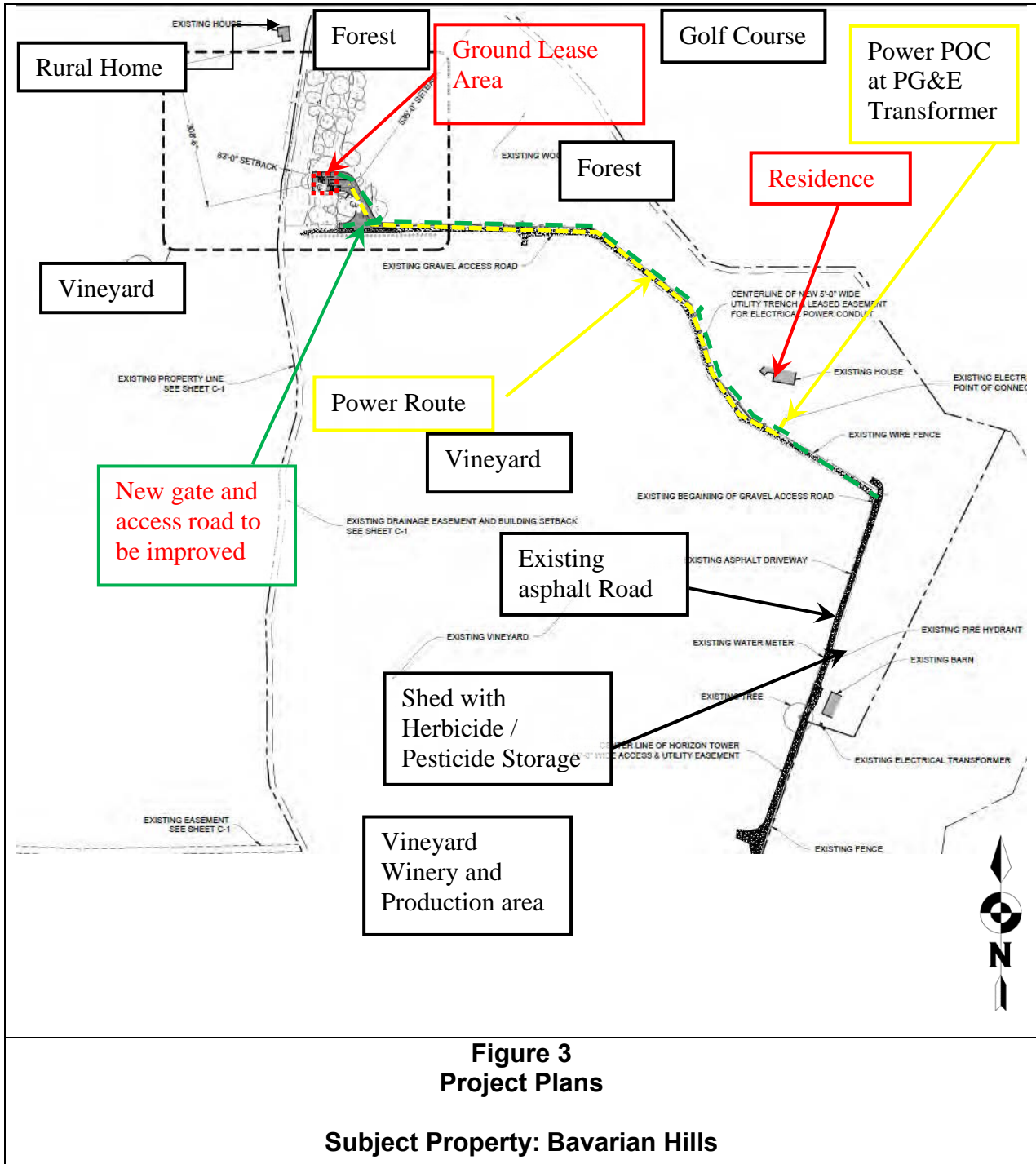


Figure 2: Street Map Subject Property: CA4075 (Source Google Maps)

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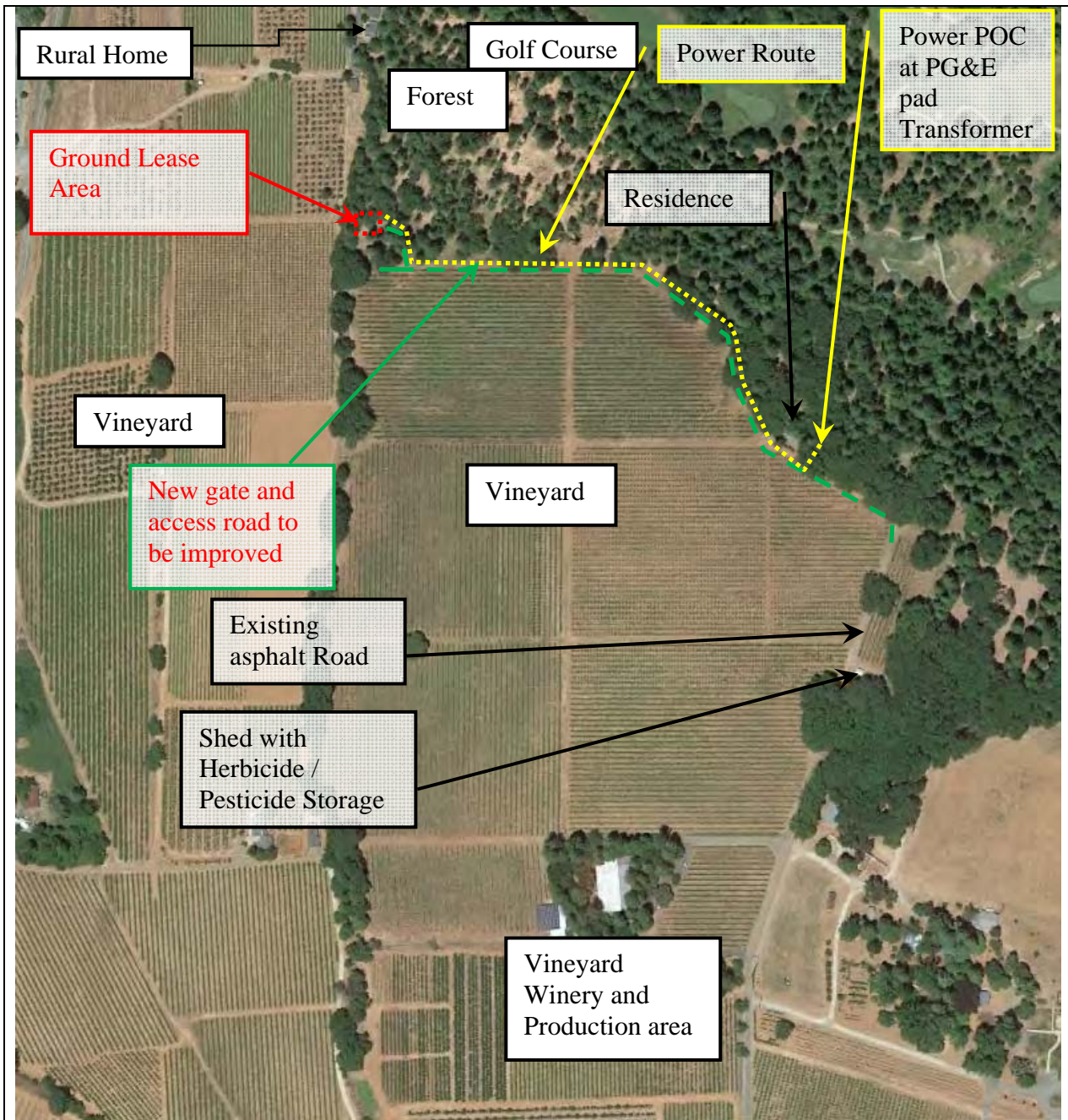
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**Figure 4**  
**Site Map**  
**Subject Property: Bavarian Hills**  
(Source Google Earth)



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#### **Attachment 4. Site Information – Additional Site Information**

##### **Additional Site Information Recommendations:**

*Describe any additional structures, access roads, utility lines, fences, easements, or other construction planned for the site in conjunction with the proposed collocation and related facilities. Use this attachment to provide additional details needed to provide a full and accurate description of any structural alterations, additions, or other construction activities that will take place to complete the collocation.*

##### **GE<sup>2</sup>G Response:**

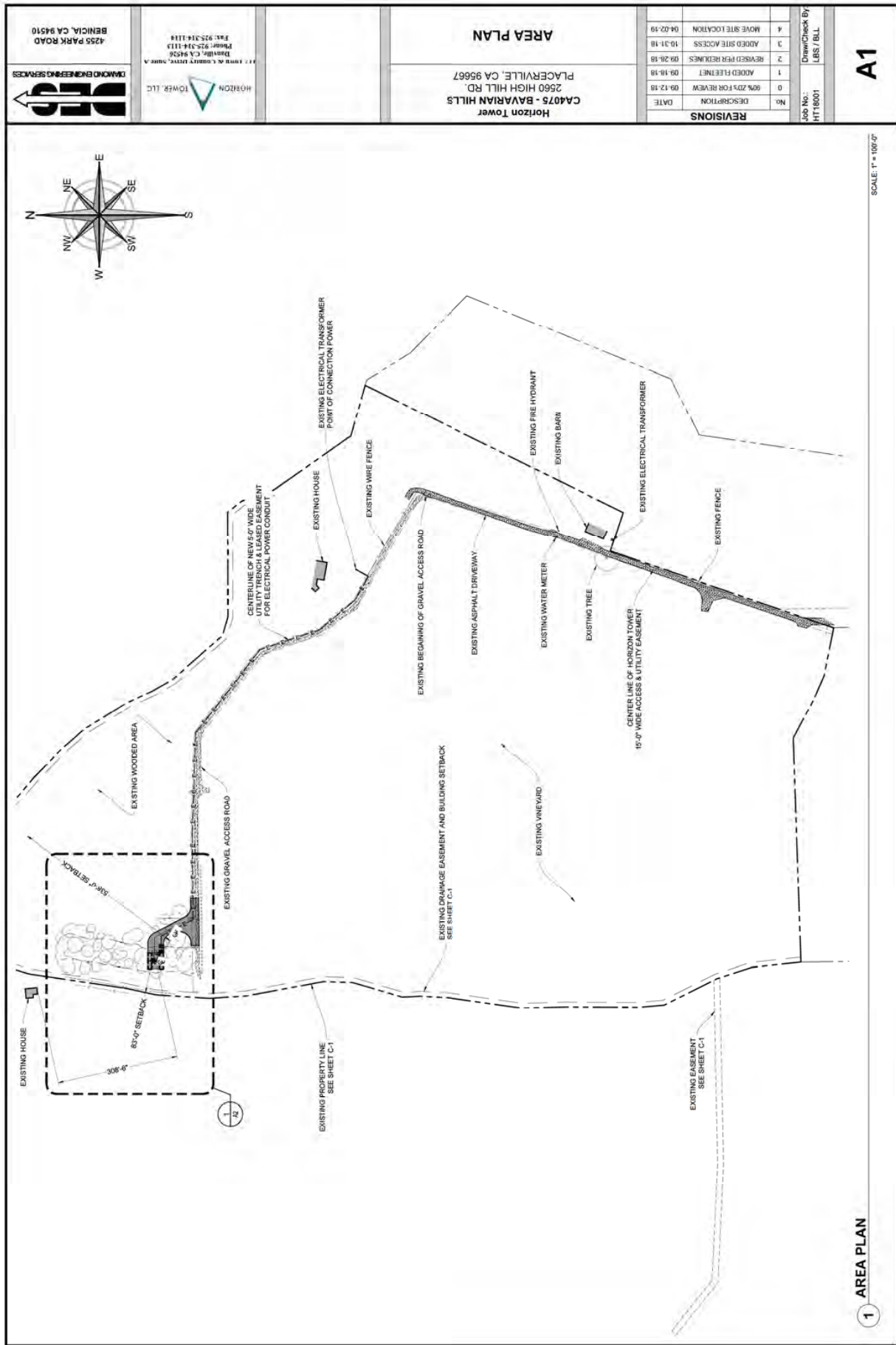
The Site Parcel is developed with Madrona Vineyards and Madrona winery with a residential house present. The Site Parcel is located north of High Hill Road and north of Highway 50. According to the El Dorado Assessor's Office the Site Parcel consists of 54.06-acres and is identified as Parcel Number (APN) 048-090-04-100. The residence was reportedly constructed in early 1970s. The current vineyard was planted in 1972 through 1973.

For this undertaking Horizon Tower, LLC has proposed to build a 125-foot tall monopole tower that will be designed to hold a minimum of four telecommunications entities. The monopole tower will be concealed as a tree. Horizon Tower will install new equipment within a new proposed 40-foot by 40-foot fenced lease area. Ground disturbance, for utility trenching and grading, will be completed as a part of this project.

Included in this attachment

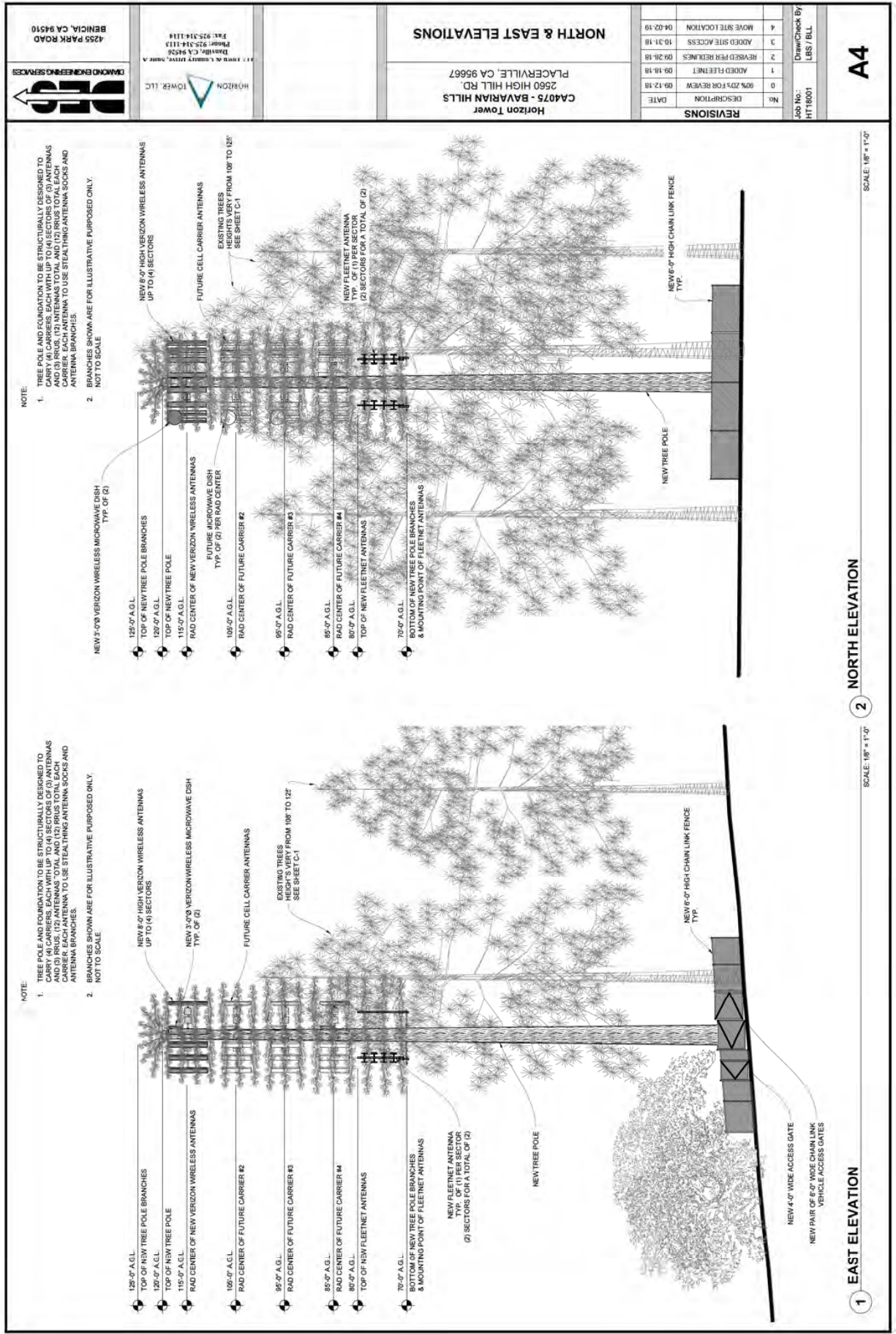
- 1) Drawings

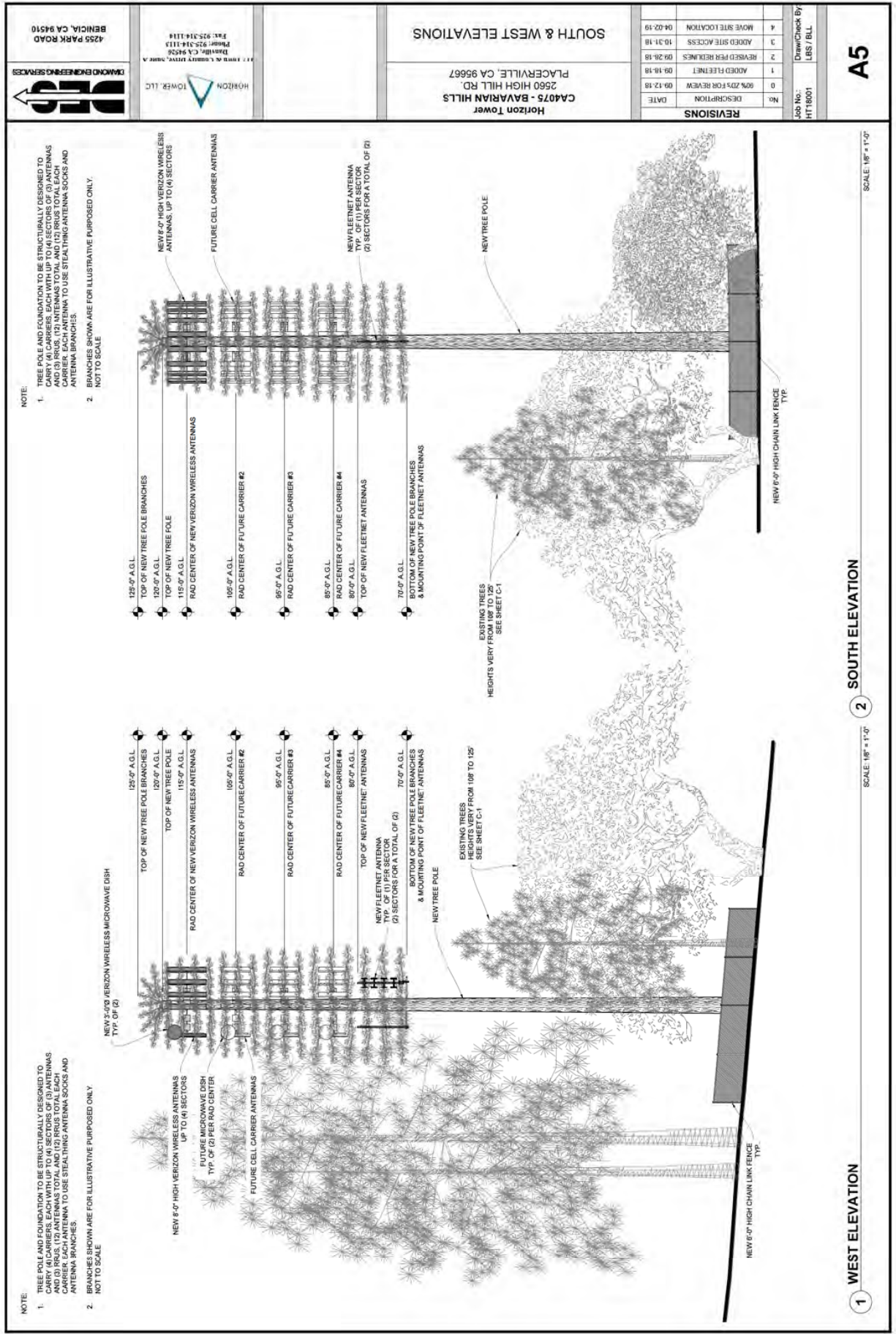












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### Attachment 5. Area of Potential Effects

You are required to provide two attachments regarding the Determination of Effect: Areas of Potential Effect and Mitigation of Effect (if applicable).

#### Areas of Potential Effect Guidelines:

**a. Describe the APE for direct effects and explain how this APE was determined.**

**GE<sup>2</sup>G Response:**

The APE for direct effects is limited to the area of potential ground disturbance and any property, or any portion thereof that will be physically altered or destroyed by the Undertaking. On November 24, 2008, the FCC further clarified that the APE-Direct Effects is limited to the proposed lease area including the access route and utility corridor.

Ms. Carolyn Losee, RPA with Archaeological Resources Technology (ART) oversaw the study and determined that the APE for direct effects is comprised of the ground lease area and utility trench. The Subject Property proposed structure is safely under a height of 200 feet.

**b. Describe the APE for visual effects and explain how this APE was determined.**

**GE<sup>2</sup>G Response:**

The APE for visual effects is the geographic area in which the Undertaking has the potential to introduce visual elements that diminish or alter the setting, including the landscape, where the setting is a character-defining feature of a historic property that makes it eligible for listing on the National Register. The presumed APE for visual effects for construction of new facilities is the area from which the tower will be visible: *a.* Within a half mile from the tower site if the proposed Tower is 200 feet or less in overall height; *b.* Within  $\frac{3}{4}$  of a mile from the tower site if the proposed Tower is more than 200 but no more than 400 feet in overall height; or within  $1\frac{1}{2}$  miles from the proposed tower site if the proposed Tower is more than 400 feet in overall height.

Since the project is less than 200 feet high, and based upon stipulations of the 2004 FCC Programmatic Agreement, ART used a  $\frac{1}{2}$  -mile radius to define the indirect APE. The visual APE was determined by looking at the engineering drawings and during the foot reconnaissance for the project.

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**Mitigation of Effect Guidelines:**

**In the case where an Adverse Visual Effect or Adverse Direct Effect has been determined you must provide the following:**

- a. Copies of any correspondence and summaries of any oral communications with the SHPO/THPO and any consulting parties.**

**GE<sup>2</sup>G Response:**

As of the date of this Submittal Package, GE<sup>2</sup>G has not received comments from Indian Tribes, NHOs, CA SHPO, THPO, Local governments, or members of the public that identify Historic Properties in the APE for visual effects.

At the time of this current Submittal Package none of the identified TCNS Tribes have expressed an interest in Native American monitoring or made other requests with the proposed Horizon Tower, LLC undertaking with the exception of the United Auburn Indian Community who has requested a Native American monitor be present for execution oversight.

- b. Describe any alternatives that have been considered that might avoid, minimize, or mitigate any adverse effects. Explain the Applicant's conclusion regarding the feasibility of each alternative.**

**GE<sup>2</sup>G Response:**

No adverse effects are expected as a result of the proposed facility; therefore alternatives that might avoid, minimize, or mitigate any adverse effects need not be considered.

**For each property identified as a Historic Property in the online e-106 form:**

**Indicate whether the Applicant believes the proposed undertaking would have a) no effect; b) no adverse effect; or, c) an adverse effect. Explain how each such assessment was made. Provide supporting documentation where necessary.**

**GE<sup>2</sup>G Response:**

Results of the records search were negative: there are no known prehistoric or NRHP-eligible historic resources within the project area.

Based upon information available at the NCIC and the previous field investigation results, ART's findings are "No Historic Properties in the Direct and Indirect Areas of Potential Effects".

We request your concurrence with this determination.

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## Attachment 6. Tribal and NHO Involvement

**At an early stage in the planning process, the Nationwide Agreement requires the Applicant to gather information from appropriate Indian Tribes or Native Hawaiian Organizations (“NHOs”) to assist in the identification of Historic Properties of religious and cultural significance to them. Describe measures taken to identify Indian tribes and NHOs that may attach religious and cultural significance to Historic Properties that may be affected by the collocation within the Areas of Potential Effects (“APE”) for direct and visual effects. If such Indian tribes or NHOs were identified, list them and provide a summary of contacts by either the FCC, the Applicant, or the Applicant’s representative. Provide copies of relevant documents, including correspondence. If no such Indian tribes or NHOs were identified, please explain.**

### GE<sup>2</sup>G Response:

GE<sup>2</sup>G directly requested a Tower Construction Notification System (TCNS) request on November 6, 2018, through the FCC Wireless Telecommunications Bureau. The GE<sup>2</sup>G TCNS request was formally initiated by the FCC on November 16, 2018. The received TCNS Notification # 180197 email lists the federal Tribes identified through the FCC TCNS process. As requested by the Tribes, GE<sup>2</sup>G has provided backup information where requested. At the time of this current Submittal Package none of the identified TCNS Tribes have expressed an interest in Native American monitoring or made other requests with the proposed Horizon Tower, LLC undertaking with the exception of the United Auburn Indian Community who has requested a Native American monitor be present for execration oversight.

#	Tribal Name	TCNS Day 1	Response to Initial Contact	SECOND CONTACT ATTEMPT	Response to Second Attempt	THIRD CONTACT ATTEMPT	Response to Third Attempt	Action Recommended
Native American Federally Recognized Tribes contacted the FCC								
1	Eastern Shoshone Tribe	11/16/18	Summary and backup requested by tribe via email and mail	Automated website delivery of requested info sent 7/22/19	N/A	In August this tribe will be escalated by the FCC and the tribe will have 20 days to respond	N/A	Pending Response
2	Los Coyotes Reservation	11/16/18	No interest if no response in 30 days (TCNS Exclusion) *1	N/A	N/A	N/A	N/A	No Immediate Further Action

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#	Tribe Name	TCNS Day 1	Response to Initial Contact	SECOND CONTACT ATTEMPT	Response to Second Attempt	THIRD CONTACT ATTEMPT	Response to Third Attempt	Action Recommended
3	Washoe Tribe of Nevada & CA	11/16/18	No interest if no response in 30 days (TCNS Exclusion) *2	N/A	N/A	N/A	N/A	No Immediate Further Action
4	Skull Valley Band of Goshute Indians	11/16/18	Summary and backup requested by tribe via email and mail	Mail and Email delivery of requested info sent 7/22/19	N/A	In August this tribe will be escalated by the FCC and the tribe will have 20 days to respond	N/A	Pending Response
5	Northwestern Band of Shoshone Nation	11/16/18	Summary and backup requested by tribe via email and mail	Mail and Email delivery of requested info sent 7/22/19	N/A	In August this tribe will be escalated by the FCC and the tribe will have 20 days to respond	N/A	Pending Response
6	United Auburn Indian Community	11/16/18	On 12/6/18 – The United Auburn Indian Community requested that a monitor be present for excavation.	N/A	N/A	N/A	N/A	Native American Monitor Requested for excavation Oversight
7	Ione Band of Miwok Indians	11/16/18	Summary and backup requested by tribe via email and mail	Mail and Email delivery of requested info sent 7/22/19	N/A	In August this tribe will be escalated by the FCC and the tribe will have 20 days to respond	N/A	Pending Response
8	Shingle Springs Rancheria	11/16/18	No Interest email received December 6, 2018 *3	N/A	N/A	N/A	N/A	No Immediate Further Action

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# NT SUBMISSION PACKET -- FCC FORM 620

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

#	Tribe Name	TCNS Day 1	Response to Initial Contact	SECOND CONTACT ATTEMPT	Response to Second Attempt	THIRD CONTACT ATTEMPT	Response to Third Attempt	Action Recommended
9	Wilton Rancheria	11/16/18	Summary and backup requested by tribe via email and mail	Mail and Email delivery of requested info sent 7/22/19	N/A	In August this tribe will be escalated by the FCC and the tribe will have 20 days to respond	N/A	<b>Pending Response</b>

*\*1 If the Applicant receives no response from the Los Coyotes Reservation within 30 days after notification through TCNS, the Los Coyotes Band of Indians has no interest in participating in pre-construction review for the proposed site. The Applicant, however, must immediately notify the Los Coyotes Band of Indians in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.*

*\*2 If the Applicant receives no response from the Washoe Tribe of Nevada & CA within 30 days after notification through TCNS, Washoe Tribe of Nevada & CA has no interest in participating in pre-construction review for the proposed site. The Applicant, however, must immediately notify the Washoe Tribe of Nevada & CA in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.*

*\*3 We have no interest in this site. However, if the Applicant discovers archaeological remains or resources during construction, the Applicant should immediately stop construction and notify the appropriate Federal Agency and the Tribe.*

GE<sup>2</sup>G additionally contacted the California State based Native American Heritage Commission (NAHC) to have a sacred land file search completed for State of California recognized tribes. The NAHC outreach and response is detailed in Section 10 of this Submittal Package.

The TCNS "Day 1 Letter" Notification Of Organization (NOO) is attached.

Applicant's Name: Horizon Tower, LLC  
Project Name: Bavarian Hills  
Project Number: CA4075  
FCC Form 620

## Steve Geist

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, November 16, 2018 12:02 AM  
**To:** sgeist@geistenvironmental.com  
**Cc:** tcnsweekly@fcc.gov  
**Subject:** NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #6092739

Dear Applicant:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the notification that you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter). We note that the review period for all parties begins upon receipt of the Submission Packet pursuant to Section VII.A of the NPA and notifications that do not provide this serve as information only.

Persons who have received the notification that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribal Nations"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribal Nations and NHOs and in making further contacts, the City and State of the Seat of Government for each Tribal Nation and NHO, as well as the designated contact person, is included in the listing below. We note that Tribal Nations may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribal Nations and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribal Nation or NHO. (NPA, Section IV.F.4).

The notification that you provided was forwarded to the following Tribal Nations and NHOs. A Tribal Nation or NHO may not respond until a full Submission Packet is provided. If, upon receipt, the Tribal Nation or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribal Nation or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event a Tribal Nation or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribal Nation or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Second Report and Order released on March 30, 2018 (FCC 18-30).

1. THPO Josh Mann - Eastern Shoshone Tribe - (PO Box: 538) Fort Washakie, WY - jmann@easternshoshone.org; falene.russette@iresponse106.com - 307-438-0094 - electronic mail and regular mail  
Exclusions: The ancestors of the Eastern Shoshone Tribe lived a long and storied history across several states on their westward journey from the Western area to present-day Wyoming. This journey, confirmed by tribal oral history,

ethnographies, and archaeological evidence, took place over multiple generations and through the present-day states of North Dakota, South Dakota, Nebraska, Kansas, Colorado, Wyoming, Montana, Idaho, Washington, Oregon, California, Utah, Nevada, Arizona, New Mexico and Texas. Significant historical resources throughout this region include major sacred sites including burial sites, occupation areas, medicinal plant and resource collection areas, and other significant traditional cultural properties (TCPs). Therefore, based on the location of your proposed project, the Eastern Shoshone Tribe does have an interest in this proposed project and are requesting to be consulted on this proposed project as required by the mandates expressed in 36 CFR 800, EO 13175, and the FCC National Programmatic Agreement as traditionally associated peoples (TAPs) and a sovereign nation with legal responsibility for heritage preservation on ancestral homelands. Please utilize the online Tribal 106 processing system to submit your project details, at <http://iresponse106.com>.

2. THPO Darrel Cruz - Washoe Tribe of Nevada & California - 919 Highway 395 South Gardnerville, NV - [darrel.cruz@washoetribe.us](mailto:darrel.cruz@washoetribe.us) - 775-546-3421 - electronic mail

If the applicant/tower builder receives no response from the Washoe Tribe of Nevada & California within 30 days after notification through TCNS, the Washoe Tribe of Nevada & California has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder,

however, must immediately notify the Washoe Tribe of Nevada & California in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

3. Attorney Montana & Associates LLC - Skull Valley Band of Goshute Indians - N12923 N Prairie Rd Osseo, WI - [skullvalleybandofgoshutefcctcns@outlook.com](mailto:skullvalleybandofgoshutefcctcns@outlook.com) - 605-881-1227 - electronic mail and regular mail

4. Attorney Montana & Associates LLC - Northwestern Band of Shoshone Nation - N 12923 N. Prairie Rd Osseo, WI - [Northwesternbandshoshonetcnsfcc@outlook.com](mailto:Northwesternbandshoshonetcnsfcc@outlook.com) - 605-881-1227 - electronic mail

5. Chairman Shane Chapparosa - Los Coyotes Reservation - (PO Box: 189) Warner Springs, CA - [los\\_coyotes@ymail.com](mailto:los_coyotes@ymail.com); [loscoyotes\\_ta@yahoo.com](mailto:loscoyotes_ta@yahoo.com) - 760-782-0711 - electronic mail and regular mail

If the applicant/tower builder receives no response from the Los Coyotes Reservation within 30 days after notification through TCNS, the Los Coyotes Reservation has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder,

however, must immediately notify the Los Coyotes Reservation in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

6. THPO Mathew Moore - United Auburn Indian Community - 10720 Indian Hill Road Auburn, CA -  
mmoore@auburnrancheria.com; mguerrero@auburnrancheria.com - 530-883-2320 - electronic mail and regular mail

7. Chairperson Sara Dutschke Setshwaelo - Ione Band of Miwok Indians - (PO Box: 699) Plymouth, CA -  
Sara@ionemiwok.net; Culturalcommittee@ionemiwok.net - 209-257-5800 - electronic mail and regular mail

8. THPO Daniel Fonseca - Shingle Springs Rancheria - (PO Box: 1340) Shingle Springs, CA - kperry@ssband.org -  
530-306-3069 - electronic mail and regular mail

9. Tribal Historic Preservation Officer Antonio Ruiz - Wilton Rancheria - 9728 Kent Street Elk Grove, CA -  
aruiz@wiltonrancheria-nsn.gov; tribaloffice@wiltonrancheria-nsn.gov - 916-683-6000 (ext: 2005) - electronic mail and  
regular mail

The notification that you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA unless the project is excluded from SHPO review under Section III D or E of the NPA.

10. Deputy SHPO William Collins - Arizona State Parks - 1300 West Washington Phoenix, AZ -  
wcollins@pr.state.az.us - 602-542-4174 - electronic mail

TCNS automatically forwards all notifications to all Tribal Nations and SHPOs that have an expressed interest in the geographic area of a proposal. However, if a proposal for PTC wayside poles falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribal Nation or SHPO. In addition, a particular Tribal Nation or SHPO may also set forth policies or procedures within its details box that exclude from review certain facilities (for example, a statement that it does not review collocations with no ground disturbance; or that indicates that no response within 30 days indicates no interest in participating in pre-construction review).

Please be advised that the FCC cannot guarantee that the contact(s) listed above have opened and reviewed an electronic or regular mail notification. If you learn that any of the above contact information is no longer valid, please contact the FCC by emailing tcnshelp@fcc.gov. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 11/06/2018

Notification ID: 180197

Excluded from SHPO Review: No

Tower Owner Individual or Entity Name: Horizon Tower, LLC

Consultant Name: Steve T Geist

Street Address: 4200 Park Boulevard #149

City: Oakland

State: CALIFORNIA

Zip Code: 94602

Phone: 510-238-8851

Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole

Latitude: 38 deg 44 min 57.3 sec N

Longitude: 120 deg 43 min 14.7 sec W

Location Description: 2560 High Hill Road

City: Placerville

State: CALIFORNIA

County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills

GE2G 311130

Ground Elevation: 870.5 meters

Support Structure: 36.6 meters above ground level

Overall Structure: 38.1 meters above ground level

Overall Height AMSL: 908.6 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic Help Request form located on the FCC's website at:

<https://www.fcc.gov/wireless/available-support-services>

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8:00 a.m. to 6:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,

Federal Communications Commission

## Steve Geist

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Tuesday, November 06, 2018 6:37 PM  
**To:** sgeist@geistenvironmental.com  
**Subject:** Proposed Tower Structure Info - Email ID #6082462

Dear Steve T Geist,

Thank you for submitting a notification regarding your proposed construction via the Tower Construction Notification System. Note that the system has assigned a unique Notification ID number for this proposed construction. You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the construction you have proposed:

Notification Received: 11/06/2018

Notification ID: 180197

Tower Owner Individual or Entity Name: Horizon Tower, LLC

Consultant Name: Steve T Geist

Street Address: 4200 Park Boulevard #149

City: Oakland

State: CALIFORNIA

Zip Code: 94602

Phone: 510-238-8851

Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole

Latitude: 38 deg 44 min 57.3 sec N

Longitude: 120 deg 43 min 14.7 sec W

Location Description: 2560 High Hill Road

City: Placerville

State: CALIFORNIA

County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills

GE2G 311130

Ground Elevation: 870.5 meters

Support Structure: 36.6 meters above ground level

Overall Structure: 38.1 meters above ground level

Overall Height AMSL: 908.6 meters above mean sea level

Project:

CA4075 / Placerville

 Edit (/consult/client/edit/27794)

Current Status	<u>EST: (Newly Uploaded)</u> NEW : Jul 22, 2019
Tribe	EST - 27794
Submitted By	Steve Geist
Submitted Date	Jul 22, 2019 6:24:47 PM
Client ID/TCNS	180197
Project Type	<u>FCC (FCC - Project with TCNS)</u>
Project Name	CA4075 / Placerville
Proposed Date	September 2019
Government Agencies	FCC
Land Ownership	Private
Location	Township 10N, Range 11E, Section 1
Lat/Long	38.74925, -120.72075 ( <a href="http://maps.google.com/maps?q=38.74925,-120.72075">http://maps.google.com/maps?q=38.74925,-120.72075</a> )
Project Description	Horizon Tower, LLC has proposed to build a new 125-foot tall monopole tower for local and national wireless carriers to add antennas and equipment within a 1,600 square foot lease area with road improvements. Ground disturbance will be completed as a part of this project.
Previous Disturbance	The Site Parcel is developed with Madrona Vineyards and Madrona winery with a residential house present. The Site Parcel is located north of High Hill Road and north of Highway 50. According to the El Dorado Assessor's Office the Site Parcel consists of 54.06-acres and is identified as Parcel Number (APN) 048-090-04-100. The residence was reportedly constructed in early 1970s. The current vineyard was planted in 1972 through 1973.

Payment Details - SEE INVOICES

## Attachments


File: CA4075 Bavarian Hills Revised Cultural.pdf (<https://eshosone1.s3.amazonaws.com/b2-2f-f3-a9317b7d94595af06be7ea25a5989a3b.pdf?response-content-disposition=attachment%3B%20filename%3DCA4075%20Bavarian%20Hills%20Revised%20Cultural.pdf&Signature=U5ggAzY0qToaoCRPoP%2BRxM4rgoM%3D&AWSAccessKeyId=AKIAJTMUARRECIPIYCTGA&Expires=1563823487>) (Jul 22, 2019)

<https://eshosone1.s3.amazonaws.com/b2-2f-f3-a9317b7d94595af06be7ea25a5989a3b.pdf?response-content-disposition=attachment%3B%20filename%3DCA4075%20Bavarian%20Hills%20Revised%20Cultural.pdf&Signature=U5ggAzY0qToaoCRPoP%2BRxM4rgoM%3D&AWSAccessKeyId=AKIAJTMUARRECIPIYCTGA&Expires=1563823487>

File: (HT18001) BAVARIAN HILLS 90 ZDs Rev4 2019-04-02.pdf (<https://eshosone1.s3.amazonaws.com/6a-a1-12-8db9bdd17f9fb5b498a5dc6ec12011be.pdf?response-content-disposition=attachment%3B%20filename%3D%28HT18001%29%20BAVARIAN%20HILLS%2090%20ZDs%20Rev4%202019-04-02.pdf&Signature=pZqBEdfpPxrE80m4vHUPcT64Ybs%3D&AWSAccessKeyId=AKIAJTMUARRECIPIYCTGA&Expires=1563823487>) (Jul 22, 2019)

<https://eshosone1.s3.amazonaws.com/6a-a1-12-8db9bdd17f9fb5b498a5dc6ec12011be.pdf?response-content-disposition=attachment%3B%20filename%3D%28HT18001%29%20BAVARIAN%20HILLS%2090%20ZDs%20Rev4%202019-04-02.pdf&Signature=pZqBEdfpPxrE80m4vHUPcT64Ybs%3D&AWSAccessKeyId=AKIAJTMUARRECIPIYCTGA&Expires=1563823487>

## Notes

 Add (/consult/27794/note/add)

No current notes for this consultation request.

## Invoices

#EST-28011  
Jul 22, 2019

\$500.00

 (/invoice/view/28011)

## Steve Geist

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, November 08, 2018 10:25 AM  
**To:** sgeist@geistenvironmental.com  
**Subject:** Reply to Proposed Tower Structure (Notification ID: 180197) - Email ID #6086076

Dear Steve T Geist,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Attorney Montana & Associates LLC of the Skull Valley Band of Goshute Indians in reference to Notification ID #180197:

We have an interest in this site and would like the applicant to contact us.

Montana & Associates LLC  
605-881-1227

Email all info to skullvalleybandofgoshutefcctcns@outlook.com.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/06/2018  
Notification ID: 180197  
Tower Owner Individual or Entity Name: Horizon Tower, LLC  
Consultant Name: Steve T Geist  
Street Address: 4200 Park Boulevard #149  
City: Oakland  
State: CALIFORNIA  
Zip Code: 94602  
Phone: 510-238-8851  
Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole  
Latitude: 38 deg 44 min 57.3 sec N  
Longitude: 120 deg 43 min 14.7 sec W  
Location Description: 2560 High Hill Road  
City: Placerville  
State: CALIFORNIA  
County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills  
GE2G 311130  
Ground Elevation: 870.5 meters  
Support Structure: 36.6 meters above ground level  
Overall Structure: 38.1 meters above ground level  
Overall Height AMSL: 908.6 meters above mean sea level

**From:** sgeist geistenvironmental.com  
**Sent:** Monday, July 22, 2019 11:34 AM  
**To:** skullvalleybandofgoshutefcctcns@outlook.com  
**Cc:** sgeist geistenvironmental.com  
**Subject:** TCNS 180197\_Proposed New Tower (Placerville) El Dorado County CA  
**Attachments:** TCNS\_180197\_Skull Valley Band of Goshute Indians \_7 22 19.pdf

Montana & Associates LLC,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (GE2G), has prepared this attachment to allow the Skull Valley Band of Goshute Indians the opportunity to comment. The purpose of this Invitation to Comment is to request background information to help determine if the Skull Valley Band of Goshute Indians tribe would like to issue any comments on the proposed antenna modification of an existing facility to have potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. Please review the attachments and let me know if the Skull Valley Band of Goshute Indians intends to comment on this project.

Thank you

**Stephen T. Geist** • President



**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

Field Offices: Arizona, California, Colorado, Oregon, and Washington

Corporate: 4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)

[sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)



July 22, 2019

**Us Mail & Email:** [skullvalleybandofgoshutefcctns@outlook.com](mailto:skullvalleybandofgoshutefcctns@outlook.com)

Skull Valley Band of Goshute Indians  
Attorney Montana & Associates LLC  
N12923 North Prairie Road  
Osseo, WI 54758

Re: Section 106 Consultation Invitation to Comment

Dear Montana & Associates,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (herein, GE<sup>2</sup>G), has prepared this invitation to comment pursuant the TCNS response received as a part of the active Section 106 outreach for this proposed telecommunications undertaking in accordance with the National Historic Preservation Act. The purpose of this Invitation to Comment is to allow your tribe the opportunity to issue any comments on the proposed undertaking potential effects to known archaeology resources, traditional cultural resources, and/or historical properties.

**GE<sup>2</sup>G Project Number:** 311130

**TCNS #:** 180197

**Address:** 2560 High Hill Road, Placerville, El Dorado County, CA 95667

**Project Name:** CA4075

**USGS Topographic Quadrangle:** Camino CA (Township: 10 North, Range: 11 East, Section: 1)

**Ground Disturbance:** Existing Wireless facility. Yes for foundations, and utilities

**Property/Project Description:** Horizon Towers, LLC proposes install a new monopole tower and associated ground equipment facility. The new tower will be 125-feet in height above grade with concealment (monotree). Additionally Horizon Tower, LLC will install support equipment within a new ground lease area for local and national wireless carriers. Telco and Power will have a new underground conduit routes to utility connection points about ~1,600-feet on the Site Parcel. An existing gravel access road will be utilized for the majority of the access and utility conduits with a new road extension to the tower. It is likely the telco will be via a microwave dish. New ground excavation will occur. It is anticipated that utility subsurface installations will not exceed 52-inches in depth while the tower foundation is likely to be at least 30-feet below grade surface.

**Comments:**

Comments on this proposed undertaking may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments would be greatly appreciated.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices:** Arizona, California, Colorado, Oregon, and Washington

20-0006 F 189 of 286

Name and Address of Sender

4200 PARKVIEW AVENUE  
OAKLAND, CA 94611-9999  
WARD #149-6098  
G E'G  
Article Number  
1. OAKLAND - CA 11130

Check type of mail or service:

- ☐ Adult Signature Required  
☐ Certified Mail  
☐ COD  
☐ Delivery Confirmation  
☐ Express Mail  
☐ Insured
- ☐ Adult Signature Restricted Delivery  
☐ Recorded Delivery (International)  
☐ Registered  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation

Addressee (Name, Street, City, State, & ZIP Code™)

Skull Valley Band of Goshute Indians  
Attorney Montana & Associates LLC  
N12923 N Prairie Rd  
Osseo, WI 54758-7923

Northwestern Band of Shoshone Nation  
Attorney Montana & Associates LLC  
N12923 N Prairie Rd  
Osseo, WI 54758-7923

Ione Band of Miwok Indians  
Sara Dutschke Setshwaelo, Chairperson  
PO Box 699  
Plymouth, CA 95669

Wilton Rancheria  
Antonio Ruiz, THPO  
9728 Kent Street  
Elk Grove, CA 95624

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certificate of mailing  
or for additional  
copies of this bill)  
Postmark and  
Date of Receipt

U.S. POSTAGE PAID

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94611  
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Handling Charge  
Insured Value  
Actual Value if Registered  
Due Sender if COD  
ASR Fee  
ASRD Fee  
DC Fee  
SC Fee  
SH Fee  
RD Fee

Total Number of Pieces Listed by Sender

Postmaster Per (Name of receiving employee)

PS Form 3876 June 2011 Page 1 of 2

Complete by Typewriter, Ink, or Ball Point Pen

See Privacy Act Statement on Reverse

## Steve Geist

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, November 16, 2018 2:30 PM  
**To:** sgeist@geistenvironmental.com  
**Subject:** Reply to Proposed Tower Structure (Notification ID: 180197) - Email ID #6104031

Dear Steve T Geist,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Attorney Montana & Associates LLC of the Northwestern Band of Shoshone Nation in reference to Notification ID #180197:

We have an interest in this site and would like the applicant to contact us.

Montana & Associates LLC  
605-881-1227

Please email all info to Northwesternbandshoshonetcnsfcc@outlook.com

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/06/2018  
Notification ID: 180197  
Tower Owner Individual or Entity Name: Horizon Tower, LLC  
Consultant Name: Steve T Geist  
Street Address: 4200 Park Boulevard #149  
City: Oakland  
State: CALIFORNIA  
Zip Code: 94602  
Phone: 510-238-8851  
Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole  
Latitude: 38 deg 44 min 57.3 sec N  
Longitude: 120 deg 43 min 14.7 sec W  
Location Description: 2560 High Hill Road  
City: Placerville  
State: CALIFORNIA  
County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills  
GE2G 311130  
Ground Elevation: 870.5 meters  
Support Structure: 36.6 meters above ground level  
Overall Structure: 38.1 meters above ground level  
Overall Height AMSL: 908.6 meters above mean sea level

**From:** sgeist geistenvironmental.com  
**Sent:** Monday, July 22, 2019 11:38 AM  
**To:** Northwesternbandshoshonetcnsfcc@outlook.com  
**Cc:** sgeist geistenvironmental.com  
**Subject:** TCNS 180197\_Proposed New Tower (Placerville) El Dorado County CA  
**Attachments:** TCNS\_180197\_Northwestern Band of Shoshone Nation \_7 22 19.pdf

Montana & Associates LLC,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (GE2G), has prepared this attachment to allow the Northwestern Band of Shoshone Nation Indians the opportunity to comment. The purpose of this Invitation to Comment is to request background information to help determine if the Northwestern Band of Shoshone Nation tribe would like to issue any comments on the proposed antenna modification of an existing facility to have potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. Please review the attachments and let me know if the Northwestern Band of Shoshone Nation intends to comment on this project.

Thank you

**Stephen T. Geist** • President



**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

Field Offices: Arizona, California, Colorado, Oregon, and Washington

Corporate: 4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)

[GE2G.com](http://GE2G.com) / [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)



July 22, 2019

**Us Mail & Email:** [Northwesternbandshoshonetcnsfcc@outlook.com](mailto:Northwesternbandshoshonetcnsfcc@outlook.com)

Northwestern Band of Shoshone Nation  
Attorney Montana & Associates LLC  
N12923 North Prairie Road  
Osseo, WI 54758

Re: Section 106 Consultation Invitation to Comment

Dear Montana & Associates,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (herein, GE<sup>2</sup>G), has prepared this invitation to comment pursuant the TCNS response received as a part of the active Section 106 outreach for this proposed telecommunications undertaking in accordance with the National Historic Preservation Act. The purpose of this Invitation to Comment is to allow your tribe the opportunity to issue any comments on the proposed undertaking potential effects to known archaeology resources, traditional cultural resources, and/or historical properties.

**GE<sup>2</sup>G Project Number:** 311130

**TCNS #:** 180197

**Address:** 2560 High Hill Road, Placerville, El Dorado County, CA 95667

**Project Name:** CA4075

**USGS Topographic Quadrangle:** Camino CA (Township: 10 North, Range: 11 East, Section: 1)

**Ground Disturbance:** Existing Wireless facility. Yes for foundations, and utilities

**Property/Project Description:** Horizon Towers, LLC proposes install a new monopole tower and associated ground equipment facility. The new tower will be 125-feet in height above grade with concealment (monotree). Additionally Horizon Tower, LLC will install support equipment within a new ground lease area for local and national wireless carriers. Telco and Power will have a new underground conduit routes to utility connection points about ~1,600-feet on the Site Parcel. An existing gravel access road will be utilized for the majority of the access and utility conduits with a new road extension to the tower. It is likely the telco will be via a microwave dish. New ground excavation will occur. It is anticipated that utility subsurface installations will not exceed 52-inches in depth while the tower foundation is likely to be at least 30-feet below grade surface.

**Comments:**

Comments on this proposed undertaking may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments would be greatly appreciated.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices:** Arizona, California, Colorado, Oregon, and Washington

20-0006 F 194 of 286



## Steve Geist

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**From:** SWH <miwoksteve@gmail.com>  
**Sent:** Thursday, December 06, 2018 11:20 AM  
**To:** Steve Geist  
**Cc:** mmoore@auburnrancheria.com; Marcos Guerrero  
**Subject:** Re: CA4075 BAVARIAN HILLS TCNS 180197

Thank you for the information Steve.

Steven Hutchason  
UAIC Tribal Monitor

On Dec 6, 2018, at 11:11 AM, Steve Geist <[sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)> wrote:

Mr. Steve Hutchinson,

Today GE2G received a call from your about TCNS 180197 / CA4075 (Reference phone number 916-295-9835). You stated that the Auburn Rancheria has requested that a monitor be present for excavation.

As we discussed this project is under active NEPA and County review and approvals are not expected until mid to late 2019.

As the project progresses I will keep the Auburn Rancheria informed.

Thank you

**Stephen T. Geist** • President

<image001.jpg>

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**  
Field Offices: Arizona, California, Colorado, Oregon, and Washington  
Corporate: 4200 Park Boulevard #149, Oakland, California 94602  
510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)  
[GE2G.com](http://GE2G.com) / [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)

**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, December 13, 2018 8:21 PM  
**To:** sgeist@geistenvironmental.com  
**Subject:** Reply to Proposed Tower Structure (Notification ID: 180197) - Email ID #6132173

Dear Steve T Geist,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Mathew Moore of the United Auburn Indian Community in reference to Notification ID #180197:

We have an interest in this site and would like the applicant to contact us.

Steven Hutchason  
916-295-9835

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/06/2018  
Notification ID: 180197  
Tower Owner Individual or Entity Name: Horizon Tower, LLC  
Consultant Name: Steve T Geist  
Street Address: 4200 Park Boulevard #149  
City: Oakland  
State: CALIFORNIA  
Zip Code: 94602  
Phone: 510-238-8851  
Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole  
Latitude: 38 deg 44 min 57.3 sec N  
Longitude: 120 deg 43 min 14.7 sec W  
Location Description: 2560 High Hill Road  
City: Placerville  
State: CALIFORNIA  
County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills  
GE2G 311130  
Ground Elevation: 870.5 meters  
Support Structure: 36.6 meters above ground level  
Overall Structure: 38.1 meters above ground level  
Overall Height AMSL: 908.6 meters above mean sea level

**From:** sgeist geistenvironmental.com  
**Sent:** Monday, July 22, 2019 11:48 AM  
**To:** Sara@ionemiwok.net  
**Cc:** Culturalcommittee@ionemiwok.net  
**Subject:** TCNS 180197\_Proposed New Tower (Placerville) El Dorado County CA (corrected version)  
**Attachments:** TCNS\_180197\_Ione Band of Miwok Indians \_7 22 19.pdf

Chairperson Sara Dutschke Setshwaelo,

Corrected version correctly addressed to the Ione Band of Miwok Indians

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (GE2G), has prepared this attachment to allow the Ione Band of Miwok Indians the opportunity to comment. The purpose of this Invitation to Comment is to request background information to help determine if the Ione Band of Miwok Indians tribe would like to issue any comments on the proposed antenna modification of an existing facility to have potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. Please review the attachments and let me know if the Ione Band of Miwok Indians intends to comment on this project.

Thank you

**Stephen T. Geist • President**



**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

Field Offices: Arizona, California, Colorado, Oregon, and Washington

Corporate: 4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)

[sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)



July 22, 2019

Us Mail & Email: [sara@ionemiwok.net](mailto:sara@ionemiwok.net)

Ione Band of Miwok Indians  
Sara Dutschke Setshwaelo, Chairperson  
PO Box 699  
Plymouth, CA 95669

Re: Section 106 Consultation Invitation to Comment

Dear Ms. Setshwaelo,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (herein, GE<sup>2</sup>G), has prepared this invitation to comment pursuant the TCNS response received as a part of the active Section 106 outreach for this proposed telecommunications undertaking in accordance with the National Historic Preservation Act. The purpose of this Invitation to Comment is to allow your tribe the opportunity to issue any comments on the proposed undertaking potential effects to known archaeology resources, traditional cultural resources, and/or historical properties.

**GE<sup>2</sup>G Project Number:** 311130

**TCNS #:** 180197

**Address:** 2560 High Hill Road, Placerville, El Dorado County, CA 95667

**Project Name:** CA4075

**USGS Topographic Quadrangle:** Camino CA (Township: 10 North, Range: 11 East, Section: 1)

**Ground Disturbance:** Existing Wireless facility. Yes for foundations, and utilities

**Property/Project Description:** Horizon Towers, LLC proposes install a new monopole tower and associated ground equipment facility. The new tower will be 125-feet in height above grade with concealment (monotree). Additionally Horizon Tower, LLC will install support equipment within a new ground lease area for local and national wireless carriers. Telco and Power will have a new underground conduit routes to utility connection points about ~1,600-feet on the Site Parcel. An existing gravel access road will be utilized for the majority of the access and utility conduits with a new road extension to the tower. It is likely the telco will be via a microwave dish. New ground excavation will occur. It is anticipated that utility subsurface installations will not exceed 52-inches in depth while the tower foundation is likely to be at least 30-feet below grade surface.

**Comments:**

Comments on this proposed undertaking may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments would be greatly appreciated.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices:** Arizona, California, Colorado, Oregon, and Washington

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Northwestern Band of Shoshone Nation Attorney Montana & Associates LLC N12923 N Prairie Rd Osseo, WI 54758-7923	2										
Ione Band of Miwok Indians Sara Dutschke Setshwaelo, Chairperson PO Box 699 Plymouth, CA 95669	3										
Wilton Rancheria Antonio Ruiz, THPO 9728 Kent Street Elk Grove, CA 95624	4										
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## Steve Geist

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**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, November 29, 2018 10:31 AM  
**To:** sgeist@geistenvironmental.com  
**Cc:** tcns.fccarchive@fcc.gov; kperry@ssband.org  
**Subject:** Reply to Proposed Tower Structure (Notification ID: 180197) - Email ID #6115072

Dear Steve T Geist,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Daniel Fonseca of the Shingle Springs Rancheria in reference to Notification ID #180197:

We have no interest in this site. However, if the Applicant discovers archaeological remains or resources during construction, the Applicant should immediately stop construction and notify the appropriate Federal Agency and the Tribe.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/06/2018  
Notification ID: 180197  
Tower Owner Individual or Entity Name: Horizon Tower, LLC  
Consultant Name: Steve T Geist  
Street Address: 4200 Park Boulevard #149  
City: Oakland  
State: CALIFORNIA  
Zip Code: 94602  
Phone: 510-238-8851  
Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole  
Latitude: 38 deg 44 min 57.3 sec N  
Longitude: 120 deg 43 min 14.7 sec W  
Location Description: 2560 High Hill Road  
City: Placerville  
State: CALIFORNIA  
County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills

GE2G 311130

Ground Elevation: 870.5 meters

Support Structure: 36.6 meters above ground level

Overall Structure: 38.1 meters above ground level

Overall Height AMSL: 908.6 meters above mean sea level

**From:** sgeist geistenvironmental.com  
**Sent:** Monday, July 22, 2019 11:55 AM  
**To:** aruiz@wiltonrancheria-nsn.gov  
**Cc:** tribaloffice@wiltonrancheria-nsn.gov  
**Subject:** TCNS 180197\_Proposed New Tower (Placerville) El Dorado County  
**Attachments:** TCNS\_180197\_Wilton Rancheria \_7 22 19.pdf

Mr. Ruiz,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (GE2G), has prepared this attachment to allow the Wilton Rancheria Indians the opportunity to comment. The purpose of this Invitation to Comment is to request background information to help determine if the Wilton Rancheria tribe would like to issue any comments on the proposed antenna facility to have potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. Please review the attachments and let me know if the intends to comment on this project.

Thank you

**Stephen T. Geist • President**



**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

Field Offices: Arizona, California, Colorado, Oregon, and Washington

Corporate: 4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)

[sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)



July 22, 2019

Us Mail & Email: [aruiz@wiltonrancheria-nsn.gov](mailto:aruiz@wiltonrancheria-nsn.gov)

Wilton Rancheria  
Antonio Ruiz, THPO  
9728 Kent Street  
Elk Grove, CA 95624

Re: Section 106 Consultation Invitation to Comment

Dear Mr. Ruiz,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (herein, GE<sup>2</sup>G), has prepared this invitation to comment pursuant the TCNS response received as a part of the active Section 106 outreach for this proposed telecommunications undertaking in accordance with the National Historic Preservation Act. The purpose of this Invitation to Comment is to allow your tribe the opportunity to issue any comments on the proposed undertaking potential effects to known archaeology resources, traditional cultural resources, and/or historical properties.

**GE<sup>2</sup>G Project Number:** 311130

**TCNS #:** 180197

**Address:** 2560 High Hill Road, Placerville, El Dorado County, CA 95667

**Project Name:** CA4075

**USGS Topographic Quadrangle:** Camino CA (Township: 10 North, Range: 11 East, Section: 1)

**Ground Disturbance: Existing Wireless facility.** Yes for foundations, and utilities

**Property/Project Description:** Horizon Towers, LLC proposes install a new monopole tower and associated ground equipment facility. The new tower will be 125-feet in height above grade with concealment (monotree). Additionally Horizon Tower, LLC will install support equipment within a new ground lease area for local and national wireless carriers. Telco and Power will have a new underground conduit routes to utility connection points about ~1,600-feet on the Site Parcel. An existing gravel access road will be utilized for the majority of the access and utility conduits with a new road extension to the tower. It is likely the telco will be via a microwave dish. New ground excavation will occur. It is anticipated that utility subsurface installations will not exceed 52-inches in depth while the tower foundation is likely to be at least 30-feet below grade surface.

**Comments:**

Comments on this proposed undertaking may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments would be greatly appreciated.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices: Arizona, California, Colorado, Oregon, and Washington**

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Attorney Montana & Associates LLC  
N12923 N Prairie Rd  
Osseo, WI 54758-7923

Northwestern Band of Shoshone Nation  
Attorney Montana & Associates LLC  
N12923 N Prairie Rd  
Osseo, WI 54758-7923

Ione Band of Miwok Indians  
Sara Dutschke Setshwaelo, Chairperson  
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Plymouth, CA 95669

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## Attachment 7. Historic Properties Direct Effects

### ***a. List all properties within the APE for direct effects.***

#### **GE<sup>2</sup>G Response:**

On November 30, 2018, ART conducted a records search of North Central Information Center (NCIC) of the CHRIS for the proposed Project (NCIC File No.ELD-18-104). Results of the records search were positive. The property has been studied previously for cultural resources.

The project area was studied previously for cultural resources (NCIC Study No. 3586). Results of that study were negative for the project area. Three historic-period cultural resources were located within the research radius (Primary Site Nos. 1507, 1508 and 1524). Sites 1507 and 1524 are comprised of historic ranch elements, and Site 1508 is the Iowa Ditch. None of these resources are located on the NRHP.

The subject property at 2560 High Hill Road does not appear to meet the criteria for individual listing in the National Register and the California Register.

In November 2018, ART visited the Project site and performed a survey with photographic reconnaissance. In June of 2019 the location was reawaked for the revised location with no issues identified.

A copy of the properties evaluation, as well as the photographic reconnaissance, is included this Attachment 7.

### ***b. Provide the name and address (including U.S. Postal Service ZIP Code) of each property in the APE for direct effects, not listed in part "a." (above), that the Applicant considers to be eligible for listing in the National Register as a result of the Applicant's research. For each such property, describe how it satisfies the criteria of eligibility (36 C.F.R. Part 63). For each property that was specifically considered and determined not to be eligible, describe why it does not satisfy the criteria of eligibility.***

#### **GE<sup>2</sup>G Response:**

Additional properties within the APE for direct effects were not identified by the completed ART evaluation.

### ***c. Describe the techniques and the methodology, including any field survey, used to identify Historic Properties within the APE for direct effects.<sup>1</sup> If no archeological field survey was performed, provide a report substantiating that: i) the depth of previous disturbance exceeds the proposed construction depth (excluding footings and other anchoring mechanisms) by at least 2 feet; or, ii) geomorphological evidence indicates that cultural resource-bearing soils do***

**NT SUBMISSION PACKET -- FCC FORM 620**

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

***not occur within the project area or may occur but at depths that exceed 2 feet below the proposed construction depth.<sup>2</sup>***

**GE<sup>2</sup>G Response:**

In July of 2019 ART completed an evaluation of the proposed Subject Property for the likelihood of containing archeological Historic Properties. Please refer to the attached report documenting the findings of this project review by a qualified archaeologist including a description of the techniques and the methodology used to identify Historic Properties within the APE for direct effects. This report concludes that archeological resources are not expected to be impacted by the construction. The Horizon Tower Telco and Power routes will be dug under an existing dirt road. The immediate Project area and vicinity are characterized by agricultural fields and buildings as well as residential homes. Results of the records search do not indicate that the Project is located in an area of high sensitivity for the presence of buried cultural resources.

**Included in this attachment**

Cultural Resources Investigation for Horizon Towers, LLC CA 4075 "Bavarian Hills" 2560 High Hill Road, Placerville, CA, as completed By ART, July 15, 2019.

---

<sup>1</sup> Pursuant to Section VI.D.2.a. of the Nationwide Agreement, Applicants shall make a reasonable and good faith effort to identify above ground and archeological Historic Properties, including buildings, structures, and historic districts, that lie within the APE for direct effects. Such reasonable and good faith efforts may include a field survey where appropriate.

<sup>2</sup> Under Section VI.D.2.d. of the Nationwide Agreement, an archeological field survey is required even if none of these conditions applies, if an Indian tribe or NHO provides evidence that supports a high probability of the presence of intact archeological Historic Properties within the APE for direct effects.



**CULTURAL RESOURCES INVESTIGATION OF PROPOSED  
WIRELESS TELECOMMUNICATIONS SERVICE FACILITY  
AT&T CA4075 "BAVARIAN HILLS"  
15 July 2019**

**Address:** 2560 High Hill Rd. Placerville CA

**County:** El Dorado

**Direct APE:** Lat 38° 44' 57.35"/Long -120° 43' 14.67"

**Visual/Indirect APE:** ½-mile radius

**USGS 7.5' Quad Map:** Camino, CA

**Information Center File Number:** NCIC ELD-18-104

**Prepared for:**

Mr. Steve Geist

GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.

4200 Park Boulevard #149

Oakland, California 94602

**Prepared by:**

Carolyn Losée

Registered Professional Archaeologist #15711

6 Beach Road, Box 51

Belvedere CA 94920

**Keywords:** Intensive survey of <1 acre; negative results;  
low archaeological sensitivity.

*Archaeological site information is exempted from public disclosure under both the California and Federal Freedom of Information Acts. If archaeological sites are discussed in this report, the reader is duly apprised of the need for confidential treatment.*

Per your request, Archaeological Resources Technology (ART) carried out a records search and performed a field investigation to identify cultural resources and make recommendations regarding the installation of antennae and other cellular equipment. ART's initial investigation took place in December 2018; this revision addresses design changes to date. This investigation was made in accordance with the current Nationwide Programmatic Agreement for the Collocation of Wireless Antennas (NPA) and the following: 36 CFR 800 *et. Seq.* ("Protection of Historical and Cultural Properties"); Sections 106 and 110 a(2) of the National Historic Protection Act (NHPA) as amended (16 USC 470h-2) and its implementing regulations 36 CFR Parts 60 and 63; Executive Order 11593, Protection and Enhancement of the Cultural Environment; Section 110(b)(4) of the National Environmental Policy Act (NEPA) of 1969, as amended, and guidelines set forth by the Placer County Planning Department.

The project area appears to lie in the traditional territory of both the Miwok and the Southern Maidu Nisenan. Among contemporary sources available on the www, ethnographic information can be obtained from the Smithsonian Institute's *Handbook of North American Indians, Volume 8: California* (Washington, DC). Cultural resources include Native American or European-American archaeological sites, architectural resources (historic districts and standing structures), objects, and traditional cultural properties. Environmental acts and guidelines require cultural resources in the project area to be identified and evaluated, and for potential project effects to be mitigated.

### **Project Description and Determination of Areas of Potential Effect**

As depicted in the Project Location Map (attached), the project is located on raw land at a private residence with the street address of 2560 High Hill Road in Placerville, El Dorado County, California. The Assessor's Parcel Number is 048-090-04-100. Map coordinates are Latitude 38° 44' 57.35"/Longitude - 120° 43'14.67" on the *Camino* USGS Topographic Quadrangle Map. AT&T Mobility, LLC has proposed to construct a 125-foot tall monopine and associated equipment within a 40-foot by 40-foot fenced ground leased area (Direct APE). Power and telco utilities will be installed to the lease area in an underground utility trench approximately 750 feet long (Direct APE). It is anticipated that power and telco or coaxial subsurface installations will not exceed 52-inches in depth. AT&T will utilize an existing access roads. Per guidelines in the current NPA, ART used a ½-mile radius to define the indirect APE.

### **Records Search Results**

On 30 November 2018, a records search was performed at the North Central Information Center (NCIC) of the California Historical Resources Information Service (NCIC File No. ELD-18-104). To identify historic properties, the State of California Office of Historic Preservation Historic Properties Directory (HPD) was consulted, which includes properties of the National Register of Historic Places (NRHP), California Historical Landmarks (CHL), California Points of Historical Interest (CPHI), the California Register of Historical Resources (CRHR), as well as certified Local Government surveys that have undergone Section 106 review. The records search entailed a review for all previously recorded cultural resources within a ½-mile radius of the referenced project boundaries, or the indirect APE.

Results of the records search indicated that the project area was studied previously for cultural resources (NCIC Study No. 3586). Results of that study were negative for the project area. Three historic-period cultural resource were located within the research radius (Primary Site Nos. 1507, 1508 and 1524). Sites 1507 and 1524 are comprised of historic ranch elements, and Site 1508 is the Iowa Ditch. None of these resources are located on the NRHP. Seven additional studies covered a portion of the broader search area: NCIC Study Nos. 2158, 3494, 3561 and 3610 (see attachment).

### **Field Survey Methods and Results**

On 21 November 2018, ART visited the project area and performed a survey with photographic reconnaissance. All areas of potential disturbance—the ground lease area, vehicle access and utility runs—were inspected using tight transects (1 to 3 meters). Stone tools and production flakes, bone, fire-altered rock, marine shell, beads, historic artifacts and features or any other evidence of human activities were sought. For the survey, historic items were defined as any evidence of human use or habitation older than 50 years. Since such features fail to meet the criteria for a historical resource, evidence of contemporary human activities (such as the placement of utility poles) was not recorded.

Results of ART's survey were negative. The lease area is located on a ridge at the northwest end of property. A contemporary, two story-family home lies southeast of the site. The proposed utility run and access are located on the northern part of the property, beginning near the house. Underground utility trenching will be in an area disturbed previously by the construction of the driveway, existing utilities, and landscaping (see photographs, attached). In the proposed lease area ground visibility was good, about 95 percent. Soil was comprised of medium-brown silty loam. No bedrock was in view from the project location. Slopes in the immediate project vicinity are slight. There did not appear to be any nearby water sources. Cultural sensitivity in the immediate project vicinity appears to be low.

### **Findings and Recommendations**

Results of ART's cultural resources investigation that encompassed the project area and vicinity were negative. As discussed above, both prehistoric and historic cultural resources sensitivity in the project area is considered to be low. Although unanticipated, in the event that a concentration of artifacts or culturally modified soil deposits (including trash pits older than 50 years) are discovered at any time during project construction, all work within 25 feet of the find must stop immediately. If warranted, further archaeological work in the discovery area should be performed. If human remains are encountered, all work must stop in the immediate vicinity of the discovery until the County Coroner, in addition to a qualified archaeologist, evaluates the remains (Public Resources Code section 5097.98).

## Qualifications of Preparer

Owner and Principal of Archaeological Resources Technology (a Woman Business Enterprise), the author received an MA in Anthropology/Archaeology from San Francisco State University in 1992, and has over 30 years of experience on environmental field and laboratory projects in California, Nevada, Montana and Hawaii as Director of cultural resources research tasks, surveys, and test/data recovery projects in a variety of settings. Qualifications include knowledge of NEPA, CEQA, NHPA (Section 106 compliance), and numerous other federal, state and local laws and regulations mandating environmental assessment. She also serves as Project Manager on multidisciplinary studies for both comprehensive environmental assessments and cultural resources, with responsibilities such as editing reports, scheduling and coordinating project assignments, recording and analyzing sites, forming mitigation recommendations, preparing proposals, and contributing to quality control, illustration, and photography.

## References

California, State of

- 1976 *California Inventory of Historic Resources*. Department of Parks & Recreation, Office of Historic Preservation, Sacramento.
- 1996 *California Historical Landmarks*. Department of Parks and Recreation, Office of Historic Preservation, Sacramento.
- 1990 *National Register of Historic Places*. Directory of Determinations of Eligibility, California Office of Historic Preservation, Volumes I and II.
- 1990 Office of Historic Preservation Computer Listing of historic resources.
- 1991 *California Points of Historical Interest*. May 1992 and updates. Department of Parks and Recreation, Office of Historic Preservation, Sacramento.
- 2012 *Archaeological Determinations of Eligibility*.

Heizer, R.F. (ed.)

- 1978 *Handbook of North American Indians, Vol. 8: California*. Smithsonian Institution, Washington, D.C.

United States Geologic Survey

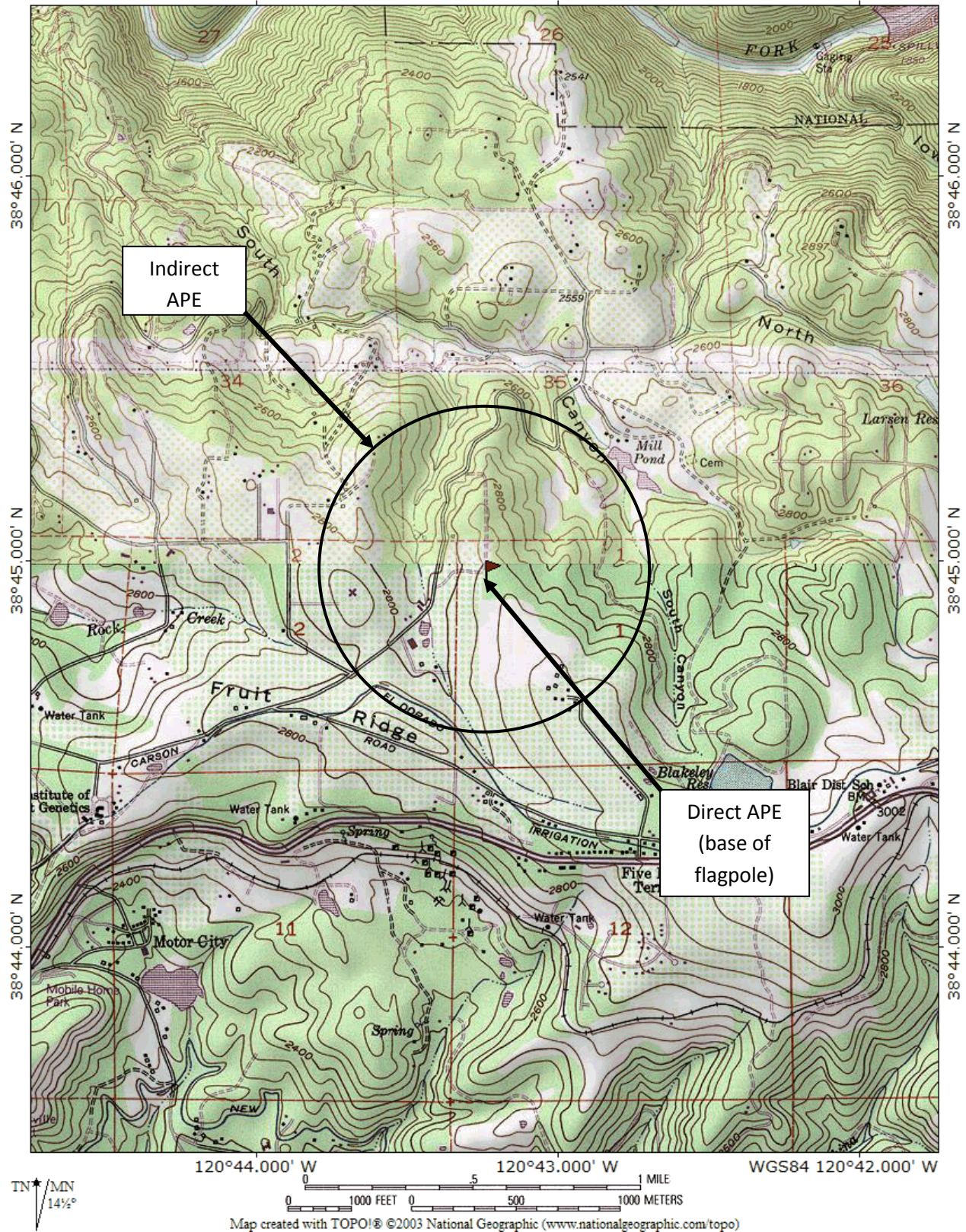
- 1973 *Camino and Slate Mountain 7.5' Topographic Quadrangles*. Washington, D.C.

## Resource List

Primary No.	Triennial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-09-001507	CA-ELD-001120/H	Resource Name - Dart Ranch Buildings and Structures; Other - McCell Ranch	Building, Structure, Other	Historic	HP20 (Canal/aqueduct); HP29 (Landscape architecture); HP33 (Farm/ranch)	1996 (Dana Supernowicz, Historic Resources Associates)	003561
P-09-001508	CA-ELD-001121/H	Resource Name - Iowa Ditch; Other - Site 1 for A. Clark THP; Other - SMUD 6 A-D; USFS - 05-03-SG-215; Other - SMUD 8A, 8B, 8C, 8D; Other - Site #1; Other - Iowa Ditch Segment; Other - Temp H3; Other - Apple Hill Golf Course; Other - Iowa Ditch or Canal H3; Other - Iowa Canal H3; Other - Canal H3; Other - H3	Site	Historic	AH06 (Water conveyance system); HP20 (Canal/aqueduct)	1981 (Dana E. Supernowicz, Jim Heale); 1994 (Dana E. Supernowicz); 1994 (Dana E. Supernowicz, Historic Resource Associates); 2000 (Lucky Gillett); 2002 (Richard Dels, ED&W, Inc.); 2006 (Robert W. Allen, RPF #2108); 2016 (J. Allen, PAR Environmental Services)	003494, 003502, 003561, 003586, 003616, 005386, 007286, 012283
P-09-001524	CA-ELD-001113/H	Other - TEMPORARY H2; Resource Name - Second or Third J.C. Johnson Residence/Ranch	Site	Historic	AH02 (Foundations/structure pads)	1994 (Dana E. Supernowicz, Unknown)	003494, 003586

## Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
002158		1992	Foxworthy, Larry Roy	Archaeological and Historical Resources Survey and Impact Assessment for the Brunius Timber Sale Timber Harvesting Plan		
003494		1993	Gould, Gary E.	Archaeological and Historical Resources Survey and Impact Assessment: A Supplemental Report for Winkelman THP		09-001506, 09-001523, 09-001524, 09-001526, 09-001527, 09-001528
003561		1998	Superniowicz, Dana E.	Archaeological Survey Report of Dirt-McCall Ranch at Camino Parcel Number 48-C90-05-10 El Dorado County, California	Historic Resource Associates	09-001507, 09-001508
003566		1998	Superniowicz, Dana E.	Archaeological Survey Report Of the Proposed Apple Hill Golf Ranch A 27 Hole Championship Golf Facility Northwest of Camino El Dorado County, California	Historic Resource Associates	09-001506, 09-001523, 09-001524, 09-001526, 09-001527
003510		1993	Starns, Jean	A Preliminary Survey of the Proposed Pipeline Corridor Swansboro Facility Plan, Project Number 90026 Work Order Number 2581	El Dorado Irrigation District	09-001550, 09-001555, 09-001556, 09-001557
003610B		1994	Starns, Jean	Swansboro Water System El Dorado Irrigation District Project Number 90026D Work Order Number 2581	El Dorado Irrigation District	

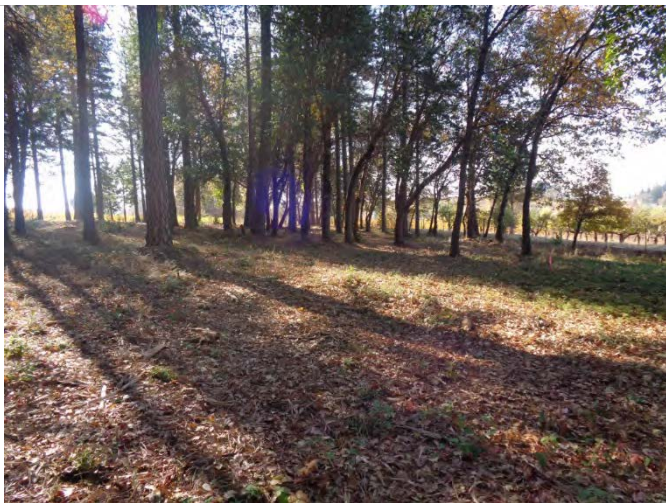




1. View north of lease area.



2. View east of lease area.



3. View south of lease area.



4. View west of lease area.



5. View north from lease area.



6. View east from lease area.



7. View south from lease area.



8. View west from lease area.



9. View of ground in proposed lease area.



10. View south of proposed trench run and proposed access (partial).



11. View northwest of proposed trench run and proposed access (partial).



12. View east of proposed trench run and proposed access (partial).



13. View east of proposed trench run and proposed access (partial).



14. View south east of proposed trench run and proposed access (partial).



15. View south east of proposed trench run and proposed access (partial).



16. View north of utility POC and proposed trench run (partial).



17. Ground at utility POC.



18. House at 2560 High Hill Road in Placerville (subject property).

**Attachment 8. Historic Properties Visual Effects**

***Historic Properties Identified for Visual Effects Guidelines***

- a. Provide the name and address (including U.S. Postal Service ZIP Code) of each property in the APE for visual effects that is listed in the National Register, has been formally determined eligible for listing by the Keeper of the National Register, or is identified as considered eligible for listing in the records of the SHPO/THPO, pursuant to Section VI.D.1.a. of the Nationwide Agreement.***

**GE<sup>2</sup>G Response:**

On November 30, 2018, ART conducted a records search of North Central Information Center (NCIC) of the CHRIS for the proposed Project (NCIC File No.ELD-18-104). Results of the records search were positive. The property has been studied previously for cultural resources.

The project area was studied previously for cultural resources (NCIC Study No. 3586). Results of that study were negative for the project area. Three historic-period cultural resources were located within the research radius (Primary Site Nos. 1507, 1508 and 1524). Sites 1507 and 1524 are comprised of historic ranch elements, and Site 1508 is the Iowa Ditch. None of these resources are located on the NRHP.

Seven additional studies covered a portion of the broader search area: NCIC Study Nos. 2158, 3494, 3561 and 3610. Results of these cultural resources studies were negative.

Regarding potential prehistoric resources, the project is located in an area disturbed entirely by the construction of the existing agricultural and residential buildings and its infrastructure including (but not limited to) roads, sidewalks, landscaped grounds, and utilities.

There are no known Traditional Cultural Properties, or resources known to have value to local cultural groups, located within the Project area.

- b. Provide the name and address (including U.S. Postal Service ZIP Code) of each Historic Property in the APE for visual effects, not listed in part "a", identified through the comments of Indian Tribes, NHOs, local governments, or members of the public. Identify each individual or group whose comments led to the inclusion of a Historic Property in this attachment. For each such property, describe how it satisfies the criteria of eligibility (36 C.F.R. Part 63).***

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3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

**GE<sup>2</sup>G Response:**

As of the date of this Submittal Package, GE<sup>2</sup>G has not received comments from Indian Tribes, NHOs, local governments, or members of the public that identify Historic Properties in the APE for visual effects.

- c. For any properties listed in the above Historic Properties list, that the Applicant considers no longer eligible for inclusion in the National Register, explain the basis for this recommendation.***

**GE<sup>2</sup>G Response:**

In November of 2018 ART visited the Subject Property and performed a survey with photographic reconnaissance. There were no Historic Properties or Districts located within view of or from the Subject Property lease area.

**Included in the previous Attachment 7**

Cultural Resources Investigation for Horizon Towers, LLC CA 4075 "Bavarian Hills" 2560 High Hill Road, Placerville, CA, as completed By ART, July 15, 2019.

Applicant's Name: Horizon Tower, LLC  
Project Name: Bavarian Hills  
Project Number: CA4075  
FCC Form 620

**Attachment 9. Local Government**

- a. If any local government has been contacted and invited to become a consulting party pursuant to Section V.A. of the Nationwide Programmatic Agreement, list the local government agencies contacted. Provide a summary of contacts and copies of any relevant documents (e.g., correspondence or notices).***

**GE<sup>2</sup>G Response:**

The County of El Dorado does not maintain a Certified Local Government status per the National Park Service and the California SHPO.

On July 22, 2019 GE<sup>2</sup>G contacted the County of El Dorado Planning Department to comment on the proposed project's potential effects on Historic Properties as well as indicate whether they would be interested in consulting further on the proposed undertaking. As of the date of this submission the County of El Dorado has not responded to the GE<sup>2</sup>G request.

However on July 3, 2018 the County of El Dorado Planning Department issued a Determination of Application Completeness (Cup18-0012) for the Horizon Tower Bavarian Hill Site CA4075. Also on July 24, 2019 the County of El Dorado Planning Department sent a memo for all applicable county departments to comment.

- b. If a local government agency will be contacted but has not been to date, explain why and when such contact will take place.***

**GE<sup>2</sup>G Response:**

Not applicable.



Sent via: US mail

July 22, 2019

El Dorado County Planning Services  
2850 Fairlane Court  
Placerville, CA 95667

**Re: Invitation to Comment  
Proposed New Tower Build  
Site Number: CA4075 Site Name: Bavarian Hills  
2560 High Hill Road, Placerville, El Dorado County, CA 95667  
GE<sup>2</sup>G Project Number: 311130**

Dear El Dorado County Planning Services Representative,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE<sup>2</sup>G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE<sup>2</sup>G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

**Project Description:** Horizon Tower, LLC has proposed to build a new 125-foot tall monopole tower for local and national wireless carriers to add antennas and equipment within a 1,600 square foot lease area with road improvements. Ground disturbance will be completed as a part of this project.

**Comments:**

Comments on this proposed undertaking on effects to historical properties or resources may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments within the next 30-days would be greatly appreciated. If you have any inquiries or would like any additional information please contact me at (510) 238-8851.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices: Arizona, California, Colorado, Oregon, and Washington**

20-0006 F 222 of 286

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☐ COD  
☐ Delivery Confirmation  
☐ Express Mail  
☐ Insured
- ☐ Adult Signature Restricted Delivery  
☐ Recorded Delivery (International)  
☐ Registered  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation

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or for additional  
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1. OAKLAND - CALIFORNIA - 94607-149 GEG CA 4075 BAVARIA HILLS 31130 LOCM Govt.	El Dorado County Planning Services 2850 Fairlane Court Placerville, CA 95667												
2.		X											
3.		X											
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## COMMUNITY DEVELOPMENT SERVICES PLANNING AND BUILDING DEPARTMENT

<http://www.edcgov.us/DevServices/>

**PLACERVILLE OFFICE:**

2850 Fairlane Court, Placerville, CA 95667

**BUILDING**

(530) 621-5315 / (530) 622-2705 Fax

[bldgdept@edcgov.us](mailto:bldgdept@edcgov.us)

**PLANNING**

(530) 621-5355 / (530) 642-0508 Fax

[planning@edcgov.us](mailto:planning@edcgov.us)

**LAKE TAHOE OFFICE:**

924 B Emerald Bay Rd.

South Lake Tahoe, CA 96150

(530) 573-3330

(530) 542-9082 Fax

July 3, 2019

Horizon Tower  
John Merritt  
630 Quintana Rd., Suite 321  
Morro Bay, CA 93442

**Re: Determination of Application Completeness  
CUP18-0012/Horizon Tower Bavarian Hills Site CA4075  
APN: 048-090-04**

Dear Mr. Merritt:

This office has completed review of the application file contents for Application Number **CUP18-0012** and has determined the application to be **COMPLETE** for processing.

The project **Error! Reference source not found.** will be distributed to affected departments and agencies for review and comment. At the end of the comment timeframe, a Technical Advisory Committee (TAC) meeting will be scheduled to discuss the comments received and any project issues. One or more of the following actions may be taken including

- 1) Make an environmental determination,
- 2) Determine project conditions and/or,
- 3) Estimate a public hearing date.

TAC meetings are for agency discussion and it is recommended that you or your agent be present at the TAC meeting to discuss the progress of your application. Please be advised that the following item is still required for application completeness:

Planning Services reserves the right to require additional project information as provided by Section 15060 of the California Environmental Quality Act (CEQA), as required by the General Plan Development Policies, or when such is necessary to complete the environmental assessment.

Should you have any questions regarding the project or this notice, please feel free to contact me at (530) 621-5345.

Sincerely,

  
Aaron Mount  
Senior Planner

cc: File: CUP18-0012/Horizon Tower Bavarian Hills Site CA4075



# PLANNING AND BUILDING DEPARTMENT

## PLANNING SERVICES DIVISION

<http://www.edcgov.us/DevServices/>

---

**PLACERVILLE OFFICE:**

2850 Fairlane Court, Placerville, CA 95667

**BUILDING**

(530) 621-5315 / (530) 622-1708 Fax

[bldgdept@edcgov.us](mailto:bldgdept@edcgov.us)

**PLANNING**

(530) 621-5355 / (530) 642-0508 Fax

[planning@edcgov.us](mailto:planning@edcgov.us)

**LAKE TAHOE OFFICE:**

924 B Emerald Bay Rd

South Lake Tahoe, CA 96150

(530) 573-3330

(530) 542-9082 Fax

July 24, 2019

TO ALL CONCERNED AGENCIES:

Please find enclosed the Initial Consultation information for your review and comment regarding the following application:

**CUP18-0012 - HORIZON TOWER BAVARIAN HILLS (John Merritt/Richard H. Bush and Leslie H. Bush/Diamond Engineering Services):** A Conditional Use Permit to allow the construction and operation of a 125-foot high monopine wireless communication facility within a 40-foot x 40-foot enclosed area. The property, identified by Assessor's Parcel Number 048-090-04, consists of 52.24 acres, and is located on the north side of Carson Road, approximately 1 mile east of the intersection with North Canyon Road, in the Bavarian Hills area.

Pursuant to Section 15063 of the State CEQA Guidelines, this Initial Consultation is being conducted to determine if the project may have a significant effect on the environment and determine whether an environmental impact report or a negative declaration will be prepared.

DRAFT project documentation is available for review online:

<https://edcgov.trakit.net/eTRAKiT/Search/project.aspx>

Review and comment by your agency is requested to identify your concerns to be considered by the County during our environmental review to mitigate impacts, develop conditions of approval, and/or modify the project. Your agency's written responses must be received by the Planning Services **no later than August 8, 2019**. If we do not receive written correspondence from your agency by that date, we will assume your agency has no comment and your agency's concerns may not be reflected in our recommendations.

If you have questions or need additional information, please call Planning Services office at (530) 621-5355.

EL DORADO COUNTY PLANNING SERVICES

County Planner: Aaron Mount, (530) 621-5345

ADM/dre

cc: Jeff Hansen, Planning Commissioner District 3  
Transportation, Dave Spiegelberg  
Cal Fire  
Environmental Management  
Pacific Gas & Electric  
CA Water Regional Water Quality Control Board CV/WRCB

Brian Veerkamp, Supervisor District 3  
Air Quality Management District  
El Dorado County Fire Protection District  
LAFCO  
El Dorado County Surveyor's Office

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3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

### Attachment 10. Other Consulting Parties and Public Notice

***List additional consulting parties that were invited to participate by the Applicant, or independently requested to participate. Provide any relevant correspondence or other documents.***

#### **GE<sup>2</sup>G Response Summary:**

Please see the attached correspondence with other consulting parties. As of the date of this submission packet, GE<sup>2</sup>G has not received any comments from consulting parties. Should a response be received, copies will be forwarded to all consulting parties as an addendum to this submission packet.

#### **Public Notice**

GE<sup>2</sup>G posted a legal notice regarding the proposed telecommunication undertaking within the Mountain Democrat on April 1, 2019. The Mountain Democrat was chosen as the public news source based on input from the County of El Dorado. As of the date of this Submission Packet, comment(s) from the legal public notice posting has not been received by GE<sup>2</sup>G. Should a response be received, copies will be forwarded to all consulting parties as an addendum to this submission packet.

A copy of the Newspaper Proof of Publication for the above date is attached.

#### **Historical Group**

GE<sup>2</sup>G contacted the El Dorado County Historical Society on July 22, 2019 to comment on the proposed project's potential effects on Historic Properties as well as indicate whether they would be interested in consulting further on the proposed undertaking. As of the date of this submission the El Dorado County Historical Society has not responded to this request.

Attached, please find a copy of relevant correspondence with the El Dorado County Historical Society.

#### **Native American Heritage Commission**

GE<sup>2</sup>G contacted the California State based Native American Heritage Commission (NAHC) on March 25, 2019 to have a sacred land file search completed for State of California recognized tribes. A response by the NAHC was received on March 26, 2019. The NAHC provided a list of nine (9) tribes. These nine (9) potential consulting parties were sent summary letters by GE<sup>2</sup>G via US mail on July 22, 2019 to have the opportunity to comment on the proposed project's effect on Historic or tribally sensitive properties.

Attached, please find copies of relevant correspondence to date with these parties. As of the date of this Submission Packet, no comments from the contacted individuals to be listed as a Consulting Party have been received by GE<sup>2</sup>G. Should a response be

Applicant's Name: Horizon Tower, LLC  
Project Name: Bavarian Hills  
Project Number: CA4075  
FCC Form 620

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3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

received, copies will be forwarded to all Consulting Parties as an addendum to this Submission Packet.

#	Contact Name	Initial Contact (via US mail)	Response to Initial Contact
1	Pamela Cubbler, Colfax-Todds Valley Consolidated Tribe	7/22/2019	None
2	Clyde Prout, Colfax-Todds Valley Consolidated Tribe	7/22/2019	None
3	Sara Dutschke, Ione Band of Miwok Indians	7/22/2019	None
4	Cosme Vandez, Nashville Enterprise Miwok-Maidu-Nishinam Tribe	7/22/2019	None
5	Regina Cuellar, Shingle Springs Band of Miwok Indians	7/22/2019	None
6	Grayson Coney, Tsi Akim Maidu	7/22/2019	None
7	Don Ryberg, Tsi Akim Maidu	7/22/2019	None
8	Gene Whitehouse, United Auburn Indian Community of the Auburn Rancheria	7/22/2019	None
9	Darrel Cruz, Washoe Tribe of Nevada and California	7/22/2019	None

Attached, please find copies of relevant correspondence to date with these parties. As of the date of this Submission Packet, no comments from the contacted individuals to be listed as a Consulting Party have been received by GE<sup>2</sup>G. Should a response be received, copies will be forwarded to all Consulting Parties as an addendum to this Submission Packet.

# Mountain Democrat

PROOF OF PUBLICATION  
(2015.5 C.C.P.)

County of El Dorado

I am a citizen of the United States and a resident of the County aforesaid; I'm over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am principal clerk of the printer at the Mountain Democrat, 2889 Ray Lawyer Drive, a newspaper of general circulation, printed and published Monday, Wednesday, and Friday, in the City of Placerville, County of El Dorado, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court to the County of El Dorado, State of California, under the date of March 7, 1952, Case Number 7258; that the notice, of which the annexed is a printed copy (set in type no smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

4/1

All in the year 2019

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Placerville, California, this 1<sup>st</sup> day  
of APRIL 2019

*Allison Rains*

Allison Rains

## Proof of Publication of PUBLIC NOTICE





**Sent via: US mail**

July 22, 2019

El Dorado County Historical Society  
524 Main Street  
Placerville, CA 95667

**Re: Invitation to Comment  
Proposed New Tower Build  
Site Number: CA4075 Site Name: Bavarian Hills  
2560 High Hill Road, Placerville, El Dorado County, CA 95667  
GE<sup>2</sup>G Project Number: 311130**

Dear El Dorado County Historical Society Representative,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE<sup>2</sup>G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE<sup>2</sup>G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

**Project Description:** Horizon Tower, LLC has proposed to build a new 125-foot tall monopole tower for local and national wireless carriers to add antennas and equipment within a 1,600 square foot lease area with road improvements. Ground disturbance will be completed as a part of this project.

**Comments:**

Comments on this proposed undertaking on effects to historical properties or resources may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments within the next 30-days would be greatly appreciated. If you have any inquiries or would like any additional information please contact me at (510) 238-8851.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices: Arizona, California, Colorado, Oregon, and Washington**

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Name and Address of Sender  
**4200 PLYMOUTH BLVD #149-200**  
**GE1G**

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☐ Delivery Confirmation  
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 or for additional  
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 Date of Receipt

Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	Handling	Actual Value	Insured	Due Sender	ASR	ASRD	DC	SC	SH	RD	RR	Fee
1.	EL DORADO COUNTY HISTORICAL SOCIETY 524 MAIN ST PLACERVILLE, CA 95667-5610	X												
2.	BAVARIAN HILLS 31130	X												
3.	HISTORICAL	X												
4.		X												
5.		X												
6.		X												
7.		X												
8.		X												
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Total Number of Pieces Received at Post Office														

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PS Form 3870 June 2011 (Page 1 of 2)

NATIVE AMERICAN HERITAGE COMMISSION  
Cultural and Environmental Department  
1550 Harbor Blvd., Suite 100  
West Sacramento, CA 95691  
Phone: (916) 373-3710  
Email: [nahc@nahc.ca.gov](mailto:nahc@nahc.ca.gov)  
Website: <http://www.nahc.ca.gov>  
Twitter: @CA\_NAHC



March 26, 2019

Steve Geist  
Geist Engineering and Environmental Group, Inc.

VIA Email to: [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)

RE: Project CA4075, El Dorado County.

Dear Mr. Geist:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information. If you have any questions or need additional information, please contact me at my email address: [katy.sanchez@nahc.ca.gov](mailto:katy.sanchez@nahc.ca.gov).

Sincerely,

A handwritten signature in blue ink that reads "Katy Sanchez".

KATY SANCHEZ  
Associate Environmental Planner

Attachment

**Native American Heritage Commission  
Native American Contacts List  
3/25/2019**

Colfax-Todds Valley Consolidated Tribe  
Pamela Cubbler, Treasurer  
P.O. Box 4884  
Auburn ,CA 95604  
PCubbler@colfaxrancheria.com  
(530) 320-3943

Miwok  
Maidu

Tsi Akim Maidu  
Grayson Coney, Cultural Director  
P.O. Box 510  
Browns Valley ,CA 95918  
tsi-akim-maidu@att.net  
(530) 274-7497

Maidu

Colfax-Todds Valley Consolidated Tribe  
Clyde Prout, Chairman  
P.O. Box 4884  
Auburn ,CA 95604  
miwokmaidu@yahoo.com  
(916) 577-3558

Miwok  
Maidu

Tsi Akim Maidu  
Don Ryberg, Chairperson  
P.O. Box 510  
Browns Valley ,CA 95918  
tsi-akim-maidu@att.net  
(530) 383-7234

Maidu

Ione Band of Miwok Indians  
Sara Dutschke Setchwaelo, Chairperson  
P.O. Box 699  
Plymouth ,CA 95669  
sara@ionemiwok.org  
(209) 245-5800 Office  
(209) 245-6377 Fax

Miwok

United Auburn Indian Community of the Auburn Rancheria  
Gene Whitehouse, Chairperson  
10720 Indian Hill Road  
Auburn ,CA 95603  
bguth@auburnrancheria.com  
(530) 883-2390 Office  
(530) 883-2380 Fax

Maidu  
Miwok

Nashville Enterprise Miwok-Maidu-Nishinam Tribe  
Cosme A. Valdez, Chairperson  
P.O. Box 580986  
Elk Grove ,CA 95758-001  
valdezcome@comcast.net  
(916) 429-8047 Voice/Fax  
(916) 396-1173 Cell

Miwok

Washoe Tribe of Nevada and California  
Darrel Cruz, Cult Res Dept. THPO  
919 Highway 395 North  
Gardnerville ,NV 89410  
Darrel.Cruz@washoetribe.us  
(775) 265-8600 x10714  
(775) 546-3421 Cell

Washoe

Shingle Springs Band of Miwok Indians  
Regina Cuellar, Chairperson  
P.O. Box 1340  
Shingle Springs ,CA 95682  
rcuellar@ssband.org  
(530) 387-4970  
(530) 387-8067 Fax

Miwok  
Maidu

This list is current as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code, or Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native American Tribes for the proposed: Project CA4075, EL Dorado County.



Sent via: US mail

July 22, 2019

Colfax-Todds Valley Consolidated Tribe  
Pamela Cubbler, Treasurer  
PO Box 4884  
Auburn, CA 95604

**Re: Invitation to Comment  
Proposed New Tower Build  
Site Number: CA4075 Site Name: Bavarian Hills  
2560 High Hill Road, Placerville, El Dorado County, CA 95667  
GE²G Project Number: 311130**

Dear Ms. Cubbler,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE²G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE²G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

**Project Description:**

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**Comments:**

Comments on this proposed undertaking on effects to historical properties or resources may be referred to GE²G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE²G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE²G project number 311130 with any correspondence). Any comments within the next 30-days would be greatly appreciated. If you have any inquiries or would like any additional information please contact me at (510) 238-8851.

Sincerely,

A handwritten signature in blue ink, appearing to read 'S. Geist'.

Mr. Stephen T. Geist, President  
GE²G

**Attachments:**

Topographic Map and Street Map  
Zoning Drawings

Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

Field Offices: Arizona, California, Colorado, Oregon, and Washington

20-0006 F 233 of 286



July 22, 2019

Sent via: US mail

Colfax-Todds Valley Consolidated Tribe  
Clyde Prout, Chairman  
PO Box 4884  
Auburn, CA 95604

**Re: Invitation to Comment**  
**Proposed New Tower Build**  
**Site Number: CA4075 Site Name: Bavarian Hills**  
**2560 High Hill Road, Placerville, El Dorado County, CA 95667**  
**GE²G Project Number: 311130**

Dear Chairman Prout,

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Mr. Stephen T. Geist, President  
GE²G

**Attachments:**

Topographic Map and Street Map  
Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

Field Offices: Arizona, California, Colorado, Oregon, and Washington

20-0006 F 234 of 286



July 22, 2019

Sent via: US mail

Ione Band of Miwok Indians  
Sara Dutschke Setchwaelo, Chairperson  
PO Box 699  
Plymouth, CA 95669

**Re: Invitation to Comment**  
**Proposed New Tower Build**  
**Site Number: CA4075 Site Name: Bavarian Hills**  
**2560 High Hill Road, Placerville, El Dorado County, CA 95667**  
**GE²G Project Number: 311130**

Dear Chairperson Setchwaelo,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE²G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE²G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

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Sincerely,

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Mr. Stephen T. Geist, President  
GE²G

**Attachments:**

Topographic Map and Street Map  
Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

Field Offices: Arizona, California, Colorado, Oregon, and Washington

20-0006 F 235 of 286



July 22, 2019

**Sent via: US mail**

Nashville Enterprise Miwok-Maidu-Nishinam Tribe  
Cosme A Valdez, Chairperson  
PO Box 580986  
Elk Grove, CA 95758

**Re: Invitation to Comment  
Proposed New Tower Build  
Site Number: CA4075 Site Name: Bavarian Hills  
2560 High Hill Road, Placerville, El Dorado County, CA 95667  
GE²G Project Number: 311130**

Dear Chairperson Valdez,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE²G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE²G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

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Sincerely,

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Mr. Stephen T. Geist, President  
GE²G

**Attachments:**

Topographic Map and Street Map  
Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

Field Offices: Arizona, California, Colorado, Oregon, and Washington

20-0006 F 236 of 286



July 22, 2019

Sent via: US mail

Shingle Springs Band of Miwok Indians  
Regina Cuellar, Chairperson  
PO Box 1340  
Shingle Springs, CA 95682

**Re: Invitation to Comment  
Proposed New Tower Build  
Site Number: CA4075 Site Name: Bavarian Hills  
2560 High Hill Road, Placerville, El Dorado County, CA 95667  
GE²G Project Number: 311130**

Dear Chairperson Cuellar,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE²G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE²G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

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Sincerely,

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Mr. Stephen T. Geist, President  
GE²G

**Attachments:**

Topographic Map and Street Map  
Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

Field Offices: Arizona, California, Colorado, Oregon, and Washington

20-0006 F 237 of 286



July 22, 2019

Sent via: US mail

Tsi Akim Maidu  
Grayson Coney, Cultural Director  
PO Box 510  
Browns Valley, CA 95918

**Re: Invitation to Comment  
Proposed New Tower Build  
Site Number: CA4075 Site Name: Bavarian Hills  
2560 High Hill Road, Placerville, El Dorado County, CA 95667  
GE²G Project Number: 311130**

Dear Director Coney,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE²G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE²G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

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Sincerely,

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Mr. Stephen T. Geist, President  
GE²G

**Attachments:**

Topographic Map and Street Map  
Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

Field Offices: Arizona, California, Colorado, Oregon, and Washington

20-0006 F 238 of 286



July 22, 2019

Sent via: US mail

Tsi Akim Maidu  
Don Ryberg, Chairperson  
PO Box 510  
Browns Valley, CA 95918

**Re: Invitation to Comment  
Proposed New Tower Build  
Site Number: CA4075 Site Name: Bavarian Hills  
2560 High Hill Road, Placerville, El Dorado County, CA 95667  
GE²G Project Number: 311130**

Dear Chairperson Ryberg,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE²G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE²G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

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Sincerely,

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Mr. Stephen T. Geist, President  
GE²G

**Attachments:**

Topographic Map and Street Map  
Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

Field Offices: Arizona, California, Colorado, Oregon, and Washington

20-0006 F 239 of 286



July 22, 2019

**Sent via: US mail**

United Auburn Indian Community of the Auburn Rancheria  
 Gene Whitehouse, Chairperson  
 10720 Indian Hill Road  
 Auburn, CA 95603

**Re: Invitation to Comment  
 Proposed New Tower Build  
 Site Number: CA4075 Site Name: Bavarian Hills  
 2560 High Hill Road, Placerville, El Dorado County, CA 95667  
 GE²G Project Number: 311130**

Dear Chairperson Whitehouse,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE²G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE²G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

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Sincerely,

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Mr. Stephen T. Geist, President  
 GE²G

**Attachments:**

Topographic Map and Street Map  
 Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices: Arizona, California, Colorado, Oregon, and Washington**

20-0006 F 240 of 286



July 22, 2019

Sent via: US mail

Washoe Tribe of Nevada and California  
Darrel Cruz, Cultural Resource Department THPO  
919 Highway 395 North  
Gardnerville, NV 89410

**Re: Invitation to Comment**  
**Proposed New Tower Build**  
**Site Number: CA4075 Site Name: Bavarian Hills**  
**2560 High Hill Road, Placerville, El Dorado County, CA 95667**  
**GE<sup>2</sup>G Project Number: 311130**

Dear Mr. Cruz,

On behalf of Horizon Tower, LLC Geist Engineering and Environmental Group, Inc. (GE<sup>2</sup>G), has prepared this invitation to comment pursuant to Section 106 of the National Historic Preservation Act. This invitation to comment is in reference to the proposed new tower build. The purpose of this Invitation to Comment is to help determine if you or a party you know would like to issue any comments on the proposed facility potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. GE<sup>2</sup>G is only seeking specific comments about the potential for the Horizon Tower, LLC project undertaking new tower build to effect historical properties.

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Sincerely,

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Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

**Attachments:**

Topographic Map and Street Map  
Zoning Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

Field Offices: Arizona, California, Colorado, Oregon, and Washington

20-0006 F 241 of 286

4200 ARBY - 74 V. K. #149-6097  
 Name and Address of Sender  
**GE2C**  
 OAKLAND - CA 94612-75

Article Number

1. **BAVIN MILLS** ①
2. **NANC II 05 II** ②  
**311130**
3. ③
4. ④
5. ⑤
6. ⑥
7. X
8. 7

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  - ☐ Registered
  - ☐ Return Receipt for Merchandise
  - ☐ Signature Confirmation

Addressee (Name, Street, City, State, & ZIP Code™)

Colfax-Todds Valley Consolidated Tribe  
 Pamela Cubbler, Treasurer  
 PO Box 4884  
 Auburn, CA 95604

Colfax-Todds Valley Consolidated Tribe  
 Clyde Prout, Chairman  
 PO Box 4884  
 Auburn, CA 95604-4884

Lone Band of Miwok Indians  
 Sara Dutschke Setchwaelo, Chairperson  
 PO Box 699  
 Plymouth, CA 95669

Nashville Enterprise Miwok-Maidu-Nishinam Tribe  
 Cosme A Valdez, Chairperson  
 PO Box 580986  
 Elk Grove, CA 95758-0017

Shingle Springs Band of Miwok Indians  
 Regina Cuellar, Chairperson  
 PO Box 1340  
 Shingle Springs, CA 95682

Tsi Akim Maidu  
 Grayson Cone, Cultural Director  
 PO Box 510  
 Browns Valley, CA 95918

Postmaster, Per (Name of receiving employee)

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PS Form 3877, June 2011 (Page 1 of 2)

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Name and Address of Sender

4200 PARK BLVD  
OAKLAND - CALIFORNIA - 94602-6502  
GEIG

Article Number

⑦ CA4075  
BAVARIAN HILLS  
⑧ NAHL I of II  
311130  
⑨

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- ☐ Registered
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation

Addressee (Name, Street, City, State, & ZIP Code™)

Tsi Akim Maidu  
Don Ryberg, Chairperson  
PO Box 510  
Browns Valley, CA 95918-0510  
United Auburn Indian Community of The Auburn Rancheria  
Gene Whitehouse, Chairperson  
10720 Indian Hill Rd  
Auburn, CA 95603-9403

Washoe Tribe of Nevada And California  
Darrel Cruz, Cultural Resource Department THPO  
919 US Highway 395 N  
Gardnerville, NV 89410-8968

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PS Form 3877, June 2011 (Page 1 of 2)

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See Privacy Act Statement on Reverse

**NT SUBMISSION PACKET -- FCC FORM 620**

Approved by OMB  
3060-1039  
Estimated Time Per Response:  
.5 to 10 hours

**Attachment 11. SHPO Specific Forms**

Please see attached required SHPO form and GE<sup>2</sup>G Summary cover letter.

Applicant's Name: Horizon Tower, LLC  
Project Name: Bavarian Hills  
Project Number: CA4075  
FCC Form 620

**OFFICE OF HISTORIC PRESERVATION  
DEPARTMENT OF PARKS AND RECREATION**

1725 23<sup>rd</sup> Street, Suite 100  
SACRAMENTO, CA 95816-7100  
(916) 445-7000 Fax: (916) 445-7053 calshpo@parks.ca.gov  
www.ohp.parks.ca.gov



Dear FCC Applicant:

Section 106 FCC submissions will not be accepted unless this cover sheet is completed and attached.

Project Name AT&T CA4075 "Bavarian Hills"  
Project Address 2560 High Hill Rd. Placerville CA

Based on the information provided on the accompanying FCC Form 620 or Form 621 the following information applies to this project:

	There are buildings or structures over 45 years of age within this project's direct/indirect area of potential effect (APE).
	There is an archeological site located within this project's direct APE.
	A qualified archeologist has determined that the proposed project area is considered moderately to highly sensitive for archeological resources.

If the above boxes are blank, there are no historic properties within the direct or indirect project area. Therefore, pursuant to Stipulation VII.B.2 of the *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission* as quoted below, **your Section 106 responsibilities are complete:**

If the SHPO/THPO does not provide written notice to the Applicant that it agrees or disagrees with the Applicant's determination of No Historic Properties Affected within 30 days following receipt of a complete Submission Packet, it is deemed that no Historic Properties Exist within the APE or the Undertaking will have no effect on Historic Properties. The Section 106 process is then complete and the Applicant may proceed with the project, unless further processing for reasons other than Section 106 is required.

     Yes, this submission contains an eligibility determination requiring SHPO concurrence.   \* Yes, this submission contains tribal response. (***\*Standard NAHC and TCNS outreach with no responses of interest for monitoring or culturally significant areas indicated.***)

This project will: Not   X   Not Adversely          Adversely          affect Historic Properties.

The qualified project archeologist acknowledges that a pedestrian survey has been completed, a record search has been conducted at the appropriate California Historic Resources Information Center (IC) and that all submitted information is true.

Archeologist's signature

Date 7-15-19

**Please note, this letter pertains only to FCC projects being submitted to the California SHPO for comment.**

Sincerely,

Julianne Polanco  
State Historic Preservation Officer



July 26, 2019

Ms. Julianne Polanco  
State Historic Preservation Officer  
California Department of Parks and Recreation  
Office of Historic Preservation  
1725 23rd Street, Suite 100  
Sacramento, CA 95816-7100

Re: **FCC Form 620 Submission Packet / New Telecommunication Facility**  
**Horizon Name: Bavarian Hills / Horizon ID: CA4075**  
**2560 High Hill Road, Placerville, El Dorado County, CA 95667**  
**GE²G Project Number: 311130**

Dear Ms. Polanco,

Geist Engineering and Environmental Group, Inc. (GE²G), appreciates the opportunity to submit the attached Federal Communication Commission (FCC) National Environmental Policy Act (NEPA) Submission Packet Form 620 under the Section 106 rules of the National Historic Preservation Act (NHPA). This proposed undertaking does not meet the exclusions stated in the Nationwide Programmatic Agreement (NPA) for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC in 2004; therefore, this undertaking is required to undergo Section 106 review with the California SHPO.

The Site Parcel is developed with Madrona Vineyards and Madrona winery with a residential house present. There are no known prehistoric or NRHP-eligible historic resources within or within 1/2-mile of the project area. Horizon Towers, LLC has proposed to construct a new 125-foot tall monopole concealed as a monopine and a state of California approved 40-foot by 40-foot equipment shelter. GE²G has concluded a finding of No Historic Properties for Direct & Indirect Effects with the proposed monopine Horizon tower. At the time of this current Submittal Package one Federal tribe The United Auburn Indian Community has requested a Native American monitor be present for execution oversight.

This submittal presents the details on the proposed project as well as efforts that have been taken to identify, assess, and make determinations of effect on the impacts of the proposed telecommunications project on Historic Resources in accordance with the NPA for its potential effects to districts, sites, buildings, structures, or objects significant in American history, architecture, archeology, engineering, or culture that are listed, or potentially eligible for listing in the National Register of Historic Places (NRHP).

If you have any inquiries for this Horizon Tower, LLC proposed undertaking or would like any additional information, please contact me at by phone at (510) 238-8851, by mail 4200 Park Boulevard #149 Oakland California 94602, or [sgeist@GE2G.com](mailto:sgeist@GE2G.com).

Sincerely,

Stephen Geist, President,  
Geist Engineering and Environmental Group, Inc. (Direct phone # 510-238-8851)



## Section 106 - Filing Confirmation

FCC > Wireless > Section 106 Filings

Logged In: 0019661388 (Log Out)

**FCC Form 620**  
New Tower Submission

Current Status: **Submitted**  
Date of Submission: **07/26/2019**



[View/Print Submission Packet](#)

[Common Questions](#) << [Return To My Filings](#)

### Filing Confirmation

**Your filing has been Submitted.**  
**File Number: 0008740988**

Notification of this filing will be sent to the following Lead SHPO/THPO:

California Office of Historic Preservation  
Attn: Tristan Tozer  
942896Department of Parks & Recreation  
Sacramento, CA 94296-0001

Some SHPO/THPOs may have state specific archiving requirements. You should check with the above agency to determine if they need all or part of this filing submission in paper format.

[View all other parties notified of this filing](#)

A printable **submission packet** is generated for your manual records. Please make a note of this file number and print out this page for your records. A confirmation of this submitted filing will be emailed to the email address specified in your filing.

This system is intended to facilitate filing of Section 106 of the National Historic Preservation Act and use of this system in itself does not satisfy parties' obligations with respect to historic preservation review under the Commission's rules. Failure to receive automated notifications generated by this system does not relieve parties of legal responsibilities and/or justify failure to meet deadlines.

This notification is NOT an actual submission for Antenna Structure Registration. Tower Structures that require antenna structure registration based on FCC Rules 47 C.F.R. Part 17 must complete FCC Form 854 after FAA clearance is obtained.

Federal Communications Commission  
445 12th Street SW  
Washington, DC 20554



CA4047 / Bavarian Hills  
2560 High Hill Road  
Placerville, EL Dorado County CA

## Appendix F

### Native American Correspondence

(Additional Native American correspondence located within  
Appendix E -SHPO Submittal Receipt)

## Steve Geist

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, November 16, 2018 12:02 AM  
**To:** sgeist@geistenvironmental.com  
**Cc:** tcnsweekly@fcc.gov  
**Subject:** NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #6092739

Dear Applicant:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the notification that you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter). We note that the review period for all parties begins upon receipt of the Submission Packet pursuant to Section VII.A of the NPA and notifications that do not provide this serve as information only.

Persons who have received the notification that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribal Nations"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribal Nations and NHOs and in making further contacts, the City and State of the Seat of Government for each Tribal Nation and NHO, as well as the designated contact person, is included in the listing below. We note that Tribal Nations may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribal Nations and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribal Nation or NHO. (NPA, Section IV.F.4).

The notification that you provided was forwarded to the following Tribal Nations and NHOs. A Tribal Nation or NHO may not respond until a full Submission Packet is provided. If, upon receipt, the Tribal Nation or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribal Nation or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event a Tribal Nation or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribal Nation or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Second Report and Order released on March 30, 2018 (FCC 18-30).

1. THPO Josh Mann - Eastern Shoshone Tribe - (PO Box: 538) Fort Washakie, WY - jmann@easternshoshone.org; falene.russette@iresponse106.com - 307-438-0094 - electronic mail and regular mail  
Exclusions: The ancestors of the Eastern Shoshone Tribe lived a long and storied history across several states on their westward journey from the Western area to present-day Wyoming. This journey, confirmed by tribal oral history,

ethnographies, and archaeological evidence, took place over multiple generations and through the present-day states of North Dakota, South Dakota, Nebraska, Kansas, Colorado, Wyoming, Montana, Idaho, Washington, Oregon, California, Utah, Nevada, Arizona, New Mexico and Texas. Significant historical resources throughout this region include major sacred sites including burial sites, occupation areas, medicinal plant and resource collection areas, and other significant traditional cultural properties (TCPs). Therefore, based on the location of your proposed project, the Eastern Shoshone Tribe does have an interest in this proposed project and are requesting to be consulted on this proposed project as required by the mandates expressed in 36 CFR 800, EO 13175, and the FCC National Programmatic Agreement as traditionally associated peoples (TAPs) and a sovereign nation with legal responsibility for heritage preservation on ancestral homelands. Please utilize the online Tribal 106 processing system to submit your project details, at <http://iresponse106.com>.

2. THPO Darrel Cruz - Washoe Tribe of Nevada & California - 919 Highway 395 South Gardnerville, NV - [darrel.cruz@washoetribe.us](mailto:darrel.cruz@washoetribe.us) - 775-546-3421 - electronic mail

If the applicant/tower builder receives no response from the Washoe Tribe of Nevada & California within 30 days after notification through TCNS, the Washoe Tribe of Nevada & California has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder,

however, must immediately notify the Washoe Tribe of Nevada & California in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

3. Attorney Montana & Associates LLC - Skull Valley Band of Goshute Indians - N12923 N Prairie Rd Osseo, WI - [skullvalleybandofgoshutefcctcns@outlook.com](mailto:skullvalleybandofgoshutefcctcns@outlook.com) - 605-881-1227 - electronic mail and regular mail

4. Attorney Montana & Associates LLC - Northwestern Band of Shoshone Nation - N 12923 N. Prairie Rd Osseo, WI - [Northwesternbandshoshonetcnsfcc@outlook.com](mailto:Northwesternbandshoshonetcnsfcc@outlook.com) - 605-881-1227 - electronic mail

5. Chairman Shane Chapparosa - Los Coyotes Reservation - (PO Box: 189) Warner Springs, CA - [los\\_coyotes@ymail.com](mailto:los_coyotes@ymail.com); [loscoyotes\\_ta@yahoo.com](mailto:loscoyotes_ta@yahoo.com) - 760-782-0711 - electronic mail and regular mail

If the applicant/tower builder receives no response from the Los Coyotes Reservation within 30 days after notification through TCNS, the Los Coyotes Reservation has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder,

however, must immediately notify the Los Coyotes Reservation in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

6. THPO Mathew Moore - United Auburn Indian Community - 10720 Indian Hill Road Auburn, CA -  
mmoore@auburnrancheria.com; mguerrero@auburnrancheria.com - 530-883-2320 - electronic mail and regular mail

7. Chairperson Sara Dutschke Setshwaelo - Ione Band of Miwok Indians - (PO Box: 699) Plymouth, CA -  
Sara@ionemiwok.net; Culturalcommittee@ionemiwok.net - 209-257-5800 - electronic mail and regular mail

8. THPO Daniel Fonseca - Shingle Springs Rancheria - (PO Box: 1340) Shingle Springs, CA - kperry@ssband.org -  
530-306-3069 - electronic mail and regular mail

9. Tribal Historic Preservation Officer Antonio Ruiz - Wilton Rancheria - 9728 Kent Street Elk Grove, CA -  
aruiz@wiltonrancheria-nsn.gov; tribaloffice@wiltonrancheria-nsn.gov - 916-683-6000 (ext: 2005) - electronic mail and  
regular mail

The notification that you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA unless the project is excluded from SHPO review under Section III D or E of the NPA.

10. Deputy SHPO William Collins - Arizona State Parks - 1300 West Washington Phoenix, AZ -  
wcollins@pr.state.az.us - 602-542-4174 - electronic mail

TCNS automatically forwards all notifications to all Tribal Nations and SHPOs that have an expressed interest in the geographic area of a proposal. However, if a proposal for PTC wayside poles falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribal Nation or SHPO. In addition, a particular Tribal Nation or SHPO may also set forth policies or procedures within its details box that exclude from review certain facilities (for example, a statement that it does not review collocations with no ground disturbance; or that indicates that no response within 30 days indicates no interest in participating in pre-construction review).

Please be advised that the FCC cannot guarantee that the contact(s) listed above have opened and reviewed an electronic or regular mail notification. If you learn that any of the above contact information is no longer valid, please contact the FCC by emailing tcnshelp@fcc.gov. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 11/06/2018

Notification ID: 180197

Excluded from SHPO Review: No

Tower Owner Individual or Entity Name: Horizon Tower, LLC

Consultant Name: Steve T Geist

Street Address: 4200 Park Boulevard #149

City: Oakland

State: CALIFORNIA

Zip Code: 94602

Phone: 510-238-8851

Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole

Latitude: 38 deg 44 min 57.3 sec N

Longitude: 120 deg 43 min 14.7 sec W

Location Description: 2560 High Hill Road

City: Placerville

State: CALIFORNIA

County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills

GE2G 311130

Ground Elevation: 870.5 meters

Support Structure: 36.6 meters above ground level

Overall Structure: 38.1 meters above ground level

Overall Height AMSL: 908.6 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic Help Request form located on the FCC's website at:

<https://www.fcc.gov/wireless/available-support-services>

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8:00 a.m. to 6:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,

Federal Communications Commission

Project:

CA4075 / Placerville

 Edit (/consult/client/edit/27794)

Current Status	<u>EST: (Newly Uploaded)</u> NEW : Jul 22, 2019
Tribe	EST - 27794
Submitted By	Steve Geist
Submitted Date	Jul 22, 2019 6:24:47 PM
Client ID/TCNS	180197
Project Type	<u>FCC (FCC - Project with TCNS)</u>
Project Name	CA4075 / Placerville
Proposed Date	September 2019
Government Agencies	FCC
Land Ownership	Private
Location	Township 10N, Range 11E, Section 1
Lat/Long	38.74925, -120.72075 ( <a href="http://maps.google.com/maps?q=38.74925,-120.72075">http://maps.google.com/maps?q=38.74925,-120.72075</a> )
Project Description	Horizon Tower, LLC has proposed to build a new 125-foot tall monopole tower for local and national wireless carriers to add antennas and equipment within a 1,600 square foot lease area with road improvements. Ground disturbance will be completed as a part of this project.
Previous Disturbance	The Site Parcel is developed with Madrona Vineyards and Madrona winery with a residential house present. The Site Parcel is located north of High Hill Road and north of Highway 50. According to the El Dorado Assessor's Office the Site Parcel consists of 54.06-acres and is identified as Parcel Number (APN) 048-090-04-100. The residence was reportedly constructed in early 1970s. The current vineyard was planted in 1972 through 1973.

Payment Details - SEE INVOICES

## Attachments


File: CA4075 Bavarian Hills Revised Cultural.pdf (<https://eshosone1.s3.amazonaws.com/b2-2f-f3-a9317b7d94595af06be7ea25a5989a3b.pdf?response-content-disposition=attachment%3B%20filename%3DCA4075%20Bavarian%20Hills%20Revised%20Cultural.pdf&Signature=U5ggAzY0qToaoCRPoP%2BRxM4rgoM%3D&AWSAccessKeyId=AKIAJTMUARRECIPIYCTGA&Expires=1563823487>) (Jul 22, 2019)

<https://eshosone1.s3.amazonaws.com/b2-2f-f3-a9317b7d94595af06be7ea25a5989a3b.pdf?response-content-disposition=attachment%3B%20filename%3DCA4075%20Bavarian%20Hills%20Revised%20Cultural.pdf&Signature=U5ggAzY0qToaoCRPoP%2BRxM4rgoM%3D&AWSAccessKeyId=AKIAJTMUARRECIPIYCTGA&Expires=1563823487>

File: (HT18001) BAVARIAN HILLS 90 ZDs Rev4 2019-04-02.pdf (<https://eshosone1.s3.amazonaws.com/6a-a1-12-8db9bdd17f9fb5b498a5dc6ec12011be.pdf?response-content-disposition=attachment%3B%20filename%3D%28HT18001%29%20BAVARIAN%20HILLS%2090%20ZDs%20Rev4%202019-04-02.pdf&Signature=pZqBEdfpPxrE80m4vHUPcT64Ybs%3D&AWSAccessKeyId=AKIAJTMUARRECIPIYCTGA&Expires=1563823487>) (Jul 22, 2019)

<https://eshosone1.s3.amazonaws.com/6a-a1-12-8db9bdd17f9fb5b498a5dc6ec12011be.pdf?response-content-disposition=attachment%3B%20filename%3D%28HT18001%29%20BAVARIAN%20HILLS%2090%20ZDs%20Rev4%202019-04-02.pdf&Signature=pZqBEdfpPxrE80m4vHUPcT64Ybs%3D&AWSAccessKeyId=AKIAJTMUARRECIPIYCTGA&Expires=1563823487>

## Notes

 Add (/consult/27794/note/add)

No current notes for this consultation request.

## Invoices

#EST-28011  
Jul 22, 2019

\$500.00

 (/invoice/view/28011)

7/22/2019

Consultation Request | iResponse 106

iResponse 106 Consultation Management System Copyright © 2016, Tribal Processing Services LLC, All rights reserved.

**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, September 05, 2019 6:02 AM  
**To:** sgeist geistenvironmental.com  
**Cc:** tcnsweekly@fcc.gov  
**Subject:** Proposed Construction of Communications Facilities Notification of Final Contacts - Email ID #24844

Horizon Tower, LLC  
Steve T Geist  
4200 Park Boulevard #149  
Oakland, CA 94602

Dear Applicant:

This letter addresses the proposed communications facilities listed below that you have referred to the Federal Communications Commission (Commission) for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages (collectively Indian Tribes), and Native Hawaiian Organizations (NHOs), as specified by Section IV.G of the Nationwide Programmatic Agreement (NPA). Consistent with the procedures outlined in the Commission's Wireless Infrastructure Second Report and Order (1), we have contacted the Indian Tribes or NHOs identified in the attached Table for the projects listed in the attached Table. You referred these projects to us between 08/29/2019 and 09/05/2019. Our contact with these Tribal Nations or NHOs was sent on 09/05/2019.

Thus, as described in the Wireless Infrastructure Second Report and Order (2), if you or Commission staff do not receive a statement of interest regarding a particular project from any Tribe or NHO within 15 calendar days of 09/05/2019, your obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete. If a Tribal Nation or NHO responds that it has concerns about a historic property of traditional religious and cultural significance that may be affected by the proposed construction within the 15 calendar day period, the Applicant must involve it in the review as set forth in the NPA, and may not begin construction until the process set forth in the NPA is completed.

You are reminded that Section IX of the NPA imposes independent obligations on an Applicant when a previously unidentified site that may be a historic property, including an archeological property, is discovered during construction or after the completion of review. In such instances, the Applicant must cease construction and promptly notify, among others, any potentially affected Tribal Nation or NHO. A Tribal Nation's or NHO's failure to express interest in participating in pre-construction review of an undertaking does not necessarily mean it is not interested in archeological properties or human remains that may inadvertently be discovered during construction. Hence, an Applicant is still required to notify any potentially affected Tribal Nation or NHO of any such finds pursuant to Section IX or other applicable law.

Sincerely,  
Jill Springer  
Federal Preservation Officer  
Federal Communications Commission  
jill.springer@fcc.gov

---

1) See Accelerating Wireless Broadband Deployment by Removing Barriers to Infrastructure Deployment, Second Report and Order, FCC 18-30 (Mar. 30, 2018) (Wireless Infrastructure Second Report and Order).

2) See id. at paras. 111-112.

## LIST OF PROPOSED COMMUNICATIONS TOWERS

TCNS# 180197 Referred Date: 08/29/2019 Location: 2560 High Hill Road, Placerville, CA

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills

GE2G 311130

Tribe Name: Eastern Shoshone Tribe

Tribe Name: lone Band of Miwok Indians

Tribe Name: Wilton Rancheria

### LEGEND:

\* - Notification numbers are assigned by the Commission staff for sites where initial contact was not made through TCNS.

## Steve Geist

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, November 08, 2018 10:25 AM  
**To:** sgeist@geistenvironmental.com  
**Subject:** Reply to Proposed Tower Structure (Notification ID: 180197) - Email ID #6086076

Dear Steve T Geist,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Attorney Montana & Associates LLC of the Skull Valley Band of Goshute Indians in reference to Notification ID #180197:

We have an interest in this site and would like the applicant to contact us.

Montana & Associates LLC  
605-881-1227

Email all info to skullvalleybandofgoshutefcctns@outlook.com.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/06/2018  
Notification ID: 180197  
Tower Owner Individual or Entity Name: Horizon Tower, LLC  
Consultant Name: Steve T Geist  
Street Address: 4200 Park Boulevard #149  
City: Oakland  
State: CALIFORNIA  
Zip Code: 94602  
Phone: 510-238-8851  
Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole  
Latitude: 38 deg 44 min 57.3 sec N  
Longitude: 120 deg 43 min 14.7 sec W  
Location Description: 2560 High Hill Road  
City: Placerville  
State: CALIFORNIA  
County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills  
GE2G 311130  
Ground Elevation: 870.5 meters  
Support Structure: 36.6 meters above ground level  
Overall Structure: 38.1 meters above ground level  
Overall Height AMSL: 908.6 meters above mean sea level

**From:** sgeist geistenvironmental.com  
**Sent:** Monday, July 22, 2019 11:34 AM  
**To:** skullvalleybandofgoshutefcctcns@outlook.com  
**Cc:** sgeist geistenvironmental.com  
**Subject:** TCNS 180197\_Proposed New Tower (Placerville) El Dorado County CA  
**Attachments:** TCNS\_180197\_Skull Valley Band of Goshute Indians \_7 22 19.pdf

Montana & Associates LLC,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (GE2G), has prepared this attachment to allow the Skull Valley Band of Goshute Indians the opportunity to comment. The purpose of this Invitation to Comment is to request background information to help determine if the Skull Valley Band of Goshute Indians tribe would like to issue any comments on the proposed antenna modification of an existing facility to have potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. Please review the attachments and let me know if the Skull Valley Band of Goshute Indians intends to comment on this project.

Thank you

**Stephen T. Geist** • President



**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

Field Offices: Arizona, California, Colorado, Oregon, and Washington

Corporate: 4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)

[sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)



July 22, 2019

**Us Mail & Email:** [skullvalleybandofgoshutefcctns@outlook.com](mailto:skullvalleybandofgoshutefcctns@outlook.com)

Skull Valley Band of Goshute Indians  
Attorney Montana & Associates LLC  
N12923 North Prairie Road  
Osseo, WI 54758

Re: Section 106 Consultation Invitation to Comment

Dear Montana & Associates,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (herein, GE<sup>2</sup>G), has prepared this invitation to comment pursuant the TCNS response received as a part of the active Section 106 outreach for this proposed telecommunications undertaking in accordance with the National Historic Preservation Act. The purpose of this Invitation to Comment is to allow your tribe the opportunity to issue any comments on the proposed undertaking potential effects to known archaeology resources, traditional cultural resources, and/or historical properties.

**GE<sup>2</sup>G Project Number:** 311130

**TCNS #:** 180197

**Address:** 2560 High Hill Road, Placerville, El Dorado County, CA 95667

**Project Name:** CA4075

**USGS Topographic Quadrangle:** Camino CA (Township: 10 North, Range: 11 East, Section: 1)

**Ground Disturbance:** Existing Wireless facility. Yes for foundations, and utilities

**Property/Project Description:** Horizon Towers, LLC proposes install a new monopole tower and associated ground equipment facility. The new tower will be 125-feet in height above grade with concealment (monotree). Additionally Horizon Tower, LLC will install support equipment within a new ground lease area for local and national wireless carriers. Telco and Power will have a new underground conduit routes to utility connection points about ~1,600-feet on the Site Parcel. An existing gravel access road will be utilized for the majority of the access and utility conduits with a new road extension to the tower. It is likely the telco will be via a microwave dish. New ground excavation will occur. It is anticipated that utility subsurface installations will not exceed 52-inches in depth while the tower foundation is likely to be at least 30-feet below grade surface.

**Comments:**

Comments on this proposed undertaking may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments would be greatly appreciated.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices:** Arizona, California, Colorado, Oregon, and Washington

20-0006 F 260 of 286

Name and Address of Sender

4200 PARKVIEW AVE  
OAKLAND, CA 94611  
WARD #149-1009  
G E'G  
Article Number

Check type of mail or service:

- ☐ Adult Signature Required  
☐ Certified Mail  
☐ COD  
☐ Delivery Confirmation  
☐ Express Mail  
☐ Insured
- ☐ Adult Signature Restricted Delivery  
☐ Recorded Delivery (International)  
☐ Registered  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation

Addressee (Name, Street, City, State, & ZIP Code™)

Skull Valley Band of Goshute Indians  
Attorney Montana & Associates LLC  
N12923 N Prairie Rd  
Osseo, WI 54758-7923

Northwestern Band of Shoshone Nation  
Attorney Montana & Associates LLC  
N12923 N Prairie Rd  
Osseo, WI 54758-7923

Ione Band of Miwok Indians  
Sara Dutschke Setshwaelo, Chairperson  
PO Box 699  
Plymouth, CA 95669

Wilton Rancheria  
Antonio Ruiz, THPO  
9728 Kent Street  
Elk Grove, CA 95624

Postage

11111

Fee

Handling Charge

Actual Value if Registered

Insured Value

Due Sender if COD

ASR Fee

ASRD Fee

DC Fee

SC Fee

SH Fee

RD Fee

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Article Number

1. 17CNS

2. CA4075

3. BAVarian Mills

4. 3 11130

5. X

6. X

7. X

8. X

Total Number of Pieces Listed by Sender

Total Number of Pieces Received at Post Office

Postmaster Per (Name of receiving employee)

PS Form 3870 June 2011 Page 1 of 2

Complete by Typewriter, Ink, or Ball Point Pen

See Privacy Act Statement on Reverse

**From:** Montana Associates LLC Skull Valley Band of Goshute  
<SkullvalleybandofgoshuteFCCTCNS@outlook.com>  
**Sent:** Monday, July 29, 2019 10:04 AM  
**To:** sgeist geistenvironmental.com  
**Subject:** TCNS Reviews

The Skull Valley Band of Goshute has reviewed TCNS 186040 180197

Thank-you for the necessary documentation for us to review your proposed projects. We have no issues with any historic properties within the APE that we have affiliation to. Please contact us in the event the ground disturbance inadvertently uncovers human remains and or archaeological/cultural material. Should any changes in the project be made please notify this office of the changes before further project planning continues.

Thank-you.

**RE: Deployments of Antennas, Small Boxes and Macro Towers**

**Dear Applicant:**

**Please be advised that the failure to pay our review fees will result in litigation being filed against your company in the tribal court that has jurisdiction over our clients' interests and your failure to pay for our clients' work product.**

**This includes your deployment on this TCNS project which was reviewed by our client today.**

**Any questions, please contact Mr. Gary Montana, Senior Attorney, Montana & Associates, LLC. Office 1-715-597-6464 Fax 1-715-597-3508**

**Sincerely,**

**Montana & Associates, LLC**

---

MONTANA & ASSOCIATES, LLC  
N 12923 N Prairie Rd.  
Osseo, WI 54758

## Steve Geist

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Friday, November 16, 2018 2:30 PM  
**To:** sgeist@geistenvironmental.com  
**Subject:** Reply to Proposed Tower Structure (Notification ID: 180197) - Email ID #6104031

Dear Steve T Geist,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Attorney Montana & Associates LLC of the Northwestern Band of Shoshone Nation in reference to Notification ID #180197:

We have an interest in this site and would like the applicant to contact us.

Montana & Associates LLC  
605-881-1227

Please email all info to Northwesternbandshoshonetcnsfcc@outlook.com

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/06/2018  
Notification ID: 180197  
Tower Owner Individual or Entity Name: Horizon Tower, LLC  
Consultant Name: Steve T Geist  
Street Address: 4200 Park Boulevard #149  
City: Oakland  
State: CALIFORNIA  
Zip Code: 94602  
Phone: 510-238-8851  
Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole  
Latitude: 38 deg 44 min 57.3 sec N  
Longitude: 120 deg 43 min 14.7 sec W  
Location Description: 2560 High Hill Road  
City: Placerville  
State: CALIFORNIA  
County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills  
GE2G 311130  
Ground Elevation: 870.5 meters  
Support Structure: 36.6 meters above ground level  
Overall Structure: 38.1 meters above ground level  
Overall Height AMSL: 908.6 meters above mean sea level

**From:** sgeist geistenvironmental.com  
**Sent:** Monday, July 22, 2019 11:38 AM  
**To:** Northwesternbandshoshonetcnsfcc@outlook.com  
**Cc:** sgeist geistenvironmental.com  
**Subject:** TCNS 180197\_Proposed New Tower (Placerville) El Dorado County CA  
**Attachments:** TCNS\_180197\_Northwestern Band of Shoshone Nation \_7 22 19.pdf

Montana & Associates LLC,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (GE2G), has prepared this attachment to allow the Northwestern Band of Shoshone Nation Indians the opportunity to comment. The purpose of this Invitation to Comment is to request background information to help determine if the Northwestern Band of Shoshone Nation tribe would like to issue any comments on the proposed antenna modification of an existing facility to have potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. Please review the attachments and let me know if the Northwestern Band of Shoshone Nation intends to comment on this project.

Thank you

**Stephen T. Geist** • President



**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

Field Offices: Arizona, California, Colorado, Oregon, and Washington

Corporate: 4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)

[GE2G.com](http://GE2G.com) / [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)



July 22, 2019

**Us Mail & Email:** [Northwesternbandshoshonetcnsfcc@outlook.com](mailto:Northwesternbandshoshonetcnsfcc@outlook.com)

Northwestern Band of Shoshone Nation  
Attorney Montana & Associates LLC  
N12923 North Prairie Road  
Osseo, WI 54758

Re: Section 106 Consultation Invitation to Comment

Dear Montana & Associates,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (herein, GE<sup>2</sup>G), has prepared this invitation to comment pursuant the TCNS response received as a part of the active Section 106 outreach for this proposed telecommunications undertaking in accordance with the National Historic Preservation Act. The purpose of this Invitation to Comment is to allow your tribe the opportunity to issue any comments on the proposed undertaking potential effects to known archaeology resources, traditional cultural resources, and/or historical properties.

**GE<sup>2</sup>G Project Number:** 311130

**TCNS #:** 180197

**Address:** 2560 High Hill Road, Placerville, El Dorado County, CA 95667

**Project Name:** CA4075

**USGS Topographic Quadrangle:** Camino CA (Township: 10 North, Range: 11 East, Section: 1)

**Ground Disturbance:** Existing Wireless facility. Yes for foundations, and utilities

**Property/Project Description:** Horizon Towers, LLC proposes install a new monopole tower and associated ground equipment facility. The new tower will be 125-feet in height above grade with concealment (monotree). Additionally Horizon Tower, LLC will install support equipment within a new ground lease area for local and national wireless carriers. Telco and Power will have a new underground conduit routes to utility connection points about ~1,600-feet on the Site Parcel. An existing gravel access road will be utilized for the majority of the access and utility conduits with a new road extension to the tower. It is likely the telco will be via a microwave dish. New ground excavation will occur. It is anticipated that utility subsurface installations will not exceed 52-inches in depth while the tower foundation is likely to be at least 30-feet below grade surface.

**Comments:**

Comments on this proposed undertaking may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments would be greatly appreciated.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices:** Arizona, California, Colorado, Oregon, and Washington

20-0006 F 266 of 286

Name and Address of Sender

Check type of mail or service:

- ☐ Adult Signature Required  
☐ Certified Mail  
☐ COD  
☐ Delivery Confirmation  
☐ Express Mail  
☐ Insured  
☐ Adult Signature Restricted Delivery  
☐ Recorded Delivery (International)  
☐ Registered  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation

Affix Stamp Here  
(If issued as a  
certificate of mailing  
or for additional  
copies of this bill)  
Postmark and  
Date of Receipt

Article Number	Addressee (Name, Street, City, State, & ZIP Code™)	Postage	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	ASR Fee	ASRD Fee	DC Fee	SC Fee	SH Fee	RD Fee
1. <b>TCNS</b> <b>CA4075</b>	Skull Valley Band of Goshute Indians Attorney Montana & Associates LLC N12923 N Prairie Rd Osseo, WI 54758-7923											
2. <b>BAU</b> <b>3 11130</b>	Northwestern Band of Shoshone Nation Attorney Montana & Associates LLC N12923 N Prairie Rd Osseo, WI 54758-7923											
3. <b>Wilton Rancheria</b> <b>Antonio Ruiz, THPO</b> <b>9728 Kent Street</b> <b>Elk Grove, CA 95624</b>	Wilton Rancheria Antonio Ruiz, THPO 9728 Kent Street Elk Grove, CA 95624											
4. <b>BAU</b> <b>3 11130</b>	lone Band of Miwok Indians Sara Dutschke Setshwaelo, Chairperson PO Box 699 Plymouth, CA 95669											
5. <b>BAU</b> <b>3 11130</b>	lone Band of Miwok Indians Sara Dutschke Setshwaelo, Chairperson PO Box 699 Plymouth, CA 95669											
6. <b>BAU</b> <b>3 11130</b>	lone Band of Miwok Indians Sara Dutschke Setshwaelo, Chairperson PO Box 699 Plymouth, CA 95669											
7. <b>BAU</b> <b>3 11130</b>	lone Band of Miwok Indians Sara Dutschke Setshwaelo, Chairperson PO Box 699 Plymouth, CA 95669											
8. <b>BAU</b> <b>3 11130</b>	lone Band of Miwok Indians Sara Dutschke Setshwaelo, Chairperson PO Box 699 Plymouth, CA 95669											
Total Number of Pieces Listed by Sender		Total Number of Pieces Received at Post Office		Postmaster Per (Name of receiving employee)								

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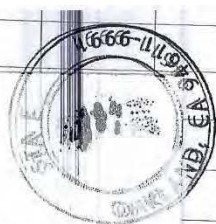
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PS Form 3876 June 2011 Page 1 of 2

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See Privacy Act Statement on Reverse

**From:** Northwestern Band Of The Shoshone Nation  
<Northwesternbandshoshonetcnsfcc@outlook.com>  
**Sent:** Wednesday, July 24, 2019 4:45 PM  
**To:** sgeist geistenvironmental.com  
**Subject:** TCNS Reviews

The Northwestern Band of Shoshone has reviewed TCNS 186040 180197

Thank-you for the necessary documentation for us to review your proposed projects. We have no issues with any historic properties within the APE that we have affiliation to. Please contact us in the event the ground disturbance inadvertently uncovers human remains and or archaeological/cultural material. Should any changes in the project be made please notify this office of the changes before further project planning continues.

Thank-you.

**RE: Deployments of Antennas, Small Boxes and Macro Towers**

**Dear Applicant:**

**Please be advised that the failure to pay our review fees will result in litigation being filed against your company in the tribal court that has jurisdiction over our clients' interests and your failure to pay for our clients' work product.**

**This includes your deployment on this TCNS project which was reviewed by our client today.**

**Any questions, please contact Mr. Gary Montana, Senior Attorney, Montana & Associates, LLC. Office 1-715-597-6464 Fax 1-715-597-3508**

**Sincerely,**

**Montana & Associates, LLC**

Montana & Associates LLC For  
Northwestern Band Of The Shoshone Nation  
N 12923 N Prairie Rd  
Osseo, WI 54758

## Steve Geist

---

**From:** SWH <miwoksteve@gmail.com>  
**Sent:** Thursday, December 06, 2018 11:20 AM  
**To:** Steve Geist  
**Cc:** mmoore@auburnrancheria.com; Marcos Guerrero  
**Subject:** Re: CA4075 BAVARIAN HILLS TCNS 180197

Thank you for the information Steve.

Steven Hutchason  
UAIC Tribal Monitor

On Dec 6, 2018, at 11:11 AM, Steve Geist <[sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)> wrote:

Mr. Steve Hutchinson,

Today GE2G received a call from your about TCNS 180197 / CA4075 (Reference phone number 916-295-9835). You stated that the Auburn Rancheria has requested that a monitor be present for excavation.

As we discussed this project is under active NEPA and County review and approvals are not expected until mid to late 2019.

As the project progresses I will keep the Auburn Rancheria informed.

Thank you

**Stephen T. Geist** • President

<image001.jpg>

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**  
Field Offices: Arizona, California, Colorado, Oregon, and Washington  
Corporate: 4200 Park Boulevard #149, Oakland, California 94602  
510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)  
[GE2G.com](http://GE2G.com) / [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)

**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, December 13, 2018 8:21 PM  
**To:** sgeist@geistenvironmental.com  
**Subject:** Reply to Proposed Tower Structure (Notification ID: 180197) - Email ID #6132173

Dear Steve T Geist,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Mathew Moore of the United Auburn Indian Community in reference to Notification ID #180197:

We have an interest in this site and would like the applicant to contact us.

Steven Hutchason  
916-295-9835

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/06/2018  
Notification ID: 180197  
Tower Owner Individual or Entity Name: Horizon Tower, LLC  
Consultant Name: Steve T Geist  
Street Address: 4200 Park Boulevard #149  
City: Oakland  
State: CALIFORNIA  
Zip Code: 94602  
Phone: 510-238-8851  
Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole  
Latitude: 38 deg 44 min 57.3 sec N  
Longitude: 120 deg 43 min 14.7 sec W  
Location Description: 2560 High Hill Road  
City: Placerville  
State: CALIFORNIA  
County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills  
GE2G 311130  
Ground Elevation: 870.5 meters  
Support Structure: 36.6 meters above ground level  
Overall Structure: 38.1 meters above ground level  
Overall Height AMSL: 908.6 meters above mean sea level



MIWOK United Auburn Indian Community  
MAIDU of the Auburn Rancheria

Gene Whitehouse  
Chairman

John L. Williams  
Vice Chairman

Calvin Moman  
Secretary

Jason Camp  
Treasurer

Gabe Cayton  
Council Member

August 20, 2019

Stephen T. Geist  
Geist Environmental Group  
4200 Park Boulevard #149  
Oakland, CA 94602

Subject: Invitation to Comment - Proposed New Tower Build Site No. CA4075: Bavarian Hills

Dear Stephen T. Geist,

Thank you for requesting consultation regarding the above referenced project. The United Auburn Indian Community (UAIC) of the Auburn Rancheria is comprised of Miwok and Southern Maidu (Nisenan) people whose tribal lands are within Placer County and whose service area includes El Dorado, Nevada, Placer, Sacramento, Sutter, and Yuba counties. The UAIC is concerned about development within its aboriginal territory that has potential to impact the lifeways, cultural sites, and landscapes that may be of sacred or ceremonial significance. We appreciate the opportunity to comment on this and other projects in UAIC's geographic area of traditional and cultural affiliation.

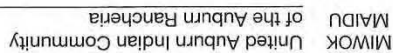
Based on the information provided by your agency, our records indicate that this project is not likely to affect cultural resources that may be of importance to the UAIC. However, please continue to send us copies of the proposed project's environmental documents so that we have the opportunity to comment on potential impacts and proposed mitigation measures related to cultural resources. The information gathered will provide us with a better understanding of the project and the cultural resources on site and is invaluable for consultation purposes. Finally, please contact us if you find any Native American cultural resources in, or around, your project area.

Thank you again for taking these matters into consideration, and for involving the UAIC in the planning process. We look forward to reviewing the additional documents requested. Please contact Anna M. Starkey, Cultural Regulatory Specialist, at (916) 251-1565 or email at [astarkey@auburnrancheria.com](mailto:astarkey@auburnrancheria.com) if you have any questions.

Sincerely,

Gene Whitehouse,  
Chairman

CC: Matthew Moore, Tribal Historic Preservation Officer



Tribal Office  
10720 Indian Hill Road  
Auburn, CA 95603

Stephen T. Geist  
Geist Environmental Group  
4200 Park Boulevard #149  
Oakland, CA 94602



090826Z

[illegible]

**From:** sgeist geistenvironmental.com  
**Sent:** Monday, July 22, 2019 11:48 AM  
**To:** Sara@ionemiwok.net  
**Cc:** Culturalcommittee@ionemiwok.net  
**Subject:** TCNS 180197\_Proposed New Tower (Placerville) El Dorado County CA (corrected version)  
**Attachments:** TCNS\_180197\_Ione Band of Miwok Indians \_7 22 19.pdf

Chairperson Sara Dutschke Setshwaelo,

Corrected version correctly addressed to the Ione Band of Miwok Indians

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (GE2G), has prepared this attachment to allow the Ione Band of Miwok Indians the opportunity to comment. The purpose of this Invitation to Comment is to request background information to help determine if the Ione Band of Miwok Indians tribe would like to issue any comments on the proposed antenna modification of an existing facility to have potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. Please review the attachments and let me know if the Ione Band of Miwok Indians intends to comment on this project.

Thank you

**Stephen T. Geist • President**



**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

Field Offices: Arizona, California, Colorado, Oregon, and Washington

Corporate: 4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)

[sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)



July 22, 2019

Us Mail & Email: [sara@ionemiwok.net](mailto:sara@ionemiwok.net)

Ione Band of Miwok Indians  
Sara Dutschke Setshwaelo, Chairperson  
PO Box 699  
Plymouth, CA 95669

Re: Section 106 Consultation Invitation to Comment

Dear Ms. Setshwaelo,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (herein, GE<sup>2</sup>G), has prepared this invitation to comment pursuant the TCNS response received as a part of the active Section 106 outreach for this proposed telecommunications undertaking in accordance with the National Historic Preservation Act. The purpose of this Invitation to Comment is to allow your tribe the opportunity to issue any comments on the proposed undertaking potential effects to known archaeology resources, traditional cultural resources, and/or historical properties.

**GE<sup>2</sup>G Project Number:** 311130

**TCNS #:** 180197

**Address:** 2560 High Hill Road, Placerville, El Dorado County, CA 95667

**Project Name:** CA4075

**USGS Topographic Quadrangle:** Camino CA (Township: 10 North, Range: 11 East, Section: 1)

**Ground Disturbance:** Existing Wireless facility. Yes for foundations, and utilities

**Property/Project Description:** Horizon Towers, LLC proposes install a new monopole tower and associated ground equipment facility. The new tower will be 125-feet in height above grade with concealment (monotree). Additionally Horizon Tower, LLC will install support equipment within a new ground lease area for local and national wireless carriers. Telco and Power will have a new underground conduit routes to utility connection points about ~1,600-feet on the Site Parcel. An existing gravel access road will be utilized for the majority of the access and utility conduits with a new road extension to the tower. It is likely the telco will be via a microwave dish. New ground excavation will occur. It is anticipated that utility subsurface installations will not exceed 52-inches in depth while the tower foundation is likely to be at least 30-feet below grade surface.

**Comments:**

Comments on this proposed undertaking may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments would be greatly appreciated.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices:** Arizona, California, Colorado, Oregon, and Washington

20-0006 F 275 of 286



**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, September 05, 2019 6:02 AM  
**To:** sgeist geistenvironmental.com  
**Cc:** tcnsweekly@fcc.gov  
**Subject:** Proposed Construction of Communications Facilities Notification of Final Contacts - Email ID #24844

Horizon Tower, LLC  
Steve T Geist  
4200 Park Boulevard #149  
Oakland, CA 94602

Dear Applicant:

This letter addresses the proposed communications facilities listed below that you have referred to the Federal Communications Commission (Commission) for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages (collectively Indian Tribes), and Native Hawaiian Organizations (NHOs), as specified by Section IV.G of the Nationwide Programmatic Agreement (NPA). Consistent with the procedures outlined in the Commission's Wireless Infrastructure Second Report and Order (1), we have contacted the Indian Tribes or NHOs identified in the attached Table for the projects listed in the attached Table. You referred these projects to us between 08/29/2019 and 09/05/2019. Our contact with these Tribal Nations or NHOs was sent on 09/05/2019.

Thus, as described in the Wireless Infrastructure Second Report and Order (2), if you or Commission staff do not receive a statement of interest regarding a particular project from any Tribe or NHO within 15 calendar days of 09/05/2019, your obligations under Section IV of the NPA with respect to these Tribal Nations or NHOs are complete. If a Tribal Nation or NHO responds that it has concerns about a historic property of traditional religious and cultural significance that may be affected by the proposed construction within the 15 calendar day period, the Applicant must involve it in the review as set forth in the NPA, and may not begin construction until the process set forth in the NPA is completed.

You are reminded that Section IX of the NPA imposes independent obligations on an Applicant when a previously unidentified site that may be a historic property, including an archeological property, is discovered during construction or after the completion of review. In such instances, the Applicant must cease construction and promptly notify, among others, any potentially affected Tribal Nation or NHO. A Tribal Nation's or NHO's failure to express interest in participating in pre-construction review of an undertaking does not necessarily mean it is not interested in archeological properties or human remains that may inadvertently be discovered during construction. Hence, an Applicant is still required to notify any potentially affected Tribal Nation or NHO of any such finds pursuant to Section IX or other applicable law.

Sincerely,  
Jill Springer  
Federal Preservation Officer  
Federal Communications Commission  
jill.springer@fcc.gov

---

1) See Accelerating Wireless Broadband Deployment by Removing Barriers to Infrastructure Deployment, Second Report and Order, FCC 18-30 (Mar. 30, 2018) (Wireless Infrastructure Second Report and Order).

2) See id. at paras. 111-112.

## LIST OF PROPOSED COMMUNICATIONS TOWERS

TCNS# 180197 Referred Date: 08/29/2019 Location: 2560 High Hill Road, Placerville, CA

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills

GE2G 311130

Tribe Name: Eastern Shoshone Tribe

Tribe Name: lone Band of Miwok Indians

Tribe Name: Wilton Rancheria

### LEGEND:

\* - Notification numbers are assigned by the Commission staff for sites where initial contact was not made through TCNS.

## Steve Geist

---

**From:** towernotifyinfo@fcc.gov  
**Sent:** Thursday, November 29, 2018 10:31 AM  
**To:** sgeist@geistenvironmental.com  
**Cc:** tcns.fccarchive@fcc.gov; kperry@ssband.org  
**Subject:** Reply to Proposed Tower Structure (Notification ID: 180197) - Email ID #6115072

Dear Steve T Geist,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from THPO Daniel Fonseca of the Shingle Springs Rancheria in reference to Notification ID #180197:

We have no interest in this site. However, if the Applicant discovers archaeological remains or resources during construction, the Applicant should immediately stop construction and notify the appropriate Federal Agency and the Tribe.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 11/06/2018  
Notification ID: 180197  
Tower Owner Individual or Entity Name: Horizon Tower, LLC  
Consultant Name: Steve T Geist  
Street Address: 4200 Park Boulevard #149  
City: Oakland  
State: CALIFORNIA  
Zip Code: 94602  
Phone: 510-238-8851  
Email: sgeist@geistenvironmental.com

Structure Type: MTOWER - Monopole  
Latitude: 38 deg 44 min 57.3 sec N  
Longitude: 120 deg 43 min 14.7 sec W  
Location Description: 2560 High Hill Road  
City: Placerville  
State: CALIFORNIA  
County: EL DORADO

Detailed Description of Project: New Site Build. New tower and master ground lease area designed for several wireless carriers. New ground disturbance to be completed for utilities and access road.

Horizon CA4075 Bavarian Hills

GE2G 311130

Ground Elevation: 870.5 meters

Support Structure: 36.6 meters above ground level

Overall Structure: 38.1 meters above ground level

Overall Height AMSL: 908.6 meters above mean sea level

**From:** sgeist geistenvironmental.com  
**Sent:** Monday, July 22, 2019 11:55 AM  
**To:** aruiz@wiltonrancheria-nsn.gov  
**Cc:** tribaloffice@wiltonrancheria-nsn.gov  
**Subject:** TCNS 180197\_Proposed New Tower (Placerville) El Dorado County  
**Attachments:** TCNS\_180197\_Wilton Rancheria \_7 22 19.pdf

Mr. Ruiz,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (GE2G), has prepared this attachment to allow the Wilton Rancheria Indians the opportunity to comment. The purpose of this Invitation to Comment is to request background information to help determine if the Wilton Rancheria tribe would like to issue any comments on the proposed antenna facility to have potential effects to known archaeology resources, traditional cultural resources, and/or historical properties. Please review the attachments and let me know if the intends to comment on this project.

Thank you

**Stephen T. Geist • President**



**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

Field Offices: Arizona, California, Colorado, Oregon, and Washington

Corporate: 4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) • 510.610.1453 (m) • 510.238.8644 (f)

[sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com)



July 22, 2019

Us Mail & Email: [aruiz@wiltonrancheria-nsn.gov](mailto:aruiz@wiltonrancheria-nsn.gov)

Wilton Rancheria  
Antonio Ruiz, THPO  
9728 Kent Street  
Elk Grove, CA 95624

Re: Section 106 Consultation Invitation to Comment

Dear Mr. Ruiz,

On behalf of Horizon Tower, LLC, Geist Engineering and Environmental Group, Inc. (herein, GE<sup>2</sup>G), has prepared this invitation to comment pursuant the TCNS response received as a part of the active Section 106 outreach for this proposed telecommunications undertaking in accordance with the National Historic Preservation Act. The purpose of this Invitation to Comment is to allow your tribe the opportunity to issue any comments on the proposed undertaking potential effects to known archaeology resources, traditional cultural resources, and/or historical properties.

**GE<sup>2</sup>G Project Number:** 311130

**TCNS #:** 180197

**Address:** 2560 High Hill Road, Placerville, El Dorado County, CA 95667

**Project Name:** CA4075

**USGS Topographic Quadrangle:** Camino CA (Township: 10 North, Range: 11 East, Section: 1)

**Ground Disturbance: Existing Wireless facility.** Yes for foundations, and utilities

**Property/Project Description:** Horizon Towers, LLC proposes install a new monopole tower and associated ground equipment facility. The new tower will be 125-feet in height above grade with concealment (monotree). Additionally Horizon Tower, LLC will install support equipment within a new ground lease area for local and national wireless carriers. Telco and Power will have a new underground conduit routes to utility connection points about ~1,600-feet on the Site Parcel. An existing gravel access road will be utilized for the majority of the access and utility conduits with a new road extension to the tower. It is likely the telco will be via a microwave dish. New ground excavation will occur. It is anticipated that utility subsurface installations will not exceed 52-inches in depth while the tower foundation is likely to be at least 30-feet below grade surface.

**Comments:**

Comments on this proposed undertaking may be referred to GE<sup>2</sup>G via phone 510-238-8851, email [sgeist@geistenvironmental.com](mailto:sgeist@geistenvironmental.com) or in writing to GE<sup>2</sup>G, 4200 Park Boulevard #149, Oakland California 94602 (please reference GE<sup>2</sup>G project number 311130 with any correspondence). Any comments would be greatly appreciated.

Sincerely,

Mr. Stephen T. Geist, President  
GE<sup>2</sup>G

Topographic Map, Street Map, and Drawings

**GEIST ENGINEERING AND ENVIRONMENTAL GROUP, INC.**

4200 Park Boulevard #149, Oakland, California 94602

510.238.8851 (p) / 510.238.8644 (f)

**Field Offices: Arizona, California, Colorado, Oregon, and Washington**

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Osseo, WI 54758-7923

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N12923 N Prairie Rd  
Osseo, WI 54758-7923

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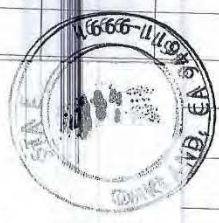
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**From:** Antonio Ruiz <aruiz@wiltonrancheria-nsn.gov>  
**Sent:** Thursday, August 01, 2019 2:11 PM  
**To:** sgeist geistenvironmental.com  
**Cc:** Ralph T. Hatch; Mariah Mayberry  
**Subject:** TCNS #180197 (El Dorado County)

Hello Mr. Geist,

Thank you for your letter in regards to the above proposed undertaking. Wilton Rancheria has identified Cultural Resources in close proximity to the project area and would recommend having Tribal Monitor(s) present during construction. Spot-check monitor would be suffice for this project. Please let me know how we can make this happen.

Best,  
Antonio



Antonio Ruiz  
Tribal Historic Preservation Officer  
Department of Cultural Preservation | Wilton Rancheria  
Tel: 916-683-6000 Ext. 2005 | Fax: 916-683-6015  
9728 Kent Street | Elk Grove | CA | 95624  
aruiz@wiltonrancheria-nsn.gov  
www.wiltonrancheria-nsn.gov

Customer Service Hours: M-F 8:00 AM-3:00 PM.

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## Appendix G

### FEMA Floodplain Map



**Figure 5**

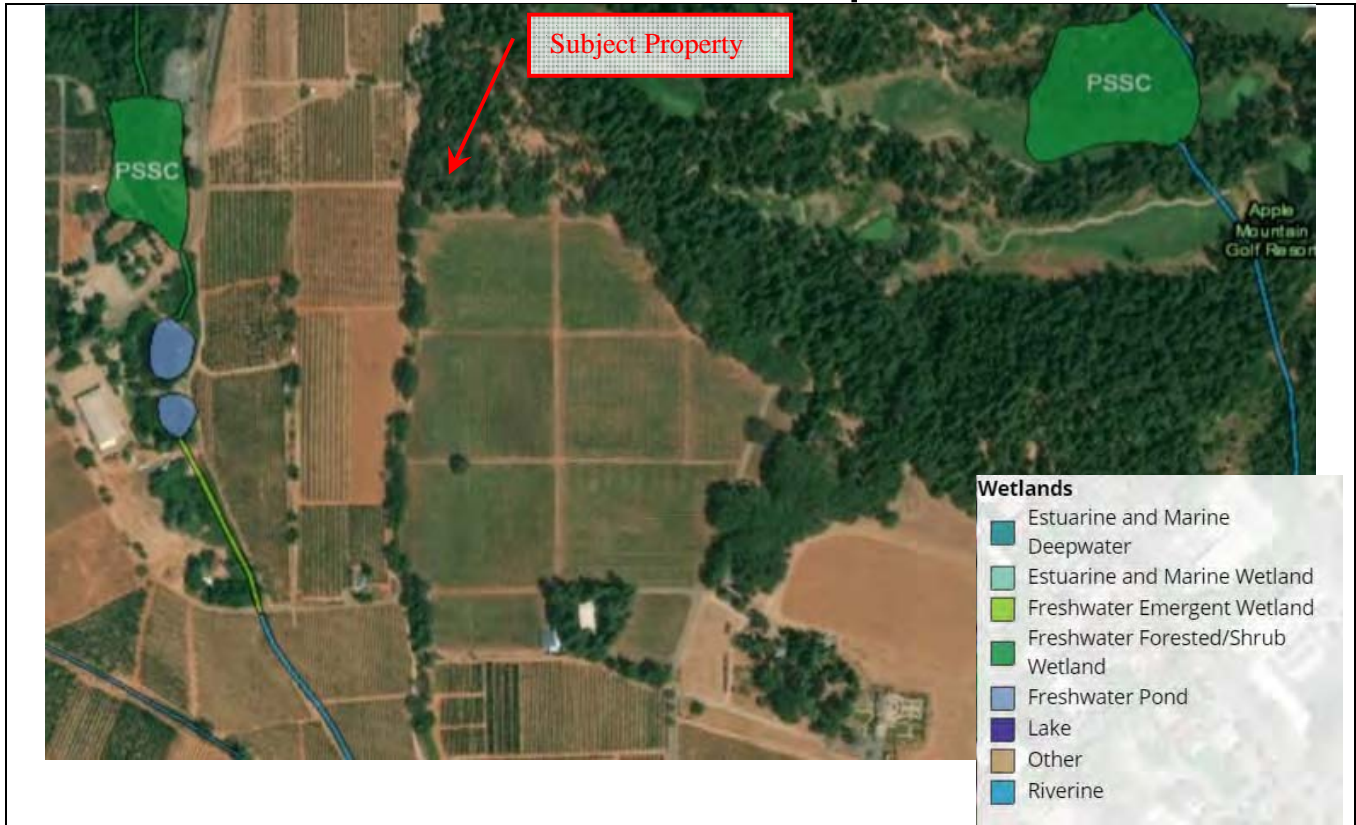
**Subject Property FEMA FIRM Map  
Flood Plain X**

**Subject Property: CA4075**  
(Source FEMA)



## Appendix H

### Wetlands Map



**Figure 7 USFWS Wetland Mapper**

**Site:** CA4075 (Source USFWS)

(Wetlands not identified within the boundaries of the Subject Property)