

SITE NAME: JACKPINE PONDEROSA RDI SHINGLE SPRINGS, CA 95682 PSL#: 285368 PSP#: 20141015878

EXECUT	N	DATE Alivember	PLANNIN	EL DOR
	e lax	umby 125	PLANNING COMMISSION	EL DORADO COUNTY

Verizon wireless

JACKPINE PSL#: 285368 PSP#: 20141015678

PONDEROSA RD SHINGLE SPRINGS, CA 95682 EL DORADO COUNTY

STA

Opposite the part when the source of the control of the control of the the set when the control of the control

 MOJES SHOWENE THE PROTECTION OF SCHIEF SHOWS I. OMFINITION THAT IS SOLLY RESPONDED FOR WITH PROTECTION IN A SPIT, AND CONTRACT HOME ACCOMMENCE THE SPIC APPLICACE COSTS AND RECOGNISHMENTS OF THE EXCEPTIONS, SPITE THE SECUL AND RECOGNISHMENT COMMENTS AND THE DEPLY AND THE SECUL AND THE RECOGNISHMENT WAS ADMINISTRATION OF THE SECUL AND THE RECOGNISHMENT AND THE SECUL AND THE SECUL AND THE RECOGNISHMENT AND THE SECUL AND THE SECUL AND THE RECOGNISHMENT AND THE SECUL AND THE SECUL AND THE RECOGNISHMENT AND THE SECUL AND T

ACRES.

A LI SIGN POTTURES ON INCIDENT STREETS POIL IN
IN THE ZONGWARE WITH ALL PRICENT, COST.

IN THE ZONGWARE WITH ALL PRICENT, COST.

IN THE ZONGWARE WITH ALL PRICENT, COST.

IN THE ZONGWARE STREET, COST.

IN THE Z

HE SCOT OF MORE BOUL MILLION PARTIES AND LIST DIRECT COMPANIES, ALL OTHER MICENNESS AND LIST MED MECESSIAN TO COMPLETE THE WORK/WOLKET E DE COMPACION DIVIL MERIL AL EQUINON ME HATCHES MON MANUFICIARITÀ RECONDIGUIDAE MALISE PROFIDALY MONTAGE DI TRETE LOCA, CODES DI MONARINA THE MONTAGE DI TRETE LOCA, CODES DI MONARINA THE

), har couldness confinences and control for trade, uses the cost seals and attractes, but commented stell, at trade service start for all contributions start, attracts, introduced or successive for all contributions start, attracts, attracted or sold under the control success contact and proposition start or any control control sold contact and control and of any-propositions control and the fundants.

EPHELLINGHE.

IN TER SCHOOL AND CLEM, HUNBS MEE, HIS BEFORE O' ALL CHE, ERENS AND RANGES, REPORT ALL EXEMPORE HET SPECIFIET AS RELATION OF THE PROPERTY, LEWE PROJECTS IN CLEME CONCORDER AND FREE FROM AND STATES, DATE OF SMARCEL OF ANY MARKET.

4. COMMANDES BIRLL WART SECURISH PROMISES TO PROTECT CHARGE APPROVACION, COCHOCIT, Americ, Calabid, CTC, pulmed Constructions for blankform of warter confunction bell Agines are required that made occurred on the construction on or hard warter had not made occurred on the construction on or had "extracted" by TeXES between ME CONSTRUCTION OF 17-18" (TOE 8). ON NOT

II. THE MOUNT IS AN IMPOSSIONED DOBBLE TELEFORMATION PAGE.

2. PANN ARE NOT TO SEE SOULD AND ARE STRONGED TO SE A
MARKHANITE CUSTAGE ONLY, UNICES HOUSE ONLY APPLIED. THE YERK
HOUR, BEQUEST PLANNING MERSHALL, SPANNING, APPLIED HANCE AND

APPLICABLE CODES

13. PROD TO THE SUBMERSON OF SOIL THE CONTINCTONS SHILL WISH THE ASS STITL AND SUBMERSON OF SOIL THE SUBMERSON AND SUBMERSON OF SUBMERSON AND SUBMERSON ASSOCIATION OF SUBMERSON ASSOCIATION AND ADMINISTRATION OF THE ASSOCIATION SUBMERSON ADMINISTRATION ADMINISTRATION OF SUBMERSON ASSOCIATION ASSOCIATION

IL INC CONTUCTOR SHILL RECORD IT WE'RE, AUTOMORISMON TO HOCKED SKYONG STATING WORK OF ART MY HOT GLARAT SOTHER DEPOSITOR TO THE CONTUCTOR TO THE PART OF THE PART

15. CONTRACTOR SWALL CONTRACT MAN REPORT PRODUCTIONS WITH JAN EXCHANGE, STEE WORK OR CONSTRUCTION.

IL SOL PORTHURS TARGET ME ANTE MESE WIN U. LETTS ME PAR COSE APPROVED METANES.

. MONDE A PORTURE FIRE COMMANDE WHILE A BUTHOL DY NOT LESS WINDOWS A PARTICULAR TO RELET THIRD, DESENCE TO ALL PORTURE FIRE PROJECT WELL BUTHOL CONSTRUCTION.

IS. ALL CONTINUED IN THE STATE OF ACCESSIONS WITH CHAPTER \$1 OF INC.
USE REQUIRED CHAPTERS AFFINE COST FOR THE CHAPTER \$2 OF INC.
PROTECTION OF MEDICAL CHAPTERS, COSTS FOR THE STATE OF INC.

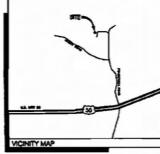
ACCESSIONS WITH LOCAL CHAPTERS COSTS FOR THE STATE OF INC.

TOTAL COST OF THE STATE OF

to experimentation of "Mich areas, Green's hear loads, Green's hear for storing or the critics in such as of consecution in the such as of the story or business and are supplied to the such as of the on the first of business and are supplied to the supplied on the first of business and are supplied to the supplied of the consecution of the supplied of the supplied of the supplied of the district of the supplied of the supplied

II. PORPANDOR OF NOT HOMBANCS SHALL SE PARCHES/PLASHES AND MOC MICHIGAIN VERSE LEE WITCHES OF ACCORDANCE WIS MICE ROSPING STANDARDS OF DECALL CONTINCIONE SHALL DECAS OCCURRING CAMPICARDS FOR THE-SPECIFIC COMMISSION FROM ARCHITET/PORNICIO, & MICESSAIR, SUTURE

GENERAL NOTES



TOTAL THE PROVIDENCE OF TRAINING CO. TRAIN
TOTAL THE PROVIDENCE OF THE PROVIDENCE OF

PROJECT SUMMARY

ACONTICUIAN ASSENSABLE (MERCENE

WIT TELLOW

JOHN CHARLES (JA. 1999)

PA. 2014-01-1-201

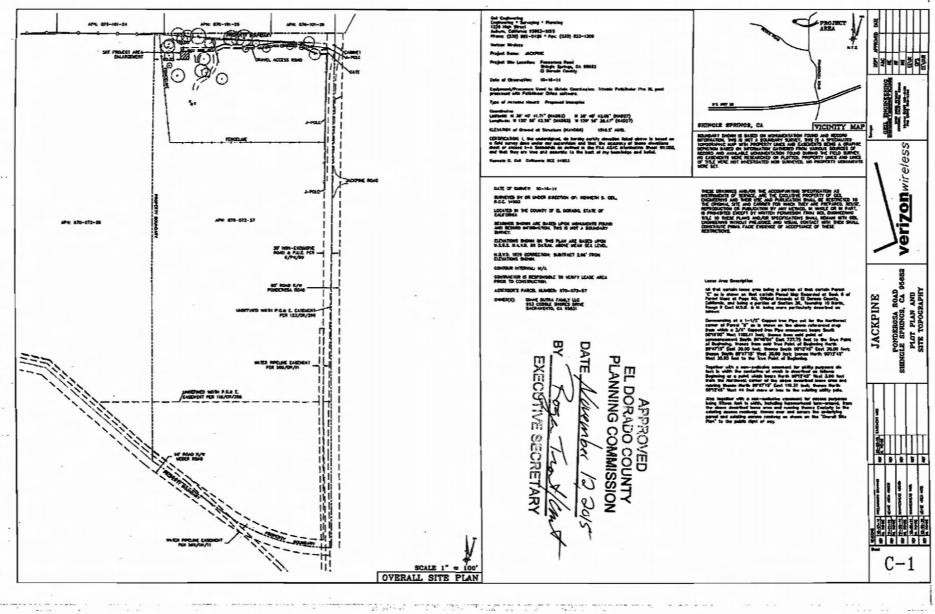
PROJECT DESCRIPTION

€0.	DESCRIPTION
н	MY act
C+1	R M0
D-E	3E 360
H	
ы	biefos
H	
Ξ	
荔	EET INDEX

790	銀 歌	PSL285368
DR	ARM BY:	CHELSON
a	ECKED BY:	SH MIZ JR
100	- 50	C BSUE
1	11,11,14	10X 204KC
1 2	12,01,14	SANOE XEE
13	02,04,14	1005 SDec
_		
_		

TITLE SHEET
SHEET HUMBER
COMPANY JOB 140: NOVING

S 15-0009



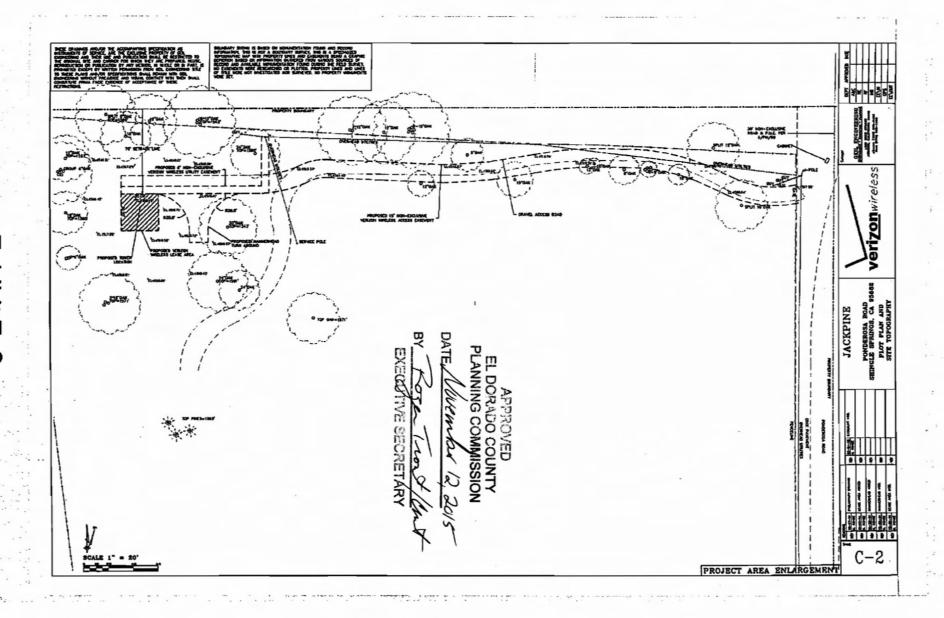
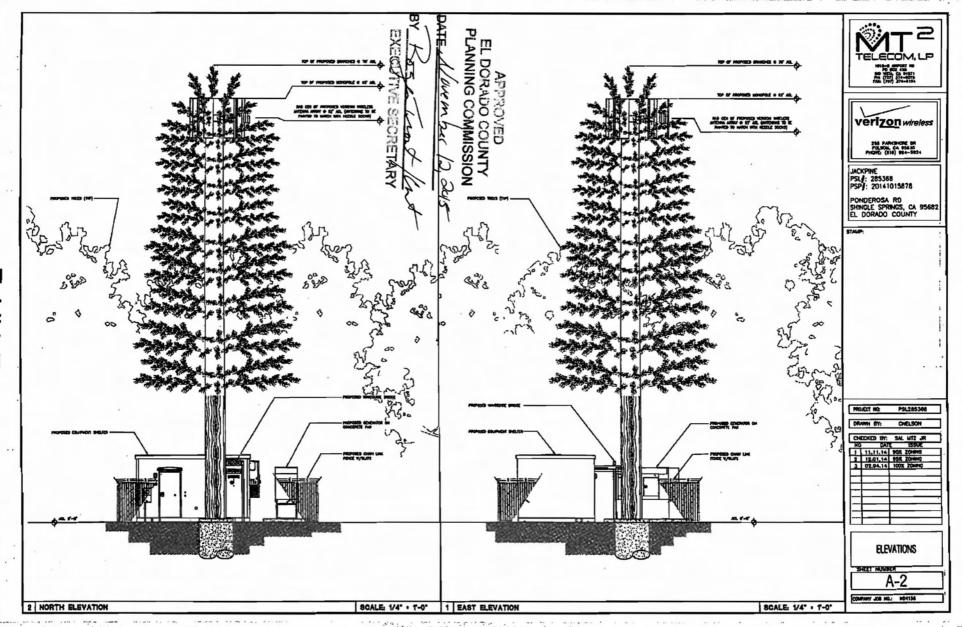


Exhibit F-4



Alan J. Heine Project Manager, On Air LLC Representing Verizon Wireless 8230 Finisterre Ct. Fair Oaks, CA 95628

El Dorado County Planning Department 2850 Fairlane Ct. Placerville, CA 95667 Attn: Tom Dougherty, Senior Planner

Reference:
Jackpine
Ref: Project # PSL 285368
Verizon Wireless's proposed facility at,
Ponderosa Road North of Meader Road,

Near 3940 Welker Ln. Shingle Springs, CA

AFFROVED
EL DORADO COUNTY
PLANNING COMMISSION

Revised: 04/08/15

BY Koze Inot/CI

### **Project Description:**

### **General Description:**

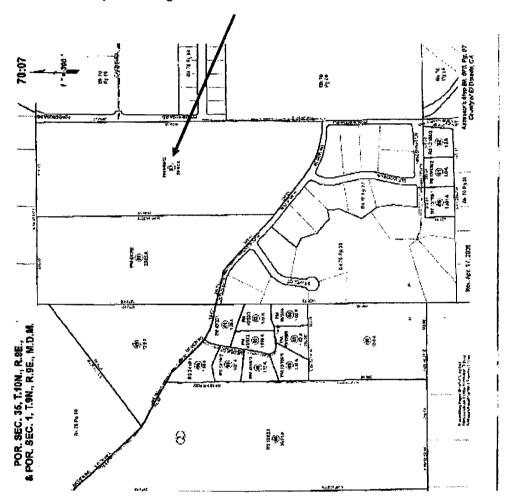
APN# 070-072-57

The proposed project is an unmanned wireless facility. The site will not require any daily employees after being constructed and it will operate 24 hours a day, 7 days a week. Verizon Wireless proposes to construct a 70' tall stealth Mono-pine tower. The tower will be co-locatable and provide space for two additional carriers, thus three separate antenna elevations total. Verizon's proposed 3 sector site will have 2ea antennas per sector for a total of 6 Antennas. The Antennas will also have 2 Radio Head remote units that are mounted at each sector for a total of 6 Radio Heads. 2 additional Ray Cap power surge protectors will also be mounted near the Antennas. The Antennas, Radio Heads and Ray Cap will be painted to match the fake branch color and will also have pine needle socks installed around them to reduce the visual impact. The tower will be set near the base of the proposed 11'-6" X 16'-10.5" Shelter. The shelter will house the RF equipment and the site will be equipped with a Stand-by 30 KW AQMD exempt Generator. The proposed site is near by an expansive spread of existing trees consisting of Oak, Pine, Redwood and occasional madrone species for 100' of feet surrounding the site. Most neighboring owners will not see the site unless they are driving south to North along Ponderosa Road or heading east along Meader Road. The heavily tree'd surrounding will screen most of the proposed tower. The site is situated a substantial distance form traffic travelling along Ponderosa and Meader Roads. The parcels in this area are large with good separation and surrounding tree cover from home structures. The homes located north of the site begin to drop off in elevation in a curving road and terrain eliminating a drive to view of the proposed tower northerly of the tower. The only minor impact is indicated in our View shed # 1 when reaching approximately the Southern end of the Ponderosa high-school entry. The top of the tower would be seen slightly. This type of view could be seen from some locations along Meader and Ponderosa Roads.

The layout of this design places the Shelter and stealth Tower together in one fenced 30' x 30' enclosure.

Please refer to the site documents provided such as plans a photo-simulations.

# Portion of Tax Map indicating Lot # 57 below



#### **Back-Up Power:**

Verizon Wireless provides service to many State and emergency services, therefore they are dedicated to providing Stand-By power facilities at all sites whenever possible. Verizon will place a 30 KW generator inside the shelter at this site. The Generator Model is our commonly used SDO30 produced by Generac and is the latest Tier of Stand-By back-up power provisions. This Gen-set has been approved in all jurisdictions and AQMD offices through-out California. This particular unit is less than 50 HP and is exempt from AQMD permitting but they provide an exemption letter. Verizon will provide an exemption letter at the time of construction for this unit. The Generator has a sound reducing shroud that when operating in its common test mode will be at 59DB at 23'.

The test pattern runs for 15 to 20 minutes every two weeks and produces less noise than a common lawn mower. The pattern is run in the mid-morning times around 11:00 AM. If the unit is brought up to a full power mode during a suspended power outage it may reach a maximum sound level of 71 Db at 23' at times of draw surges. This Generator will effectively have no impact, due to the lengthy set back of this proposed site from other neighboring properties.

Please refer to the SD0-30 Specs provided.

Verizon also stores an initial line of power back up inside the Shelter. They will place 48 ea. Mini cell batteries by C&D Technologies AT- 09P and or 17P (Electrolyte) cell batteries. The total number when combined will be below the 50 Gal threshold of permitted storage (Battery Acid) levels or a permit will be obtained by fire and Haz Mat to increase any levels above the 50 Gallon threshold. These are the Gel type electrolyte and are placed in a spill proof tray.

#### Access:

Verizon Wireless proposes to use the existing paved access roadway to the property that is an extension off of Green Valley Road. Beyond that a paved and graveled road extension will be install meeting the El Dorado County Width, Radius and Grade requirements. There is adequate passage in the beyond Apron condition area and is not subject to any onsite traffic.

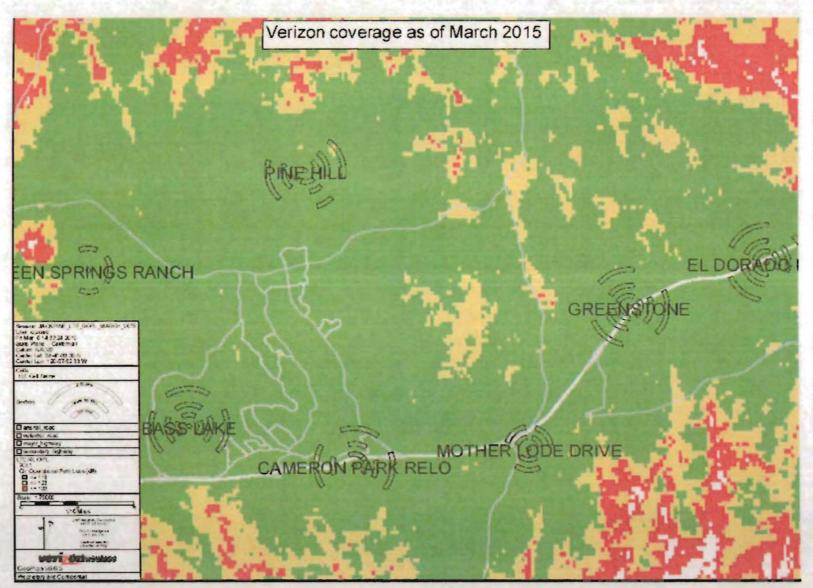
During the first 45 days of construction, Verizon will need to have personnel at the site daily. Once the site is completed it requires minimal visits perhaps, once per month and on any emergency call if required.

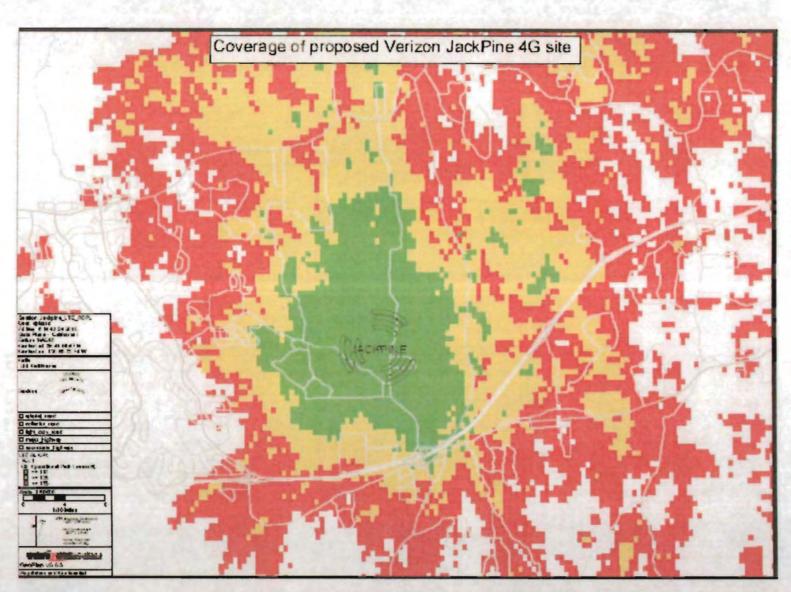
#### **Utilities:**

Verizon Wireless shall utilize the current feeds at the existing Electrical TRX located approximately 98' away from the Tower site, along the Northerly Property. Verizon proposes to bore for these utilities as possible from that location over to the site to avoid dust from trenching. Verizon proposes to tap the necessary 120/240 Volt 200 AMP power source POC from the Overhead service feed. They will also utilize the existing UG Fiber connection located approximately 432' from the Tower site along Ponderosa Road. The connections will be made underground. No other utilities will be required to operate the site.

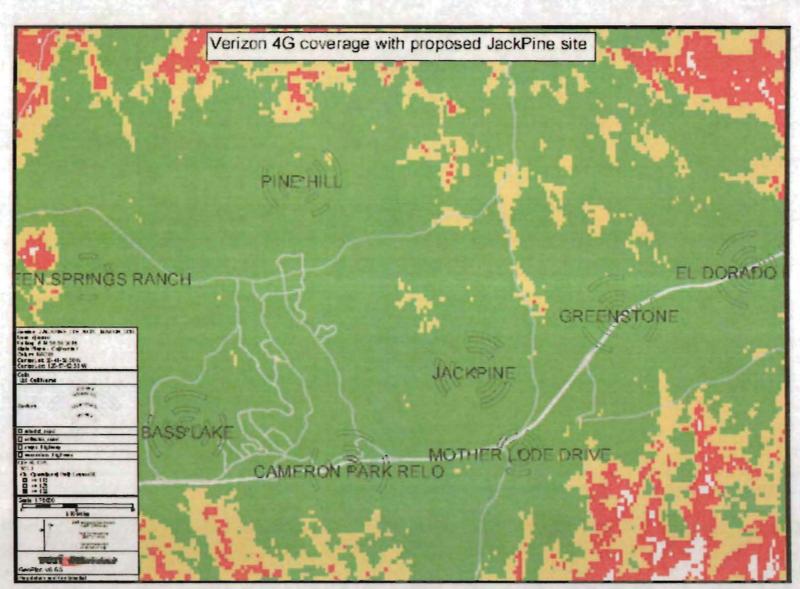
### RF Site Justification:

This proposed search area was deemed necessary by Verizon's RF Engineers to meet the coverage demand along the Ponderosa Road Corridor, the rural residential properties in the area, additional off load of Freeway traffic heading North and to fulfill user's needs of our system by staff and students at Ponderosa High School nearby. The site is intended to handoff to our existing Greenstone site located NE of the proposed Site, the Mother-load site located SE of the proposed site and the Cameron Park Site located SW of the proposed site. The locality of this proposed site is suffering capacity loss due to increased uses that are enhanced with 4G operational attributes. These require far more capacity than simple phone usage with the additional ability to make, document downloads, greater storage and higher data capacity overall. The only way to overcome the signal loss in an area is to place a new facility. The coverage maps depicting current and proposed capacity improvement are below.





Coverage with the proposed Jackpine site below



The proposed Jackpine site within the existing Surrounding Verizon sites

As stated before, the proposed site is situated on a large rural Ag property and will be mostly disguised by the existing trees. The site will have limited local residence or traffic corridor visual impact. When compared to the other candidates it was determined this site would fulfill the RF objective and have the least visual impact.

### **EME** Reporting:

An EME report has been provided from Hammett and Edison This proposed site was determined to operate at a maximum .020 which is 2% of the maximum applicable public exposure limit.

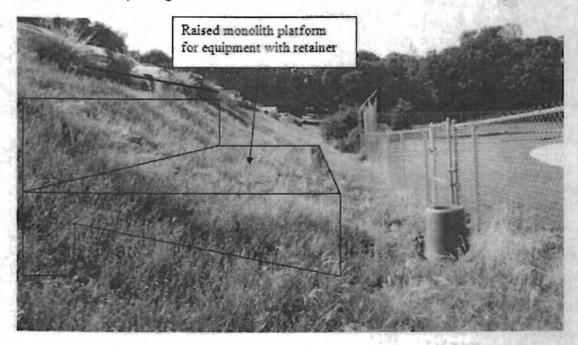
See the Hammett and Edison report enclosed

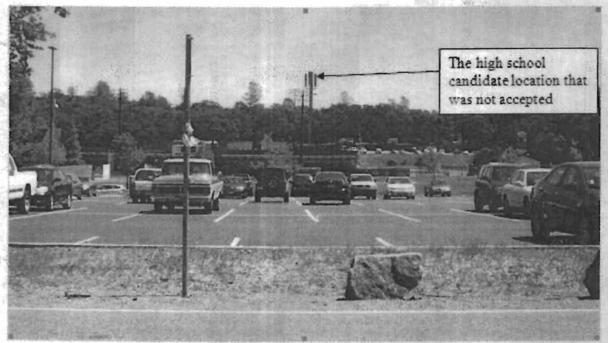
# Site Selection Analysis:

The properties listed below were reviewed and researched as possible candidates before selecting the best overall candidate

### Back-Up Candidates / Alternative Sites Considered

One back up candidate was selected as a potential site and was pursued as a primary candidate. The site was at the Ponderosa High School Stadium. Discussion with Maintenance attempted to force Verizon into a site that was built along an embankment near the stadium. The proposed location was not structurally sound to support a 42K load from our shelter, and the set-back requirements from the parking and classrooms made it impossible to provide a Standby Generator. Access to the site especially during school hours would be nearly impossible. Verizon spent 20 minutes in time parking to even do the initial site walk. See below the proposed site on the visitor bleacher hillside. Note the crowded parking above





View from Ponderosa Road (High School site candidate)

Ultimately the High School considered the issues with their preferred location at the Visitor side of the stadium and considered another location along the home bleachers. After months of discussion the school decided that the site would be too problematic. With the non commitment and lack of designated access and or parking Verizon decided to move to our private Landlord candidate.

# Summary of proposed project:

The proposed design of the Jack pine site is the best solution that can be found in the area. There were no other collocatable site solutions in the area. Verizon believes this proposed project meets the Land Use application criteria of the El Dorado County Ordinance under 17.14.200. and will provide a much needed community infrastructure for Emergency services. It will enhance local property owners and travelers services along the Hwy 50 at Ponderosa Rd. corridor and enhance general service for the area.

Please feel free to contact me if you need any additional information regarding our proposed site.

Thank you,

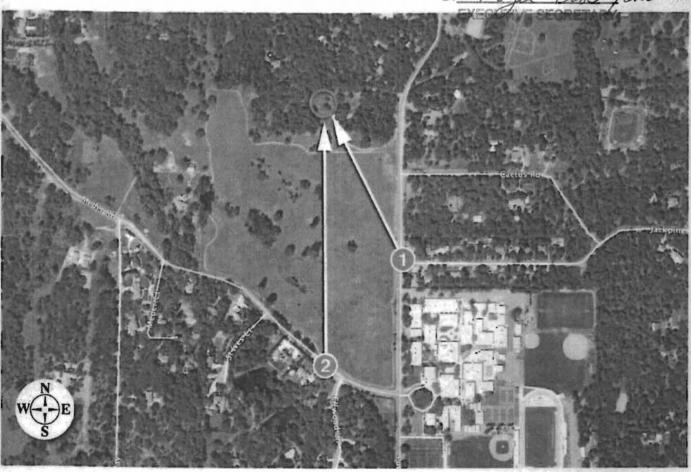
Alan J. Heine

alan J. Heine





EL DORADO COUNTY PLANNING COMMISSION



veri onwireles

**Jackpine** 

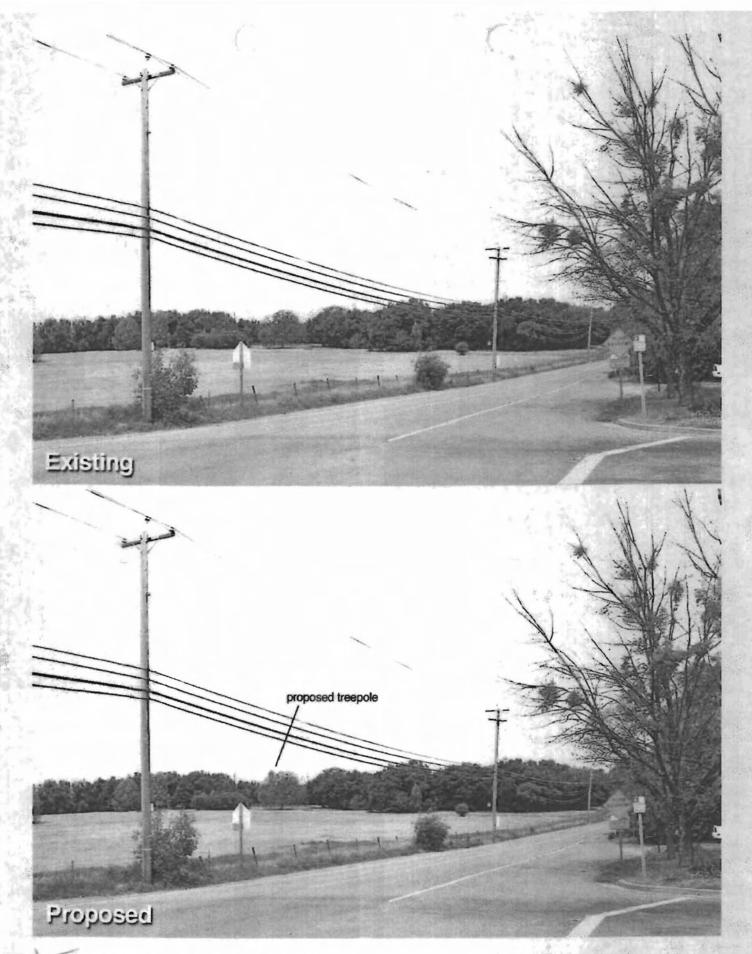
Site # 285368

**Aerial Map** 

4/1/15

Ponderosa Road Shingle Springs, CA 95682

Exhibit H 15-0009



veri onwireless

Jackpine

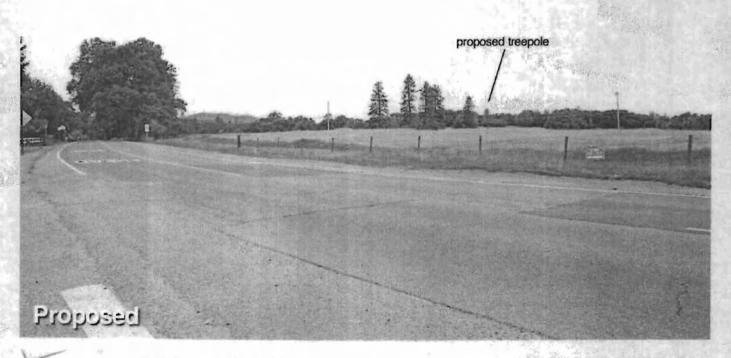
Site # 285368

Looking Northwest from Ponderosa Road

4/1/15

Ponderosa Road Shingle Springs, CA 95682 View #1 Applied Imagination 510 914-0500





veri onwireless .

**Jackpine** 

Site # 285368

Looking North from Meder Road

4/1/15

Ponderosa Road Shingle Springs, CA 95682 View #2 Applied Imagination 510 914-0500