

# AMADOR COUNTY PLANNING COMMISSION

810 Court Street, Jackson, CA 95642  
(209) 223-6380

**PLEASE NOTE:** All Planning Commission meetings are audio recorded.

- Anyone who wishes to address the Planning Commission must speak from the podium and should print their name on the speaker list located on the podium and identify themselves for the record.
- Public hearing items will commence no sooner than the times listed on the agenda.
- All proceedings are conducted in English.
- In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability related modification or accommodation to participate in this meeting, please contact the Planning Department at (209) 223-6380 or (209) 223-6254 (fax). Requests must be made at least one full business day before the start of the meeting.

Meeting materials are available for public review at the Planning Department, 810 Court St, Jackson, CA, 95642 and posted on the County's website at [www.amadorgov.org](http://www.amadorgov.org) under the Agendas and Minutes section (generally the Thursday prior to the Planning Commission meeting). The staff report will denote staff's recommendations and any proposed conditions for the project if the project is approved.

## AGENDA

**DATE:** Tuesday, January 08, 2019

**TIME:** 7:00 p.m.

**LOCATION:** County Administration Center, 810 Court St., Jackson, CA, 95642

- A. Pledge of Allegiance**
- B. Approval of Agenda**
- C. Minutes:** December 11, 2018
- D. Correspondence:** Any correspondence received prior to publication of the Agenda Packet has been included with the corresponding item.
- E. Public Matters not on the Agenda:** Discussion items only, no action may be taken. Any person may address the Commission on any subject within the jurisdiction of the Commission.
- F. Recent Board Actions:**

## PUBLIC HEARING

- Item 1 - Request for Use Permit for a 115' monopole wireless communication tower. The tower will include 12 antenna panels and related ancillary equipment.**

**Applicant:** Epic Wireless Group, LLC, on behalf AT&T Mobility  
**Supervisory District:** 5  
**Location:** 3902 Highway 16 (Plymouth Sand & Gravel)  
**APN 001-150-015**



**AMADOR COUNTY PLANNING COMMISSION MINUTES  
SUMMARY MINUTES OF TAPE RECORDED MEETING  
December 11, 2018 – 7:00 P.M.**

**PAGE 1 OF 5**

The Planning Commission of the County of Amador met on December 11, 2018 in the Board of Supervisors Chambers at the County Administration Center, 810 Court Street, Jackson, California. The meeting was called to order at 7:00 p.m. by Chair Callsen.

**THOSE PRESENT WERE:**

Planning Commissioners: Keith DesVoignes District 1  
Dave Wardall, District II  
Caryl Callsen, Chair, District III  
Andy Byrne, Vice Chair, District IV

Staff: Grace Pak, Deputy County Counsel  
Chuck Beatty, Planning Director  
Ruslan Bratan, Planner I  
Krista Ruesel, Planner I  
Mary Ann Manges, Recording Secretary

**THOSE ABSENT WERE:** Ray Ryan, District V

**NOTE:** The Staff Report packet prepared for the Planning Commission is hereby incorporated into these minutes by reference as though set forth in full. Any Staff Report, recommended findings, mitigation measures, conditions or recommendations which are referred to by Commissioners in their action motions on project decisions which are contained in the Staff Reports are part of these minutes. Any written material, petitions, packets, or comments received at the hearing also become a part of these minutes. The recording tapes of this meeting are hereby incorporated into these minutes by reference and are stored in the Amador County Planning Department.

**A. Pledge of Allegiance.**

**B. Approval of Agenda:**

**MOTION:** It was moved by Commissioner Ryan, seconded by Commissioner Wardall and carried to approve the agenda as presented.

**C. Minutes:** November 13, 2018

**MOTION:** It was moved by Commissioner Byrne, seconded by Commissioner DesVoignes, and carried to approve the minutes of November 13, 2018.

**D. Correspondence:** Letter by David Way regarding Agenda Item 1.

**E. Public Matters not on the Agenda:** Chair Callsen advised that anyone may address the Commission on any matter in the Commission's jurisdiction, but no action may be taken.

Dan Morris, resident of Lone, shared that the Planning Commission recently held a scoping session related to US Mine Corporation's request to operate a motor cross track. He added that a permit is needed for the project and that there is evidence that the application for the permit is filled with misrepresentations. He voiced that the public should have a true description of what the project and environmental conditions are and shared concerns about US Mine previously

proceeding with constructing and operating the track without having approval. Mr. Morris shared that he believes that the application should be dismissed due to the misrepresentations. He added that the County Code as well as State and Federal regulations are reflective of this. He stated that from an environmental perspective the County is in jeopardy if they approve the project. He added that the community has a disagreement with US Mine, not the County, and suggested that the County should take legal action for US Mine blatantly violating the law. He shared that he previously had a conversation with Chuck Beatty, Planning Director, who said that no permits had been applied for since US Mine acquired the property in 2015. Mr. Morris added that he believes that tremendous upgrading of the site has been done and that he has seen some kind of new structure from Fairway Drive in Castle Oaks. He added that the mining company needs to be brought into check.

Commissioner Byrne asked Staff if there were permits.

Chuck Beatty, Planning Director, replied that a Use Permit and Reclamation Plan came with the property and has been in place since around 1977 when SMARA was adopted. He shared that the annual mine inspections of US Mine Corp. have not found them to be in violation of their Reclamation Plan. He clarified that the Reclamation Plan applies to the end use of the property after mining operations cease and does not cover ongoing operations or movement of equipment.

Dan Morris shared an additional concern that soil excavation requires permits.

Commissioner Byrne added that we have Code Enforcement.

**F. Recent Board Actions:** None related to Planning Commission actions.

**Public Hearing**

**Item 1 - Review and consideration of a proposed ordinance repealing Chapters 19.84 and 19.86 of the Amador County Code relating to medical marijuana dispensaries and medical marijuana cultivation, and adding new chapter 19.84 pertaining to restrictions on cannabis and related activities.**

**Applicant:** Amador County  
**Supervisory District:** All  
**Location:** The unincorporated portion of Amador County

Chair Callsen introduced the item.

Chuck Beatty, Planning Director, shared the Staff Report which is hereby incorporated by reference into these minutes as though set forth in full.

Chair Callsen opened the public hearing and asked if anyone wanted to speak.

Gary Redman, Amador County Undersheriff, thanked the Commission and County Counsel for their work on this project. He added that he believes the ordinance will allow us to conform to and be able to enforce current State law and policies. He shared that the ban on commercial marijuana is extremely important and that in the past year 38 firearms were confiscated and 5 or more arrests were made from close to a dozen commercial cultivation marijuana grows. He added that there is a huge criminal element associated with commercial grows. He added that the Sheriff's office is very clear about not infringing upon legal medical marijuana use or people's rights to have and possess recreational marijuana in Amador County. He commented that they take advantage of arrests for commercial grows as

opportunities to educate the public.

Commissioner Wardall thanked Undersheriff Redman, and congratulated him on his recent promotion.

Chair Callsen asked if anyone else desired to speak. There being no further speakers the following actions were taken.

**MOTION:** It was moved by Commissioner Byrne, seconded by Commissioner Wardall, and approved to close the public hearing.

Ayes: Byrne, Wardall, DesVoignes, Callsen  
Absent: Ryan

Commissioner Wardall asked Grace Pak, Deputy County Counsel, to confirm that the only time a person can grow marijuana outside is for medical purposes.

Ms. Pak confirmed.

Commissioner Wardall questioned whether a doctor's letter was required to grow marijuana for medical purposes.

Ms. Pak confirmed.

Commissioner Wardall asked if the letter needs to be signed by a legal physician.

Ms. Pak confirmed that a letter needs to be signed and added that there have been changes in the law to where to require a cannabis recommendation to be signed by a treating doctor.

Commissioner Wardall asked if growing outside can be omitted from the proposed ordinance to where it states growing is strictly limited to inside for all cannabis.

Ms. Pak replied that the Commission can recommend an outdoor ban to the Board of Supervisors. She added that in the past the Board was concerned that growing medical marijuana inside could be cost prohibitive for some people. She commented that it is left up to jurisdictions to decide if marijuana can be grown inside, outside or a combination of both and that the County is trying to keep consistency with the current code without significant changes.

Commissioner Wardall asked Undersheriff Redman if growing recreational marijuana outside poses a threat to public safety.

Undersheriff Redman replied that outdoor grows within the limits of the code don't pose a threat to public safety and that complaints generally come from the nuisance of large scale grows. He shared that the Sheriff's office position is not to infringe upon the right for people to possess medical marijuana. He added that large scale grows are typically problematic.

Commissioner DesVoignes shared that, as a realtor with two offices, he has seen much damage to homes in other counties where marijuana has been grown inside. He shared that there are many problems and challenges with these houses when they are sold and added that he does not want to see Amador County have the same problem.

Commissioner Byrne asked if this ordinance would allow only 6 indoor plants.

Ms. Pak confirmed that the ordinance would allow 6 indoor plants and that part of the conditions of growing plants inside requires those who grow inside to do it responsibly with any required building

permits. She added that some counties are requiring permits just for growing cannabis, but Amador County historically has not required cultivation permits.

Commissioner Byrne asked if a grow was not in compliance, would it go to Code Enforcement.

Ms. Pak confirmed.

Commissioner Byrne shared that he does not have any issues with the proposed ordinance.

Chair Callsen said that it been brought to her attention that our ordinance is not in compliance with recently changed State law because you must be allowed to transport cannabis through the County.

Mr. Beatty commented that the County cannot prohibit transport through Amador County, but if someone in an adjoining county is allowed to commercially grow they cannot distribute or dispense the marijuana to someone in Amador County.

Chair Callsen asked for confirmation that the ordinance does not prohibit transport through the County.

Mr. Beatty stated that the ordinance cannot prohibit transport through the County since the proposed ordinance applies only to zoned property which excludes road rights-of-way.

Commissioner DesVoignes asked if a permit was needed to transport.

Ms. Pak replied that a State permit is needed for transport and distribution and added that the State law requires a distributor to be licensed from end to end between two licensed businesses.

Chair Callsen stated that she had no further questions.

Commissioner Byrne questioned the content of the submitted letter by David Way and asked whether two sets of 12 plants for two people is still correct.

Mr. Beatty replied that Mr. Way's letter referred to an old ordinance that allowed up to 24 cannabis plants per parcel for medical use. The ordinance was changed in 2016 to limit medical cannabis to 12 plants per parcel.

Commissioner Byrne acknowledged that this was the old ordinance being referred to.

Commissioner Wardall shared his concern about outdoor grows. He stated that there are alternatives to marijuana if someone has a real medical condition. He added that areas of the County with small residential lots neighbors shouldn't have to put up with an outdoor grow. He stated that it will be noxious and offensive and shared that he would not vote to send the ordinance forward with the outdoor grow included in it.

Commissioner Byrne commented that he had concerns with the outdoor grow part and had a hard time deciding last time, but is willing to make a motion recommending approval of the proposed ordinance.

**MOTION:** It was moved by Commissioner Byrne, seconded by Commissioner DesVoignes, and carried to recommend approval to the Board of Supervisors of the proposed repeal of County Code Chapters 19.84 and 19.86, and replacement of Chapter 19.84 as submitted.

Ayes: Byrne, DesVoignes, Callsen  
Noes: Wardall  
Absent: Ryan

***NOTE:** Mr. Beatty, Planning Director, advised those present that the Planning Commission has recommended approval to the Board of Supervisors of the proposed repeal of County Code Chapters 19.84 and 19.86, and replacement of Chapter 19.84 as submitted. A public hearing with Board of Supervisors will be scheduled at a later date.*

Mr. Beatty shared that at the last Planning Commission meeting it was mentioned that the Board had given approval for an additional Planner and introduced Ruslan Bratan as the newly hired Planner I.

Commissioner Byrne thanked Commissioner Callsen for her four years of service to the Planning Commission and announced that this will be her last meeting and that she will be missed.

Chair Callsen thanked the Commissioners and staff for their support during her term.

**MOTION:** It was moved by Commissioner Byrne, seconded by Commissioner DesVoignes, and carried to adjourn the meeting.

**Adjournment:** At 7:30 p.m. Chair Callsen adjourned the meeting of the Planning Commission, to meet again on January 8, 2019.

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Caryl Callsen, Chair  
Amador County Planning Commission

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Mary Ann Manges, Recording Secretary  
Amador County Planning Department

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Chuck Beatty, Planning Director  
Amador County Planning Department





**STAFF REPORT TO: AMADOR COUNTY PLANNING COMMISSION**  
**FOR MEETING OF: JANUARY 8, 2019**

**Item 1 - Public Hearing - Request for a Use Permit (UP-18;11-1) to install a 115-foot-tall monopole wireless communication tower with twelve 6-foot-tall panel antennae and associated tower and ground equipment.**

**Applicant:** Epic Wireless Group, LLC on behalf of AT&T Mobility, LLC

**Property Owner:** Vicini Family Investments, LP

**Supervisory District 5**

**Location:** 3902 Highway 16, Plymouth, immediately opposite of the intersection with Old Sacramento Road (APN 001-150-015).

**A. General Plan Designation of Area:** AG, Agricultural-General

**B. Current Zoning:** “AG,” Exclusive Agriculture

**C. Description:** The Applicant is requesting a Use Permit for the installation of a 115-foot-tall monopole design wireless communication tower for the purpose of improving internet and cellular communication service in the area. The project is part of the FCC’s Connect America Fund program to expand broadband and voice service to underserved areas. County Code requires a Use Permit for communication towers in excess of 50 feet. The proposed tower location is approximately 1,150 feet from Highway 16, 1 mile from Forest Home Road, and 3 miles from the closest communication tower.

The base of the proposed tower will be at elevation 580 feet MSL, placing the top of the tower at elevation 695 feet MSL. The base of the closest communication tower is at elevation 823 feet MSL, 128 feet higher than the top of the proposed tower. Pursuant to County Code Section 19.48.150 (Wireless Service Facilities) such facilities shall not exceed existing tree lines along a skyline by more than 15 feet. County elevation data for the ridgeline to the south of the project indicate ground elevations of at least 760 feet (attached).

The application proposes a monopole design tower. Staff recommends a “monopine” style tower with branches starting 25 feet above the base of the tower.

**D. Staff Review and Recommendation:** This project was reviewed by staff which has no technical objections to the Planning Commission approving the Use Permit subject to the Conditions of Approval and findings attached to the staff report. Staff also recommends the Commission find this project is not subject to CEQA per Section 15061(b)(3), and is Categorical Exempt per Section 15303(c) of the CEQA guidelines.

**E. Planning Commission Action:** After taking public comment, a decision to either grant or deny the Use Permit with the proposed (or amended) conditions can be made.

**F. Findings:** If the Planning Commission approves this Use Permit, the following findings are recommended for adoption:

1. The project, as proposed and conditioned, is consistent with the Amador County General Plan and the “AG” zoning district at this location;

2. The approval of the Use Permit is sanctioned by County Code Section 19.48.150 (Wireless Service Facilities) and is consistent with County Code Section 19.56.040 (Use Permit Findings) in that the establishment, maintenance or operation of proposed use will not be detrimental to the health, safety, peace, morals, comfort, and general welfare of the persons residing or working in the neighborhood of such proposed use or be detrimental or injurious to property and improvements in the neighborhood or the general welfare of the County.
3. The project is not subject to CEQA pursuant to Section 15601(b)3 of the CEQA Guidelines in that the project is covered by the general rule that CEQA only applies to projects which have the potential for causing a significant effect on the environment; and is Categorical Exempt from CEQA pursuant to Section and 15303(c) in that it is small project under 2,500 square feet and not involving the use of significant amounts of hazardous materials. Therefore a Notice of Exemption will be filed with the Amador County Recorder.

- Cities and Communities
- ▭ Administrative Boundaries
- ▭ City Limits
- ▭ Amador County Boundary
- Roads
  - ▬ One Way Road
  - ▬ Primary Road
  - ▬ Secondary Road
  - ▬ County Route
  - ▬ State Highway
  - ▬ Unimproved Road
- ▭ Parcels
- ▭ Natural Features
- ▭ Elevation Contours



1" = 3987 ft

Aerial photography, if displayed,  
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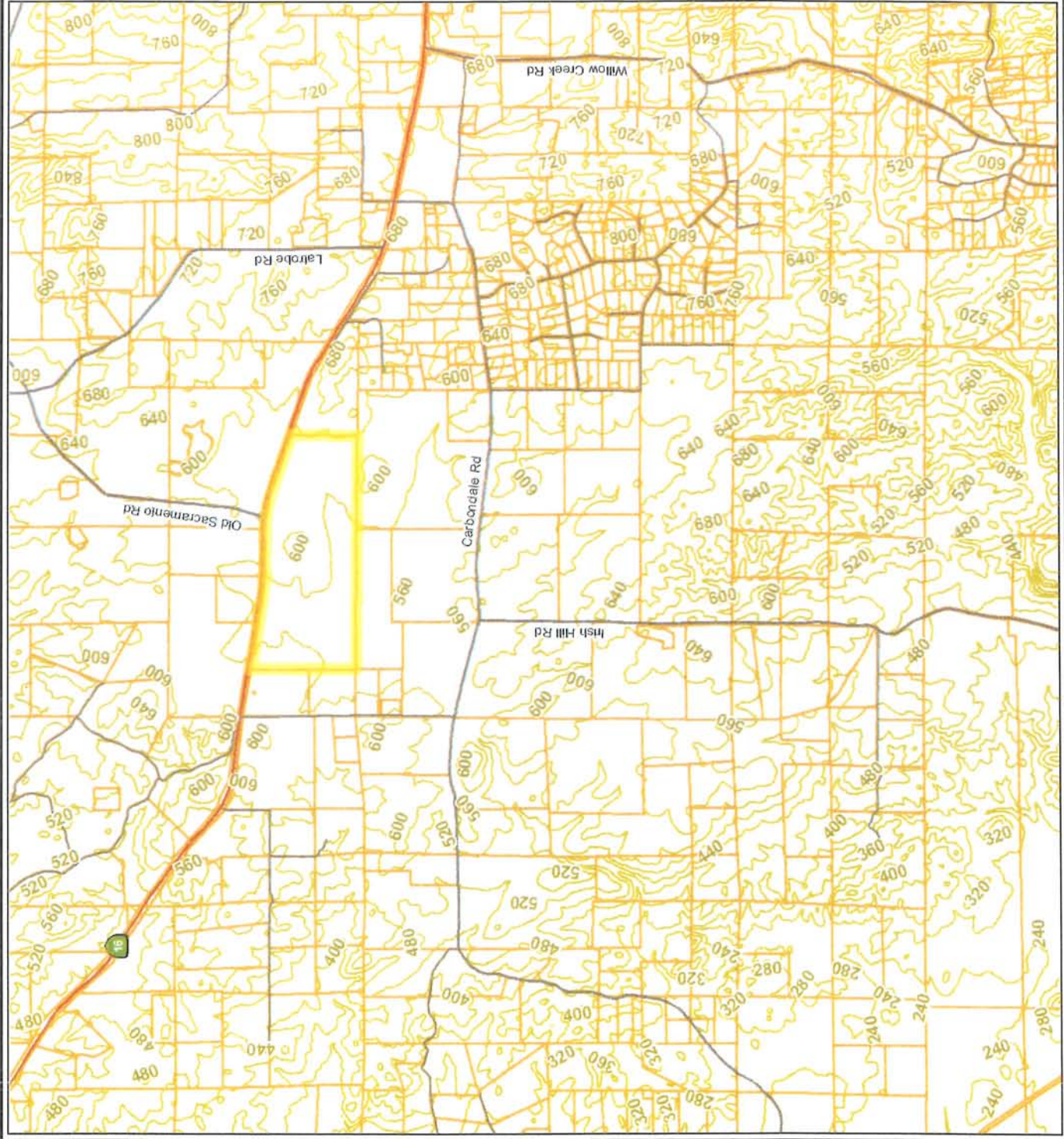
**Notes**



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**Amador County GIS Viewer**  
Amador County Information Technology Dept.  
810 Court St. Jackson CA 95642

January 2, 2019





**USE PERMIT CONDITIONS OF APPROVAL AND  
MITIGATION MONITORING PROGRAM  
FOR  
USE PERMIT #UP-18;11-1**

**PERMITTEE:** Epic Wireless Group, LLC (Representative: Ashley Smith)

**ADDRESS:** 605 Coolidge Drive, Suite 100  
Folsom, CA. 95630

**PHONE:** (916) 936-5430

**PROJECT DESCRIPTION:** Use Permit to install a 115-foot-tall wireless communications tower with related tower and ground equipment.

**PROJECT LOCATION:** 3902 Highway 16, Plymouth

**ASSESSOR'S PARCEL NUMBER:** 001-150-015

**PLANNING COMMISSION APPROVAL DATE:**



1. *This Use Permit shall not become valid, nor shall any uses commence until such time as the Permittee is either found to be in compliance with or has agreed, in writing, to a program of compliance acceptable to the County. At that time the permit shall be signed by the Planning Department and the use shall commence. THE PLANNING DEPARTMENT SHALL MONITOR THIS REQUIREMENT.*
2. *The issuance of this Use Permit is expressly conditioned upon the permittee's compliance with all the provisions contained herein and if any of the provisions contained herein are violated, this Use Permit may be subject to revocation proceedings as set forth in Amador County Code. THE PLANNING DEPARTMENT SHALL MONITOR THIS REQUIREMENT.*
3. The wireless service facility shall be of “monopine” design with branches beginning at twenty-five feet (25’) above the base of the tower. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION.
4. ***Prior to the issuance of a building permit***, the permittee shall provide an engineer's estimated cost for removal of the monopole and ancillary equipment and shall provide a performance bond in the amount of 100% of the County's estimated cost of removal for the wireless service facility and other equipment, including administrative costs. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION.
5. The wireless service facility shall be removed when it becomes no longer necessary or not in use for a six month period. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION.

6. The permittee shall acquire a building permit for all facilities and any other related equipment. Construction and location shall be substantially the same as shown on the approved project description. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION IN CONJUNCTION WITH THE BUILDING DEPARTMENT.
7. Any security lighting for the ground facilities shall be shielded and directed in such a manner so as not to direct light onto neighboring properties/buildings/roadways. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION.
8. Any proposed generator shall be constructed and insulated such that it will not exceed the Noise Element Guidelines of the Amador County General Plan at the project parcel's boundary. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION.
9. The permittee must substantially comply with all applicable requirements regarding use and storage of hazardous materials as well as handling and disposal of hazardous wastes as required by the Certified Unified Program Agency (CUPA). THE ENVIRONMENTAL HEALTH DEPARTMENT SHALL MONITOR THIS CONDITION.
10. The permittee shall submit proof to the Planning Department that all FCC and FAA regulations for wireless service facilities have been researched and complied with according to their requirements, including but not limited to, that the facility shall not emit harmful rays, noxious odors, heat, excessive noise or pollutants. The facilities shall not interfere with radio, television or phone transmissions, and will not interfere with the operation of household appliances, door openers, or other machinery in the area. If public complaints occur, the burden of proof in fulfilling this condition shall be upon the permittee. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION.
11. Any future co-location shall comply with County Code Section 19.48.150. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION.
12. In the event the permittee encounters any historic, archaeological or paleontological resource during any construction undertaken to comply with these Use Permit conditions, permittee shall stop work immediately within a ten-yard perimeter of the find and retain the services of a qualified professional for the purpose of recording, protecting, or curating the discovery as appropriate. The qualified professional shall be required to submit to the Planning Department a written opinion concerning the importance of the resource and the need to preserve the resource or otherwise reduce impacts of the project. The permittee shall notify the Amador County Technical Advisory Committee (TAC) of the find and provide proof to the Planning Department that any/all recommendations and requirements of the qualified professional have been complied with. THE PLANNING DEPARTMENT SHALL MONITOR THIS CONDITION.

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Chair  
Amador County Planning Commission

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Permittee or Authorized Representative



605 Coolidge Drive  
Suite 100  
Folsom, CA 95630

ATTN: Planning Dept Staff  
810 Court Street  
Jackson, CA 95642

10/30/2018

RE: Planning Application – ATT Site “Drytown”

To Whom It May Concern,

Epic Wireless Group LLC on behalf of AT&T Mobility is proposing a New Unmanned Wireless Telecommunications Facility to be developed for the benefit of the residences of Drytown.

The residences of the area in which the tower will serve, will benefit from three different services. The first service will be high speed internet. The FCC has deemed this area as inadequately served with in sufficient internet services. The purpose of this program is to bring high speed internet to underserved communities in America. The second service will be the FirstNet Program. FirstNet is a single, nationwide network strictly dedicated to public safety communications. The third service is wireless capacity and coverage for the area of Drytown.

According to section 19.48.150 Commercial Wireless Service Facilities from the Counties ordinances, any wireless service facility more than fifty feet in height shall be allowed upon approval of a conditional uses permit, in the allowed zones. The parcel we are proposing this project on, is zoned A-G, and therefore our use is within this ordinance.

The area of Drytown will benefit immensely from this tower in this specified location. From the wireless high speed internet, wireless capacity and coverage, to the FirstNet Program all of which is greatly needed in this area. For this reason, Epic Wireless is requesting review and approval on this project.

Please let me know if you need any additional documents or information.

Respectfully,

Ashley Smith  
Site Acquisition Specialist  
(916) 936-5430  
Ashley.Smith@epicwireless.net

605 Coolidge Drive, Suite 100  
Folsom, CA. 95630



**PLANNING DEPARTMENT  
LAND USE AGENCY**

County Administration Center  
810 Court Street • Jackson, CA 95642-2132  
Telephone: (209) 223-6380  
Website: www.amadorgov.org  
E-mail: planning @amadorgov.org

**APPLICATION PROCEDURE FOR USE PERMIT**

A Public Hearing before the Planning Commission will be scheduled after the following information has been completed and submitted to the Planning Department Office:

1. Complete the following:
- Name of Applicant AT&T Mobility c/o Epic Wireless Group LLC
- Mailing Address 605 Coolidge Drive, Suite 100, Folsom, CA 95630
- Phone Number 916-936-5430
- Assessor Parcel Number 001-150-015-000
- Use Permit Applied For:
- Private Academic School
- Private Nonprofit Recreational Facility
- Public Building and Use(s)
- Airport, Heliport
- Cemetery
- Radio, Television Transmission Tower
- Club, Lodge, Fraternal Organization
- Dump, Garbage Disposal Site
- Church
- OTHER Unmanned Wireless Telecommunications Facility
2. Attach a letter explaining the purpose and need for the Use Permit.
3. Attach a copy of the deed of the property (can be obtained from the County Recorder's Office).
4. If Applicant is not the property owner, a consent letter must be attached.
5. Assessor Plat Map (can be obtained from the County Surveyor's Office).
6. Plot Plan (no larger than 11" X 17") of parcel showing location of request in relation to property lines, road easements, other structures, etc. (see Plot Plan Guidelines). Larger map(s) or plans may be submitted if a photo reduction is provided for notices, Staff Reports, etc. The need is for easy, mass reproduction.
7. Planning Department Filing Fee: \$ \_\_\_\_\_
- Environmental Health Review Fee: \$ \_\_\_\_\_
- Public Works Agency Review Fee: \$ \_\_\_\_\_
8. Complete an Environmental Information Form.
9. Sign Indemnification Form.



## ENVIRONMENTAL INFORMATION FORM

(To be completed by applicant; use additional sheets as necessary.)  
Attach plans, diagrams, etc. as appropriate.

### GENERAL INFORMATION

Project Name: CVL02310/Drytown  
AT&T Mobility CAF II High Speed Internet, FirstNet Program, and Capacity and Coverage

Date Filed: 11/2/2018 File No. \_\_\_\_\_

Applicant/ Developer	<u>AT&amp;T Mobility c/o Epic Wireless Group LLC</u>	Landowner	<u>Gordon Vicini</u>
Address	<u>605 Coolidge Drive, Suite 100</u> <u>Folsom, CA 95630</u>	Address	<u>3902 State Highway 16</u> <u>Plymouth, CA 95669</u>
Phone No.	<u>916-936-5430</u>	Phone No.	<u>530-622-1963</u>

Assessor Parcel Number(s) 001-150-015-000

Existing Zoning District AG

Existing General Plan A-G

List and describe any other related permits and other public approvals required for this project, including those required by city, regional, state, and federal agencies: N/A

**WRITTEN PROJECT DESCRIPTION** (Include the following information where applicable, as well as any other pertinent information to describe the proposed project):

1. Site Size
2. Square Footage of Existing/Proposed Structures
3. Number of Floors of Construction
4. Amount of Off-street Parking Provided (provide accurate detailed parking plan)
5. Source of Water
6. Method of Sewage Disposal
7. Attach Plans
8. Proposed Scheduling of Project Construction
9. If project to be developed in phases, describe anticipated incremental development.
10. Associated Projects
11. Subdivision/Land Division Projects: Tentative map will be sufficient unless you feel additional information is needed or the County requests further details.
12. Residential Projects: Include the number of units, schedule of unit sizes, range of sale prices or rents and type of household size expected.
13. Commercial Projects: Indicate the type of business, number of employees, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities.
14. Industrial Projects: Indicate type, estimated employment per shift, and loading facilities.
15. Institutional Projects: Indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project.
16. If the project involves a variance, conditional use permit, or rezoning application, state this and indicate clearly why the application is required.

**ADDITIONAL INFORMATION** Are the following items applicable to the project or its effects? Discuss below all items checked "yes" (attach additional sheets as necessary).

- | YES                                 | NO                                  |   |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 17. Change in existing features or any lakes or hills, or substantial alteration of ground contours.          |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 18. Change in scenic views or vistas from existing residential areas, public lands, or roads.                 |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 19. Change in pattern, scale, or character of general area of project.  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 20. Significant amounts of solid waste or litter.   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 21. Change in dust, ash, smoke, fumes, or odors in the vicinity.  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 22. Change in lake, stream, or ground water quality or quantity, or alteration of existing drainage patterns. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 23. Substantial change in existing noise or vibration levels in the vicinity.                                 |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 24. Site on filled land or has slopes of 10 percent or more.  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 25. Use or disposal of potentially hazardous materials, such as toxic substances, flammables, or explosives.  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 26. Substantial change in demand for municipal services (police, fire, water, sewage, etc.).                  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 27. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).                     |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 28. Does this project have a relationship to a larger project or series of projects?                          |

**ENVIRONMENTAL SETTING**

29. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site (cannot be returned).
30. Describe the surrounding properties, including information on plants and animals and any cultural, historical, or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, setback, rear yard, etc.). Attach photographs of the vicinity (cannot be returned).
31. Describe any known mine shafts, tunnels, air shafts, open hazardous excavations, etc. Attach photographs of any of these known features (cannot be returned).

Certification: I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date \_\_\_\_\_

\_\_\_\_\_  
(Signature)

For Epic Wireless Group on behalf of AT&T Mobility

**ADDITIONAL INFORMATION** Are the following items applicable to the project or its effects? Discuss below all items checked "yes" (attach additional sheets as necessary).

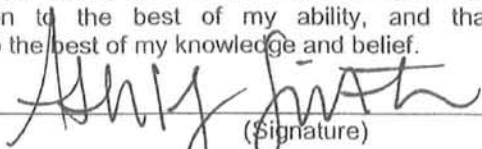
- | YES                                 | NO                                  |   |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 17. Change in existing features or any lakes or hills, or substantial alteration of ground contours.          |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 18. Change in scenic views or vistas from existing residential areas, public lands, or roads.                 |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 19. Change in pattern, scale, or character of general area of project.  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 20. Significant amounts of solid waste or litter.   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 21. Change in dust, ash, smoke, fumes, or odors in the vicinity.  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 22. Change in lake, stream, or ground water quality or quantity, or alteration of existing drainage patterns. |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 23. Substantial change in existing noise or vibration levels in the vicinity.                                 |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 24. Site on filled land or has slopes of 10 percent or more.  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 25. Use or disposal of potentially hazardous materials, such as toxic substances, flammables, or explosives.  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 26. Substantial change in demand for municipal services (police, fire, water, sewage, etc.).                  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 27. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).                     |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 28. Does this project have a relationship to a larger project or series of projects?                          |

**ENVIRONMENTAL SETTING**

29. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site (cannot be returned).
30. Describe the surrounding properties, including information on plants and animals and any cultural, historical, or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, setback, rear yard, etc.). Attach photographs of the vicinity (cannot be returned).
31. Describe any known mine shafts, tunnels, air shafts, open hazardous excavations, etc. Attach photographs of any of these known features (cannot be returned).

Certification: I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date 11.2.2018

  
 \_\_\_\_\_  
 (Signature)

For Epic Wireless Group on behalf of AT&T Mobility

**LETTER OF AUTHORIZATION  
TO FILE PERMIT APPLICATIONS**

Re: CVL02310/Drytown  
County APN: 001-150-015-000

To Whom It May Concern:

The undersigned, Landlord, are the owners of the property located at 3902 State Highway 16, Plymouth, CA 95669 County Assessor's Parcel No. 001-150-015-000, that is the subject of a Land Use application for a new AT&T Mobility Telecommunications Facility. The undersigned, Landlord, authorizes AT&T Mobility, C/O Epic Wirelss Group, and hereby authorizes Epic Wireless Group, its agent, to act as applicant to obtain any and all permits required for the approval and construction of this antenna/communication facility.

Landlord/Lessor:

  
\_\_\_\_\_

11-2-2018  
Date



On Behalf Of

**PROJECT SUPPORT STATEMENT  
ALTERNATIVE SITE ANALYSIS  
Summary of Site Evaluations and Technical Evidence  
Conducted by Epic Wireless Group, LLC**

**AT&T TELECOMMUNICATIONS FACILITY "DRYTOWN"**

**AT&T SITE NUMBER: CVL02310**

**AUTHORIZED AGENT:**

**EPIC WIRELESS GROUP, LLC**

**ZONING MANAGER:**

**ASHLEY SMITH; 916-936-5430; Ashley.smith@epicwireless.net**

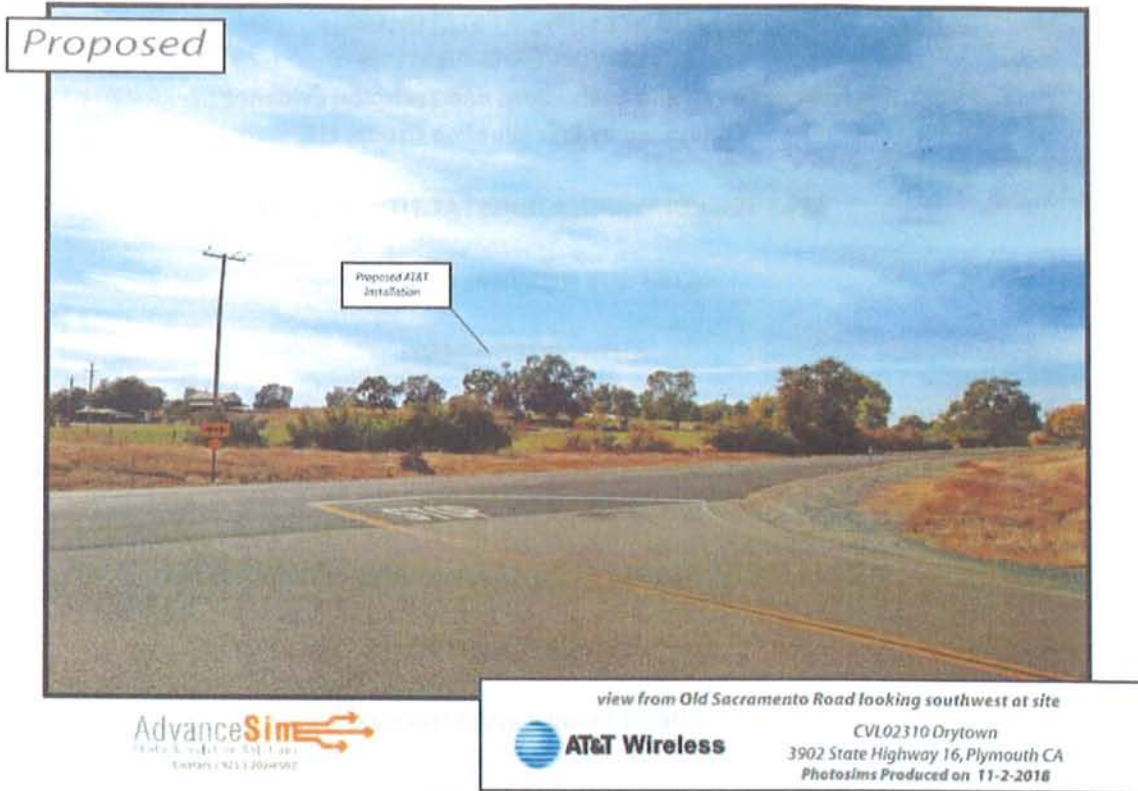
**PROPERTY OWNER:**

**VICINI FAMILY INVESTMENTS**

**APN: 001-150-015**

**3902 STATE HIGHWAY 16, PLYMOUTH, CA**

- 
- **PROJECT'S BACKGROUND SUMMARY AND OBJECTIVES**
    - **SEARCH RING'S METHODOLOGY**
    - **POTENTIAL CO-LOCATIONS**
      - **EXISTING TOWERS**
    - **ALTERNATIVE SITE ANALYSIS**
  - **SUBJECT PARCEL AND SITE DETAILS**
    - **OPERATION STATEMENT**



**I. Executive Summary**

In the second quarter of 2018, Epic Wireless Group LLC was contracted by AT&T to identify a wireless site location and design to provide high speed internet for the FCC's Connect America Fund II project and improve the wireless coverage and capacity in the area of Drytown. After conducting thorough research and evaluation of existing properties and structures in the area that would accommodate a collocation, AT&T determined a new tower must be constructed to adequately meet the internet service goals and wireless coverage and capacity goals as well as bring the new FirstNet program to the area of Drytown.

In 2017 the Board of Supervisors denied a similar project as proposed by AT&T as it was preferred AT&T collocated on ATC's existing facility located near Highway 16. To date ATC and AT&T have not been able to come to a National Agreement whereby collocating on ATC Towers nationwide would be allowed. As a result, that FCC issued ring was abandoned by AT&T, and AT&T moved to another area in the County where they could serve a different group of residences with access to high speed wireless internet. This new proposal unlike the original, now will include the FirstNet Technologies to provide first responders with a dedicated network.

Epic Wireless investigated the areas within the given ring, in order to find a feasible location for AT&T's and the community's needs.

**II. Coverage Objective**

The FCC has determined that this is an area with insufficient internet service. As a result, this area was included in the FCC's Connect America Fund – II project. This purpose of this project is to bring high speed internet to underserved communities. This is measured by the number of living units that will be serviced by the facility. This particular project requires line-of-sight to serve the maximum number of living units. In addition to improving the internet service, AT&T will also provide improved wireless coverage. Due to the rural nature of this area, the tower will also include the FirstNet program. FirstNet is a single, nationwide network strictly dedicated to public safety communications. The FirstNet program allows first responders to get information quickly to help them make decisions in a timely manner. In times of emergency or planned public events when the data capacity is full, FirstNet will throttle the data to provide the needed bandwidth to public safety workers. This network will allow first responders and public safety workers to send and receive voice, data, and text without concerns of network congestion. This network would not only benefit those in larger cities, but those in rural America that don't have the needed coverage for cell use, let alone emergencies.

**III. Project Description**

The proposed site is .2 miles northeast of the center of the search ring and 5.31 miles northwest of the city of Drytown. The proposed tower is located is on the Vicini Property off of Highway 16. All equipment needed by AT&T to run this facility will be within a small area leased from the Vicini's. AT&T will be proposing a new site build of a 115' Monopole. For this project, AT&T will be leasing a 50'x50' fenced in lease area on the center of the property. Within this c there will be a 20kw diesel generator with a generator tank, a pre-fab WIC (walk in cabinet), and this would all be enclosed by a six foot fence.

**III. Search Ring's Methodology**

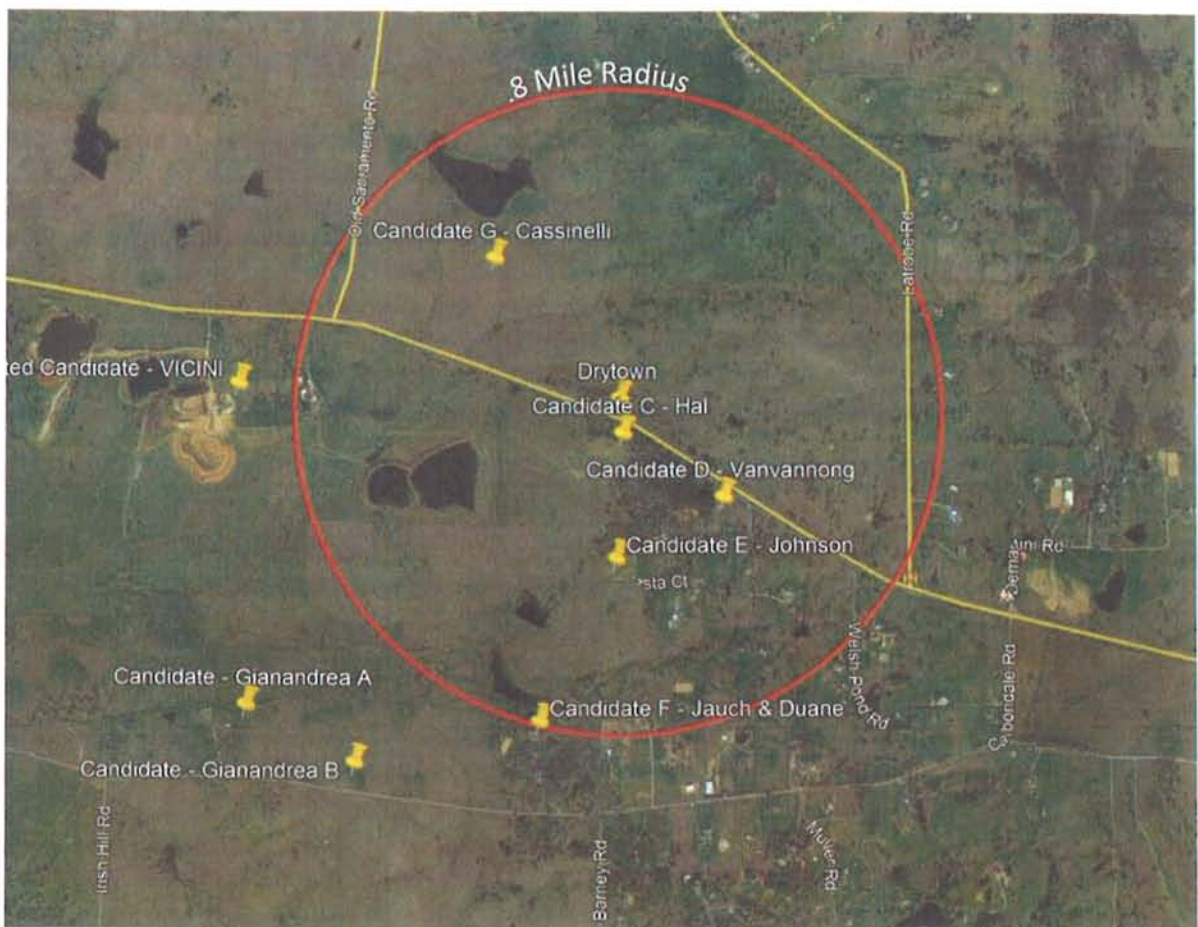
In order for Epic Wireless to start the process of finding a site, we first await for AT&T to provide us with a new project. AT&T receives the new project from the FCC when they identify an area that is in need of service. The way the area is presented to AT&T and then to Epic Wireless is by an identified search ring in the area. This ring can be as small as .2 miles to 1 mile. The site acquisition specialists (Epic Wireless) are to then find a parcel within the given ring. It is vital to the project goals that the candidates investigated are within the ring provided. If the location is even 100 ft. outside of the search ring the candidate will be deemed inadequate by not meeting the Radio Frequency Engineers living unit goals for the project.

In identifying the least intrusive site location and design, AT&T looks to topography, local code, ordinances, and general plans to identify the values significant to the local community for placement of wireless facilities. In addition, each proposed site must meet minimum requirements of fulfilling living units and coverage objectives, a willing landlord, feasible construction, road access, available telephone and electrical utilities as well as compliance with local zoning requirements.

Epic Wireless first attempted to identify existing cell towers for collocation. No existing cell towers were identified in the immediate area within the ring given to AT&T by the FCC. The closest tower in proximity to the search ring was an ATC Tower located 3 miles east of the chosen candidate. However, this tower would not be feasible in order to provide high speed internet to the residences within this ring.

**IV. Potential Co-locations:**

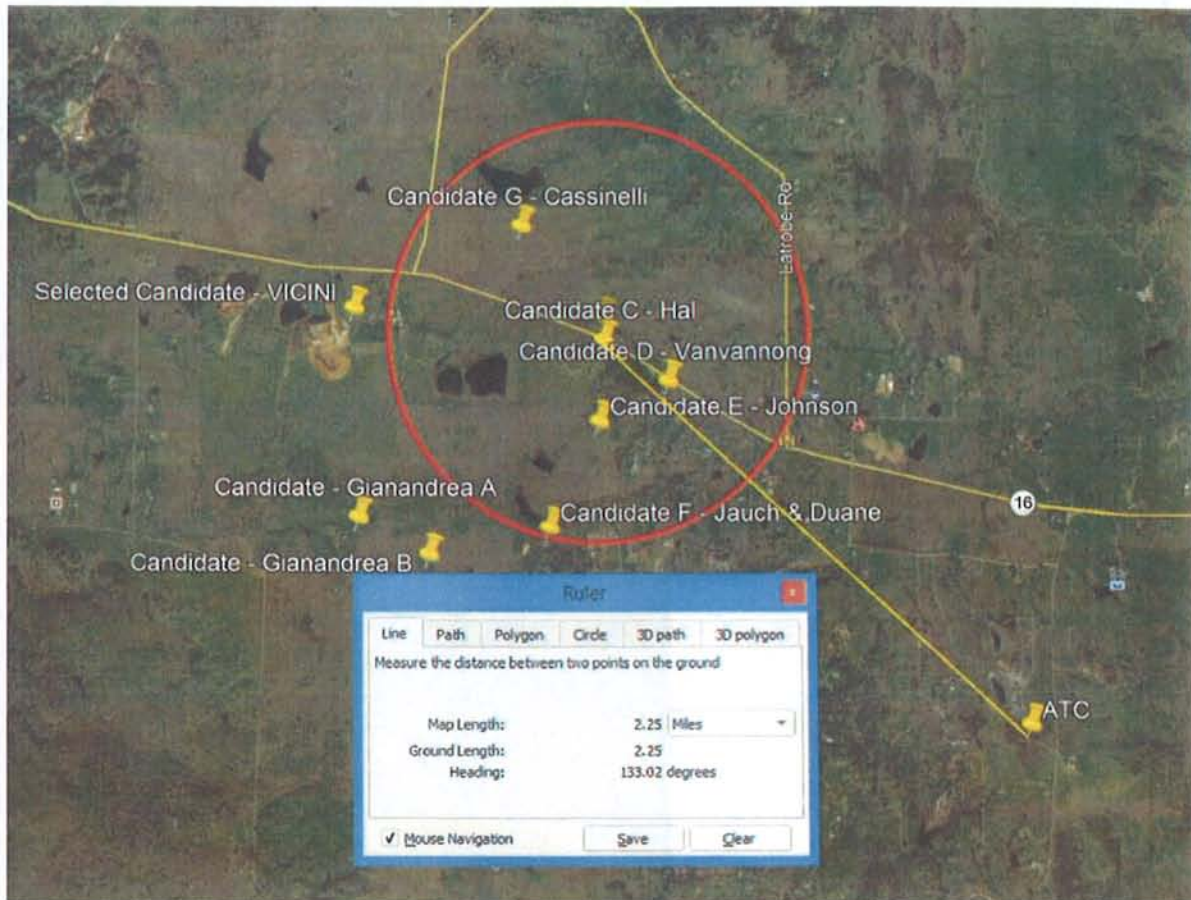
Due to the area within the search ring encompassing a low populated area there are no potential co-location opportunities in the vicinity of the search ring. The CAF II program is directed towards the rural areas in America in which obtaining broadband internet is difficult to access. In order for the specified Living Units to be met, the site must be within the .8 mile radius.






**V. Existing Telecommunication Facilities**

Before finding a location in the designated search ring issued by AT&T, Epic wireless first looks to see if there are any feasible existing telecommunications facilities in the area. According to the data found on Tower sites, there were no facilities that were in the vicinity of the site. In order for AT&T to have a colocation opportunity on an existing telecommunications facility, we would have to move 2.25 miles southeast of the center of the search ring. If we were to move the site 2.25 miles north for colocation, the residences within this current ring would not be able to benefit from this program.

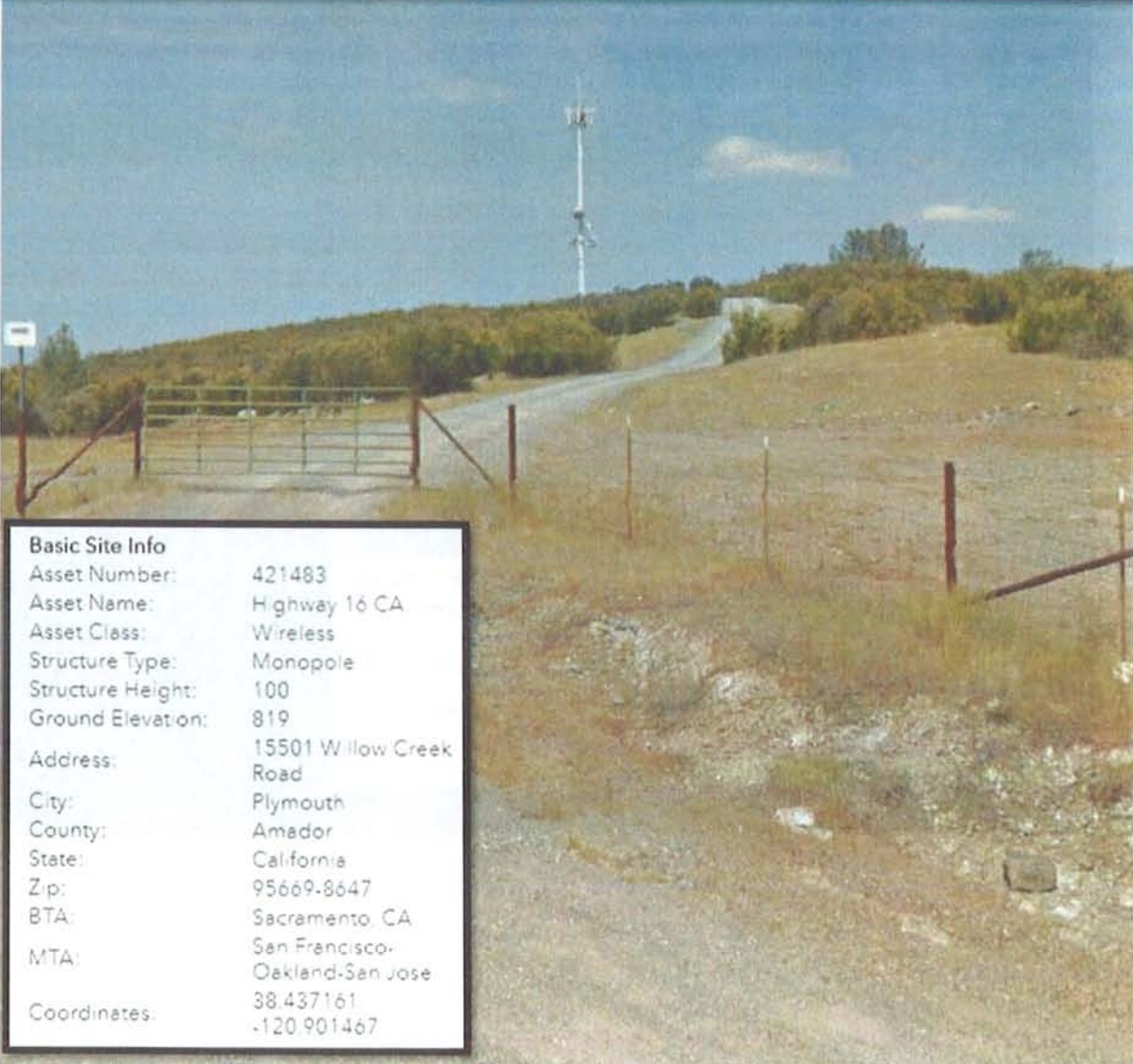


i. **ATC TOWER – HIGHWAY 16 CA**  
**15501 Willow Creek Road, Plymouth, CA 95669-8647**

This tower owned by American Tower Company is a 100' Monopole situated off of Willow Creek Road. Unfortunately, due to the proposed location being 2.25 miles outside of the search ring this site would not be suitable from a site acquisition perspective for this project, with the possibility of missing the objective due to the location of the tower not being deemed inadequate by the FCC for lack of high speed internet service.

 **Asset Number: 421483**
**Asset Name: Highway 16 CA**

Lat / Long: 38.43716, -120.90146 | Address: 15501 Willow Creek Road, Plymouth, California, 95669-8647



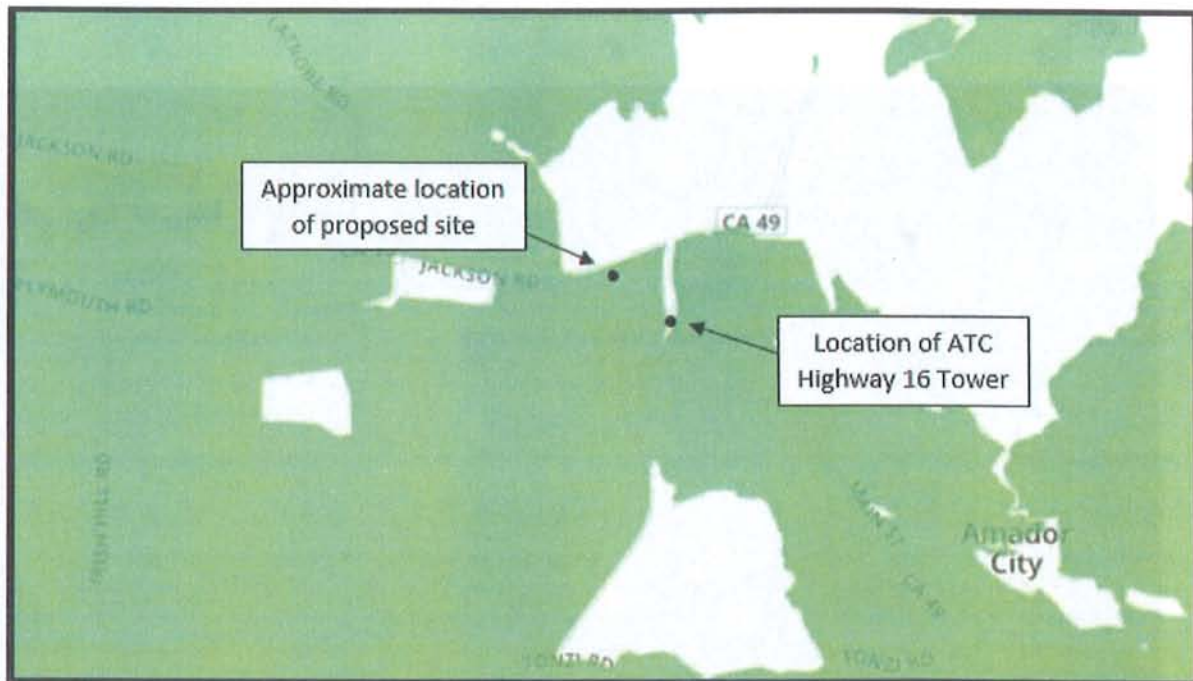
**Basic Site Info**

Asset Number:	421483
Asset Name:	Highway 16 CA
Asset Class:	Wireless
Structure Type:	Monopole
Structure Height:	100
Ground Elevation:	819
Address:	15501 Willow Creek Road
City:	Plymouth
County:	Amador
State:	California
Zip:	95669-8647
BTA:	Sacramento, CA
MTA:	San Francisco-Oakland-San Jose
Coordinates:	38.437161 -120.901467

ii. CONNECT AMERICA FUND ACCEPTED AREAS MAP

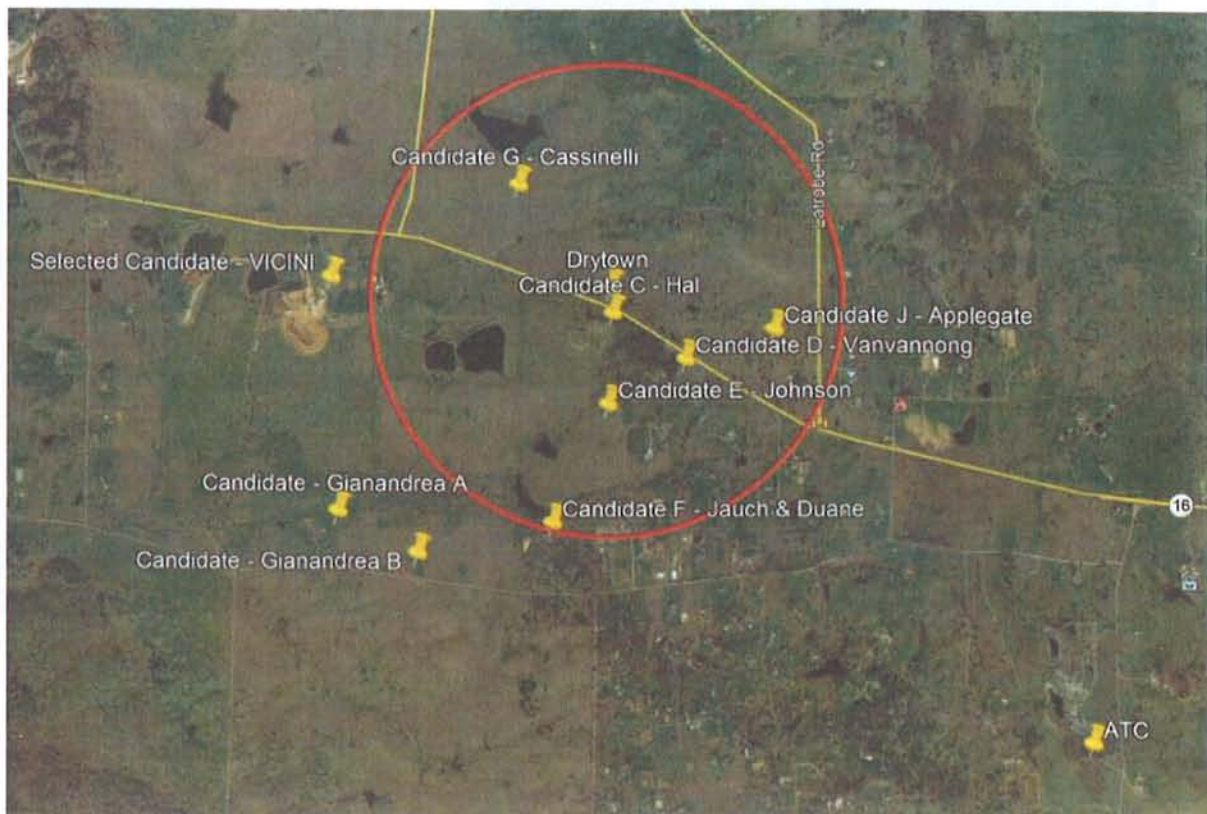
This map identifies the areas in which the FCC has identified as being inadequately and adequately served in America. The areas of **green** show the areas in which the FCC deemed inadequate and would need the service, the areas of no color are already being served and will not need this service in that area.

As you can see from the below map, the existing ATC tower is in the area that is deemed adequately served by the FCC for high speed internet. However, the proposed site is in the green therefore is in need of high speed internet and is deemed inadequately served by the FCC.



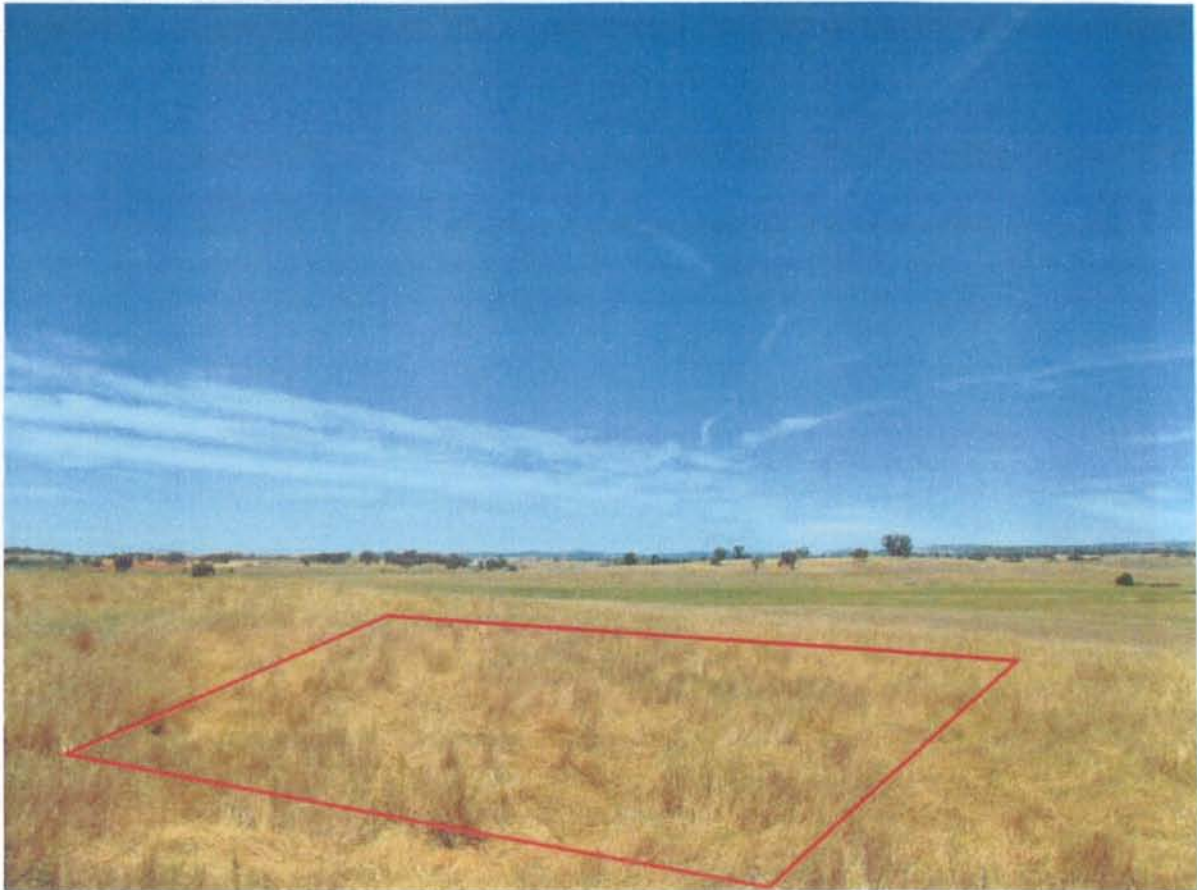
**VI. ALTERNATIVE SITE ANALYSIS**

In total there were nine (9) candidates in which Epic Wireless tried to contact for feasibility purposes to meet the goals intended for this search ring. Out of the nine locations, six (6) were unresponsive, and were not investigated any further, and one was an ATC Tower nearly 2.25 miles outside of the designated ring. The last two were investigated thoroughly to see if they would be able to meet AT&T's goals. Epic Wireless was able to complete feasibility walks in order to determine if the proposed sites would be suitable for this project. Due to the search ring encompassing an area of .8 miles of a rural agricultural area, we were unable to find multiple locations in which landlords had interest. Luckily we were able to find an industrial parcel within this community at a higher elevation that would meet both the setbacks and ordinances of the county, as well as meet the needs of AT&T Mobility.



i. CANDIDATES INVESTIGATED

1. APN: 001-180-019-000



The first site that was investigated by Epic Wireless Group was a 287.38 acre parcel off of Carbondale Road owned by the Gianandrea Family. The parcel is completely vacant. This site was proposed to be a 150' monopole due to the distance outside of the search ring. This property was further away from the search ring (.32 miles) than our selected candidate (.14 miles). The closest living unit to the location of this proposed site was .45 miles away to the East. Due to the distance outside of the search ring, and the elevation of the proposed site, the parcel was not deemed suitable for this project.

2. APN: 001-180-018-000



Epic Wireless investigated another property owned by the Gianandrea's that was a 144.6 acre parcel. This parcel has an existing living unit and barn on the property. The site proposed was a 150' monopole within a 50'x50' lease area. The proposed location of this facility on the parcel was designed to meet all setbacks. The Gianandrea's property is approximately .42 miles west of the search ring. This was the lowest elevation of the three potential locations that Epic Wireless investigated. However, after much talk about the location of the proposed site, the Gianandrea's decided against this location due to the vicinity of the tower near their home. At that time this parcel was disqualified.

On Behalf Of

The following sites were considered and letters of interest sent out but received no response:

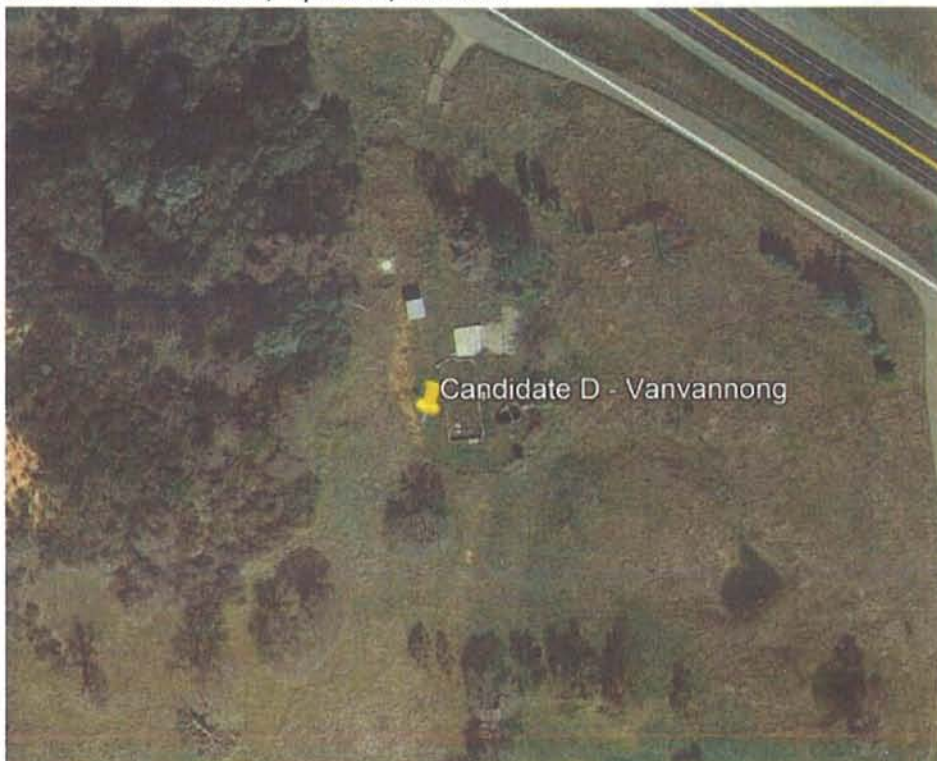
**Candidate C:**

5110 Welsh Pond Road, Plymouth, CA 95669



**Candidate D:**

5150 Welsh Pond Road, Plymouth, CA 95669



On Behalf Of

**Candidate E:**

5001 Asta Court, Plymouth, CA 95669



**Candidate F:**

4601 Carbondale Road, Plymouth, CA 95669





On Behalf Of

**Candidate G:**

APN: 001-150-011-510



**Candidate H:**

18105 Latrobe Road, Plymouth, CA 95669

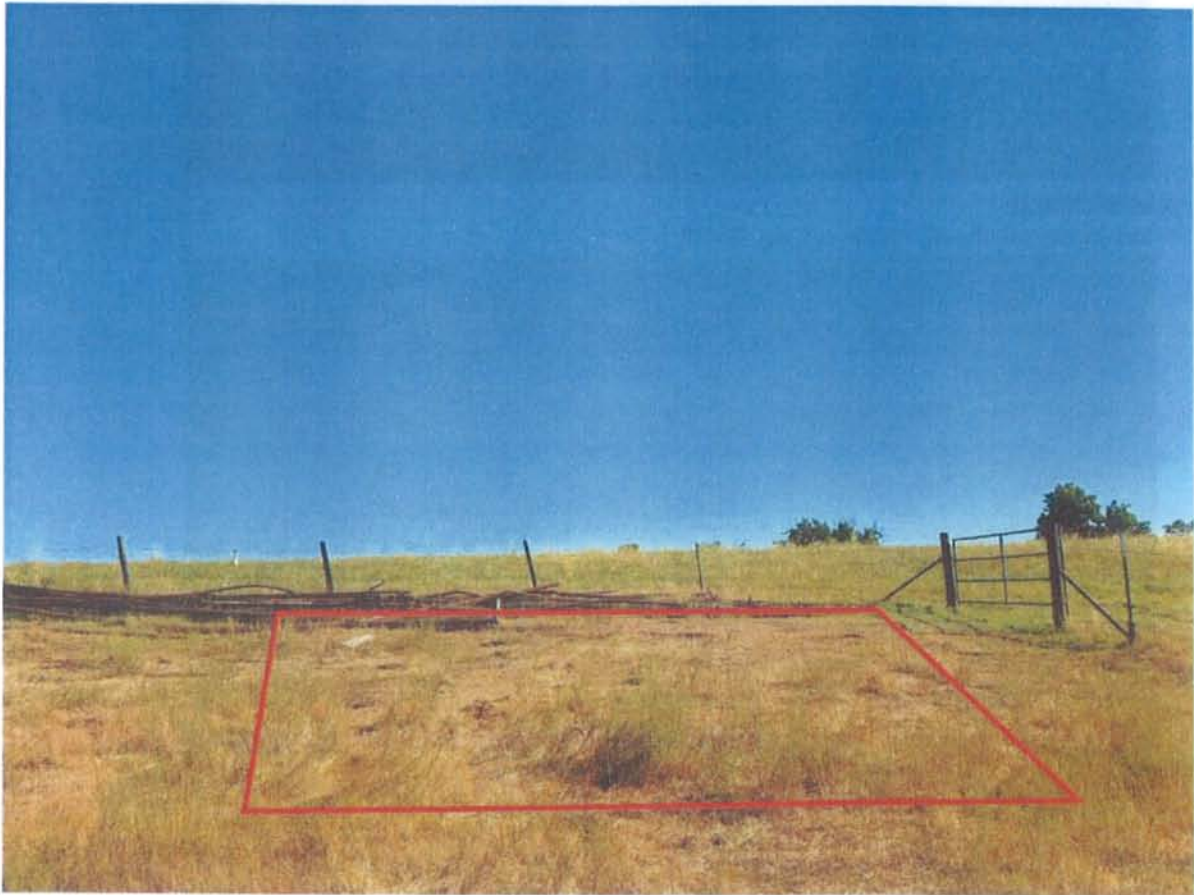


VII. Chosen Candidate

i. ACTUAL VIEW OF THE PROPOSED LOCATION:

APN: 001-150-015-000

Epic Wireless investigated a third location within the vicinity of the search ring. This parcel currently has a sand and gravel plant on the property, which is owned by the Vicini Family. The site is right off of Highway 16, which is a public right of way, and .14 miles outside of the center of the search ring. The site will consist of a 115' Monopole, within a 50'x50' lease are on the property. The proposed location of this facility on the parcel was designed to meet all setbacks. Due to the industrial location on the property, we are proposing a monopole to blend in with the surroundings. Due to the location of the site and the vicinity being near the search ring, this site was deemed adequate by our Radio Frequency Engineers at AT&T to meet all Living Unit goals.



IX. OPERATIONAL STATEMENT

This project is an AT&T Mobility unmanned Telecommunications Wireless Facility. It will consist of the following:

**PROPOSED SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.**

1. **BRING POWER / TELCO / FIBER TO SITE LOCATION**
2. **50'X50' FENCED LEASE AREA**
3. **INSTALL AT&T APPROVED PRE-MANUFACTURED 8'x8' EQUIPMENT SHELTER WITH GENERATOR PATIO AND ASSOCIATED INTERIOR EQUIPMENT**
4. **ADD (1) PROPOSED GPS UNITS**
5. **ADD 115'-0" MONOPOLE**
6. **ADD (12) ANTENNAS, (4) PER ALPHA, BETA, GAMMA SECTOR**
7. **ADD (24) PROPOSED RRUS**
8. **ADD (4) SURGE SUPPRESSORS**
9. **ADD 6'-0" HIGH CHAIN LINK FENCE**
10. **ADD 20KW AC DIESEL GENERATOR WITH ATTACHED 92 GALLON BELLY TANK**

The facility will operate 24 hours a day 7 days a week. Maintenance workers will visit the site approximately once a month or once a quarter. There will be minimal noise from the standby generator, turning on once a month for 10 minutes for maintenance purposes limited to Monday through Friday between 8am and 5pm and during emergency power outages. The tower will be built to provide co-location opportunities for future carriers or public safety entities.

IV. Conclusion

The identified site location and design of the proposed facility represents a thorough and responsible investigation of alternative site locations. AT&T, with the help of Epic Wireless and AT&T Wireless RF Engineers, has determined the proposed site to be the least intrusive means to service the maximum number of living units. This facility is believed to have the least impacts to the community while offering future opportunity for other carriers to collocate.

The area of Drytown will benefit immensely from this tower in this specified location. From the wireless high speed internet, wireless capacity and coverage, to the FirstNet Program all of which is greatly needed in this area. For this reason, Epic Wireless is requesting review and approval on this project.

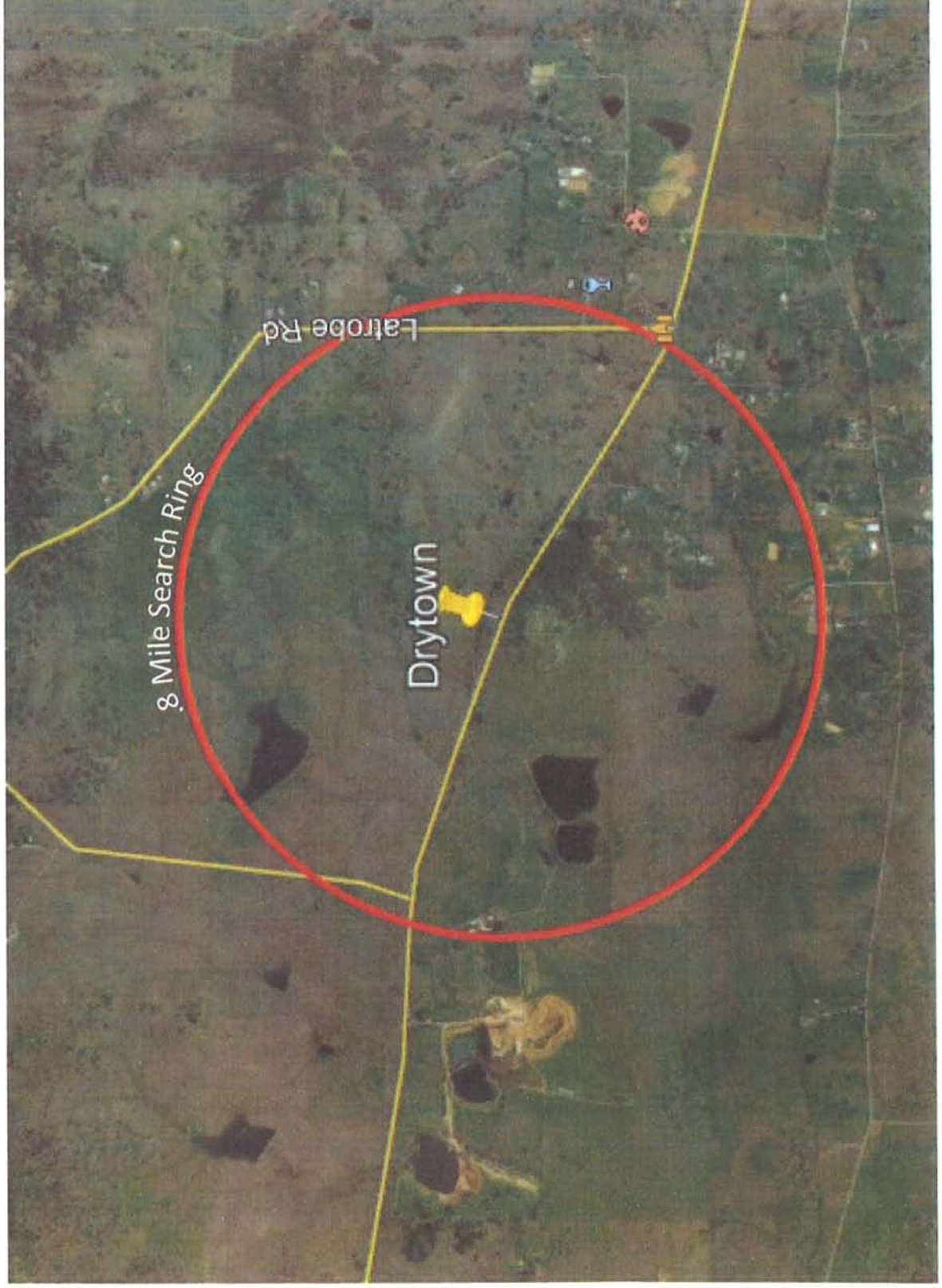
# GOOGLE MAP AERIAL PHOTO

CVL02310/Drytown



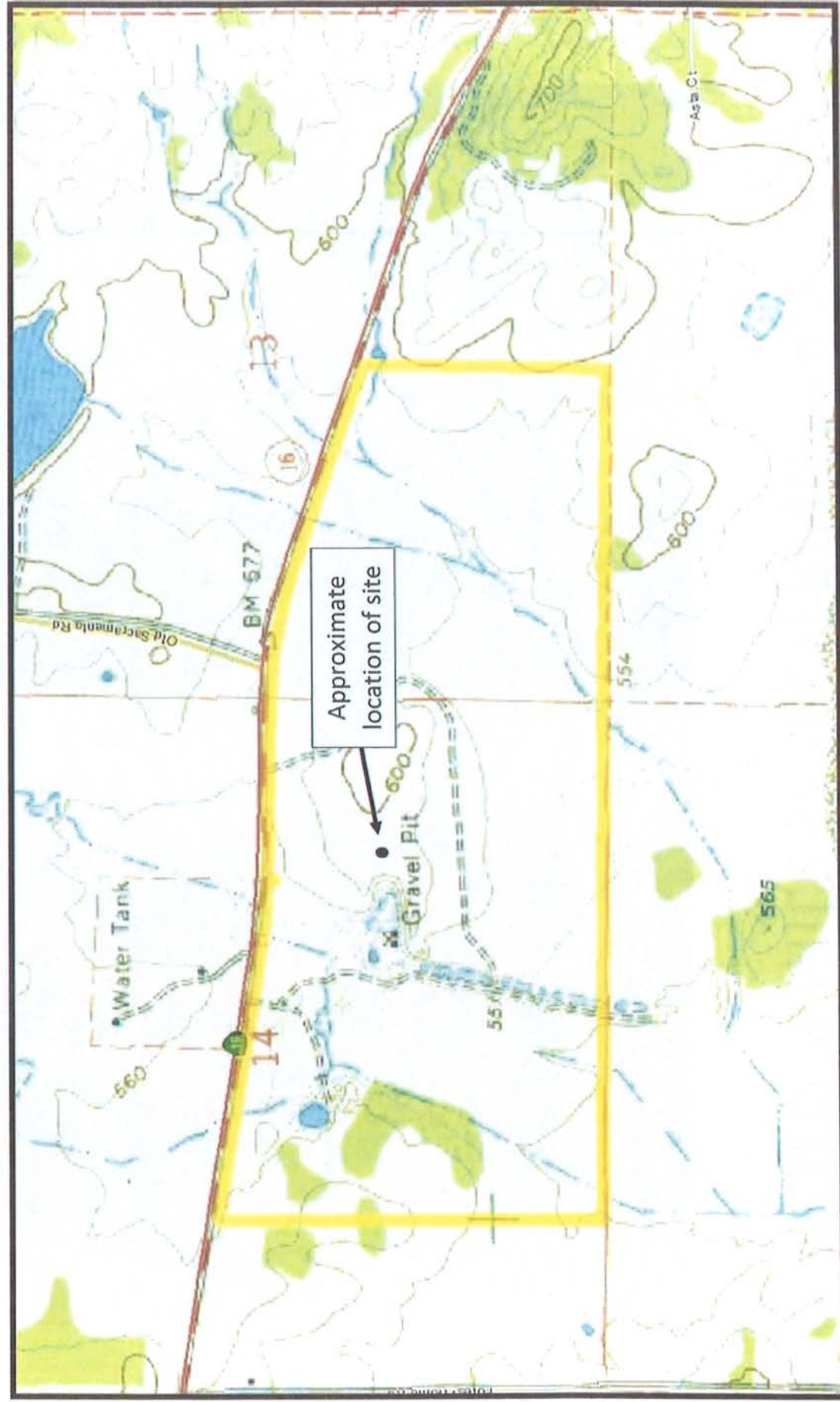
# FCC ISSUED .8 MILE SEARCH RING MAP

CVL02310/Drytown



# USGS TOPOGRAPHIC MAP

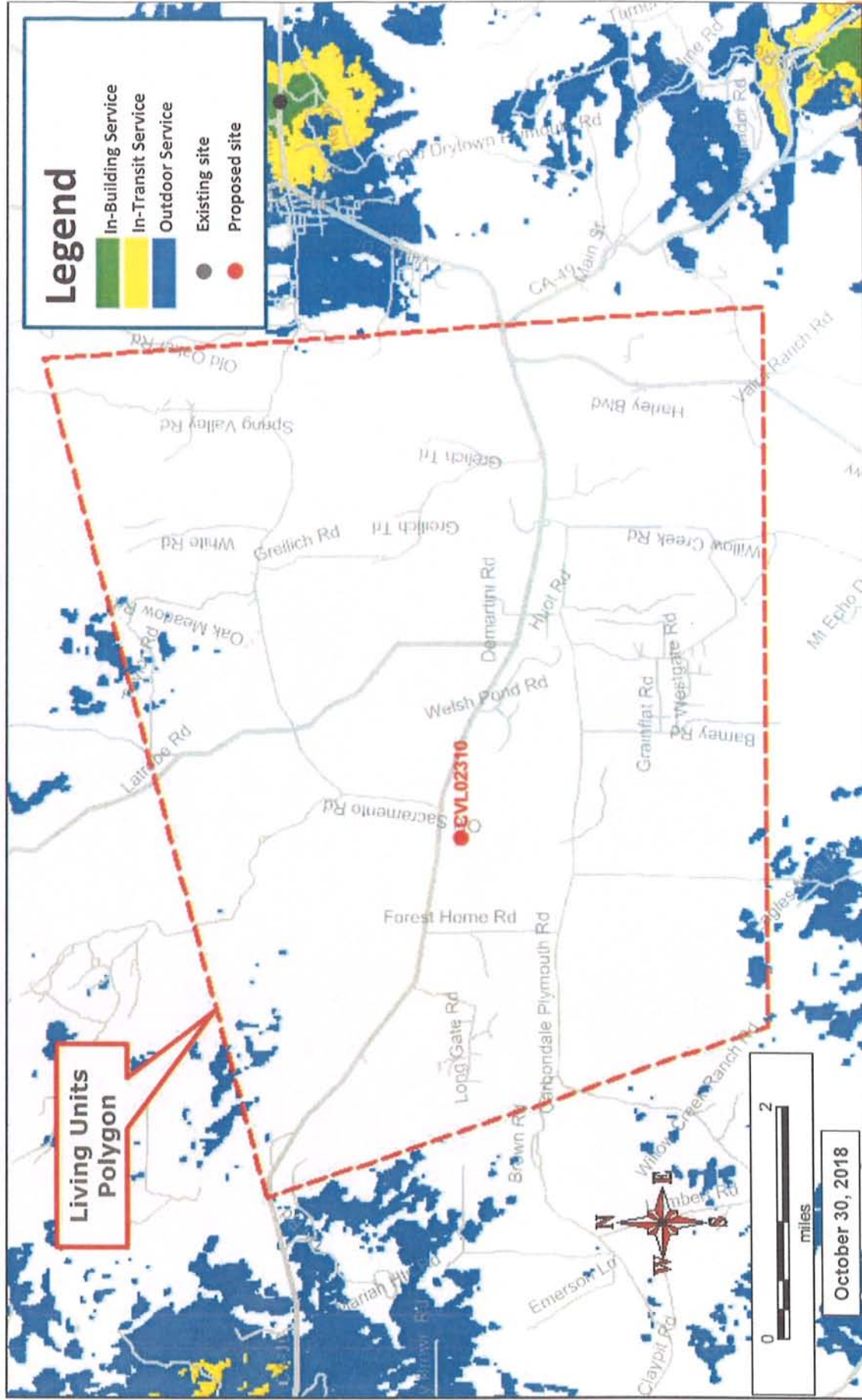
CVL02310/Drytown



**CVL02310 Zoning Propagation Map**

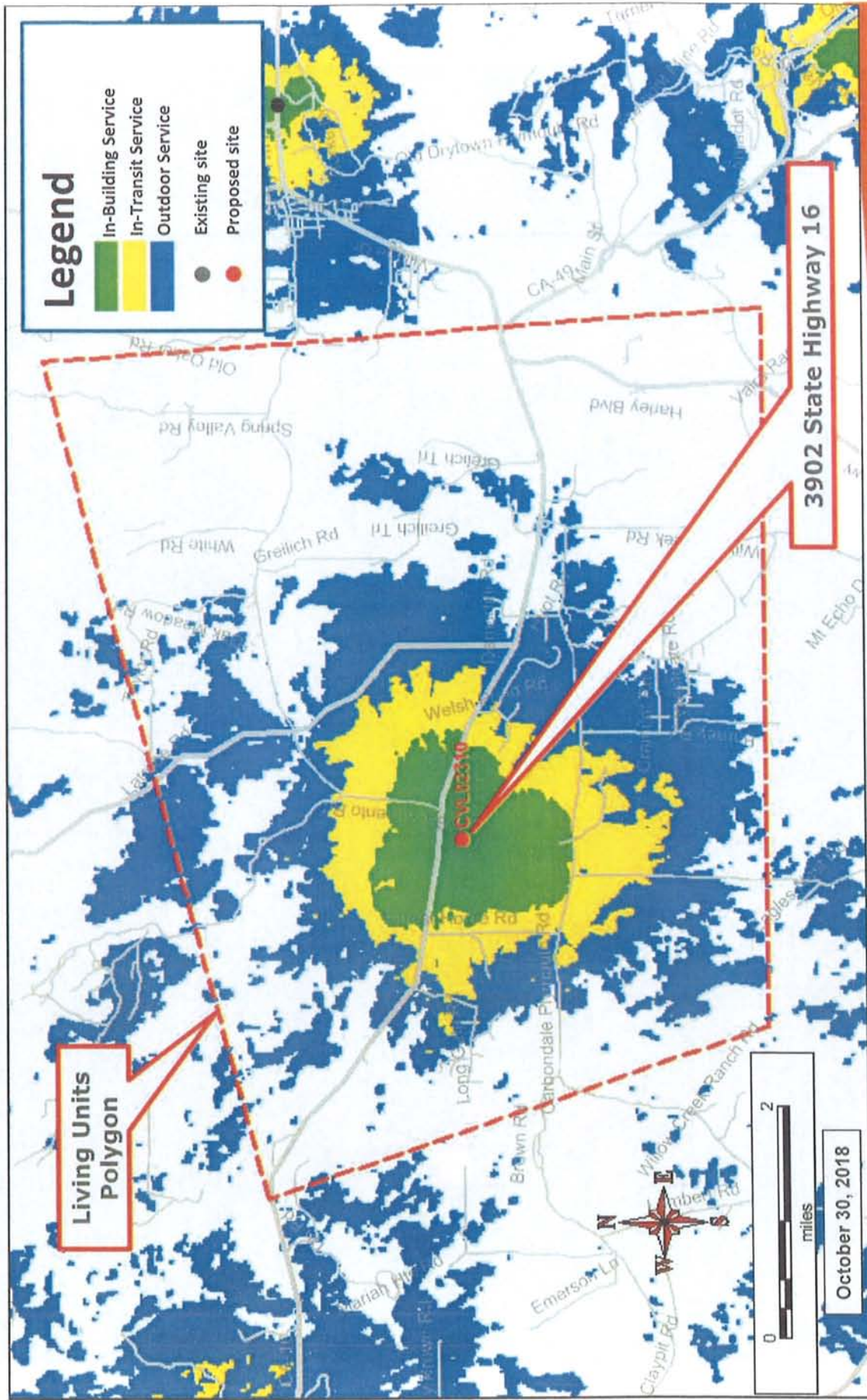
October 30, 2018

# Existing LTE 700 Coverage

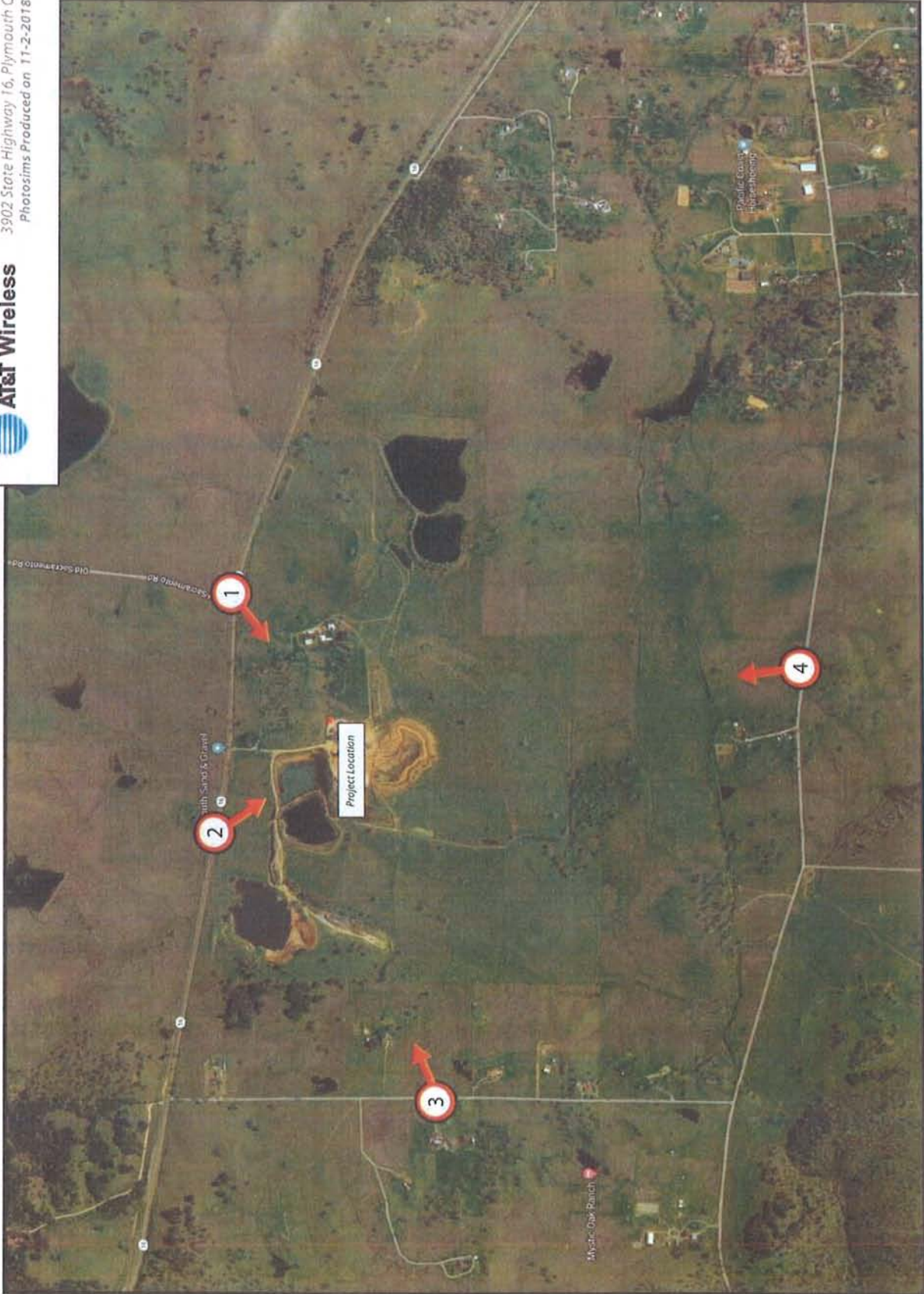




# Proposed LTE 700 Coverage (RC = 110')



CVL02310 Drytown  
3902 State Highway 16, Plymouth CA  
Photosims Produced on 11-2-2016



Shot Point Map

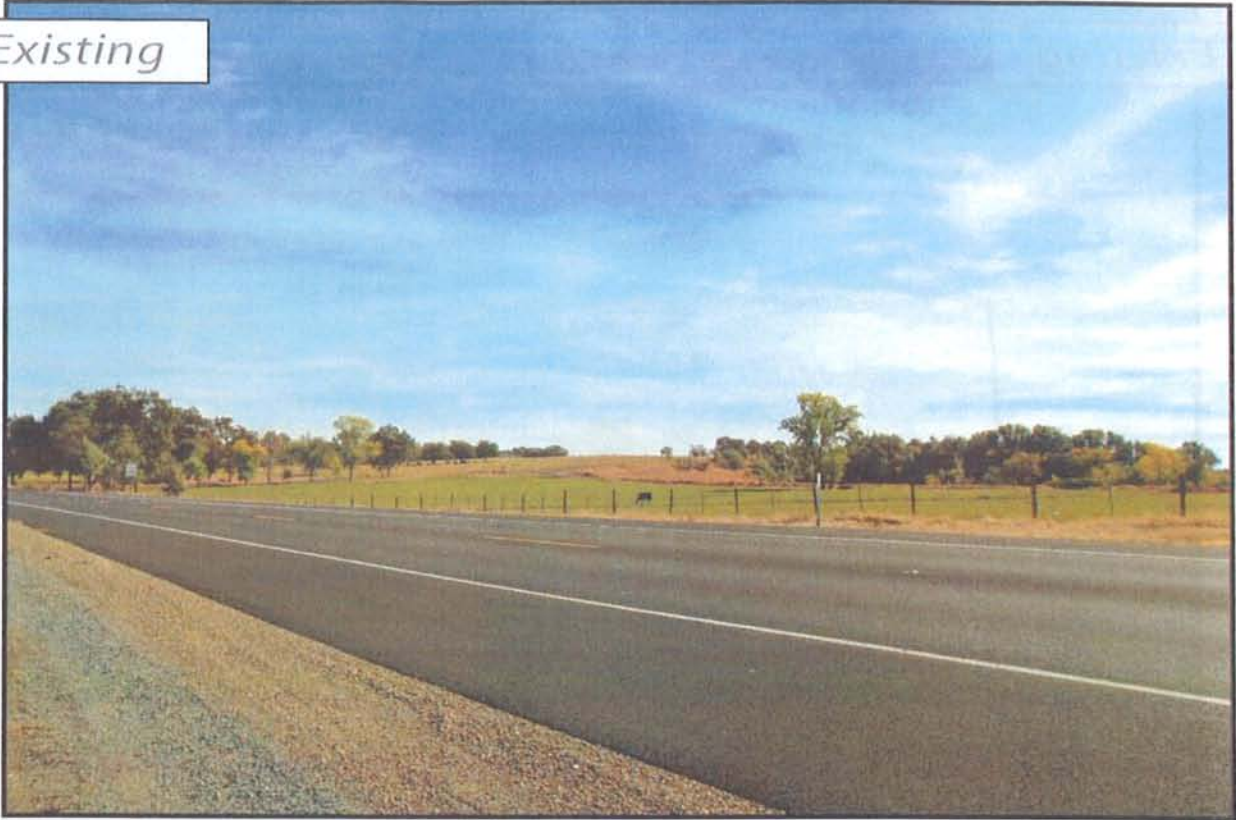
Existing



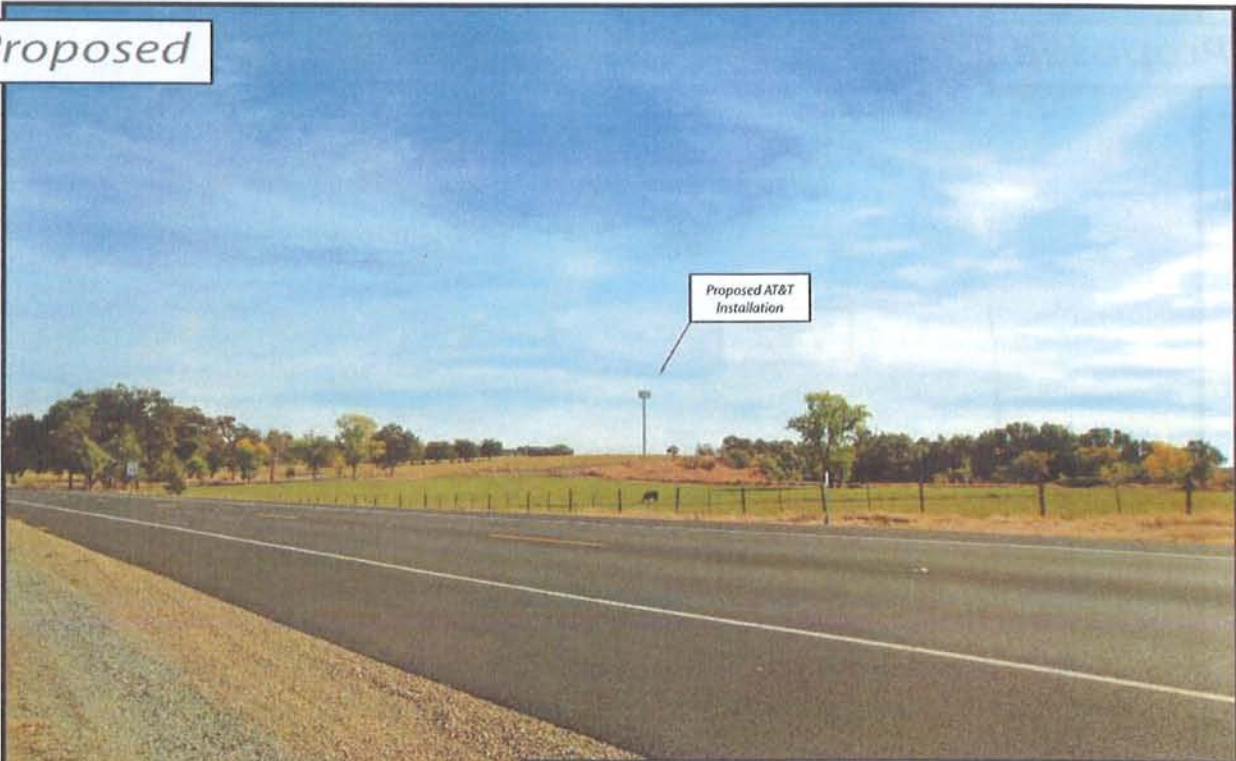
Proposed



Existing



Proposed



view from Highway 16 looking southeast at site

Existing



Proposed



view from Forest Home Road looking northeast at site

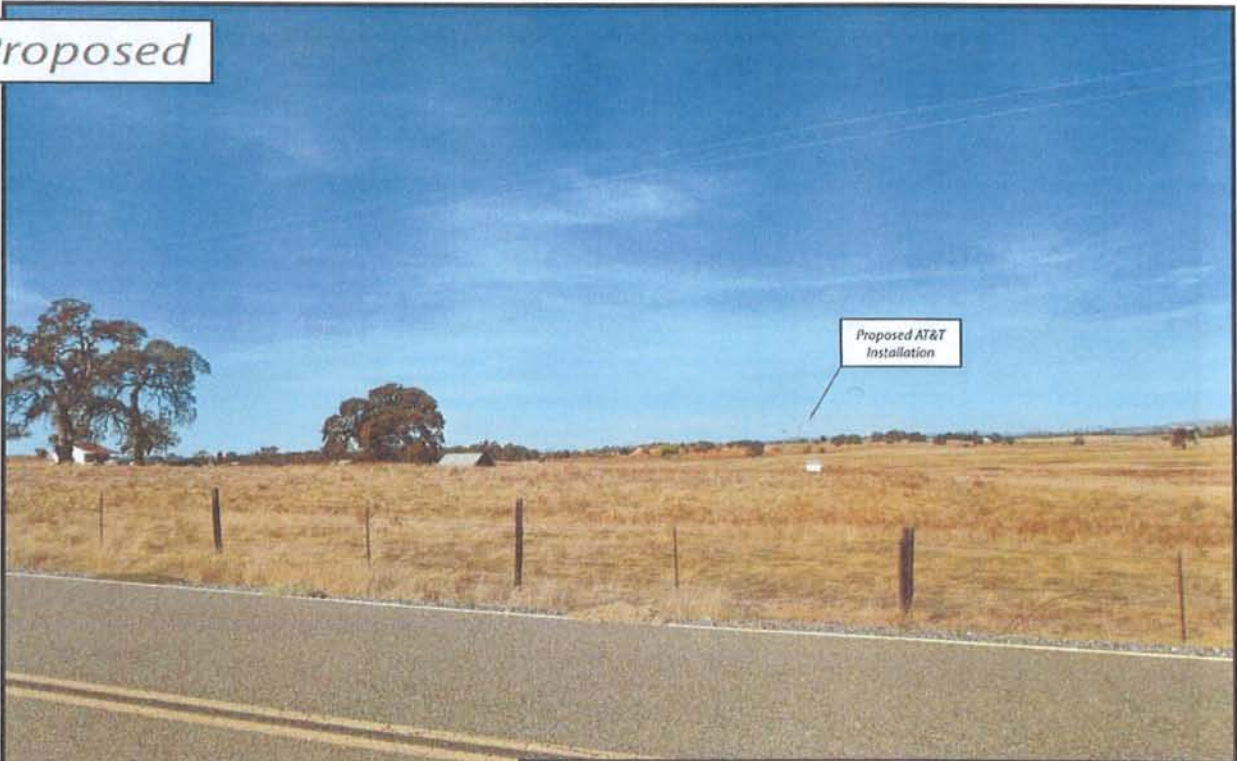


CVL02310 Drytown  
3902 State Highway 16, Plymouth CA  
Photosims Produced on 11-2-2018

Existing



Proposed



view from Carbondale Road looking north at site

# ELECTROMAGNETIC ENERGY (EME) EXPOSURE REPORT

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Site Name: Drytown Vicini Trust  
Site ID: CVL02310  
USID: 220456  
FA Location: 13787656

Site Type: Monopole

Location: 3902 State Highway 16  
Plymouth, CA 95669

Latitude (NAD83): 38.460039  
Longitude (NAD83): -120.948836

Report Completed: November 02, 2018  
AT&T M-RFSC Casey Chan



Prepared By:

Prepared for: AT&T Mobility  
c/o Caldwell Compliance, Inc.  
6900 Koll Center Parkway.  
Ste. 401  
Pleasanton, CA 94566

## **Executive Summary**

Occupational Safety & Compliance Engineering (OSC Engineering) has been contracted by Caldwell Compliance, Inc. to conduct an RF (radio frequency) computer simulated analysis. The Federal Communications Commission (FCC) has set limits on RF energy exposed to humans on a wireless cell site in order to ensure safety. The FCC has also mandated that all RF wireless sites must be in compliance with the FCC limits and a compliance check should be performed routinely to ensure site compliance.

This report is an in depth analysis summarizing the results of the RF modeling provided to us by AT&T and in relation to relevant FCC RF compliance standards. A reanalysis is recommended upon the site going on air.

OSC Engineering uses the FCC OET-65 as well as AT&T Standards to make recommendations based on results and information gathered from drawings and Radio Frequency Data Sheets.

For this report, OSC Engineering utilized Roofview® software for the theoretical analysis of the AT&T Cellular Facility.

A site-specific compliance plan is recommended for each transmitting site. This report serves as a single piece of the overall compliance plan.

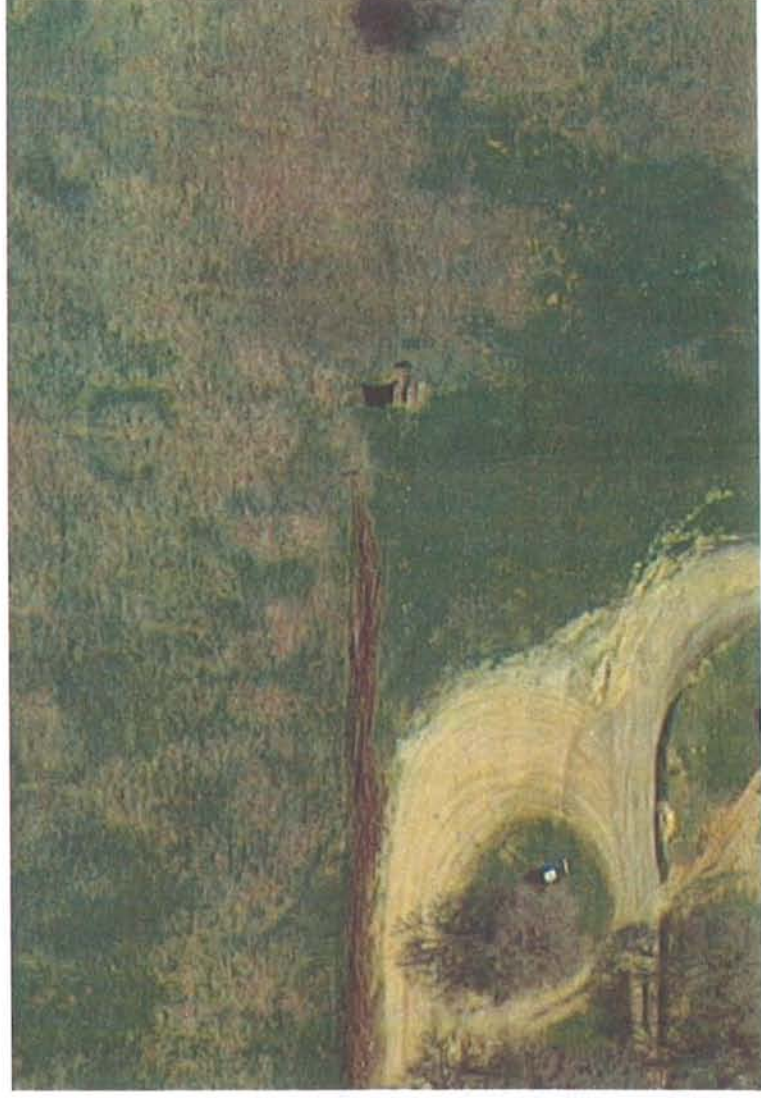
## **Site Compliance Conclusion**

**The AT&T site CVL02310 located at 3902 State Highway 16 Plymouth, CA 95669 will comply with FCC Guidelines.**



### **Site Overview and Description**

- The antennas are mounted on a monopole
- The site consists of three (3) sectors with a total of twelve (12) antennas
- The site is within a fenced in area, access to the site is via a gate
- The site is not co-located



### **Compliance Results of the Proposed Site (theoretical simulation)**

A result over 100% does not make a site out of compliance with FCC guidelines. For results over 100% of the FCC Limit, further remediation is required to consider the site compliant per FCC Guidelines. See the last page of this report entitled **RECOMMENDATIONS** for compliance actions required for FCC and AT&T Compliance. Only areas within the demarcated areas (barriers) are over the FCC Limit. The remediation actions bring the site into compliance. Results are given in terms of the FCC General Population. Please see the page entitled **FCC MPE Limits (from OET-65)** for further information. For the purpose of theoretical simulation, OSC Engineering models antennas as if they are operating at full power (100% capacity). This assumption yields more conservative (higher) results. On-site measurements may yield different results, as antennas do not always operate at full capacity.

#### **Max RF Exposure Level simulated (AT&T antennas @ ground):**

4.00 % FCC General Population MPE Limit

## Antenna Inventory

All technical data and specifications shown below are collected from drawings and/or documents provided by the client, as well as from online databases and/or a visit to this facility. Unknown wireless transmitting antennas are simulated using conservative values when information is not available.

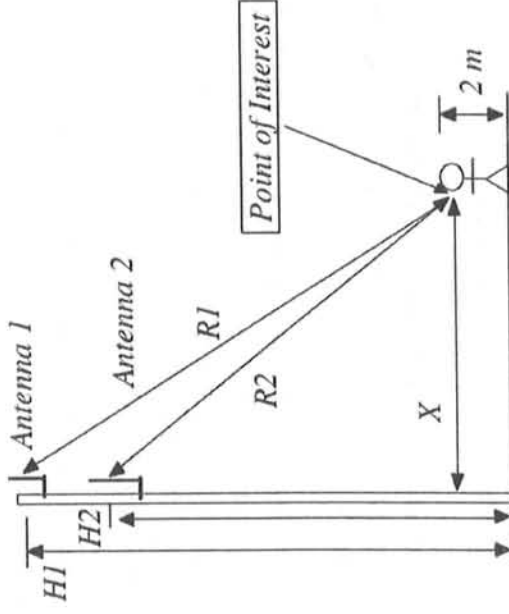
Antenna	Operator / Technology	Frequency (MHz)	Input Power (watts)	Antenna Type	Antenna Make	Antenna Model	Azimuth (°T)	Ground (Z) (ft)
A1	AT&T LTE	2300	160.00	Panel	CCI	BSA-M65R-BUU-H6	58	107
A1	AT&T LTE	2300	160.00	Panel	CCI	BSA-M65R-BUU-H6	102	107
A2	AT&T LTE B17	700	120.00	Panel	Kathrein	800-10966 K	70	106
A2	AT&T LTE	850	120.00	Panel	Kathrein	800-10966 K	70	106
A2	AT&T LTE	1900	160.00	Panel	Kathrein	800-10966 K	70	106
A3	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10966 K	70	106
A3	AT&T LTE	2100	160.00	Panel	Kathrein	800-10966 K	70	106
A4	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10866 K	70	106
B1	AT&T LTE	2300	160.00	Panel	Kathrein	800-10865 K	300	106.9
B2	AT&T LTE B17	700	120.00	Panel	Kathrein	800-10966 K	310	106
B2	AT&T LTE	850	120.00	Panel	Kathrein	800-10966 K	310	106
B2	AT&T LTE	1900	160.00	Panel	Kathrein	800-10966 K	310	106
B3	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10966 K	310	106
B3	AT&T LTE	2100	160.00	Panel	Kathrein	800-10966 K	310	106
B4	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10866 K	310	106

Antenna	Operator / Technology	Frequency (MHz)	Input Power (watts)	Antenna Type	Antenna Make	Antenna Model	Azimuth (°T)	Ground (Z) (ft)
G1	AT&T LTE	2300	160.00	Panel	Kathrein	800-10865 K	190	106.9
G2	AT&T LTE B17	700	120.00	Panel	Kathrein	800-10966 K	190	106
G2	AT&T LTE	850	120.00	Panel	Kathrein	800-10966 K	190	106
G2	AT&T LTE	1900	160.00	Panel	Kathrein	800-10966 K	190	106
G3	AT&T LTE B14	700	160.00	Panel	Kathrein	800-10966 K	190	106
G3	AT&T LTE	2100	160.00	Panel	Kathrein	800-10966 K	190	106
G4	AT&T LTE B29	700	80.00	Panel	Kathrein	800-10866 K	190	106

## FCC Regulations and Guidelines from OET 65

When considering the contributions to field strength or power density from other RF sources, care should be taken to ensure that such variables as reflection and re-radiation are considered. In cases involving very complex sites predictions of RF fields may not be possible, and a measurement survey may be necessary. The process for determining compliance for other situations can be similarly accomplished using the techniques described in this section and in Supplement A to this bulletin that deals with radio and television broadcast operations. However, as mentioned above, at very complex sites measurements may be necessary.

In the simple example shown in the below diagram, it is desired to determine the power density at a given location **X** meters from the base of a tower on which are mounted two antennas. One antenna is a CMRS antenna with several channels, and the other is an FM broadcast antenna. The system parameters that must be known are the total ERP for each antenna and the operating frequencies (to determine which MPE limits apply). The heights above ground level for each antenna, **H1** and **H2**, must be known in order to calculate the distances, **R1** and **R2**, from the antennas to the point of interest.



## Computer Simulation Analysis

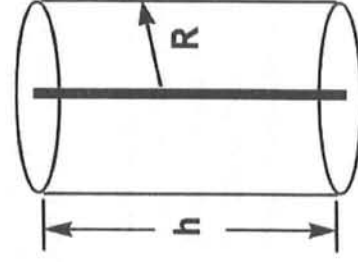
The Federal Communications Commission (FCC) governs the telecommunications services, facilities, and devices used by the public, industrial and state organizations in the United States.

"RoofView® is a software analysis tool for evaluating radiofrequency (RF) field levels at roof-top telecommunications sites produced by vertical collinear antennas of the type commonly used in the cellular, paging, PCS, ESMR and conventional two-way radio communications services."<sup>2</sup>

"RF near-field levels are computed from selected antennas by applying a cylindrical model that takes into account the antenna's aperture height, mounting height above the roof, azimuthal beam width for directional antennas and the location of the antennas on the roof. Resulting, spatially averaged power densities are expressed as a percentage of a user selectable exposure limit depending on frequency. The entire roof is composed of one-square-foot pixels and RF fields are computed for each of these pixels for each selected antenna."<sup>3</sup>

Computer simulations produced for clients are simulated with "Uptime = 100%". This means that all transmitters associated with an antenna are considered to be "on".<sup>4</sup>

RoofView® uses a near-field method of computing the field based on assuming that the total input power delivered to the antenna, at its input terminal, is distributed over an imaginary cylindrical surface surrounding the antenna. The height of the cylinder is equal to the aperture height of the antenna while the radius is simply the distance from the antenna at which the field power density is to be computed. Within the aperture of the antenna, this approximation is quite accurate but as the antenna is elevated above the region of interest, the model output must be corrected for mounting height.<sup>5</sup>



$$S = \frac{P}{2\pi Rh}$$

<sup>2</sup> Roofview User Guide 4.1.5, Page 7, Richard A. Tell Associates

<sup>3</sup> Roofview User Guide 4.1.5, Page 7, Richard A. Tell Associates

<sup>4</sup> Roofview User Guide 4.1.5, Page 10, Richard A. Tell Associates

<sup>5</sup> Roofview User Guide 4.1.5, Page 45, Richard A. Tell Associates

**Certification**

The undersigned is a Professional Engineer, holding a California Registration No. 19677

Reviewed and approved by:



John B. Bachoua, PE

Date: November 02, 2018

The engineering and design of all related structures as well as the impact of the antennas on the structural integrity of the design are specifically excluded from this report's scope of work. This report's scope of work is limited to an evaluation of the Electromagnetic Energy (EME) RF emissions field generated by the antennas listed in this report. When client and others have supplied data, it is assumed to be correct.

### FCC MPE Limits (from OET-65)

OSC Engineering uses the FCC's and clients' guidelines to model the computer simulation. Explained in detail in Office of Engineering & Technology, Bulletin No. 65 ("OET-65") "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Radiation".

**Occupational/controlled<sup>6</sup>** exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure 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 (see below), 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. As discussed later, the occupational/controlled exposure limits also apply to amateur radio operators and members of their immediate household.

**General population/uncontrolled<sup>7</sup>** exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

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<sup>6</sup> OET-65 "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields pg. 9.

<sup>7</sup> OET-65 "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields pg. 9.  
OSC Engineering Inc.



### Limits for Maximum Permissible Exposure (MPE)<sup>8</sup>

"The FCC Exposure limits are based on data showing that the human body absorbs RF energy at some frequencies more efficiently than at others. The most restrictive limits occur in the frequency range of 30-300MHz where whole-body absorption of RF energy by human beings is most efficient. At other frequencies whole-body absorption is less efficient, and, consequently, the MPE limits are less restrictive."<sup>9</sup>

#### **(A) Limits for Occupational/Controlled Exposure**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3-3.0	61.4	1.63	(100) <sup>*</sup>	6
3.0-30	18.42/f	4.89/f	(900/f <sup>2</sup> ) <sup>*</sup>	6
32-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

#### **(B) Limits for General Population /Uncontrolled Exposure**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3-1.34	61.4	1.63	(100) <sup>*</sup>	30
1.34-30	82.4/f	2.19/f	(180/f <sup>2</sup> ) <sup>*</sup>	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f= Frequency in MHz

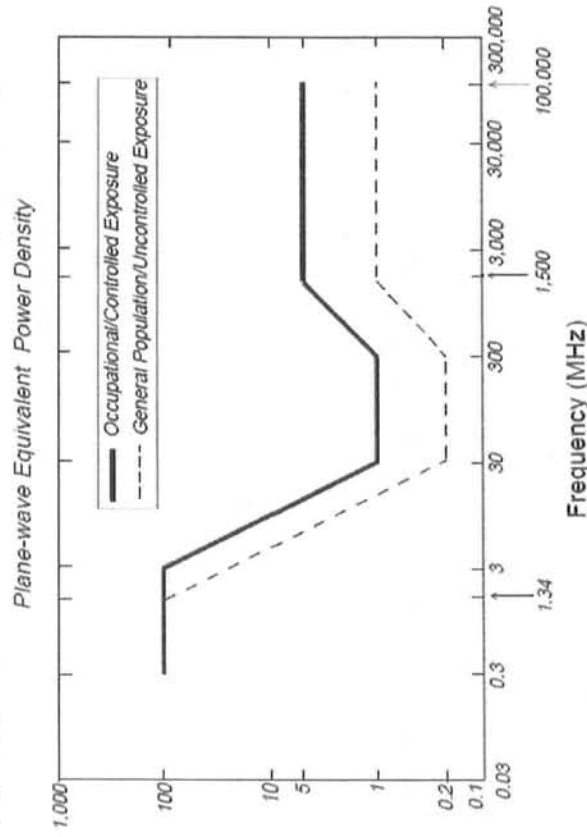
<sup>\*</sup>Plane-wave equivalent power density

<sup>8</sup> OET-65 "FCC Guidelines Table 1 pg. 72.

<sup>9</sup> OET-65 "FCC Guidelines for Evaluating Exposure to RF Emissions", pg. 8  
OSC Engineering Inc.

## Limits for Maximum Permissible Exposure (MPE) continued<sup>10</sup>

Figure 1. FCC Limits for Maximum Permissible Exposure (MPE)



"MPE Limits are defined in terms of power density (units of milliwatts per centimeter squared: mW/cm<sup>2</sup>), electric field strength (units of volts per meter: V/m) and magnetic field strength (units of amperes per meter: A/m). In the far-field of a transmitting antenna, where the electric field vector (E), the magnetic field vector (H), and the direction of propagation can be considered to be all mutually orthogonal ("plane-wave" conditions), these quantities are related by the following equation:

$$S = \frac{E^2}{3770} = 37.7H^2$$

where: S = power density (mW/cm<sup>2</sup>)  
 E = electric field strength (V/m)  
 H = magnetic field strength (A/m)

<sup>10</sup> OET-65 "FCC Guidelines Table 1 pg. 72.

## Limitations

OSC Engineering completed this evaluation analysis based on information and data provided by the client. The data provided by the client is assumed to be accurate. Estimates of the unknown, standard, and additional transmitting sites are noted and based on FCC regulation and client requirements. These are estimated to the best of our professional knowledge. This report is completed by OSC Engineering to determine whether the wireless communications facility complies with the Federal Communications Commission (FCC) Radio Frequency (RF) Safety Guidelines. The Office of Engineering and Technology (OET-65) *Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Radiation* has been prepared to provide assistance in determining whether proposed or existing transmitting facilities, operations or devices comply with limits for human exposure to radiofrequency (RF) fields adopted by the Federal Communications Commission (FCC)<sup>11</sup>. As each site is getting upgraded and changed, this report will become obsolete as this report is based on current information per the client, per the date of the report. Use of this document will not hold OSC Engineering Inc. nor it's employees liable legally or otherwise. This report shall not be used as a determination as to what is safe or unsafe on a given site. All workers or other people accessing any transmitting site should have proper EME awareness training. This includes, but is not limited to, obeying posted signage, keeping a minimum distance from antennas, watching EME awareness videos and formal classroom training.

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<sup>11</sup> OET-65 "FCC Guidelines for Evaluating Exposure to RF Emissions", pg. 1  
OSC Engineering Inc.

## **AT&T Antenna Shut-Down Protocol**

AT&T provides Lockout/Tagout (LOTO) procedures in Section 9.4<sup>12</sup> (9.4.1 - 9.4.9) in the ND-00059. These procedures are to be followed in the event of anyone who needs access at or in the vicinity of transmitting AT&T antennas. Contact AT&T when accessing the rooftop near the transmitting antennas. Below is information regarding when to contact an AT&T representative.

### **9.4.7 Maintenance work being performed near transmitting antennas**

Whenever anyone is working within close proximity to the transmitting antenna(s), the antenna sector, multiple sectors, or entire cell site may need to be shut down to ensure compliance with the applicable FCC MPE limit. This work may include but is not limited to structural repairs, painting or non-RF equipment services by AT&T personnel/contractors or the owner of a tower, water tank, rooftop, or other low-centerline sites. The particular method of energy control will depend on the scope of work (e.g., duration, impact to the antenna or transmission cabling, etc.) and potential for RF levels to exceed the FCC MPE limits for General Population/Uncontrolled environments

### **9.4.8 AT&T Employees and Contractors**

AT&T employees and contractors performing work on AT&T cell sites must be trained in RF awareness and must exercise control over their exposure to ensure compliance with the FCC MPE limit for Occupational/Controlled Environments ("Occupational MPE Limit").

The rule of staying at least 3 feet from antennas is no longer always adequate to prevent exposure above the Occupational MPE Limit. That general rule was applied early in the development of cellular when omni-directional antennas were primarily used and later when wide-beamwidth antennas were used. That application was then appropriate for the Occupational exposure category. However, the current prevalence of antennas with 60- and 70- degree horizontal half-power beamwidths at urban and suburban GSM and UMTS/HSDPA sites raises some question about the continued reliability of the 3-foot rule. Antennas with low bottom-tip heights and total input powers around 70-80 W can produce exposure levels exceeding the Occupational MPE Limits at 4 feet, and these levels can be augmented by emissions of co-located operators. Therefore, AT&T employees and contractors should apply the above general work procedures and use an RF personal monitor to assess exposure levels within the work vicinity.

### **9.4.9 Other Incidental Workers**

All other incidental workers who are not trained in RF safety are considered general public and subject to the FCC MPE limits for General Population/Uncontrolled Environments. In such instance, the M-RFSC (primary contact) or R-RFSC (secondary contact) must refer to the Mobility RF site survey plan to assess the potential RF exposure levels associated with the antenna system. If capable of exceeding the FCC General Population/Uncontrolled MPE limit, then local sector/site shutdown is necessary. The FE/FT must also follow the local shutdown procedure and use their RF personal monitor as a screening tool for verification, as necessary.

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<sup>12</sup> ND-00059\_Rev\_5.1 "Lockout/Tagout (LOTO) Procedures" Page 45.  
OSC Engineering Inc.

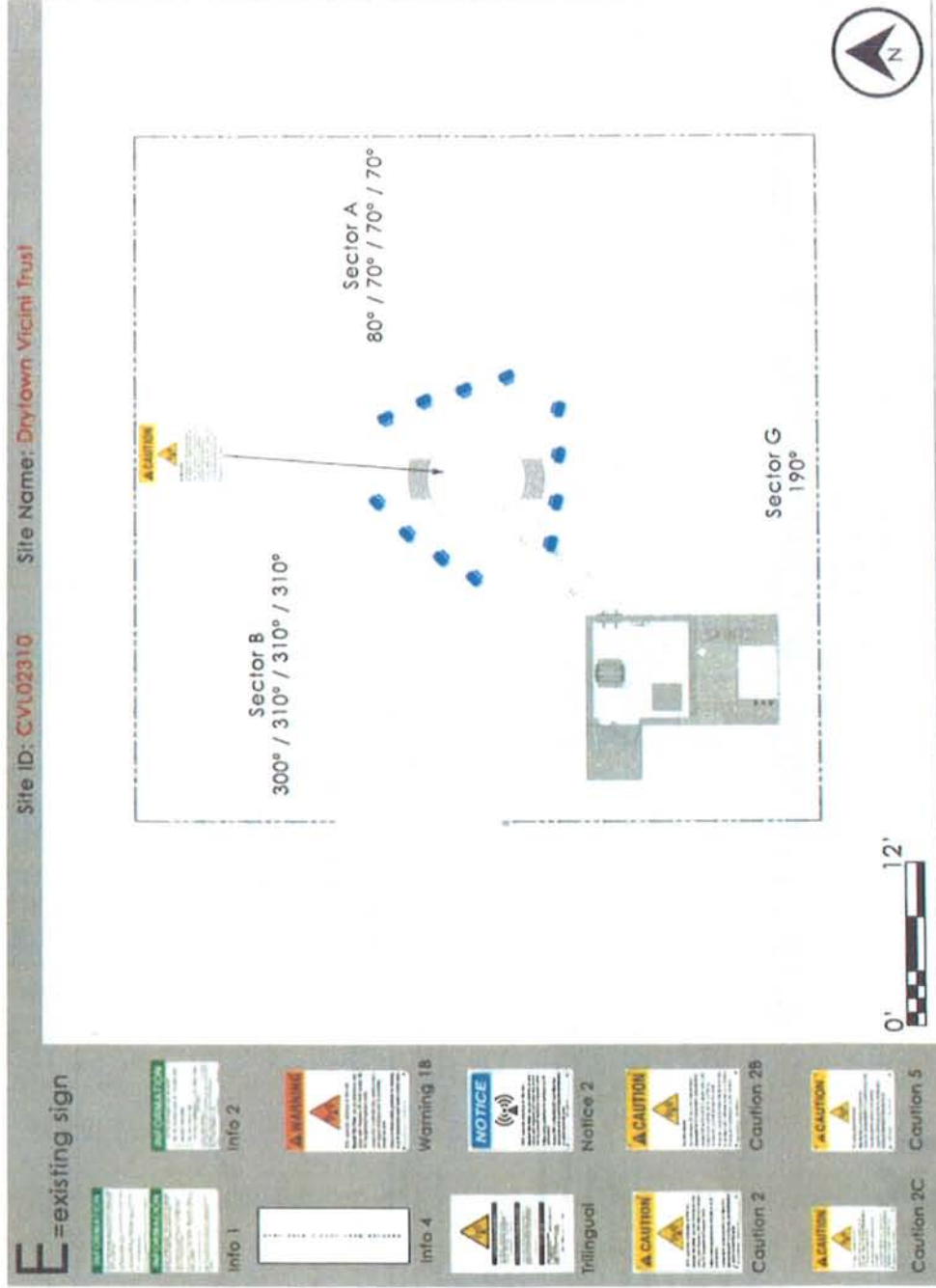
## RECOMMENDATIONS

- **AT&T Access Point(s):**  
Caution Sign 2B (Tower)  
@ base of monopole  
(to be posted)

- **AT&T Sector A**  
No signage or barrier  
action required

- **AT&T Sector B**  
No signage or barrier  
action required

- **AT&T Sector G**  
No signage or barrier  
action required



If work is being performed in the vicinity of the transmitting antennas, site shut-down procedures must be followed. See page entitled AT&T Antenna Shut-down protocol for further information.





PROJECT #17  
**DRYTOWN**  
 3902 STATE HWY 16  
 FLYMOUTH, CA 95669



**EPIC**  
 WIRELESS GROUP LLC  
 A DIVISION OF SPRINT

DATE	04/22/12
PROJECT NO.	12000000
DRAWN BY	TAG
CHECKED BY	CDL

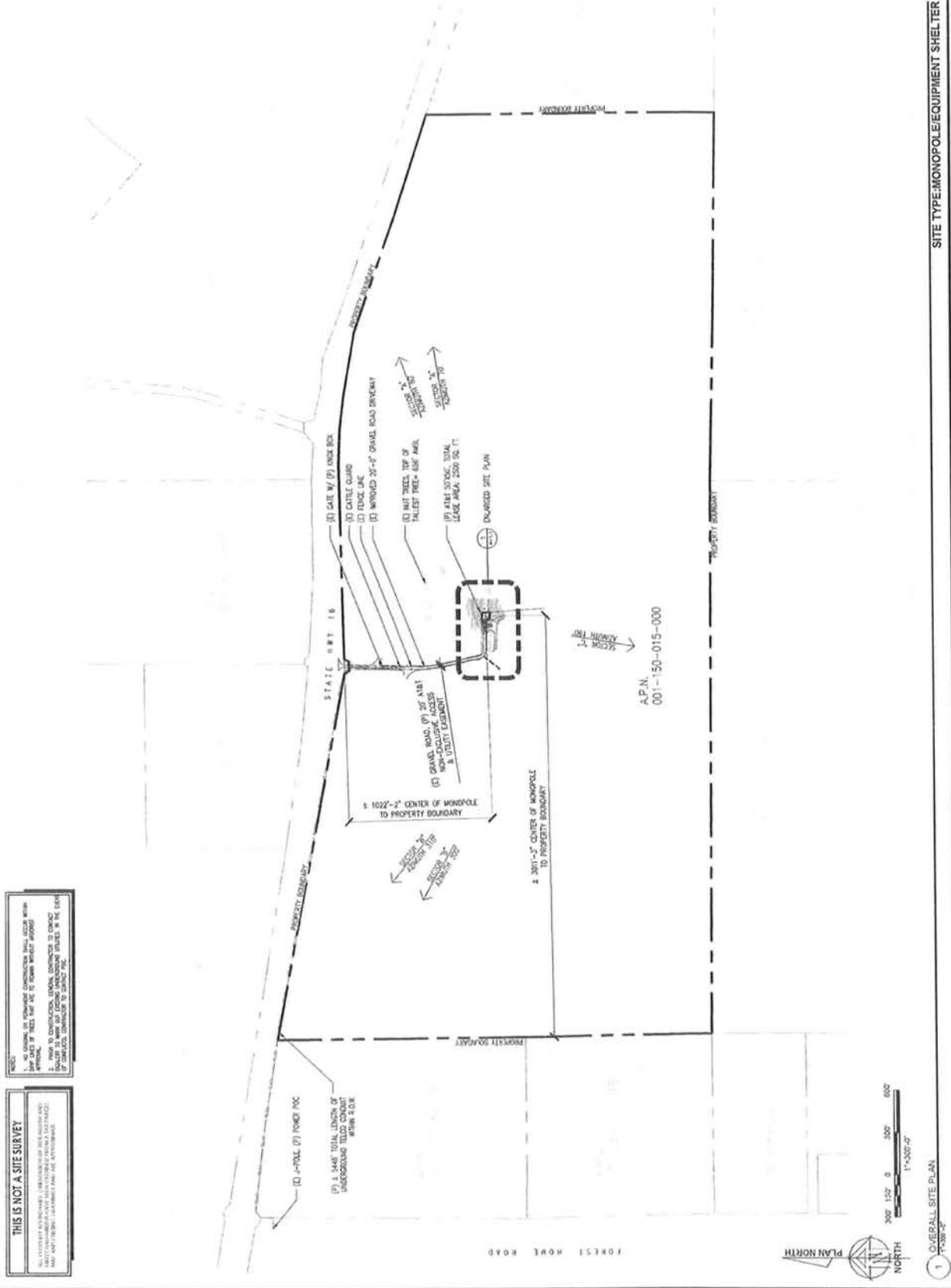
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5	04/22/12	ISSUED FOR PERMIT
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7	04/22/12	ISSUED FOR PERMIT
8	04/22/12	ISSUED FOR PERMIT
9	04/22/12	ISSUED FOR PERMIT
10	04/22/12	ISSUED FOR PERMIT



**ADAPTIVE REUSE ENGINEERING**  
 3115 LEATHA WAY  
 SACRAMENTO, CA 95821  
 916.442.3334  
 adaptive@are.com

PROJECT TITLE  
**OVERALL SITE PLAN**

PROJECT NUMBER  
**A-1**



**NOTES**

- NO GRADING OR FUNDAMENTAL CONSTRUCTION SHALL OCCUR WITHIN THE LINES OF THE TIE-INS TO THE EXISTING ROADWAY.
- WORK IN CONFORMANCE WITH ALL LOCAL ORDINANCES TO CONFORM WITH THE STATE OF CALIFORNIA AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.

**THIS IS NOT A SITE SURVEY**

ALL UTILITIES SHOWN ARE BASED ON THE RECORD AND FIELD SURVEY DATA. THE LOCATION OF UTILITIES IS NOT GUARANTEED. THE USER OF THIS PLAN SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.



1 OVERALL SITE PLAN  
 12/28/12  
 SITE TYPE: MONOPOLE/EQUIPMENT SHELTER



DRYTOWN  
3902 STATE HWY 16  
PLYMOUTH, CA 95669



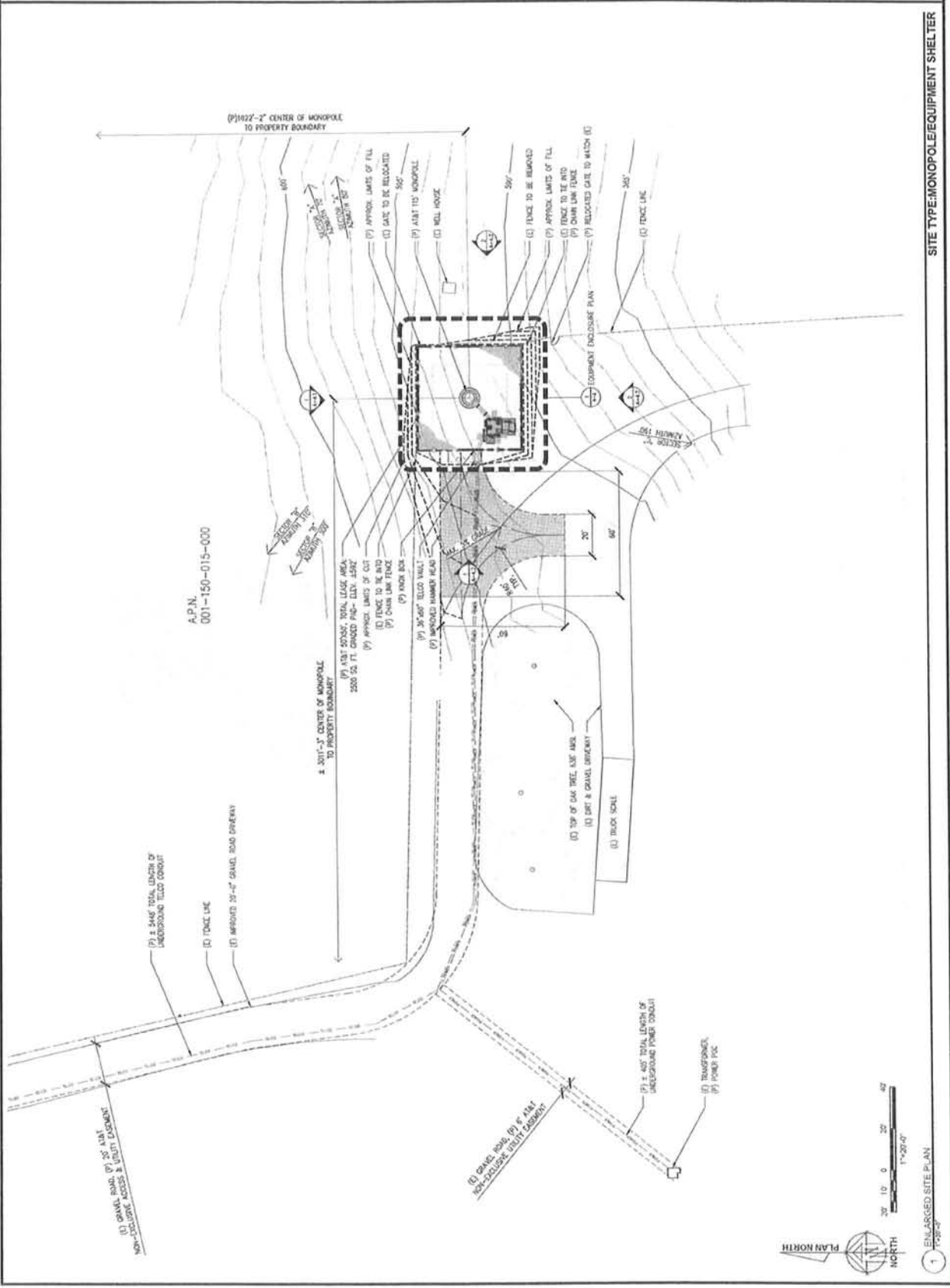
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PROJECT NAME	18W-045
DATE	04/22
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CHECKED BY	CE
SCALE	
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ADAPTIVE RE-USE ENGINEERING CONSULTANTS  
3112 LEONIA WAY  
SACRAMENTO, CA 95821  
croghan@reuseng.com

ENLARGED SITE PLAN

**A-1.1**



1 ENLARGED SITE PLAN  
4/28/07  
SITE TYPE: MONOPOLE/EQUIPMENT SHELTER

**Project Title**  
**DRYTOWN**  
 3902 STATE HWY 16  
 PLYMOUTH, CA 95669



**REWARD ICE**  
**at&t**  
 2000 Gateway Center, #1000  
 San Francisco, California 94107

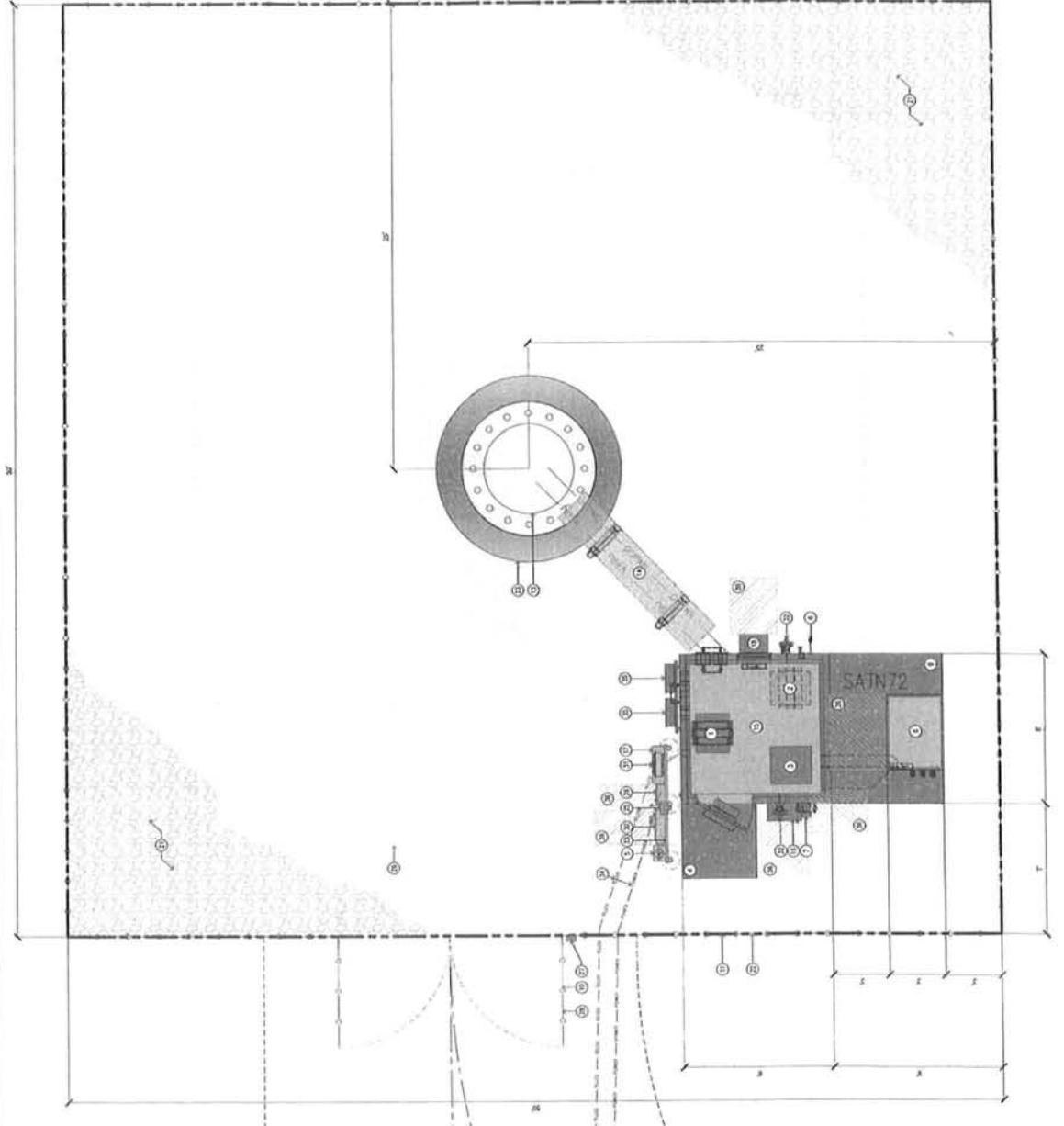
**EPIC**  
**WIRELESS GROUP LLC**  
 Licensing & Strategy Group

**DATE:** 07/17/15  
**PROJECT NO.:** 15071501  
**DESIGNED BY:** LAD  
**CHECKED BY:** GDB

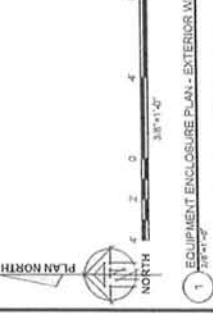


**ADAPTIVE RE-USE ENGINEERING**  
 3113 LAJOLLA WAY  
 SACRAMENTO, CA 95831  
 adaptivereuse@yahoo.com

**EQUIPMENT AREA PLAN**  
 SHEET NUMBER  
**A-2**



- KEYNOTES**
- (1) 12" DIA. TIE
  - (2) 12" DIA. TIE
  - (3) 12" DIA. TIE
  - (4) 12" DIA. TIE
  - (5) 12" DIA. TIE
  - (6) 12" DIA. TIE
  - (7) 12" DIA. TIE
  - (8) 12" DIA. TIE
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  - (11) 12" DIA. TIE
  - (12) 12" DIA. TIE
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  - (32) 12" DIA. TIE
  - (33) 12" DIA. TIE
  - (34) 12" DIA. TIE
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  - (47) 12" DIA. TIE
  - (48) 12" DIA. TIE
  - (49) 12" DIA. TIE
  - (50) 12" DIA. TIE



**1 EQUIPMENT ENCLOSURE PLAN - EXTERIOR WALK IN EQUIPMENT CABINET**  
 SHEET NUMBER  
**A-2**  
**SITE TYPE: MONOPOLE/EQUIPMENT SHELTER**

**DRYTOWN**  
3902 STATE HWY 16  
PLYMOUTH, CA 95669



**EPIC**  
WIRELESS GROUP, LLC  
COMMUNICATIONS CONSULTANTS

PROJECT NO.	011111
DATE	01/11/11
DESIGNED BY	SAJ
CHECKED BY	CEL



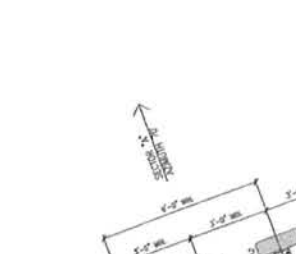
**ADAPTIVE REUSE ENGINEERING**  
CORPORATION  
2144012384  
3112 LEVANA WAY  
SACRAMENTO, CA 95821  
cra@adaptive-reuse.com

**ANTENNA PLAN & DETAILS**

**A-3**

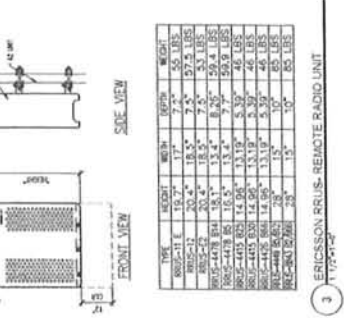
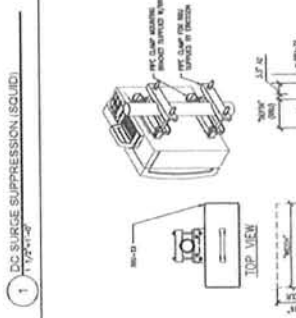
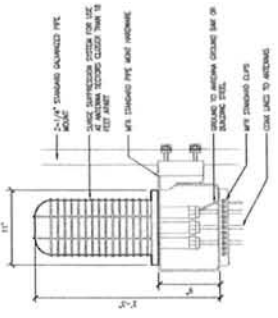
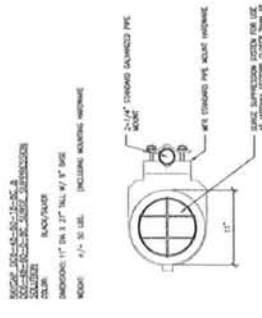
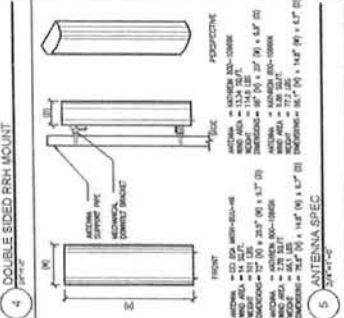
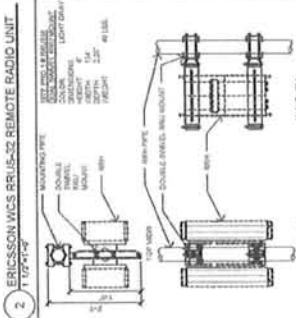
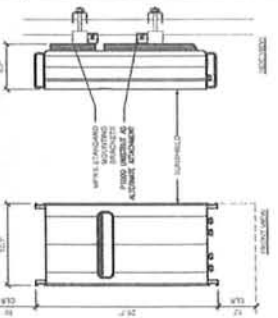
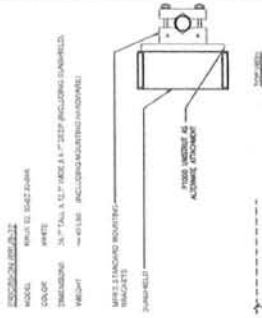
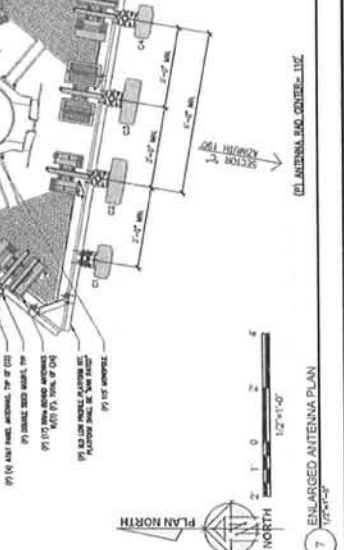
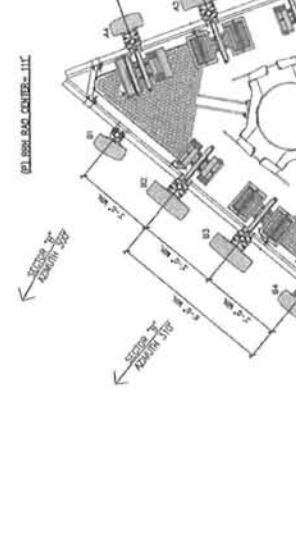
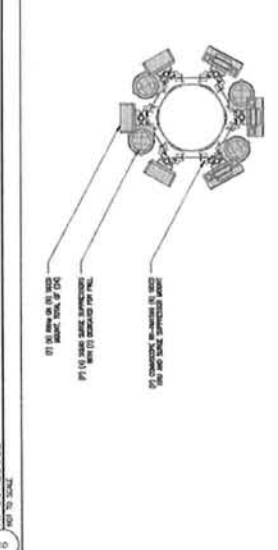
**RF SCHEDULE**

SECTION	ANTENNA MODEL NO.	TECHNOLOGY	ANTENNA HGT OVER TOP	SPACER	FEED BACK	FEED LENGTH	FEED NO.
A1	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 1
A2	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 1
A3	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 1
A4	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B1	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B2	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B3	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B4	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B5	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B6	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B7	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B8	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B9	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B10	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B11	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B12	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B13	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B14	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B15	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B16	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B17	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B18	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B19	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B20	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B21	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B22	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B23	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B24	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B25	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B26	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B27	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B28	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B29	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B30	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B31	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B32	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B33	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B34	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B35	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B36	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B37	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B38	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B39	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B40	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B41	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B42	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B43	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B44	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B45	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B46	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B47	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B48	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B49	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2
B50	123 80A	800-100666	115'-0"	N/A	8 150'	8 150'	TRUNK 2



**RF SCHEDULE**

NOT TO SCALE



**ERISSON VCS BRUS-22 REMOTE RADIO UNIT**

TYPE	HEIGHT	WEIGHT
BRUS-22	18.5"	55 LBS
BRUS-22	20.5"	57.5 LBS
BRUS-22	22.5"	60 LBS
BRUS-22	24.5"	62.5 LBS
BRUS-22	26.5"	65 LBS
BRUS-22	28.5"	67.5 LBS
BRUS-22	30.5"	70 LBS
BRUS-22	32.5"	72.5 LBS
BRUS-22	34.5"	75 LBS
BRUS-22	36.5"	77.5 LBS
BRUS-22	38.5"	80 LBS
BRUS-22	40.5"	82.5 LBS
BRUS-22	42.5"	85 LBS
BRUS-22	44.5"	87.5 LBS
BRUS-22	46.5"	90 LBS
BRUS-22	48.5"	92.5 LBS
BRUS-22	50.5"	95 LBS
BRUS-22	52.5"	97.5 LBS
BRUS-22	54.5"	100 LBS



SITE TYPE: MONOPOLE/EQUIPMENT SHELTER

ENLARGED ANTENNA PLAN  
1/2"=1'-0"

ENLARGED ANTENNA PLAN  
1/2"=1'-0"



PREPARED FOR  
**at&t**  
2020 Second Street, Suite 200  
San Carlos, California, 95070

**EPIC**  
WIRELESS GROUP, LLC  
A Division of Sprint Nextel

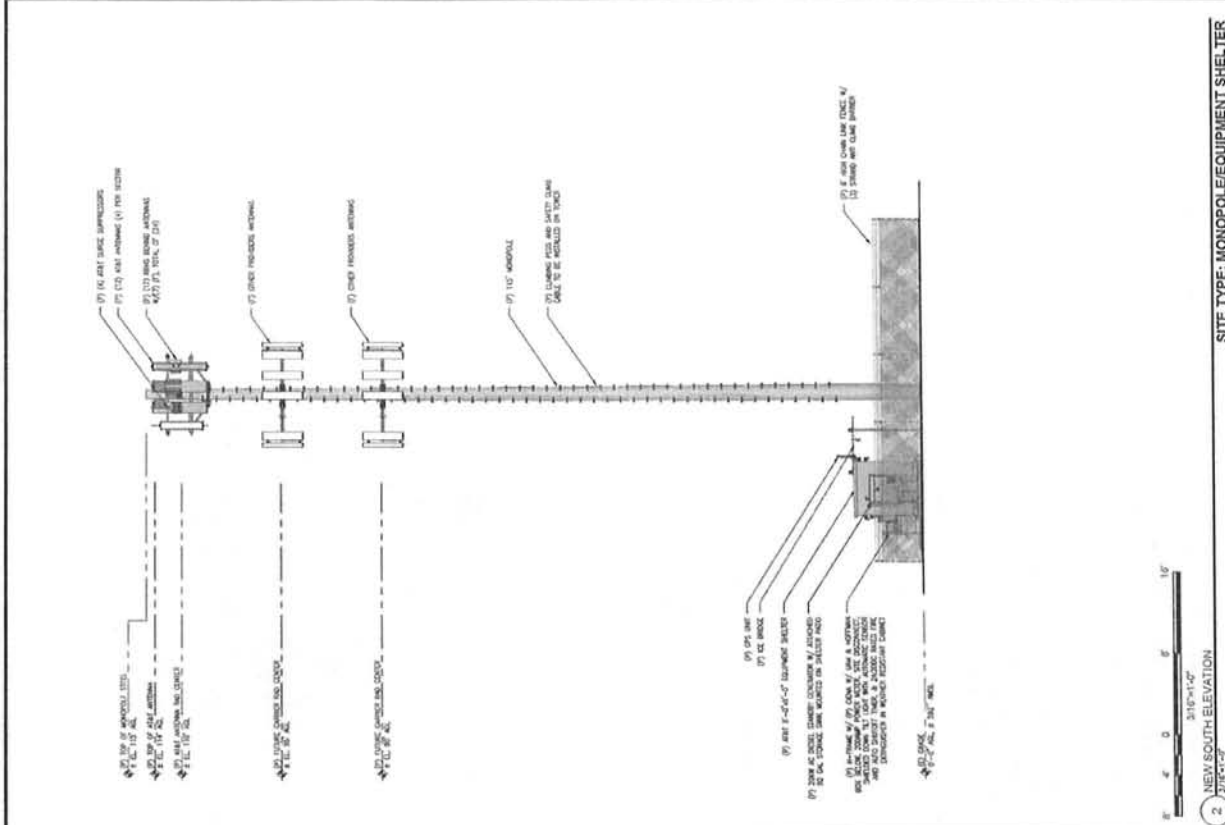
DATE	02/28/12
PROJECT	127639460
DRAWN BY	LAG
CHECKED BY	CGS



**ADAPTIVE REUSE ENGINEERING**  
Chris Nishan PE SCS 214407-S184  
3112 LINDA WAY SACRAMENTO, CA 95821  
craig@adaptive-reuse.com

SHEET #1  
**NEW MONOPOLE - NORTH & SOUTH ELEVATION**

# A-4.1



**1** NEW NORTH ELEVATION  
**2** NEW SOUTH ELEVATION

## SITE TYPE: MONOPOLE/EQUIPMENT SHELTER

**DRYTOWN**  
 3992 STATE HWY 16  
 PLYMOUTH, CA 95669



CLIENT: CH22H10
PROJECT: 1397648
SHEET NO: 640
DATE: 08/20/10

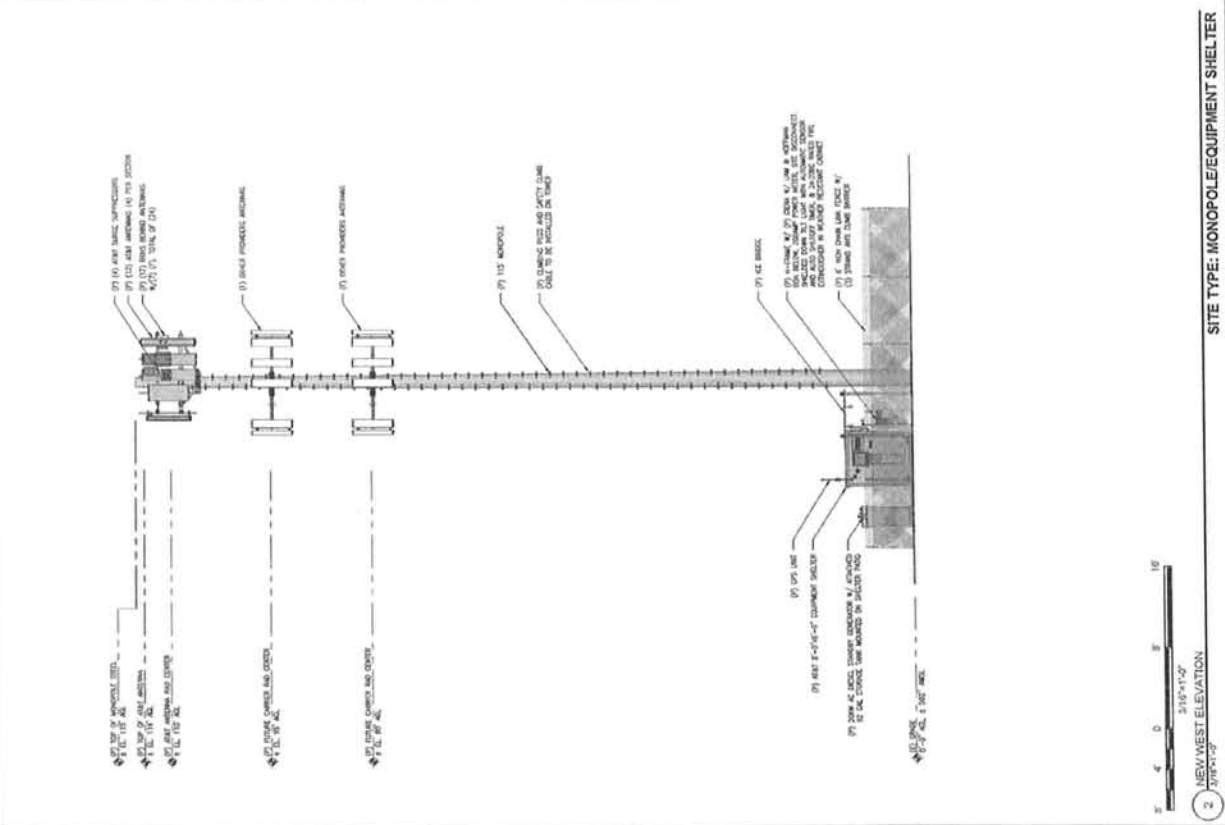
REVISIONS	
NO.	DESCRIPTION



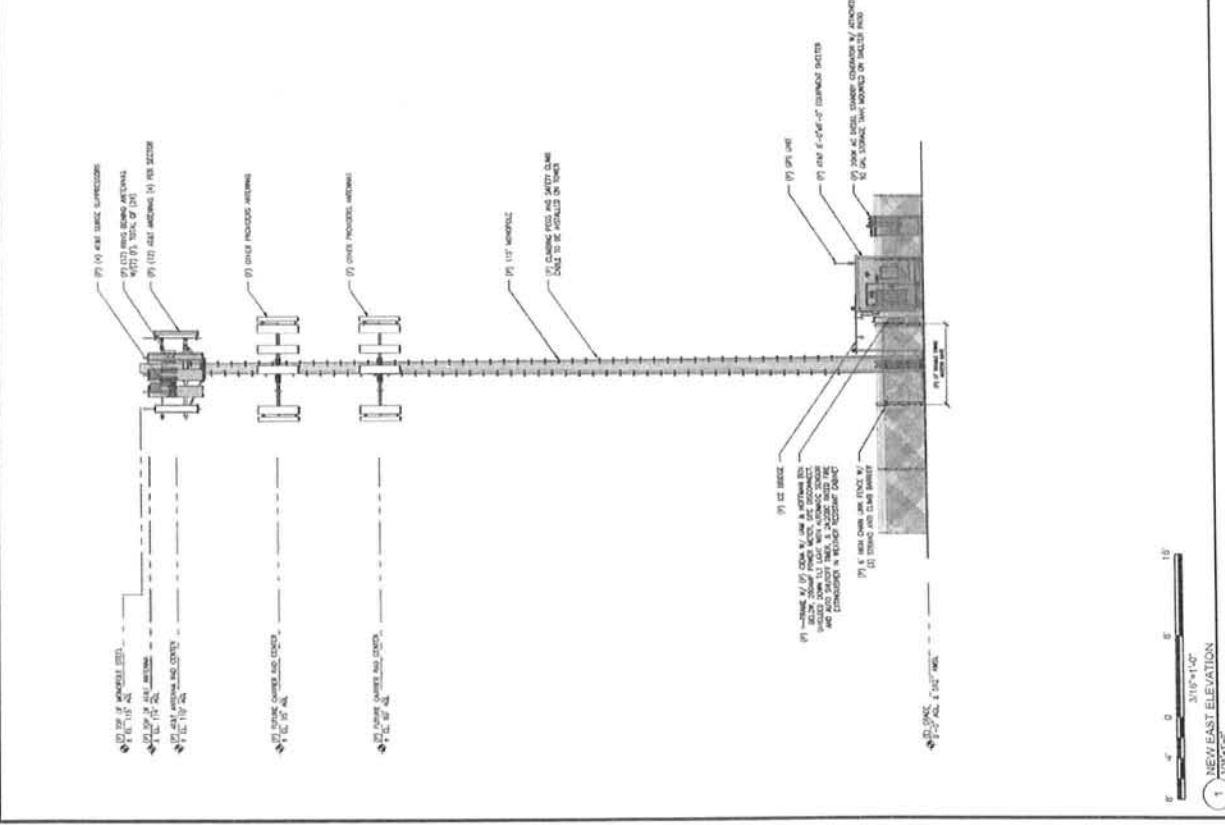
**ADAPTIVE RE-USE ENGINEERING**  
 299 HUNTER RD #204  
 SACRAMENTO, CA 95821  
 (916) 485-8888  
 www.adaptive-reuse.com

**NEW MONOPOLE - WEST & EAST ELEVATION**

**A-4.2**



Scale: 1/8" = 1'-0"  
 0 4 8 16  
 1 NEW EAST ELEVATION  
 2/20/10



Scale: 1/8" = 1'-0"  
 0 4 8 16  
 1 NEW WEST ELEVATION  
 2/20/10

SITE TYPE: MONOPOLE/EQUIPMENT SHELTER

