



**CITY OF SUNNYVALE  
REPORT  
Planning Commission**

**March 10, 2008**

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**SUBJECT:**           **2007-0721 - T-Mobile** [Applicant] **City of Sunnyvale**  
[Owner]: Application for a property located at **811  
Henderson Avenue** (near Iris Ave.) in a P-F (Public Facility)  
Zoning District. (Negative Declaration) (APN: 213-27-002)

Motion               Use Permit on a 9.1 acre site to allow six antennas on a 69-  
foot tall tree pole and ancillary ground equipment within a  
240 square foot equipment enclosure at Ponderosa Park.

**REPORT IN BRIEF**

**Existing Site**           Ponderosa Park  
**Conditions**

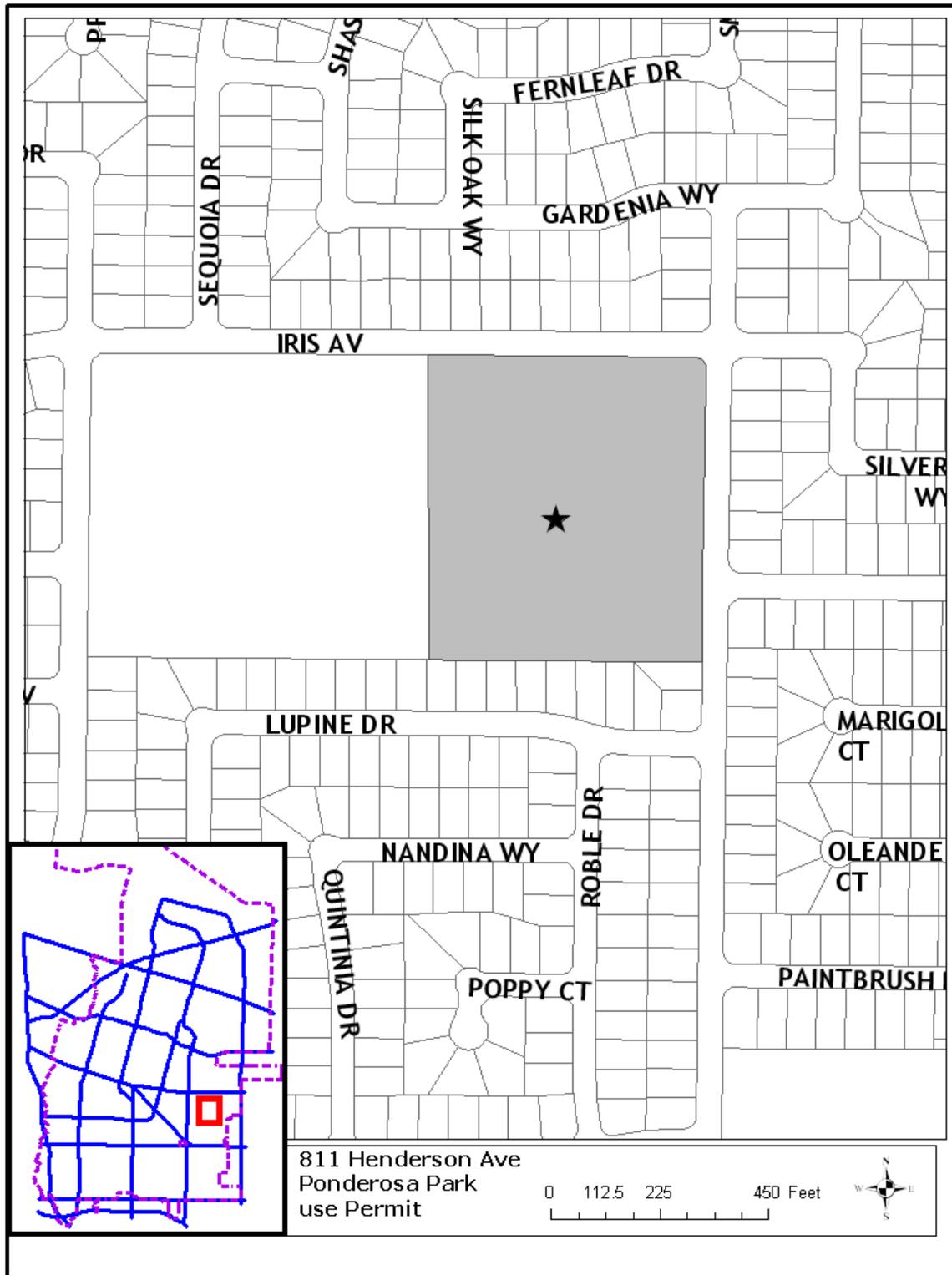
**Surrounding Land Uses**

North	Single-family residential (across Iris Avenue)
South	Single-family residential
East	Single-family residential (across Henderson Avenue)
West	Ponderosa Park Elementary School

**Issues**                   Visual Impact, Neighborhood Compatibility

**Environmental**       A Negative Declaration has been prepared in  
**Status**               compliance with California Environmental Quality  
Act provisions and City Guidelines.

**Staff**                   Approval with conditions  
**Recommendation**



**PROJECT DATA TABLE**



	<b>EXISTING</b>	<b>PROPOSED</b>	<b>REQUIRED/ PERMITTED</b>
<b>General Plan</b>	Park	Same	Park
<b>Zoning District</b>	P-F	Same	P-F
<b>Lot Size</b>	9.1 acres	Same	N/A
<b>Tree pole height (ft.)</b>	N/A	69'	65' max.
<b>Antenna Height (ft.)</b>	N/A	57'	65' max.
<b>Area of equipment enclosure (sq. ft.)</b>	Parks' equipment enclosure (existing): 180 sq. ft.	Parks' equipment enclosure (existing): 180 sq. ft. T-mobile equipment enclosure (proposed): 240 sq. ft. Total equipment enclosure area: 420 sq. ft.	No max.
<b>Height of equipment enclosure (ft.)</b>	10 ft.	10 ft.	15 ft.
<b>Setbacks</b>			
<b>Equipment enclosure to south property line (closest residential property)</b>	12 ft. approx.	12 ft.	10 ft.
<b>Equipment enclosure to Henderson Avenue</b>	400 ft. approx.	360 ft. approx.	4 ft. min./12 ft. combined
<b>Tree pole to Henderson Avenue</b>	N/A	480 ft. approx.	4 ft. min./12 ft. combined
<b>Tree pole to Iris Avenue</b>	N/A	200 ft. approx.	20 ft. min.
<b>Tree pole to closest school building</b>	N/A	220 ft. approx.	No min.
<b>Tree pole to closest residence (on Iris Avenue)</b>	N/A	260 ft. approx.	No min.

★ Starred items indicate deviations from Sunnyvale Municipal Code requirements.

## **ANALYSIS**

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### **Description of Proposed Project**

The project proposal includes the construction of a new telecommunication facility (*T-Mobile*) on a 69' tall monopine, i.e. a "faux tree pole", in Ponderosa Park and the installation of six panel antennas near the top of the pole. The proposal also includes ancillary equipment associated with the antennas to be located in a newly constructed, 240 sq. ft. equipment enclosure immediately adjacent to the existing Parks' maintenance building on the property. The project site is located at 811 Henderson Avenue.

The proposed T-Mobile monopine has a tapered design with a 36-inch trunk diameter at the base and a 24-inch trunk diameter at the top. The proposed faux tree pole utilizes a camouflage design and is an artificial pine tree, used to disguise its role as a cell phone tower.

The subject site currently has a 180 sq. ft. park maintenance building, owned by the City, near the south property line of Ponderosa Park. The applicant proposes to demolish the existing building and rebuild a 420 sq. ft. equipment enclosure at the same location. Approximately 240 sq. ft. of the newly constructed building would be used by T-Mobile to store BTS cabinets, battery packs, air conditioning units and other ancillary equipment while the remaining area would continue to be used for park maintenance purposes. The monopine is proposed to be located approximately 180 ft. from the equipment pad. The coax cables that connect the equipment cabinets to the antennas would be placed inside the new tree pole and run underground to the equipment shelter (Site and Architectural plans, Attachment G).

### **Background**

On April 11, 2007, the Parks and Recreation Commission (PRC) considered the proposed use in Ponderosa park. The PRC reviewed the proposal to determine if the use of the site by a non-park use would be consistent with the goals and policies of the Parks Department (Parks and Recreation Commission Staff Report, Attachment H). The PRC review does not constitute the Planning review for the City; that decision stays with the Planning Commission.

PRC determined that the proposal was in keeping with the goals and policies established by the Parks Department, and recommended that the Planning Commission approve the Use Permit and require that the park maintenance building be removed and replaced by the applicant to be equal to or greater in size than the existing building. PRC also recommended that the applicant agree

to co-location with other carriers as a condition of the Use Permit and the rental agreement with the City include an annual inflation factor (Parks and Recreation Commission Draft Minutes, Attachment H).

Prior to the PRC hearing, two community outreach meetings were held by the City Parks Department and the applicant. Based on information received from the Parks Department, a total of twelve neighbors were present at the outreach meetings. At each meeting, staff provided an overview of related City policies and federal laws, as well as the review process for telecommunication projects as approved by City Council on October 10, 2006 (RTC 06-306). A consensus of support was shared by neighbors in attendance who generally found the proposed monopine to be of acceptable design, and the overall project to be reasonable as it would improve cell phone coverage within the neighborhood.

**Previous Actions on the Site:** None related to the proposed project.

### **Environmental Review**

A Negative Declaration has been prepared in compliance with the California Environmental Quality Act (CEQA) provisions and City Guidelines. An initial study has determined that the proposed project would not create any significant environmental impacts (see Attachment C, Initial Study).

Issues that were discussed in the initial study included aesthetic and noise impacts on the surroundings. The visual impact of the new monopine and ancillary equipment would be minimal due to the pole being disguised as a tree that would enable it to blend in with the surroundings, and the ancillary equipment being enclosed within an equipment enclosure designed to match the existing structure. Construction related noise impacts are mitigated by allowing construction to be done only during the allowed hours of construction per Title 19 of the Sunnyvale Municipal Code.

The applicant submitted an RF exposure study that indicated that the project is in compliance with Federal Communication Commission (FCC) limits for emission standards for human exposure.

### **Use Permit**

**Detailed Description of Use:** The proposed freestanding telecommunications facility is intended to serve T-Mobile customers in the surrounding neighborhood and along main thoroughfares. Due to the increased demand for service, the facility needs to be located in this residential neighborhood (Coverage Maps, Attachment J).

The Parks Department completed a Council Study Issue in October 2006, titled "Consider Establishing Council Policies Regarding Commercial Use of Parks, Open Space and Recreation Facilities Owned or Maintained by the City." The study analyzed current City policy for commercial uses of parks and open space. Council supported the current City policy regarding commercial use of parks and recreational facilities and directed staff to continue to use current public input, review and approval processes for such uses including cellular antenna facilities. As a result, T-Mobile filed this subject application.

**Site Layout and Design:** The Ponderosa Park site is used as a park by the community and the adjacent Ponderosa Elementary School. There are several park-related facilities on the site, including three tennis courts, a walking path and a children's play structure. The proposed location of the monopine is within a grove of trees at the center of the park. Ancillary ground equipment is proposed to be located inside a newly constructed equipment enclosure that would match the existing park maintenance building in appearance (Attachment D, Site and Architectural Plans). The equipment enclosure building is proposed to be located near the south property line of the site at the same location as the existing park maintenance building.

*Tree Pole:* The proposed telecommunications facility is designed as a faux tree, or "monopine." The six antennas for T-Mobile, three arrays of two antennas each, are positioned near the top of the pole. These antennas project approximately 3' from the pole. The drip line of the faux tree extends a distance of 7' from the center of the pole. The design incorporates artificial branches that partially obscure the view of the antennas from the surrounding area. The applicant has submitted color, bark-material and tree-branch material samples for review. The width of the branches of the proposed mock tree decrease with increasing height (see Attachment C, Site and Architectural Plans).

The proposed monopine is approximately 69' in height and is setback approximately 200' from Iris Avenue and 450' from Henderson Avenue (adjoining public rights-of-way). The subject tree pole is approximately 260' from the closest residence across the street on Iris Avenue and 220' from the nearest school building on the adjacent lot. The trunk of the monopine has a tapered design with its diameter increasing from 36" at the base of the pole to 24" at the top to allow for sufficient room to contain the necessary cabling within the pole. The center of the six panel antennas as measured from the base of the pole is at a height of 57'. To ensure that the proposed tree has a realistic appearance, staff has included a condition requiring that artificial branches of different widths must be used at different elevations while still meeting the objective of screening the antennas. The final design of the monopine shall be reviewed and approved by the Director of Community Development prior to issuance of Building permits.

Section 19.54.040(p) of the Sunnyvale Municipal Code states that “freestanding facilities, including towers, lattice towers and monopoles, shall be restricted to a maximum height of sixty-five feet when located adjacent to residentially zoned properties”. Although, existing trees in the vicinity of the proposed monopine range in height from 55’ to 90’, the monopine at a height of 69 ft. exceeds the maximum height allowed by the Zoning Code. To mitigate potentially negative visual impacts, staff is recommending a condition of approval requiring that the monopine be designed to not exceed a maximum height of 65’ as measured from the adjoining grade.

*Equipment Enclosure:* As discussed previously, the applicant will demolish the existing city owned park maintenance building and construct a 420 sq. ft. equipment enclosure, 180 sq. ft. of which will be used for park maintenance purposes. The space within the equipment enclosure will be divided into two parts, one for use by the city and one by T-Mobile, with separate points of entry. The precise location and appearance of the proposed equipment enclosure is shown on submitted plans (Attachment D, Site and Architectural Plans). The proposed height of the equipment enclosure is approximately 10 ft.

The equipment enclosure would be built out of wood, with paint and texture to match the existing structure. Along the east elevation of the structure, one HVAC unit, two meters and one generator plug are proposed to be mounted on the wall, and a GPS (global positioning system) antenna is proposed to be mounted on the roof. Access into the equipment enclosure is provided through two doors facing north.

The equipment enclosure is proposed to be located at a distance of 12’ from the south property line and at a distance of 360’ from the east property line facing Henderson Avenue. The south property line of the subject site abuts the rear yards of several single family homes facing Lupine Drive. Staff recommends locating the equipment enclosure at a minimum distance of 15’ from the south property line to minimize potential noise and visual impacts. Additionally, staff recommends that the air conditioning units be located along east wall of the enclosure (facing the tennis courts) at a point farthest away from the single-family homes situated along the south property line. As a result, the total distance between the air conditioning units and the south property line would be at least 20’ or more.

**Parking/Circulation:** The proposed facility requires only periodic service at the site. Most of the service can be done remotely and does not require a visit to the site. The existing parking will not be affected as a result of this project since no parking spaces are being removed. The service technician can park in the existing parking lot during site visits.

**Landscaping:** The proposal does not involve the removal of any existing trees; small shrubs and ground cover may need to be removed prior to the installation of equipment cabinets. To provide an additional visual buffer, staff is recommending a condition of approval requiring that the equipment enclosure be surrounded with additional landscaping, including grasses and small shrubs, to soften the overall appearance of the enclosure and to partially screen it from view.

**Noise:** The construction activity associated with the installation of a new tree pole and equipment enclosure will result in noise impacts on surrounding properties. Title 16 on the Sunnyvale Municipal Code limits hours of construction for all projects to between the hours of 7 a.m. to 6 p.m. daily Monday through Friday. Saturday hours of construction shall be between 8 a.m. and 5 p.m., and construction is prohibited on Sundays and holidays. These limitations will ensure there are no significant noise impacts for surrounding residential properties; staff has included a condition of approval to limit the allowed hours of construction associated with this project.

The proposed equipment enclosure will include air-conditioning unit, a back-up generator and BTS cabinets that will be placed inside the enclosure. The generator will be used only in case of an emergency such as a power outage or earthquake. Sunnyvale Municipal Code (SMC) Section 19.42.030(a) requires that “noise or sound level shall not exceed 50 dBA during nighttime or 60 dBA during daytime hours at any point on adjacent residentially zoned property”. This standard is also applied to pool equipment and air conditioning units in residential neighborhoods.

Park Department’s staff conducted sound level measurements with portable decibel reading equipment at Braly Park on April 3 and 4, 2007. This activity was conducted for a different project also proposed within a public park (Ortega Park T-Mobile project) as follow-up to address neighbors’ concerns regarding noise levels resulting from telecommunication equipment. While four antenna carriers that exist at Braly Park are located on an existing PG&E distribution towers, one of the antenna carriers has ground equipment that is located within a small equipment/maintenance building. Therefore, this existing system is similar to the project currently being reviewed. Sound measurements that were taken five feet away from the ground equipment enclosure building at Braly Park resulted in a reading of 58 dB.

According to information provided by the applicant, the noise from the generator would not exceed 60 decibels. The applicant has proposed to place hay bales around the generator to further dampen the noise. In staff’s opinion, this does not seem like a realistic solution considering that hay bales will not be stored on site at all times. Moreover, during an emergency situation there is a possibility that employees may overlook this requirement. Staff has included

a condition requiring that back-up generators shall only be operated during periods of power outages, and shall not be tested on weekends or holidays, or between the hours of 10:00 p.m. and 7:00 a.m. on weekday nights. Staff further recommends that the generators be placed in front of the entrance to the equipment enclosure so that the building itself would act as a sound barrier.

According to specifications provided by the applicant for the proposed air-conditioning units, the noise generated by the units is estimated at 61dba at a distance for 10' from the equipment and 56dba at a distance of 20' from the equipment (see Attachment G, Air Conditioning Equipment Specifications). As proposed, the air-conditioning units are located at a distance of approximately 14' from the south property line. Staff recommends locating the equipment enclosure at a minimum distance of 15' from the south property line. Staff also recommends that the air conditioning units be located along the east wall of the enclosure (facing the tennis courts) at a point farthest away from the single-family homes situated along the south property line of Ponderosa Park. As a result, the total distance between the air conditioning units and the south property line would be at least 20' or more. Furthermore, in order to ensure that the proposed equipment meets the City's noise standard, the project shall be conditioned to require that noise measurements be taken during equipment operation prior to final building permits.

**Radio Frequency (RF) Emissions Exposure:** The FCC is the final authority on safety of telecommunications facilities. If the FCC has determined the facility to be in compliance with federal standards, the City is not permitted to make additional judgments on health and safety issues. The application can be reviewed for compliance with design and location criteria only.

The attached RF Emissions report (Attachment I) provides information about the proposed radio frequency emissions of the facility. According to the report prepared by Hammett & Edison, Inc., the proposed facility will emit 0.13% of the maximum standard permitted by the FCC at the ground level. The maximum calculated level at the second-floor elevation of any nearby residence would be 0.21% of the public exposure limit. The results indicate that the RF emissions at the facility are considered to be safe for inhabited areas.

To ensure that the facility does not exceed federal guideline emission standards, staff recommends that the applicant take readings of radio emissions at two different times: one before the facility is constructed (to take the ambient level of existing emissions), and one after the facility is constructed and operating at full capacity. These readings will be taken at locations determined by staff and submitted to the Director of Community Development in order to ensure the facility meets federal standards (Recommended Conditions of Approval, Attachment B).

**Compliance with Development Standards/Guidelines:** The project meets the criteria that free-standing telecommunications facilities not be readily visible to surrounding properties, as it will be designed as a faux tree pole to blend in with the surrounding landscape. Staff has concerns about the overall height of the proposed monopine as it exceeds the maximum height allowed by the Zoning Code. Staff has included a condition of approval requiring that the monopine not exceed a maximum height of 65' to the top of pole. The ground-mounted equipment will also be screened from view, as the cabinets will be enclosed within an equipment enclosure designed to match the existing park maintenance building.

**Expected Impact on the Surroundings:** The impacts to the surrounding residential properties, streets and school have been reduced to the fullest extent possible. Visual impacts of the pole and proposed antennas have been reduced by using a camouflage design and locating the monopine within a grove of mature trees. As previously discussed, ancillary equipment will be screened from view by locating the equipment within an enclosure designed to match the existing structure on the site. Proposed noise and radio frequency emissions will meet applicable standards and no further impact is expected.

### **Fiscal Impact**

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No fiscal impacts other than normal fees and taxes are expected.

### **Public Contact**

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*Community Meetings:* The applicant and the Parks and Recreation Department staff held two community meetings at different times on April 11, 2007 and April 3, 2007 in order to provide information to the community and to receive input on the proposal. Notification of these meetings was provided through posting fliers throughout Ponderosa Park, posting information with the Ponderosa Park Neighborhood Association and also through direct mail delivery to neighbors that live within 500 feet from the park. A total of twelve neighbors were present at the meetings. At each meeting, staff provided an overview of related City policies and federal laws, as well as the cellular project review process approved by City Council on October 10, 2006 (RTC 06-306). According to information provided by Parks and Recreation Division, a consensus of support was shared by neighbors in attendance who generally found the monopine design and the equipment enclosure design to be acceptable, and found the overall project to be reasonable as it would improve cellular services for the neighborhood (Attachment G, Parks and Recreation Commission Staff Report).

*Parks and Recreation Commission Public Hearing:* The Parks and Recreation also held a noticed public hearing on April 11, 2007 to consider the proposed

use. The PRC recommended that the Planning Commission approve the Use Permit and require that the park maintenance building be removed and replaced by the applicant to be equal to or greater in size than the existing building. The PRC also recommended that the applicant agree to co-location with other carriers as a condition of the Use Permit and the rental agreement with the City include an annual inflation factor (Parks and Recreation Commission Draft Minutes, Attachment H).

*Staff Contact:* Planning staff received a petition signed by 156 residents and parents of students attending Ponderosa Elementary School in opposition to the proposed cell phone tower at Ponderosa Park. The following concerns were expressed in the petition:

- *Health impacts of cell phone towers:* No cell phone towers should be allowed to be built within 200' of the Ponderosa Preschool and Elementary School to protect the 3 to 10 year old children that attend the school.
- *Aesthetic concerns:* The residents feel that 'fake tree' cell phone towers look stiff and ugly, are dangerous and space-consuming and would decrease property values in the surrounding neighborhood.
- *Duplication of coverage:* The residents state that T-Mobile salesmen have been selling cell phone services with 3 to 4-bar coverage in the Ponderosa Park area according to their electronic coverage plot and hence duplication of coverage is unnecessary.
- *Consider Industrial/Commercial sites for placement of cell towers:* Cell phone towers should be located in commercial and/or industrially zoned land to prevent clustering of antennas in residential areas including schools and parks.

While many of these concerns have been addressed in the staff report, the following items are in response to those issues not previously addressed:

- The FCC is the final authority on safety of telecommunications facilities. If the FCC has determined the facility to be in compliance with federal standards, the City is not permitted to make additional judgments on health and safety issues. The application can be reviewed for compliance with design, location and noise criteria only. The attached RF Emissions report (Attachment H) provides information about the proposed radio frequency emissions of the facility. The results indicate that the RF emissions at the facility are considered to be safe for inhabited areas.
- As previously discussed, the potential visual impacts have been reduced to the extent possible. The tree pole and equipment enclosure have been designed to blend in with the existing character of the park and to be compatible with the surrounding structures. Staff recommends

including a condition of approval that requires the applicant to reduce the height of the tree pole to not exceed 65’ and to ensure that all coax cables are located inside the pole. To ensure that the tree has a realistic appearance, staff has included a condition requiring that artificial branches of different widths must be used at different elevations while still meeting the objective of screening the antennas; final design of the proposed monopine shall be reviewed and approved by the Director of Community Development prior to issuance of Building permits.

- The applicant has provided existing and future coverage maps for the Ponderosa Park neighborhood indicating significant change in the level of coverage in the area as a result of the proposed telecommunication facility. The existing conditions map indicates that the area currently has poor outdoor coverage and ‘fair’ in-vehicle coverage (see T-Mobile Coverage Maps, Attachment J).
- As discussed in a previous section of the report, the Parks Department completed a Council Study Issue in October 2006, titled “Consider Establishing Council Policies Regarding Commercial Use of Parks, Open Space and Recreation Facilities Owned or Maintained by the City.” The study analyzed current City policies for commercial use of parks and open space. Council supported the current City policy regarding commercial use of parks and recreational facilities and directed staff to continue to use current public input, review and approval processes for uses including cellular antenna facilities.

<b>Notice of Negative Declaration and Public Hearing</b>	<b>Staff Report</b>	<b>Agenda</b>
<ul style="list-style-type: none"> <li>• Published in the <i>Sun</i> newspaper</li> <li>• Posted on the site</li> <li>• 131 notices mailed to the property owners and residents within 300 ft. of the project site</li> </ul>	<ul style="list-style-type: none"> <li>• Posted on the City of Sunnyvale's Website</li> <li>• Provided at the Reference Section of the City of Sunnyvale's Public Library</li> </ul>	<ul style="list-style-type: none"> <li>• Posted on the City's official notice bulletin board</li> <li>• City of Sunnyvale's Website</li> </ul>

**Conclusion**

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**Findings and General Plan Goals:** Staff was able to make the required Findings based on the justifications for the Use Permit. Findings and General Plan Goals are located in Attachment A.

**Conditions of Approval:** Conditions of Approval are located in Attachment B.

## **Alternatives**

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1. Adopt the Negative Declaration and approve the Use Permit with attached conditions.
2. Adopt the Negative Declaration and approve the Use Permit with modified conditions.
3. Adopt the Negative Declaration and deny the Use Permit.
4. Do not adopt the Negative Declaration and direct staff as to where additional environmental analysis is required.

## **Recommendation**

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Staff recommends Alternative 1.

Prepared by:

Surachita Bose  
Project Planner

Reviewed by:

Gerri Caruso  
Principal Planner

Attachments:

- A. Recommended Findings
- B. Recommended Conditions of Approval
- C. Negative Declaration
- D. Site and Architectural Plans
- E. Letter from the Applicant
- F. Photosimulations
- G. Parks and Recreation Commission Staff Report Dated April 11, 2007.
- H. Parks and Recreation Commission Meeting Draft Minutes April 11, 2007.
- I. RF Emissions Report
- J. T-Mobile Area Coverage Maps
- K. Petition Opposing the Project from residents
- L. Noise Specifications of proposed A/C unit provided by applicant

## **Recommended Findings - Use Permit**

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### **Telecommunications Policy**

Goal B: Promote universal access to telecommunications services for all Sunnyvale citizens.

Action Statement A.1.e- Support retention of local zoning authority for cellular towers, satellite dish antennas, and other telecommunications equipment, facilities and structures.

- *The zoning code requires that the location of telecommunication facilities be designed with sensitivity to the surrounding areas. The proposed telecommunications facility will be designed as a 'faux tree pole', to blend the project with the surrounding landscape and to minimize visual impacts on surrounding properties. The proposed facility will provide increased cell phone coverage for the given area of the City.*

### **Land Use and Transportation Sub-Element**

N1.3. Promote an attractive and functional commercial environment.

N1.5 Establish and monitor standards for community appearance and property maintenance.

- *The project proposal minimizes visual impacts by using a monopine design while meeting the objective of providing additional telecommunications services in the city. The location and design of the equipment enclosure and the design of the proposed monopine mitigate visual impacts in order to maintain community appearance.*

1. The proposed use attains the objectives and purposes of the General Plan of the City of Sunnyvale.

The project provides for residential access to telecommunication services while designing the facility to blend in with the character of the surrounding neighborhood. The Wireless Telecommunications Policy promotes retention of local zoning authority when reviewing telecommunications facilities. The zoning code requires that the location of telecommunication facilities be designed with sensitivity to the surrounding areas. The proposed facility is in compliance with all wireless telecommunication development standards:

- *The project meets all FCC RF emissions standards.*
- *To the extent possible, the project as conditioned has been designed to blend in with the surrounding landscape and adjoining*

*residential neighborhood. The monopine is proposed to be located within a area surrounded by mature trees to reduce its overall visual impact. Staff has conditioned the project requiring that the total height of the monopine be reduced to a maximum of 65'.*

- *The proposed ground equipment will be located inside a wooden enclosure with a paint and texture that will match the existing park maintenance building. The equipment enclosure will be surrounded by grasses and small shrubs to further soften its overall appearance.*

2. Ensure that the general appearance of proposed structures, or the uses to be made of the property to which the application refers, will not impair either the orderly development of, or the existing uses being made of, adjacent properties.

*The impacts to the surrounding residential properties, streets and school have been reduced to fullest extent possible. The proposed project meets the visual standards established by the City for telecommunication facilities as it is designed to create the least possible aesthetic impact. The RF emissions resulting from the project are substantially below the federal limits. The project has been conditioned to limit the amount of noise generated by the air conditioning units and generators to be well below the maximum permissible limits allowed by the City's noise ordinance.*

**Recommended Conditions of Approval - Use Permit**

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In addition to complying with all applicable City, County, State and Federal Statutes, Codes, Ordinances, Resolutions and Regulations, Permittee expressly accepts and agrees to comply with the following conditions of approval of this Permit:

Unless otherwise noted, all conditions shall be subject to the review of approval of the Director of Community Development.

**1. GENERAL CONDITIONS**

- A. Any major site and architectural plan modifications shall be treated as an amendment of the original approval and shall be subject to approval at a public hearing except that minor changes of the approved plans may be approved at staff level by the Director of Community Development.
- B. The Conditions of Approval shall be reproduced on a page of the plans submitted for a Building permit for this project.
- C. The Use Permit for the use shall expire if the use is discontinued for a period of one year or more.
- D. The Use Permit shall be null and void two years from the date of approval by the final review authority at a public hearing if the approval is not exercised, unless a written request for an extension is received prior to expiration date.
- E. Every owner or operator of a wireless telecommunications facility shall renew the facility permit at least every five (5) years from the date of initial approval.
- F. Each facility must comply with any and all applicable regulations and standards promulgated or imposed by any state or federal agency, including but not limited to, the Federal Communications Commission and Federal Aviation Agency.
- G. Certification must be provided that the proposed facility will at all times comply with all applicable health requirements and standards pertaining to RF emissions.
- H. The applicant shall submit to the Director of Community Development at least two reports of field measurements of Radio Frequency Emissions showing: 1.) The ambient level of RF emissions before construction of the facility, and 2.) the actual level of emissions after the facility is in place and operating at or near full capacity. The measurements shall be taken at locations specified by the Director of Community Development.

- I. The owner or operator of any facility shall submit and maintain current at all times basic contact and site information on a form to be supplied by the city. Applicant shall notify city of any changes to the information submitted within thirty (30) days of any change, including change of the name or legal status of the owner or operator. This information shall include, but is not limited to the following:
  - a) Identity, including name, address and telephone number, and legal status of the owner of the facility including official identification numbers and FCC certification, and if different from the owner, the identity and legal status of the person or entity responsible for operating the facility.
  - b) Name, address and telephone number of a local contact person for emergencies.
  - c) Type of service provided.
- J. The owner or operator shall maintain, at all times, a sign mounted on the chain link equipment enclosure showing the operator name, site number and emergency contact telephone number.
- K. The owner or operator of any facility shall obtain and maintain current at all times a business license as issued by the City.
- L. All facilities and related equipment, including lighting, fences, shields, cabinets, and tree poles, shall be maintained in good repair, free from trash, debris, litter and graffiti and other forms of vandalism, and any damage from any cause shall be repaired as soon as reasonably possible so as to minimize occurrences of dangerous conditions or visual blight. Graffiti shall be removed from any facility or equipment as soon as practicable, and in no instance more than forty-eight (48) hours from the time of notification by the city.
- M. Each owner or operator of a facility shall routinely and regularly inspect each site to ensure compliance with the standards set forth in the Telecommunications Ordinance.
- N. The wireless telecommunication facility provider shall defend, indemnify, and hold harmless the city or any of its boards, commissions, agents, officers, and employees from any claim, action or proceeding against the city, its boards, commission, agents, officers, or employees to attack, set aside, void, or annul, the approval of the project when such claim or action is brought within the time period provided for in applicable state and/or local statutes. The city shall promptly notify the provider(s) of any such claim, action or proceeding. The city shall have the option of coordinating in the defense. Nothing contained in this stipulation shall prohibit the city from participating in a defense of any claim, action, or proceeding if

the city bears its own attorney's fees and costs, and the city defends the action in good faith.

- O. Facility lessors shall be strictly liable for any and all sudden and accidental pollution and gradual pollution resulting from their use within the city. This liability shall include cleanup, intentional injury or damage to persons or property. Additionally, lessors shall be responsible for any sanctions, fines, or other monetary costs imposed as a result of the release of pollutants from their operations. Pollutants mean any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals, electromagnetic waves and waste. Waste includes materials to be recycled, reconditioned or reclaimed.
- P. Wireless telecommunication facility operators shall be strictly liable for interference caused by their facilities with city communication systems. The operator shall be responsible for all labor and equipment costs for determining the source of the interference, all costs associated with eliminating the interference, (including but not limited to filtering, installing cavities, installing directional antennas, powering down systems, and engineering analysis), and all costs arising from third party claims against the city attributable to the interference.
- Q. No wireless telecommunication facility shall be sited or operated in such a manner that is poses, either by itself or in combination with other such facilities, a potential threat to public health. To that end no facility or combination of faculties shall produce at any time power densities in any inhabited area that exceed the FCC's Maximum Permissible Exposure (MPE) limits for electric and magnetic field strength and power density for transmitters or any more restrictive standard subsequently adopted or promulgated by the city, county, the state of California, or the federal government.
- R. Each facility shall be operated in such a manner so as to minimize any possible disruption caused by noise. At no time shall equipment noise from any source exceed an exterior noise level of 60 dB during daytime hours or 50 dB during nighttime hours as measured at the property line. Backup generators shall be allowed only during emergencies, and shall not be tested on weekends or holidays, or between the hours of 10:00 p.m. and 7:00 a.m. on weekday nights.
- S. Back up generators shall be located in front of the doors of the equipment enclosure (north face of the structure) to reduce noise impacts on single family homes located nearby.

**2. LANDSCAPING**

- A. No tree removal permit shall be approved where the reason for removal is interference with the telecommunications site.
- B. The Landscape and irrigation plans shall be submitted to the Director of Community Development subject to approval by the Director of Community Development prior to issuance of a Building Permit.
- C. Landscaping and irrigation shall be installed prior to occupancy.
- D. Additional vegetation, including shrubs and ground cover, must be planted around the chain link fence that encloses the equipment area
- E. All landscaping shall be installed in accordance with the approved landscape plan and shall thereafter be maintained in a neat, clean, and healthful condition.
- F. Additional landscaping, including grasses and small shrubs, shall be planted around the entire periphery of the proposed equipment enclosure building.

**3. DESIGN**

- A. Artificial branches of different widths must be used at different elevations to give the tree a more realistic appearance while still meeting the objective of screening the antennas. Final design shall be reviewed and approved by the Director of Community Development prior to issuance of Building permits.
- B. The total of the monopine shall not exceed a maximum of 65 feet, as measured to the top of the tree.
- C. The equipment enclosure shall be located at a minimum distance of 15 feet from the south property line unless other noise attenuation measures are deemed appropriate.
- D. The air conditioning units shall be located along east wall of the enclosure (facing the tennis courts) at a point farthest away from the single-family homes situated along the south property line of Ponderosa Park.
- E. The City-owned equipment area shall be atleast 180 sq. ft. in size. The paint and texture of the proposed equipment enclosure shall be designed to match the existing park maintenance building. Final design shall be reviewed and approved by the Director of Community Development prior to issuance of Building permits.

**4. LIGHTING**

- A. Lights shall have shields to prevent glare onto residential properties.

**5. SIGNS**

- A. All new signs shall be in conformance with Sunnyvale Municipal Code.



PLANNING DIVISION  
CITY OF SUNNYVALE  
P.O. BOX 3707  
SUNNYVALE, CALIFORNIA 94088-3707

**NOTICE OF INTENT TO ADOPT  
NEGATIVE DECLARATION**

This form is provided as a notification of an intent to adopt a Negative Declaration which has been prepared in compliance with the provisions of the California Environmental Quality Act of 1970, as amended, and Resolution #193-86.

**PROJECT TITLE:**

Application for a Use Permit by T-Mobile.

**PROJECT DESCRIPTION AND LOCATION (APN):**

2007-0721 - T-Mobile [Applicant] City of Sunnyvale [Owner]: Application for a Use Permit on a 9.1 acre site to allow six antennas on a 69-foot-tall tree pole and ancillary ground equipment within a 240 square foot equipment enclosure at Ponderosa Park. The property is located at 811 Henderson Avenue (near Iris Ave.) in a P-F (Public Facility) Zoning District. (APN: 213-27-002) SB

**WHERE TO VIEW THIS DOCUMENT:**

The Negative Declaration, its supporting documentation and details relating to the project are on file and available for review and comment in the Office of the Secretary of the Planning Commission, City Hall, 456 West Olive Avenue, Sunnyvale.

This Negative Declaration may be protested in writing by any person prior to 5:00 p.m. on Monday, March 10, 2008. Protest shall be filed in the Department of Community Development, 456 W. Olive Avenue, Sunnyvale and shall include a written statement specifying anticipated environmental effects which may be significant. A protest of a Negative Declaration will be considered by the adopting authority, whose action on the protest may be appealed.

**HEARING INFORMATION:**

A public hearing on the project is scheduled for:

Monday, March 10, 2008 at 8:00 p.m. in the Council Chambers, City Hall, 456 West Olive Avenue, Sunnyvale.

**TOXIC SITE INFORMATION:**

(No) listed toxic sites are present at the project location.

Circulated On February 14, 2008

Signed: \_\_\_\_\_

  
Andrew Miner, Principal Planner

## Environmental Checklist Form

Project Number: 2007-0721  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

EP-14581

Project Title	Application for a Use Permit
Lead Agency Name and Address	City of Sunnyvale PO Box 3707 Sunnyvale, CA 94088-3707
Contact Person	Surachita Bose
Phone Number	408-730-7443
Project Location	811 Henderson Avenue
Project Sponsor's Name	Sandra Steele, T-Mobile
Address	1855 Gateway Boulevard, Suite 900 Concord, Ca -94520
Zoning	P-F (Public Facility)
General Plan	Parks
Other Public Agencies whose approval is required	None

**Description of the Project:** The applicant proposes to construct a new 69-foot tall tree pole with six, four and half-foot high panel antennas, attached at a height of 57 feet, in the vicinity of the tennis courts at Ponderosa Park. The tree will be designed to be co-locatable for a future carrier. The Ponderosa Park site is located at 811 Henderson Avenue. The proposal also includes ancillary equipment associated with the antennas to be located in a newly constructed 240 square-foot equipment shelter building adjacent to the existing City owned tool shed at the park. The applicant has submitted a radio frequency emissions report indicating compliance with FCC standards. The applicant will be required to obtain a building permit subsequent to planning approval of the project.

**Surrounding Uses and Setting:** The project is proposed to be located at the Ponderosa Park site. Ponderosa Park Elementary School and single family homes are located directly east of the project site. In addition, single-family homes are located to the north, south and west of the subject property.

E-114581

EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g. the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g. the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g. the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g. the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
3. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
4. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
5. "Negative Declaration: Potentially Significant Unless Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section 17, "Earlier Analysis," may be cross-referenced).
6. Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063 (c) (3) (d). In this case, a brief discussion should identify the following:
7. Earlier Analysis Used. Identify and state where they are available for review.
8. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
9. Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project
10. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

cc.

E-14587

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Aesthetics             | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Public Services                    |
| <input type="checkbox"/> Agricultural Resources | <input type="checkbox"/> Hydrology/Water Quality       | <input type="checkbox"/> Recreation                         |
| <input type="checkbox"/> Air Quality            | <input type="checkbox"/> Land Use/Planning             | <input type="checkbox"/> Transportation/Traffic             |
| <input type="checkbox"/> Biological Resources   | <input type="checkbox"/> Mineral Resources             | <input type="checkbox"/> Utilities/Service Systems          |
| <input type="checkbox"/> Cultural Resources     | <input type="checkbox"/> Noise                         | <input type="checkbox"/> Mandatory Findings of Significance |
| <input type="checkbox"/> Geology/Soils          | <input type="checkbox"/> Population/Housing            |   |

**DETERMINATION: (To be completed by the Lead Agency)**

On the basis of this initial evaluation:

I find that the proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.

I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.

I find that the proposed project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.

I find that the proposed project **MAY** have a "potential significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.

I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed in an earlier EIR or **NEGATIVE DECLARATION** pursuant to applicable standards and (b) have been avoided or mitigated pursuant to that earlier EIR or **NEGATIVE DECLARATION**, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



Surachita Bose

Printed Name

February 12, 2008

Date

City of Sunnyvale

For (Lead Agency)

Environmental Checklist Form

Project Number: 2007-0721  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
<b>1. AESTHETICS. Would the project:</b>					
a. Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94
b. Substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Disc.
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94
<b>2. AIR QUALITY: Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</b>					
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3, 94, 100, 111
b. Violate any air quality standard or contribute substantially to an existing or projected air quality violation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3, 94, 100, 111
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3, 96, 97, 100, 111
d. Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	62, 63, 111, 112
e. Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	111, 112
<b>3. BIOLOGICAL RESOURCES:</b>					
a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U. S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94, 111, 112, 109

Environmental Checklist Form

Project Number: 2007-0221 of 17  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
b. Have a substantially adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94, 111, 112, 109
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94, 111, 112, 109
d. Interfere substantially with the movement of any resident or migratory fish or wildlife species or with established native resident migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94, 111, 112, 109
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94, 111, 112, 109
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	41, 94, 111, 112
<b>4. CULTURAL RESOURCES. Would the project:</b>					
a. Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10, 42, 60, 61, 94, 111
b. Cause a substantial adverse change in the significance of an archaeological resources pursuant to Section 15064.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10, 42, 94
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10, 42, 94, 111
d. Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 111, 112
<b>5. LAND USE AND PLANNING. Would the project:</b>					
a. Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 12, 21, 28

Environmental Checklist Form

Project Number: 2007-0721  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
b. Conflict with an applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 12, 28
c. Conflict with any applicable habitat conservation plan or natural communities conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 41, 94, 111
<b>6. MINERAL RESOURCES. Would the project:</b>					
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94
<b>7. NOISE. Would the project result in:</b>					
a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Disc.
b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 16, 26, 94, 111, 112
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 16, 26, 94, 111, 112
d. A substantially temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 16, 26, 94, 111, 112
<b>8. POPULATION AND HOUSING. Would the project:</b>					
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 94

Environmental Checklist Form

Project Number: 2007-0723  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 111, 112
c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 11, 111, 112
<b>9. PUBLIC SERVICES.</b> Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:					
a. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 111, 112
b. Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	26, 65, 66, 103, 104
c. Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	26, 65, 66, 103, 104
d. Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 111, 112
e. Other services?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 111, 112
<b>10. MANDATORY FINDINGS OF SIGNIFICANCE</b>					
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 10, 26, 42, 59, 60, 61, 111, 112

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of the past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1, 2, 111, 112
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	111, 112
<b>11. GEOLOGY AND SOILS.</b> Would the project:					
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving:					
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UBC, UPC, UMC, NEC
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	.
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	.
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	.
b. Result in substantial soil erosion or the loss of topsoil?					.
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	.

Environmental Checklist Form

Project Number: 2007-0721  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
d. Be located on expansive soil, as defined in Table 18-a-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	.
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	.
<b>12. UTILITIES AND SERVICE SYSTEMS. Would the project:</b>					
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 20, 24, 87, 88, 89, 90, 111, 112
b. Require or result in construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 20, 24, 25, 87, 88, 89, 111, 112
c. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 20, 24, 25, 87, 88, 89, 111, 112
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 20, 24, 25, 87, 88, 89, 111, 112
e. Result in a determination by the wastewater treatment provider which services or may serve the project determined that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 20, 24, 25, 87, 88, 89, 111, 112
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 22, 90, 111, 112
g. Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 22, 90, 111, 112

Environmental Checklist Form

Project Number: 2007-0721  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

Page 11 of 17

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
<b>13. TRANSPORTATION/TRAFFIC.</b> Would the project:					
a. Cause an increase in the traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 12, 75-77, 111, 112
b. Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 12, 71, 75-77, 80, 84, 111, 112
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 111, 112, 113
d. Substantially increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g. farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 12, 71, 75-77, 80, 84, 111, 112
e. Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	76
f. Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	37
g. Conflict with adopted policies or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 12, 81, 111, 112
<b>14. HAZARDS AND HAZARDOUS MATERIALS.</b> Would the project?					
a. Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UFC, UBC, SVMC
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UFC, UBC, SVMC
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UFC, UBC, SVMC

Environmental Checklist Form

Project Number: 2007-0721  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UFC, UBC, SVMC
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UFC, UBC, SVMC
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UFC, UBC, SVMC
g. Impair implementation of, or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UFC, UBC, SVMC
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UFC, UBC, SVMC
<b>15. RECREATION</b>					
a. Would the project increase the use of existing neighborhood or regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 18, 111, 112
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 18, 111, 112
<b>16. AGRICULTURE RESOURCES:</b> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:					

Environmental Checklist Form

Project Number: 2007-0721  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
a. Convert Prime Farmland, Unique Farmland or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	94
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	94
c. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	94
<b>17. HYDROLOGY AND WATER QUALITY. Would the project:</b>					
a. Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112
b. Substantially degrade groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or surface runoff in a manner which would result in flooding on- or off site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112
e. Create or contribute runoff which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112

Environmental Checklist Form

Project Number: 2007-0721  
 Project Address: 811 Henderson Avenue  
 Applicant: T-Mobile

E-14581

	Potentially Significant Impact	Less than Sig. With Mitigation	Less Than Significant	No Impact	Source
f. Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112
g. Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112
h. Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2, 24, 25, 111, 112

**Discussion of Impacts:**

**1.c. Aesthetics:** The project will be visible from surrounding properties. To reduce the overall visual impact of the new pole and antennas, the pole will be designed as a 'fake tree' pole and will be located close to a cluster of existing trees. All co-axial cables connecting the equipment cabinets to the antennas will be located underground. Furthermore, the equipment cabinets will be located within a new equipment enclosure adjacent to the existing tool shed and will therefore be hidden from view.

**7.a. Noise:** The construction activity associated with the installation of a new tree pole and equipment enclosure has noise impacts on surrounding properties. Title 16 on the Sunnyvale Municipal Code limits hours of construction for all projects to between the hours of 7 a.m. to 6 p.m. daily Monday through Friday. Saturday hours of construction shall be between 8 a.m. and 5 p.m., and construction is prohibited on Sundays and holidays. These limitations will ensure there are no significant noise impacts for surrounding residential properties; therefore no additional mitigation measures are necessary.

The proposed equipment enclosure will include air-conditioning units and a back-up generator in addition to the BTS cabinets. The generator will be used only in case of an emergency such as a power outage or earthquake. According to information provided by the applicant, the noise from the generator would not exceed 58 decibels. Sunnyvale Municipal Code (SMC) Section 19.42.030(a) requires that "noise or sound level shall not exceed fifty dBA during nighttime or sixty dBA during daytime hours at any point on adjacent residentially zoned property". This standard is also applied to pool equipment and air conditioning units in residential neighborhoods.

In order to ensure that the proposed equipment meets this standard, the project shall be conditioned to require that noise measurements be taken during equipment operation prior to final building permits. In addition, the project will be conditioned to restrict the use of backup

E-14581

*Environmental Checklist Form*

Project Number: 2007-0721  
Project Address: 811 Henderson Avenue  
Applicant: T-Mobile

generators only during emergencies, and to not allow equipment testing on weekends or holidays, or between the hours of 10:00 p.m. and 7:00 a.m. on weekday nights.

**RF Emissions:** The facility is subject to Federal Communication Commission (FCC) limits of emission standards for human exposure. The applicant has submitted a RF (radio frequency) exposure study, conducted by Hammett & Edison, Inc., indicating compliance with these Federal requirements.

Surachita Bose

2/12/2008

Completed By

Date

E-14581

City of Sunnyvale General Plan:

- 2. Map
- 3. Air Quality Sub-Element
- 4. Community Design Sub-Element
- 5. Community Participation Sub-Element
- 6. Cultural Arts Sub-Element
- 7. Executive Summary
- 8. Fire Services Sub-Element
- 9. Fiscal Sub-Element
- 10. Heritage Preservation Sub-Element
- 11. Housing & Community Revitalization Sub-Element
- 12. Land Use & Transportation Sub-Element
- 13. Law Enforcement Sub-Element
- 14. Legislative Management Sub-Element
- 15. Library Sub-Element
- 16. Noise Sub-Element
- 17. Open Space Sub-Element
- 18. Recreation Sub-Element
- 19. Safety & Seismic Safety Sub-Element
- 20. Sanitary Sewer System Sub-Element
- 21. Socio-Economic Sub-Element
- 22. Solid Waste Management Sub-Element
- 23. Support Services Sub-Element
- 24. Surface Run-off Sub-Element
- 25. Water Resources Sub-Element
- 26. City of Sunnyvale Municipal Code:
- 27. Chapter 10
- 28. Zoning Map
- 29. Chapter 19.42. Operating Standards
- 30. Chapter 19.28. Downtown Specific Plan District
- 31. Chapter 19.18. Residential Zoning Districts
- 32. Chapter 19.20. Commercial Zoning Districts
- 33. Chapter 19.22. Industrial Zoning Districts
- 34. Chapter 19.24. Office Zoning Districts
- 35. Chapter 19.26. Combining Zoning Districts
- 36. Chapter 19.28. Downtown Specific Plan
- 37. Chapter 19.46. Off-Street Parking & Loading
- 38. Chapter 19.56. Solar Access
- 39. Chapter 19.66. Affordable Housing
- 40. Chapter 19.72. Conversion of Mobile Home Parks to Other Uses
- 41. Chapter 19.94. Tree Preservation
- 42. Chapter 19.96. Heritage Preservation
- Specific Plans
- 43. El Camino Real Precise Plan
- 44. Lockheed Site Master Use Permit
- 45. Moffett Field Comprehensive Use Plan
- 46. 101 & Lawrence Site Specific Plan
- 47. Southern Pacific Corridor Plan

Environmental Impact Reports

- 48. Futures Study Environmental Impact Report
- 49. Lockheed Site Master Use Permit Environmental Impact Report
- 50. Tasman Corridor LRT Environmental Impact Study (supplemental)
- 51. Kaiser Permanente Medical Center Replacement

- Center Environmental Impact Report (City of Santa Clara)
- 52. Downtown Development Program Environmental Impact Report
- 53. Caribbean-Moffett Park Environmental Impact Report
- 54. Southern Pacific Corridor Plan Environmental Impact Report

Maps

- 55. City of Sunnyvale Aerial Maps
- 56. Flood Insurance Rate Maps (FEMA)
- 57. Santa Clara County Assessors Parcel
- 58. Utility Maps (50 scale)

Lists/Inventories

- 59. Sunnyvale Cultural Resources Inventory List
- 60. Heritage Landmark Designation List
- 61. Santa Clara County Heritage Resource Inventory
- 62. Hazardous Waste & Substances Sites List (State of California)
- 63. List of Known Contaminants in Sunnyvale

Legislation/Acts/Bills/Codes

- 64. Subdivision Map Act
- 65. Uniform Fire Code, including amendments per SMC adoption
- 66. National Fire Code (National Fire Protection Association)
- 67. Title 19 California Administrative Code
- 68. California Assembly Bill 2185/2187 (Waters Bill)
- 69. California Assembly Bill 3777 (La Follette Bill)
- 70. Superfund Amendments & Reauthorization Act (SARA) Title III

Transportation

- 71. California Department of Transportation Highway Design Manual
- 72. California Department of Transportation Traffic Manual
- 73. California Department of Transportation Standard Plan
- 74. California Department of Transportation Standard Specification
- 75. Institute of Transportation Engineers - Trip Generation
- 76. Institute of Transportation Engineers Transportation and Traffic Engineering Handbook
- 77. U.S. Dept. of Transportation Federal Highway Admin. Manual on Uniform Traffic Control Devices for Street and Highways
- 78. California Vehicle Code
- 79. Traffic Engineering Theory & Practice by L. J. Pagnataro
- 80. Santa Clara County Congestion Management Program and Technical Guidelines
- 81. Santa Clara County Transportation Agency Short Range Transit Plan

**Environmental Checklist Form**

Project Number: 2007-0721  
Project Address: 811 Henderson Avenue  
Applicant: T-Mobile

- 82. Santa Clara County Transportation Plan
- 83. Traffic Volume Studies, City of Sunnyvale Public works Department of Traffic Engineering Division
- 84. Santa Clara County Sub-Regional Deficiency Plan
- 85. Bicycle Plan

**Public Works**

- 86. Standard Specifications and Details of the Department of Public Works
- 87. Storm Drain Master Plan
- 88. Sanitary Sewer Master Plan
- 89. Water Master Plan
- 90. Solid Waste Management Plan of Santa Clara County
- 91. Geotechnical Investigation Reports
- 92. Engineering Division Project Files
- 93. Subdivision and Parcel Map Files

**Miscellaneous**

- 94. Field Inspection
- 95. Environmental Information Form
- 96. Annual Summary of Containment Excesses (SAAQMD)
- 97. Current Air Quality Data
- 98. Chemical Emergency Preparedness Program (EPA) Interim Document in 1985?

- 99. Association of Bay Area Governments (ABAG) Population Projections
- 100. Bay Area Clean Air Plan
- 101. City-wide Design Guidelines
- 102. Industrial Design Guidelines

**Building Safety**

- 103. Uniform Building Code, Volume 1, (Including the California Building Code, Volume 1)
- 104. Uniform Building Code, Volume 2, (Including the California Building Code, Volume 2)
- 105. Uniform Plumbing Code, (Including the California Plumbing Code)
- 106. Uniform Mechanical Code, (Including the California Mechanical Code)
- 107. National Electrical Code (Including California Electrical Code)
- 108. Title 16 of the Sunnyvale Municipal Code

**Additional References**

- 109. USFWS/CA Dept. F&G Special Status Lists
- 110. Project Traffic Impact Analysis
- 111. Project Description
- 112. Project Development Plans
- 113. Santa Clara County Airport Land Use Plan
- 114. Federal Aviation Administration

111  
1  
1  
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5  
8  
1







ISSUE STATUS

DATE	DESCRIPTION	BY
10/14/10	REV 01	...
10/14/10	REV 02	...
10/14/10	REV 03	...
10/14/10	REV 04	...
10/14/10	REV 05	...
10/14/10	REV 06	...
10/14/10	REV 07	...
10/14/10	REV 08	...
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10/14/10	REV 16	...
10/14/10	REV 17	...
10/14/10	REV 18	...
10/14/10	REV 19	...
10/14/10	REV 20	...

**T-Mobile**  
 1000 CALIFORNIA BLVD 9TH FLOOR  
 COSTA MESA, CA 92626

POINTPOINT

**PONDEROSA PARK**  
 SF-14969A  
 11111 HANFORD ROAD  
 HANFORD, CA 93230

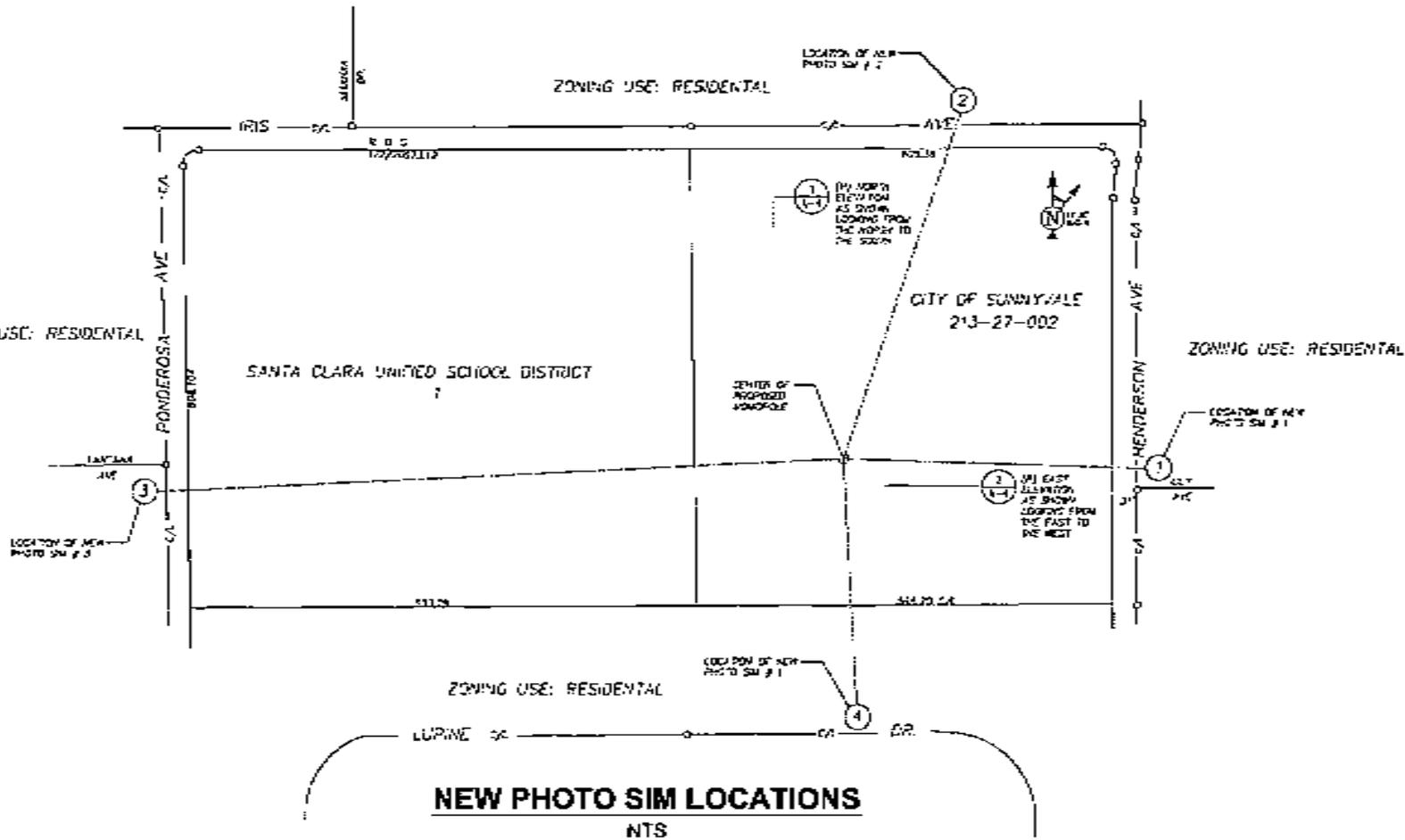
PAGE 4



ATTACHMENT 9

DATE: 10/14/10  
 DRAWN BY: [signature]

A-1.1



ALL MOBILE HOMES TO BE SHOWN LOCATED FROM THE NORTH TO THE SOUTH



ISSUE STATUS			
NO.	DATE	DESCRIPTION	BY
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2	11/10/09	ISSUE NO.	...
3	11/20/09	ISSUE NO.	...
4	12/01/09	ISSUE NO.	...
5	12/15/09	ISSUE NO.	...
6	12/25/09	ISSUE NO.	...
7	01/05/10	ISSUE NO.	...
8	01/15/10	ISSUE NO.	...
9	01/25/10	ISSUE NO.	...
10	02/05/10	ISSUE NO.	...
11	02/15/10	ISSUE NO.	...
12	02/25/10	ISSUE NO.	...
13	03/05/10	ISSUE NO.	...
14	03/15/10	ISSUE NO.	...
15	03/25/10	ISSUE NO.	...
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17	04/15/10	ISSUE NO.	...
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98	07/15/12	ISSUE NO.	...
99	07/25/12	ISSUE NO.	...
100	08/05/12	ISSUE NO.	...

**SCENIPOINT**  
**Mobile**  
 1825 GATEWAY DRIVE, SUITE 1100  
 CARLSBAD, CA 92008

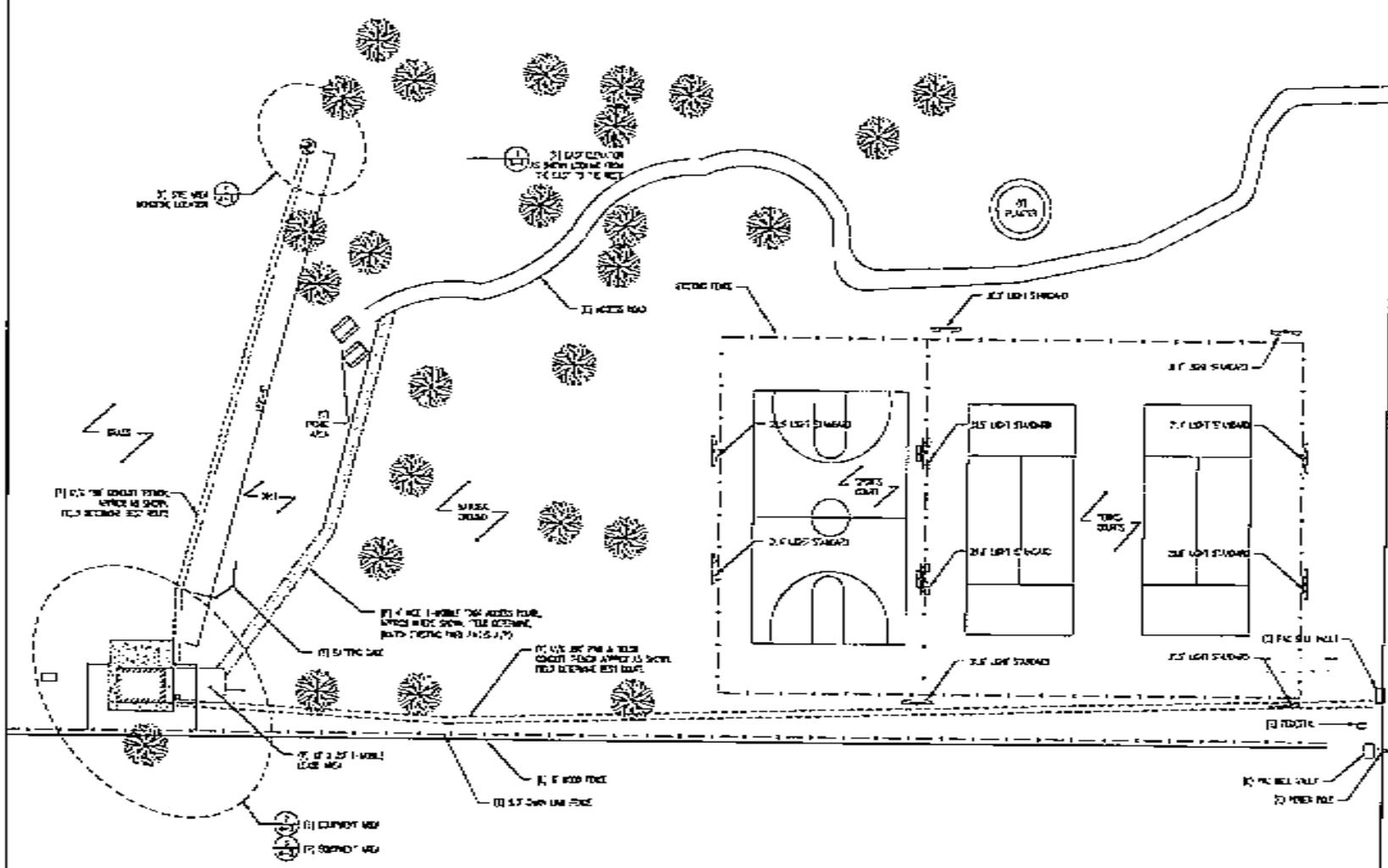
**PONDEROSA PARK**  
 ST-14969A  
 (760) 734-7344  
 1000 W. STATE ST. SUITE 100  
 CARLSBAD, CA 92008

**ATTACHMENT D**  
 Page 5 of 9



2011-12  
 CARL ST. PAR

A-1.2



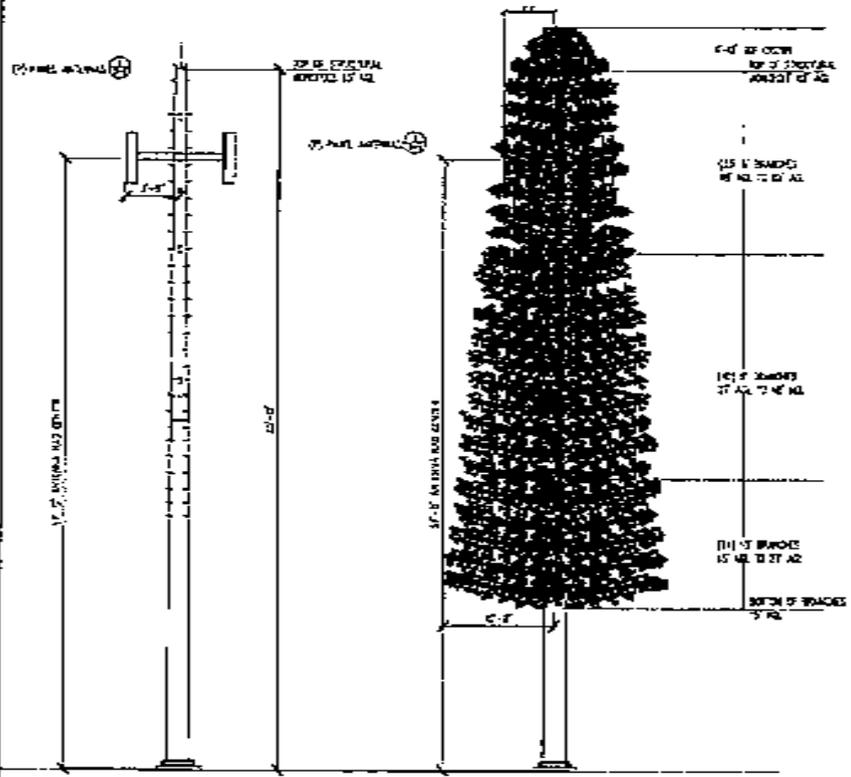
ENLARGED SITE PLAN

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



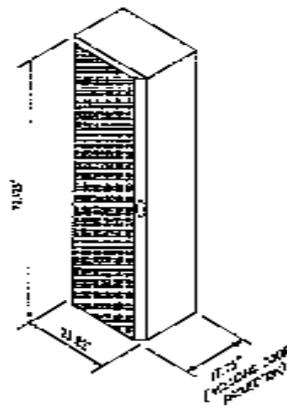






TYPICAL MONOPINE STEEL BRANCH COUNT DETAILS

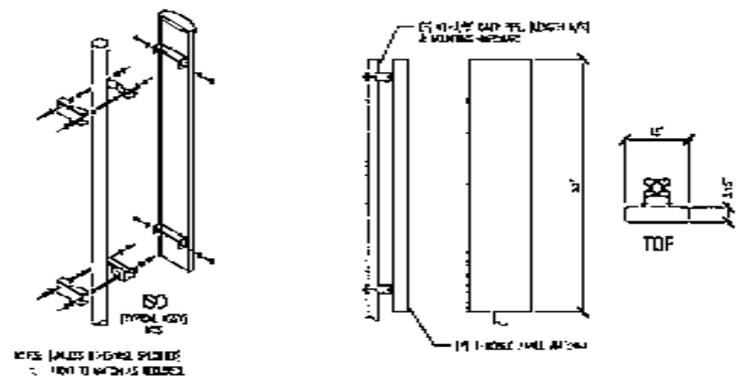
SCALE N.T.S. 1



PROPOSED PANEL ANTENNA	
DEPTH	12'-0" (3657 mm)
WIDTH	12'-0" (3657 mm)
HEIGHT	12'-0" (3657 mm)
WEIGHT	12'-0" (3657 mm)
...	...

PROPOSED BRACKET CLEARANCES		
BRACKET	MINIMUM CLEARANCE	MAXIMUM CLEARANCE
...	...	...

PROPOSED BTS CABINET



TYPICAL PROPOSED PANEL ANTENNA

SCALE N.T.S. 2

SCALE N.T.S. 3

ISSUE STATUS

NO.	DESCRIPTION	DATE
1	...	...
2	...	...
3	...	...
4	...	...
5	...	...

OMNIPONT **T-Mobile**  
 1005 GALLERY ROAD, SUITE 1100  
 COSTA MESA, CA 92626

PONDEROSA PARK  
 SF-14969A  
 11111 BURNING WOODS DRIVE  
 SUNNYVALE, CA 94087

Page 0 of 9

ATTACHMENT D

D-1

**T-Mobile**  
Engineering and  
Operations

June 7, 2007

City of Sunnyvale  
Planning Department  
456 W. Olive Avenue  
Sunnyvale, CA 94088

Re: **T-Mobile Wireless Communications Facility at Ponderosa Park  
811 Henderson, APN: 213-27-002**

Dear Planner:

Enclosed with this application for a Conditional Use Permit please find:

- » Completed Public Hearing Application Form
- » Written Explanation of the Project with Justifications (below)
- » Site Plan (12 copies)
- » Floor Plan, existing and proposed (12 copies)
- » Elevations, existing and proposed for all four sides (12 copies)
- » Materials/Color Board and colored rendering (forthcoming, if required)
- » Reductions: 8.5 x 11 sized reproductions of the above plans (2 copies)
- » Impervious Surface Data Worksheet
- » Applicable Fees (\$2724 UP; \$625 EA; \$50 Filing Fee)
- » Statement from Hammett and Edison, Consulting Engineers
- » Flyer from Community Meetings
- » Approval from Parks and Recreation Commission
- » Photosimulations
- » Antenna Specification Sheet/Equipment Specification Sheet

**PROJECT DESCRIPTION**

T-Mobile is a telecommunications carrier with a growing network in the Bay Area. With its growing number of customers, the necessity exists to provide more robust coverage. In order to provide enhanced services to benefit the residents of Sunnyvale as well as

those working in Sunnyvale, T-Mobile proposes to install base station equipment and a collocatable monopine at the Ponderosa Park located at 811 Henderson.

On April 11, 2007, the facility received the approval of the Parks and Recreation Commission. Prior to the hearing and approval, two (2) community meetings were held to discuss the impact of the facility on surrounding neighbors and to gather input from the community (see flyer included with this application). Curtis Black, Superintendent of Parks attended and facilitated at those meetings. Also in attendance at those hearings were members of the T-Mobile RF engineering team and Bill Hammett of the Professional Engineering firm Hammett and Edison, author of the Radio Frequency report included with this submission.

The facility will consist of:

1. **Equipment cabinets located within a new shelter** constructed adjacent to the existing tool shed at the park. The new shelter would be built to recreate the "ponderosa/old west" theme and the existing shelter would be upgraded as requested by the Parks Commission. The radio equipment cabinets are 5'10" tall and 4'3" wide and 3'1" deep. There will be (3) cabinets inside of the equipment shelter. Also included in the equipment shelter would be a power and telco rack. A GPS antenna would be located on top of the shelter, as it requires a line of site to satellites in the sky.

Per the Parks and Recreation Commission the existing maintenance building would be removed and replaced such that the new portion for the City would be equal to or greater than what currently exists.

2. **Six (6) panel antennas**, each measuring 53" (h) x 13" (w) x 3" (d), are proposed to be installed on a new T-Mobile monopine. The tree will be designed to be collocatable for a future carrier. The specification sheet for the antenna is enclosed. The monopine would be 65' tall and the antennas would be mounted at a centerline of approximately 57'.

The facility is completely "stealthed". The equipment cabinets will be hidden from view within a new enclosure painted and textured to match the existing building complete with a "ponderosa" theme. The antennas will be concealed by being located on an existing stealthed monopine and painted to match the monopine. T-Mobile will run all coaxial cables from the equipment area to the antennas by boring underground. The coax cable will not be visible from public view. Power and telco will most likely be derived from sources off of Henderson.

#### FINDINGS

- 1) *The Proposed Use attains the objectives and Purposes of the General Plan of the City of Sunnyvale.*

The new telecommunications facility will provide additional services to the surrounding area while also providing a design that adequately blends in with the surrounding residential and commercial neighborhoods. The site has been vetted through the process approved by the City Council. It has been presented at two community meetings and it has been approved by the City's Parks and Recreation Commission.

- 2) *The Proposed Use is desirable and will not be materially detrimental to the public welfare or injurious to the property, improvements or uses within the immediate vicinity and within the Zoning District.*

This site complies with all development standards and FCC guidelines. The site is a use that is desirable in this zoning district per the guidelines promulgated by the City Council for wireless telecommunications within City parks. The site has been approved by the Parks and Recreation Commission and is recommended by them for approval by the Planning Commission. The use is desirable as it will enhance E911 services in the area.

The site will be unmanned and will only require monthly service visits.

#### SITE SELECTION AND REJECTION

T-Mobile selected this site as it needs coverage in this area. T-Mobile is trying to provide coverage to the surrounding residential areas and main thoroughfares. As wireless telecommunications facilities are not permitted on residentially zoned properties, the ability to find locations and serve this neighborhood is significantly limited. The site is a favorable location for wireless telecommunications, per the city of Sunnyvale Municipal Code as it is a collocation in a Public Facility (P-F) zoning district.

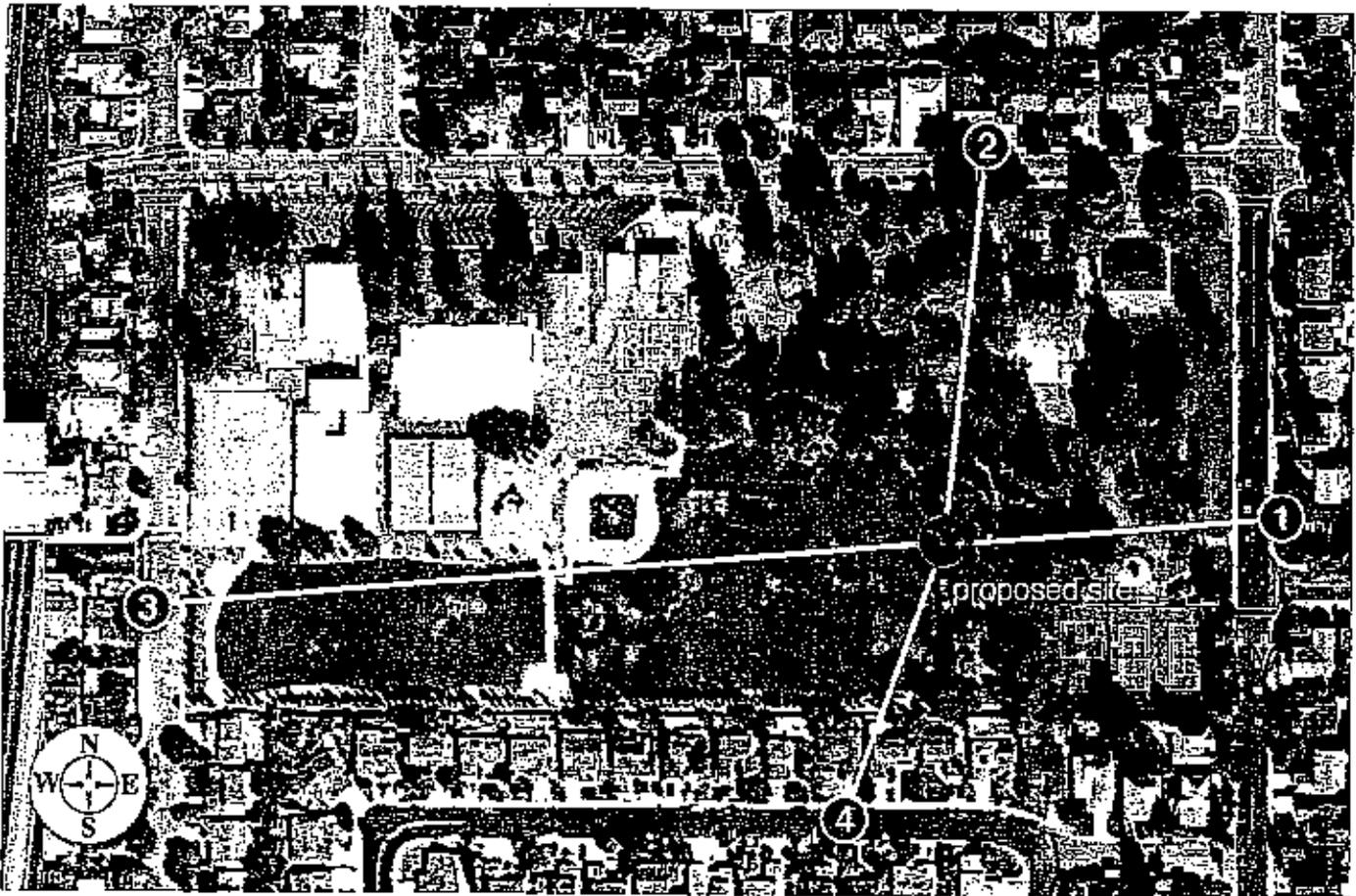
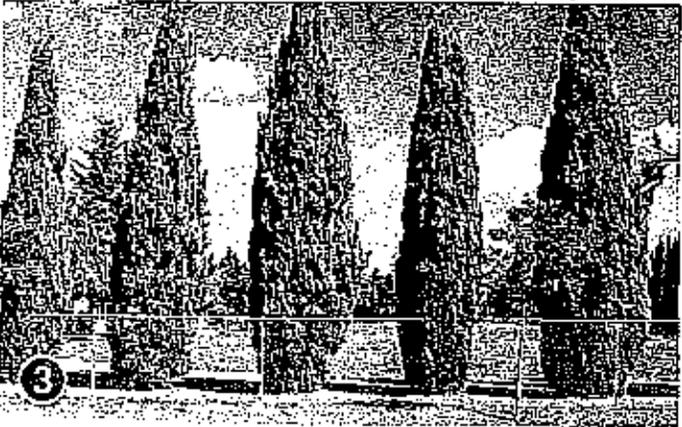
#### T-MOBILE REPRESENTATIVE

If there are any questions regarding this T-Mobile proposal, please do not hesitate to contact Sandra Steele at 415.573.7400 or [SSteele@permitme.net](mailto:SSteele@permitme.net).

Sincerely,

Sandra Steele  
Consultant to T-Mobile

Enc.



T-Mobile

Ponderosa Park

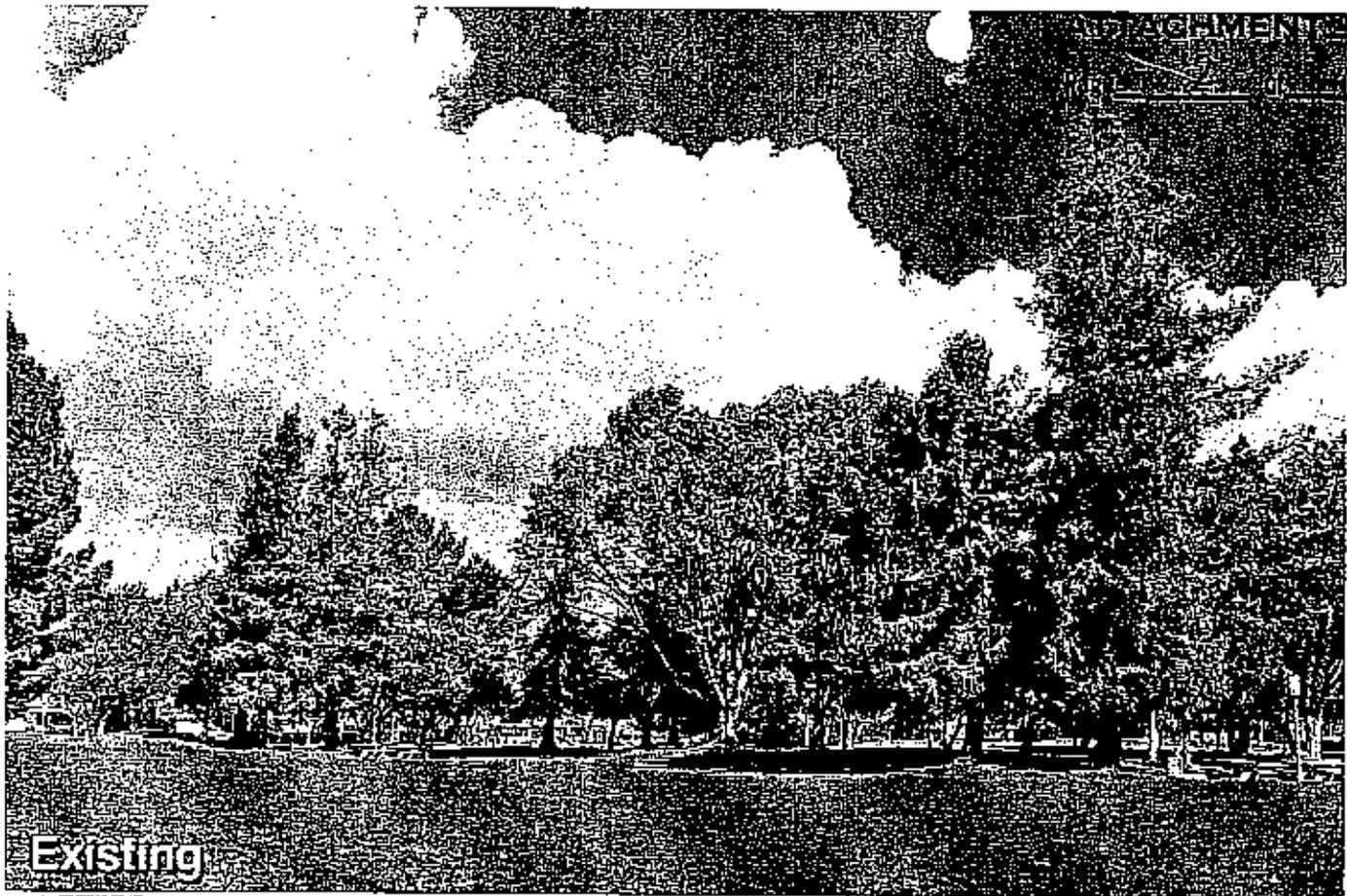
Site # SF14969

Aerial Map

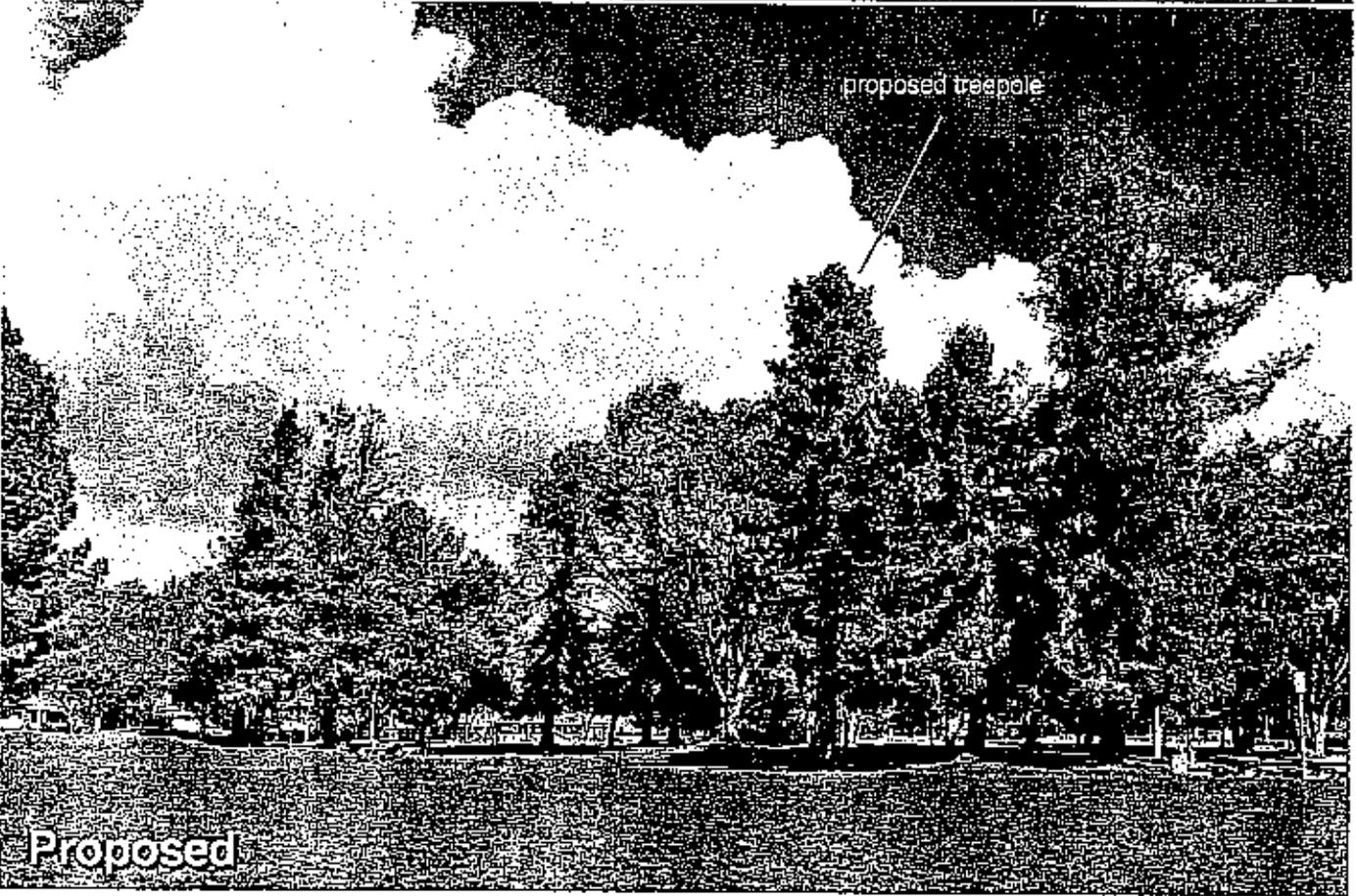
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811 Henderson Road  
Sunnyvale, CA

App#04 Imagination 510 914-0500



Existing

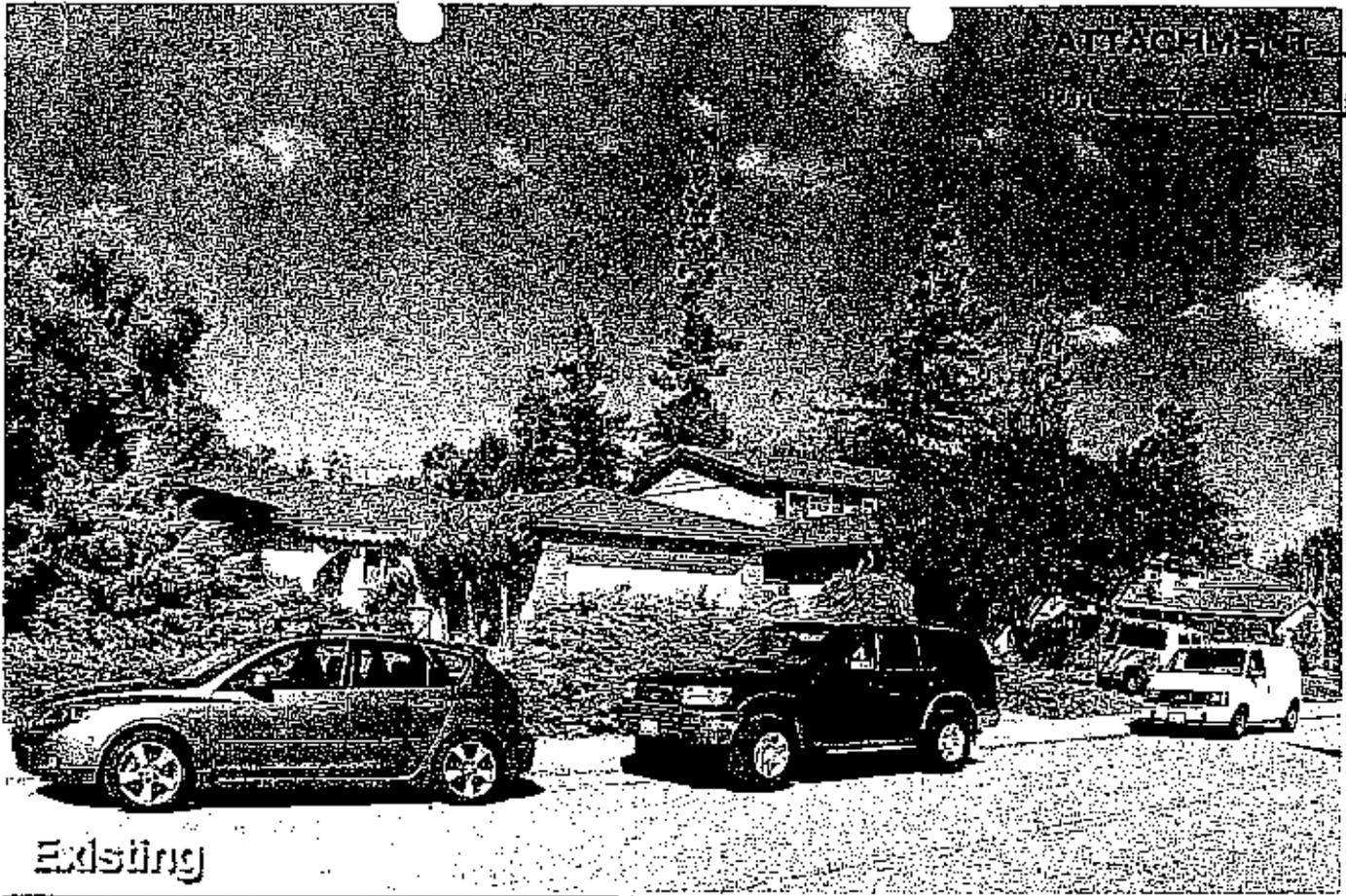


proposed treapole

Proposed



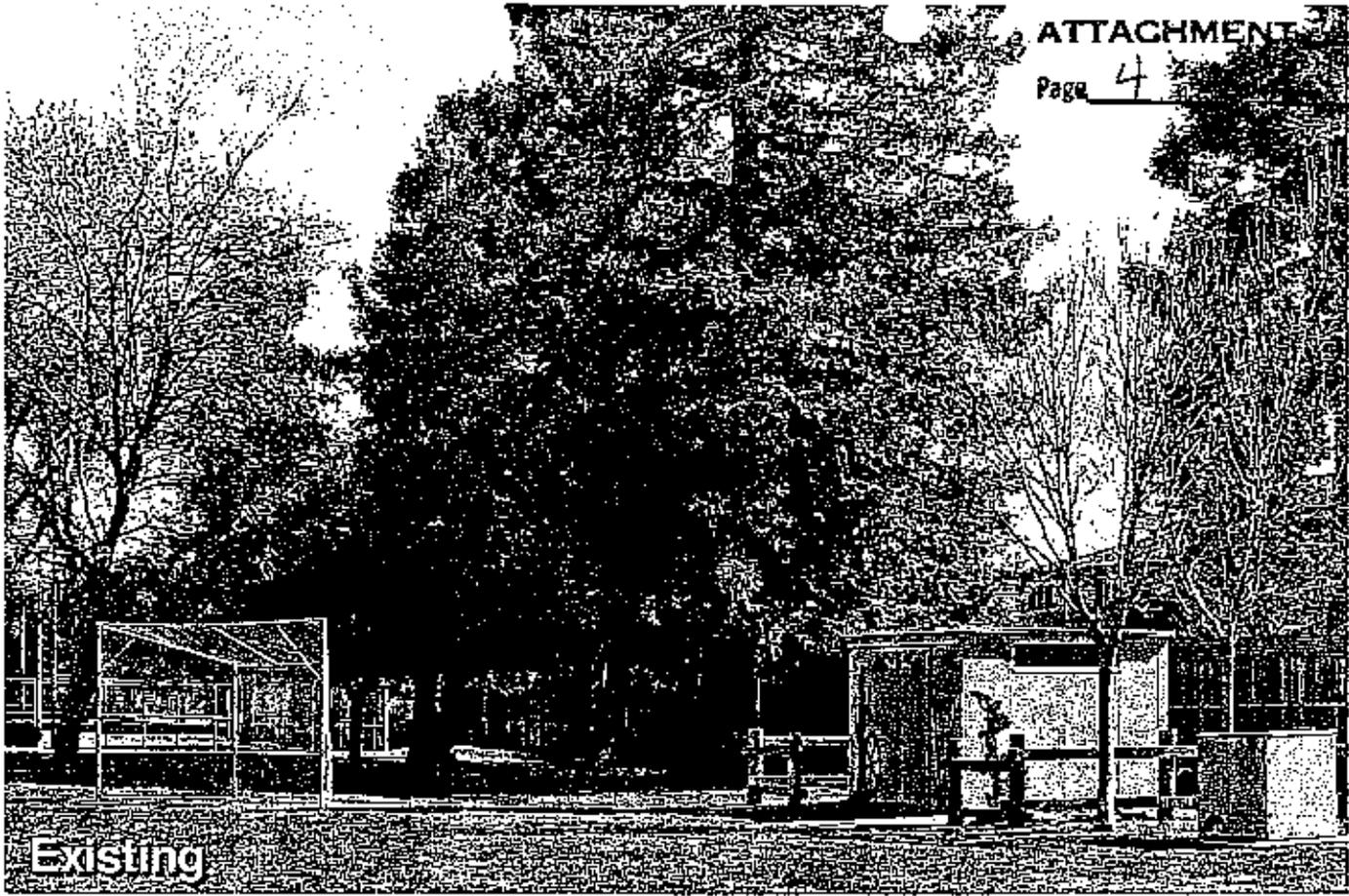
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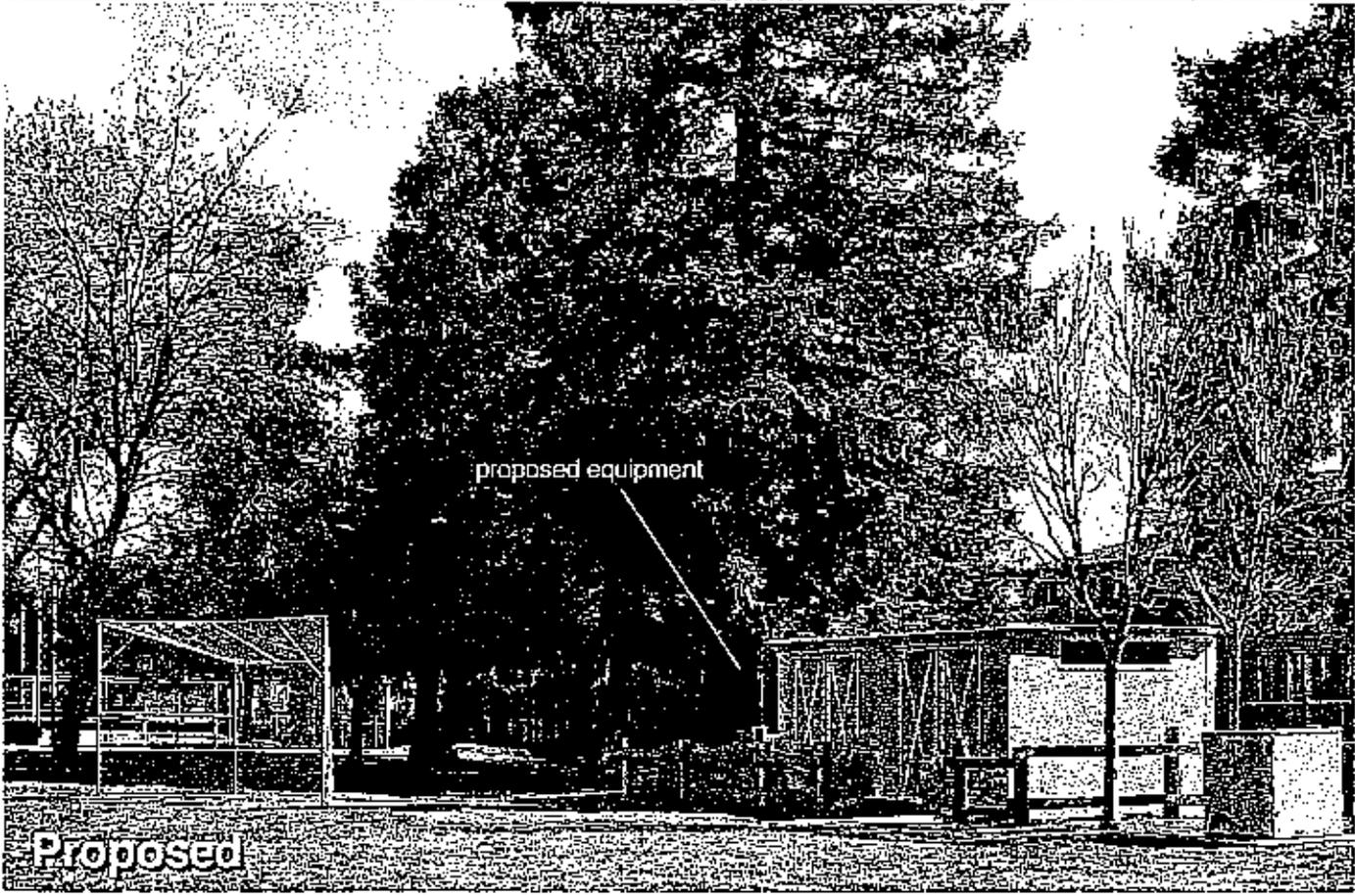
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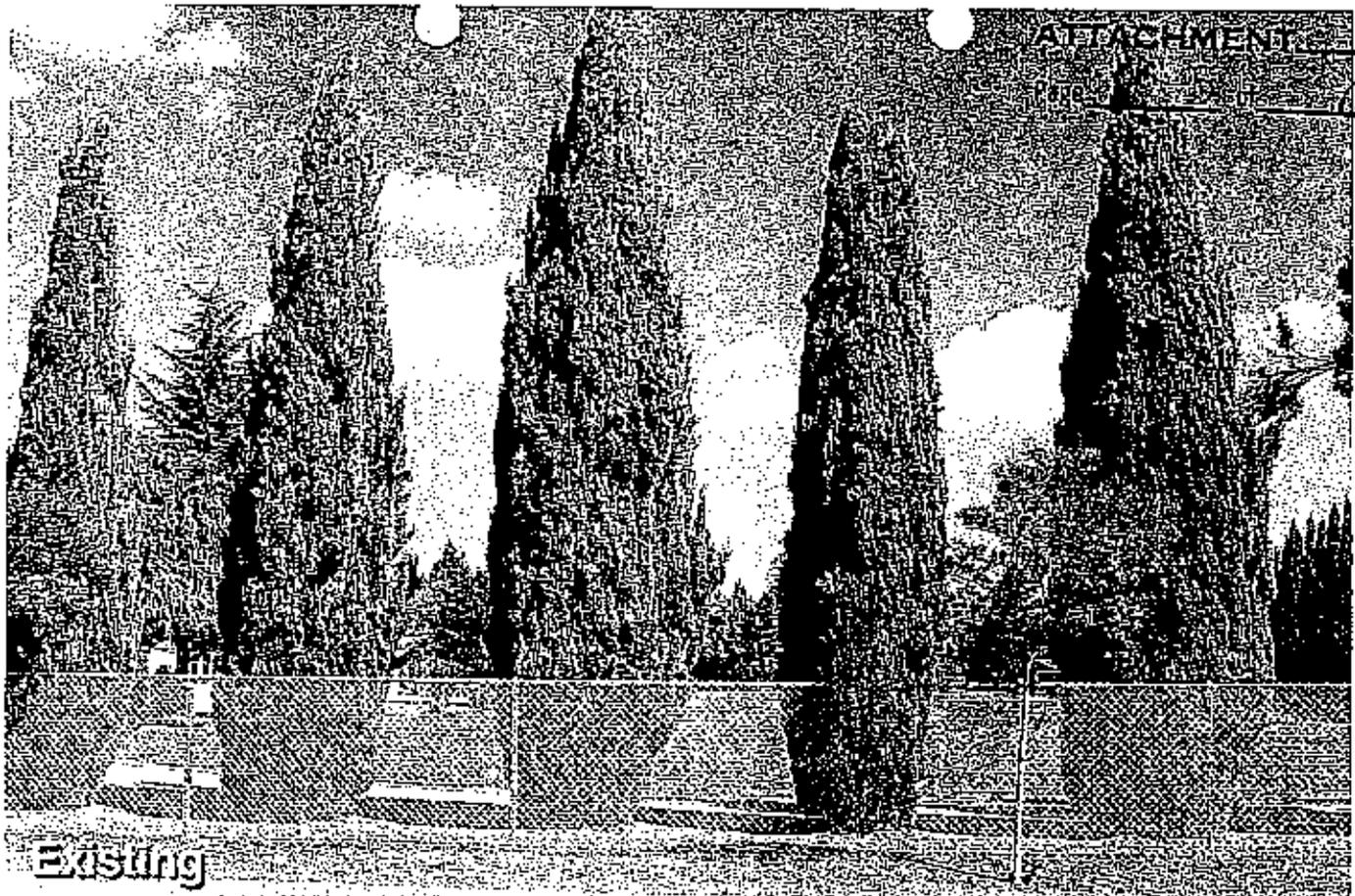


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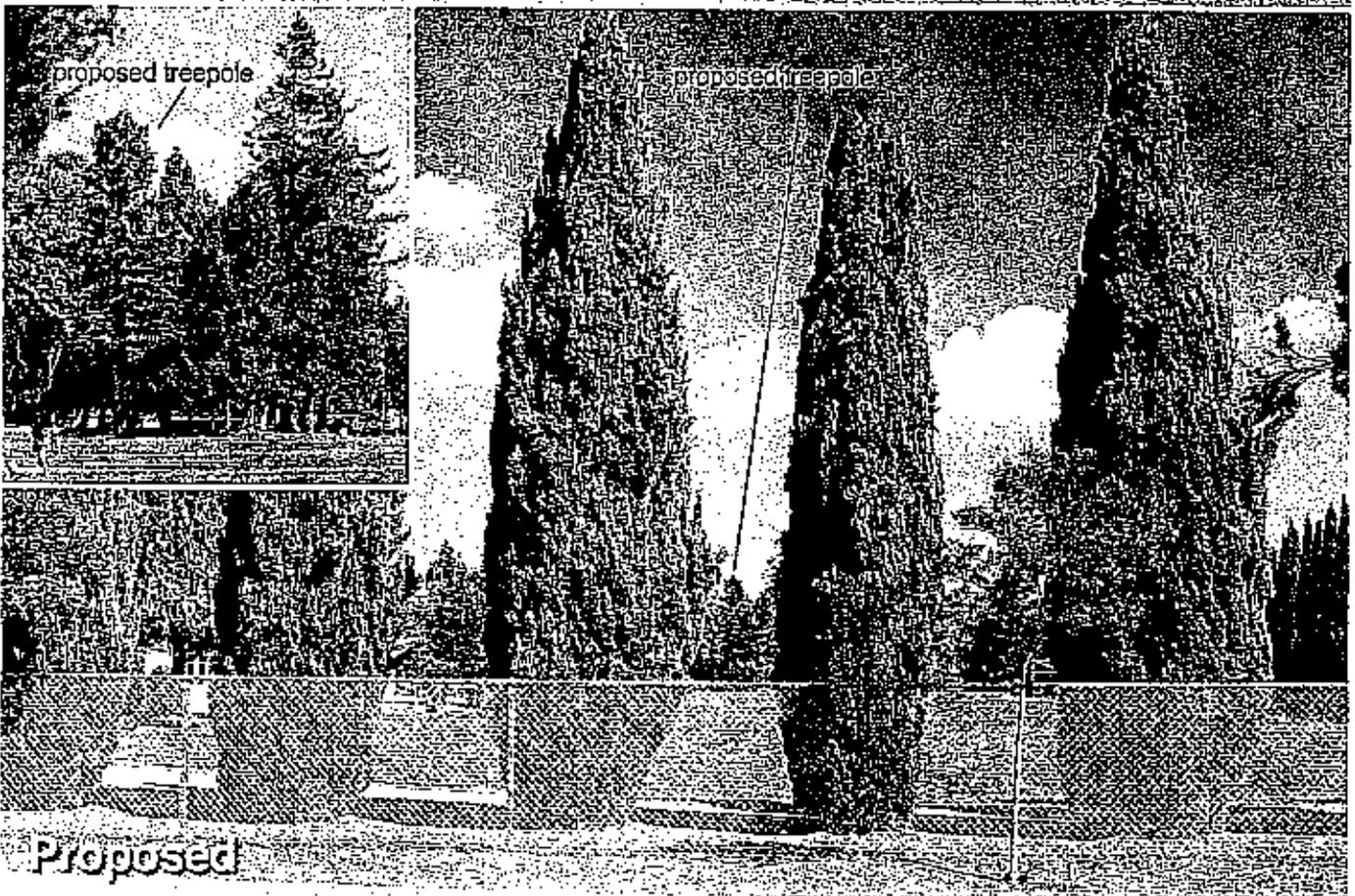


proposed equipment

Proposed



Existing



Proposed



Existing



Proposed



**CITY OF SUNNYVALE**  
**Report to**  
**Parks and Recreation Commission**

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**April 11, 2007**

**SUBJECT:** Proposed T-Mobile Corporation Cellular Antenna Project at Ponderosa Park

**BACKGROUND**

T-Mobile Corporation representatives contacted the City and proposed the construction of a wireless antenna project to enhance communications for their customers in the Ponderosa Park neighborhood of Sunnyvale. (Please see Attachment A, Project Site Plans.) Following this request, staff has taken steps to review this project consistent with City Council's direction received on October 10, 2006 in review of Report to Council #06-306. That is, staff has reviewed possible park facility improvements that could be completed within the scope of this project, facilitated public meetings for the near neighbors, and initiated negotiations for a potential lease agreement.

The proposed project would place three cellular antennas onto a Mono-Pine pole within a grove of mature trees in Ponderosa Park. A Mono-Pine is an artificial tree that is manufactured to imitate a mature Pine tree and has a hollow center pole to contain utility cables, lines, etc. All elements of the Mono-Pine (trunk, bark, leaves and branches) are constructed to appear very natural. Attachment A Project Site Plans, notes a chain link enclosure to hold project equipment adjacent to the existing park maintenance building. However, with input from neighbors and staff, the applicant sees the benefits (safety, sound insulation, etc.) of removing the existing building and constructing a larger building for both park use and project equipment space. The applicant plans to revise the conceptual plans with these changes (delete chain link enclosure and remove/replace the building) prior to pursuing the Use Permit with Planning Commission. Landscaping and thematic fencing that surround this proposed building would be replaced to be consistent with that seen today in the park. Placing the building in this area would meet the needs of T-Mobile Corporation customers without impacting park amenities or facilities.

If the project is approved, telecommunications would be improved in this neighborhood and the City would receive ongoing revenues of approximately \$2,000 to \$2,300 monthly to offset existing costs of recreational services.

Staff met with near neighbors at Ponderosa Park on Thursday, March 8, 2007 at 1:00 pm and on Saturday, March 10, 2007 at 11:00 am to discuss this project and gather community input. (Please see Attachment B, Invitation to Public Meetings and Attachment C, Summary of Neighbor Input.) A total of twelve neighbors were present for the meetings. At each meeting, staff provided an overview of related City policies and federal laws, as well as the cellular project review process approved by City Council on October 10, 2006 (RTC 06-306). A consensus of support was shared by neighbors who generally found the project to be acceptable with the Mono-Pine, changes to provide a larger building rather than a chain link enclosure and reasonable as it would improve cellular services for the neighborhood.

Staff recommends that the Parks and Recreation Commission recommend that the Planning Commission approve the proposed cellular antenna project substantially as proposed by T-Mobile Corporation and as noted in Attachment A and require the placement of ground equipment inside a new building that would also handle park maintenance needs.

**EXISTING POLICY**

From the Sunnyvale Municipal Code:

**Chapter 19.54. WIRELESS TELECOMMUNICATION FACILITIES**

**19.54.010. Purpose and intent.**

(a) The purpose and intent of this chapter is to provide a uniform and comprehensive set of standards for the development, siting and installation of wireless telecommunication facilities and antennas. The regulations contained herein are designed to protect and promote public health, safety, community welfare and the aesthetic quality of the city as set forth within the goals, objectives and policies of the general plan, the telecommunications policy and the city-wide design guidelines, while at the same time providing for managed development of wireless telecommunications infrastructure in accordance with the guidelines and intent of the Telecommunications Act of 1996.

(b) It is intended that the city shall apply these regulations in furtherance of the goals and policy objectives as set forth in the telecommunications policy, recognizing the city's roles as regulator, service provider, facilitator and user, including but not limited to the following:

- (1) To retain control of public property within the confines of state and federal legislation to regulate wireless telecommunications services;
- (2) To promote universal access to wireless telecommunications services;

(3) To use wireless telecommunications to maintain and enhance information resources and services;

(4) To promote use of wireless telecommunications technology, where appropriate and within the scope of available resources, to enhance the economic vitality of Sunnyvale;

(5) To facilitate the creation of an advanced wireless telecommunications infrastructure, within given resources, for citizens, businesses, industries and schools.

(c) Consistent with the foregoing purpose and objectives, and pursuant to the city's inherent police power authority to regulate such uses through zoning, building and safety requirements, the city seeks to:

(1) Protect the city from potential adverse effects of wireless telecommunication facility development;

(2) Retain local responsibility for management of the use of public rights-of-way;

(3) Facilitate the development of high-quality wireless telecommunications infrastructure and services to serve the citizens and business community of the city;

(4) Ensure that the wireless telecommunications infrastructure is designed to enhance and not interfere with the city's emergency response network;

(5) Streamline the process for obtaining necessary permits for wireless telecommunication facilities while at the same time ensuring compliance with all applicable zoning, building, health and safety requirements under this code. (Ord. 2623-99 § 1 (part); prior zoning code § 19.70.010).

#### **19.54.160. Public property and public right-of-way.**

(a) The city manager or the manager's designee may establish terms and conditions under which any public property or facility or right of way may be made available by lease or franchise as a location for wireless telecommunication facility

(b) No wireless telecommunication facility shall be constructed in or upon a public property or facility owned by the city, unless the telecommunications provider seeking to operate the facility has obtained a lease from the city, authorizing the provider to occupy the property or facility. The lease shall include the standard set forth in this chapter.

#### **From the Open Space and Recreation Sub-Element:**

B. Programming: The City strives to develop and implement passive and active recreation and enrichment programs that:

- provide constructive opportunities for fitness, well-being, healthy coping and stress management;
- highlight cultural practices and traditions reflective of a diverse community;
- promote activities that foster interaction among diverse parts of the community;
- encourage creative expression, education, skill development, and personal enrichment;
- contribute to the creation of a healthy community; and
- promote community participation in recreation for all ages.

It is the City's policy, therefore, to:

1. Leverage available resources by pursuing co-funded and/or cooperative agreements for provision and maintenance of programs, facilities, and services, in order to maximize benefits to the community. Partners may include, but are not limited to, school districts, non-profit groups, governmental agencies and businesses.

**From Section 704 of the Federal Telecommunications Act of 1996.**

No State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions.

**DISCUSSION**

As the demand for cellular telephones increases, the need for complete signal coverage throughout Sunnyvale also increases. Therefore, more cellular antenna projects have been proposed throughout Sunnyvale. In order to improve wireless signal strength, cellular companies are seeking permission to install cellular antennas within residential neighborhoods. This is the case at Ponderosa Park where T-Mobile Corporation has proposed this project. Please see Attachment A Project Site Plans.

The current use of land, in this instance, is for landscapes, mulch beds and one small storage building. The proposed Mono-Pine would be placed among a grove of mature Redwood and Ash trees. The new tree would appear very real and would not be as tall as the adjacent Redwood trees. It would be constructed to accept three cellular antennas placed below the tree top. All wiring would be contained within the pole.

Attachment A, notes a chain link enclosure to enclose project equipment adjacent to the existing park maintenance building. However, with input from neighbors and staff, the applicant sees the benefits (safety, sound insulation,

etc.) of removing the existing building and constructing a larger building for both park maintenance use and project equipment space. The applicant plans to revise the conceptual plans with these changes (delete chain link enclosure and remove/replace the building) prior to pursuing the Use Permit with Planning Commission. With these changes, the proposed project would place an approximate 10' X 25' building to accommodate the support electronic equipment for the antennas. The building is intended to mirror the appearance of the existing storage structure. If approved, service to the sports groups would not be impacted as the access to the sports fields would remain as currently constructed.

T-Mobile representatives would handle all maintenance and upkeep of this pole and its equipment in future years.

Neighborhood Input Meetings:

Use of park land is of interest to the community and staff facilitated public meetings with a T-Mobile representative to gather neighbor input. Meeting information was mailed directly to all neighbors within 500 feet of the park, posted at locations throughout Ponderosa Park and provided to the Ponderosa Park Neighborhood Association. Staff met with near neighbors on Thursday March 8, 2007, and again on Saturday March 10, 2007, to discuss this project and gather community input. Those that attended the meetings expressed opinions, asked questions, and shared supportive views of the project. (Please see Attachment C, Summary of Neighbor Input.)

Potential health risks were not mentioned by neighbors as concerns at these meetings. However, staff has heard this concern in review of similar projects at other Sunnyvale parks in previous months. With this in mind, staff shares details of the related health regulations information contained in the Federal Telecommunications Regulations.

Specifically, the following portion of federal code relates to radio wave emissions and health standards:

***Section 704 of the Telecommunications Act of 1996.***

***No State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions."***

Therefore, as long as the facilities comply with federal regulations as currently specified in lease agreements, the City does not have a health and safety related reason to deny such uses. A good deal of conversation generally

revolves around the emissions limits which are set by the Federal Communications Commission and approved by Congress. Emissions standards are addressed in existing written agreements for cellular installations and note that operators must maintain systems within limits of FCC regulations. The City does not require that this particular system operate at levels lower than federally established standards.

Review of similar projects has, at times, also resulted in concerns regarding the lease revenue value of the proposed facility to the City. The estimated yearly lease revenue is approximately \$24,000 to \$27,600 per year. While this is not a large percentage of all revenues received yearly for recreation services, it does reflect new revenue that is not provided through increases to residents' taxes or user fees. This amount is consistent with payments received from other companies for similar cellular facilities in Sunnyvale at Braly Park and Lakewood Park. New and additional revenues, such as cellular installation lease revenues, are already factored into the Community Recreation Fund balance. That is, Council anticipates that staff will seek out partnerships for various commercial uses compatible with parks and recreational facilities to provide revenues for current and future funding of recreation services.

As compared with the cost to provide services, the estimated lease revenue is approximately equal to the amount it costs Sunnyvale to provide any one of the following recreation services:

- adult music classes;
- youth sports classes;
- adult swim lessons;
- middle school year excursions;
- adult visual arts classes;
- park picnic rental program; and,
- mobile recreation program at a single school site during the school year.

Of interest also is whether other cellular company antennas could be placed at Ponderosa Park and what life span the proposed lease may have. It is the City's practice to encourage co-location of cellular equipment whenever possible and the proposed Mono-Pine would allow that if requested. This being said, to date no other companies have pursued placement of cellular antennas at Ponderosa Park. However, approval or denial of this facility would in no way limit T-Mobile or other providers from proposing similar projects in future years. The proposed term of the lease would be consistent with Sunnyvale's other park cellular antenna leases that have an initial ten-year term with two five-year extensions provided. With all extensions granted, the proposed lease would have a maximum term of twenty years.

**FISCAL IMPACT**

Establishing a long-term lease with T-Mobile Corporation for facilities including a cellular antenna system would result in ongoing income to the Community Recreation Fund. While negotiation of such a lease is not completed, staff anticipates an approximate \$2,000 to \$2,300 per month in new revenue. Over the maximum twenty-year term, the City would receive \$480,000 to \$552,000 in new revenue. These funds would help offset existing expenses in the provision of recreation services for Sunnyvale. These funds would not be available to expand services to the community.

New and additional revenues, such as cellular installation lease revenues, are already factored into the Community Recreation Fund balance. That is, Council anticipates that staff will seek out partnerships for various commercial uses compatible with parks and recreational facilities to provide revenues for current and future funding of recreation services. Whether this installation is approved or not, it is staff's task to seek out new revenues similar to those proposed in this project to help fund recreational programs.

Removal and replacement of the thirty-seven year old maintenance building by the applicant would save the City approximately \$25,000 to \$40,000 at some date in the future when the existing building wears out.

**PUBLIC CONTACT**

Public meetings were conducted at the Ponderosa Park multi-purpose building on Thursday, March 8, 2007, at 1 p.m. and on Saturday, March 10, 2007, at 11 a.m. Notification of these meetings was provided through posting fliers throughout Ponderosa Park, posting information with the Ponderosa Park Neighborhood Association and also through direct mail delivery by to neighbors that live within 500 feet of the park.

Public contact was made through posting of the Parks and Recreation Commission agenda on the City's official notice bulletin board, posting of the agenda on the City's web page and the availability of the report in the Parks and Recreation Administration office, Community Center and Senior Center.

**ALTERNATIVES**

1. Recommend that the Planning Commission approve the proposed cellular antenna project substantially as proposed by T-Mobile and as noted in Attachment A.
2. Recommend that Planning Commission require removal and replacement of the park maintenance building such that project ground equipment can be placed inside and space for park maintenance use will be equal to or greater than at the current time.

3. Recommend that the Planning Commission approve the proposed cellular antenna project as proposed by T-Mobile and as noted in Attachment A, and including specific changes to plans.
4. Recommend that the Planning Commission not approve the proposed cellular antenna project substantially as proposed by T-Mobile and as noted in Attachment A.
5. Make no recommendation to the Planning Commission on this subject.
6. Other recommendation to the Planning Commission as appropriate.

**RECOMMENDATION**

Staff recommends that the Parks and Recreation Commission make the following recommendation to Planning Commission regarding this project:

1. Recommend that the Planning Commission approve the proposed cellular antenna project substantially as proposed by T-Mobile and as noted in Attachment A; and,
2. Recommend that Planning Commission require removal and replacement of the park maintenance building such that project ground equipment can be placed inside and space for park maintenance use will be equal to or greater than at the current time.

This action would improve cellular communications in the Ponderosa Park neighborhood and support existing City Council Policy on this subject. Antenna system emissions would be within the applicable FCC public limits. The new maintenance building would eliminate future infrastructure replacement costs and the lease revenue would provide ongoing financial support to the Community Recreation Fund. The proposed Mono-Pine would fit well aesthetically with existing mature Redwood and Ash trees and would not distract from the beauty of the Ponderosa Park.

Prepared by:

\_\_\_\_\_  
Curtis Black, Superintendent of Parks

Approved by:

\_\_\_\_\_  
David A. Lewis, Director, Parks and Recreation

**Attachments**

- A. Project Site Plans
- B. Invitation to Public Meetings
- C. Summary of Neighbor Input

Channels > Sunnyvale Home > City Council > Boards and Commissions > Parks and Recreation > 2007 > Minutes > April 11, 2007

**DRAFT MINUTES**  
**SUNNYVALE PARKS AND RECREATION COMMISSION**  
**APRIL 11, 2007**

PLEASE  
SEE  
NEXT PAGE

The Sunnyvale Parks and Recreation Commission met in regular session in the Council Chambers, 456 W. Olive Avenue, Sunnyvale, CA at 7 p.m. with Chairperson Kinder presiding.

**SALUTE TO THE FLAG**

**CALL TO ORDER**

Chairperson Kinder called the meeting to order at 7 p.m.

**ROLL CALL**

Commissioners Present:	Chairperson Bob Kinder Vice Chairperson Howard Chuck Commissioner Robert Harms Commissioner Robert Lawson Commissioner Richard Oliver
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Absent: None

Staff Present:	David Lewis, Director, Parks and Recreation Cathy Merrill, Assistant to the Director Curtis Black, Superintendent of Parks Mark Petersen, Golf Services Supervisor
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**PUBLIC ANNOUNCEMENTS** - None

**CONSENT CALENDAR**

1.A. Approval of Draft Minutes from Regular Meeting of March 14, 2007.

MOTION: Vice Chairperson Chuck moved, and Chairperson Kinder seconded, to approve the minutes from the regular meeting of March 14, 2007, with the following correction:

- Page 5, final paragraph: correct Vice Chairperson Kinder to Chairperson Kinder.

VOTE: Motion passed 4-0. Commissioner Lawson abstained since he was absent from the March 14, 2007, Commission meeting.

**STAFF RESPONSES TO PRIOR PUBLIC COMMENTS** - None

**PUBLIC COMMENT**

Mr. Aaron Grossman, Friends of Stevens Creek Trail, distributed copies of the Friends of Stevens Creek Trail 2006 Annual Report to the Commissioners. Mr. Grossman noted that the City of Mountain View started construction to bring the Stevens Creek Trail under El Camino Real. He said the City of Sunnyvale has an opportunity to connect to the Mountain View Trail and asked the

Commission to think about what the City could do to connect to the trail. He said that on-street access is unsafe.

Chairperson Kinder thanked Mr. Grossman for his comments.

ATTACHMENT 6

Page 2 of 5

## **PUBLIC HEARINGS/GENERAL BUSINESS**

### **2. Proposed T-Mobile Corporation Cellular Antenna Project at Ponderosa Park (Planning Commission Date TBD)**

Curtis Black, Superintendent of Parks, presented the staff report. He said the Commission's recommendation will go forward to the Planning Commission. He introduced Ms. Sandra Steele, T-Mobile representative, who stated that this is an important site for T-Mobile to improve.

Commissioners asked questions regarding cell antenna ownership, effects of more cellular antennas in Sunnyvale's park system, governing policies, co-location of use with other cellular providers with City approval, antenna towers disguised as pine trees, length of construction, alternate sites in the park for the antennas, informational signage on poles, rental fees, length of lease, rental lease agreement and annual inflation factor. Commissioners asked if attendees at public meetings are given the opportunity and encouraged to suggest alternate locations and provide suggestions and input.

Chairperson Kinder opened the public hearing.

Mr. Joe Quinlan, Ponderosa Neighborhood Association, would like more public access to information. He suggested the City could provide neighborhood groups access to information through venues such as "Yahoo Groups" and email the information to neighborhood groups to be posted.

Ms. Ling Sun said she missed the neighborhood meeting. She is concerned about children being exposed to radiation by installing the cellular antennas close to the school.

At Chairperson Kinder's request, Superintendent Black read Section 704 of the Telecommunications Act of 1996. Ms. Steele addressed in more detail the limits, environmental effects, and standards of radio frequency emissions which are set by the Federal Communications Commission (FCC) and approved by Congress.

Mr. Larry Alba expressed concern about possible health effects of radiation emissions. Commissioner Obrey directed Mr. Alba to staff. Superintendent Black stated he would provide Mr. Alba with a copy of the engineer's report. Mr. Alba suggested that T-Mobile could share Sprint's cellular antenna which has clear reception near Ponderosa Park.

Chairperson Kinder asked if the locations of all cellular antennas are posted on the City's web site. Superintendent Black stated that each cellular company has the information posted on their own web site showing their own cellular coverage.

Superintendent Black said the Planning Commission date to address this item has not been scheduled yet.

Ms. Steele said that the range for each cellular antenna is approximately 1/2 mile in order to provide for seamless coverage in the area. Typically, jurisdictions require cellular companies to submit a plan.

Mr. Rajat Mathur, T-Mobile engineer, gave a brief overview regarding radio frequency emissions for this site. He said all carriers are required to keep antenna system emissions within applicable FCC standards.

Chairperson Kinder closed the public hearing.

MOTION: Commissioner Oliver moved, Vice Chairperson Chuck seconded, to recommend that the Planning Commission accept staff's recommendations, Alternatives 1 and 2.

1. Recommend that the Planning Commission approve the proposed cellular antenna project substantially as proposed by T-Mobile and as noted in Attachment A of the report.
2. Recommend that the Planning Commission require removal and replacement of the park maintenance building such that project ground equipment can be placed inside and space for park maintenance use will be equal to or greater than at the current time.

AMENDMENT TO MOTION: Commissioner Lawson moved to amend the motion, Chairperson Kinder seconded, to include that the applicant agree to co-location with other carriers as a condition of the use permit and the rental agreement include an annual inflation factor.

Discussion followed. Commissioner Lawson said that in 10 years the fixed rental rate for this space will be too low; the rental lease should increase annually with an inflation factor. Chairperson Kinder added that if an inflation rate is added, the base rate might change. Commissioner Harms said the rental rate lease agreement is an operational matter, and he is confident in the City Manager's decision regarding the lease.

VOTE ON AMENDMENT TO MOTION: Passed 3-2 (Commissioners Oliver and Harms dissented.)

MOTION AS AMENDED: Recommend that the Planning Commission accept staff's recommendations, Alternatives 1 and 2.

1. Recommend that the Planning Commission approve the proposed cellular antenna project substantially as proposed by T-Mobile and as noted in Attachment A of the report.
2. Recommend that the Planning Commission require removal and replacement of the park maintenance building such that project ground equipment can be placed inside and space for park maintenance use will be equal to or greater than at the current time.

In addition, to include that the applicant agree to co-location with other carriers as a condition of the use permit and the rental agreement include an annual inflation factor.

VOTE ON MOTION AS AMENDED: Passed 4-1. Commissioner Harms dissented as he does not favor the amendment because the City Manager has the right to negotiate and set prices for the rental lease agreement with the cellular company.

### 3. Revision of Cherry Chase Sports Field Master Plan to Accommodate New Classroom (Council Action 5/8/07)

Curtis Black, Superintendent of Parks, presented the staff report. He introduced Dr. Benjamin Picard, Deputy Superintendent, Sunnyvale School District, who was available to answer questions.

Commissioners questioned the size of the sports fields shown in the attachments and asked if there will be permanent markings on the fields. Questions were answered regarding City maintenance of the fields and amount of turf being reduced.

Chairperson Kinder opened the public hearing. There were no appearances and the public hearing was closed.

MOTION: Commissioner Oliver moved, Commissioner Lawson seconded, to recommend that Council accept staff's recommendation Alternative 1: Approve the proposed master plan for Cherry Chase Elementary School sports field to include the new classroom building per Attachment A of the

report.

ATTACHMENT G  
Page 4 of 5

VOTE: Passed 5-0.

Commissioner Lawson said he supported the motion because the school improvements will meet the needs of the school children in this area, and the proposed project will have minimal impact on the recreational use of the sports field.

#### 4. Presentation by Sunnyvale Alliance Soccer Club regarding Outside Group Funding Process

Assistant to the Director Merrill presented the staff report. She explained that the Commission will make its recommendation regarding funding requests at the May 30, 2007, Commission meeting as part of the review of the budget supplements in the Recommended FY 2007/2008 Budget. A Commission member will need to present the Commission's recommendation to Council at the June 5, 2007, public hearing on the Recommended FY 2007/2008 Budget.

Mr. Masood Mokhtary, Sunnyvale Alliance Soccer Club (SASC) president, addressed the Commission and stated he would like to give the Commission another presentation closer to the May 30 meeting. Assistant to the Director Merrill stated that SASC will not be on the agenda to present again unless a Commissioner makes that request; however, there will be an opportunity to comment during the Commission and Council public hearings on the budget.

Mr. Masood Mokhtary said SASC is requesting funding (\$5,000) for the screening of candidates for fee waiver assistance and to replace revenue lost with the City's decision to no longer allow youth sports groups to use the fee waiver program.

Ms. Susan Lundberg, SASC treasurer, answered Commissioners' questions regarding the SASC budget, annual fees, and number of fee waivers received this year. Ms. Lundberg also described other SASC programs to support costs for uniforms and summer camps. Commissioners asked why SASC pays referees instead of using volunteers. Ms. Lundberg responded that referees are more reliable if paid. Commissioners asked how the club determines who qualifies for the scholarship program. Ms. Lundberg said they currently rely on the City's decision that participants qualify for fee waivers. Commissioners confirmed that the league receives a discount for field use. Commissioners questioned why SASC is asking for fee waiver assistance if they no longer

qualify and commented that SASC is in the same situation as many other groups.

Chairperson Kinder thanked Ms. Lundberg and Mr. Mokhtary for their presentation.

Chairperson Kinder opened the public hearing. There were no appearances and the public hearing was closed.

#### 5. Golf Visioning Presentation

Mark Petersen, Golf Services Manager, presented the staff report. He said the Golf Visioning Report is an internal report, and he is seeking Commissioners' input via survey if they choose as (1) individuals or (2) Commission members.

If Commissioners prefer to give input as individuals, complete the survey and submit it to Assistant to Director Merrill or staff at the golf courses. If Commissioners desire to take action, request that this item be agendaized for a future meeting.

Commissioners' questions were answered regarding list of public comments and scope of the Golf Visioning Report. Commissioner Lawson offered to distribute golf surveys to his friends.

Chairperson Kinder opened the Public Hearing. There were no appearances and the Public Hearing was closed.

ATTACHMENT G  
Page 5 of 5

6. Update on Potential Study Issues for 2008

Assistant to the Director Merrill reviewed the study issue process and stated there are no new study issues proposed by the Commission for 2008.

**NON-AGENDA ITEMS AND COMMENTS**

**COMMISSION**

Commissioners Lawson and Harms will attend Hands on the Arts (HOTS) on May 19, 2007, at the Community Center. They will be available to work in Commission's booth, meet and greet the public, and distribute information regarding the City's parks and recreation programs. Chairperson Kinder will confirm his attendance at HOTS with Assistant to the Director Merrill.

**STAFF**

Director Lewis explained that the Report to Council regarding the California Sports Center (CSC) Agreement and Fremont High School Pool will not have time to go before the Commission prior to going to Council. Director Lewis responded to questions.

**INFORMATION ONLY ITEMS**

- Staff Liaison Report
- Commission Calendar, Rev. 4/4/07
- P&R Pr Employee Newsletter, 3/2007
- Miscellaneous Items of Interest

**ADJOURNMENT at 9:40 p.m.**

Chairperson Kinder adjourned the meeting at 9:40 p.m.

Respectfully submitted,

Cathy E. Merrill  
Assistant to the Director  
Parks and Recreation Department

Reviewed by,

David A. Lewis, Director  
Parks and Recreation Department

ks

**Statement of Hammett & Edison, Inc., Consulting Engineers**

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of T-Mobile, a personal wireless telecommunications carrier, to evaluate the base station (Site No. SF14969A) proposed to be located at 811 Henderson Road in Sunnyvale, California, for compliance with appropriate guidelines limiting human exposure to radio frequency ("RF") electromagnetic fields.

**Prevailing Exposure Standards**

The U.S. Congress requires that the Federal Communications Commission ("FCC") evaluate its actions for possible significant impact on the environment. In Docket 93-62, effective October 15, 1997, the FCC adopted the human exposure limits for field strength and power density recommended in Report No. 86, "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," published in 1986 by the Congressionally chartered National Council on Radiation Protection and Measurements ("NCRP"). Separate limits apply for occupational and public exposure conditions, with the latter limits generally five times more restrictive. The more recent Institute of Electrical and Electronics Engineers ("IEEE") Standard C95.1-2005, "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," includes similar exposure limits. A summary of the FCC's exposure limits is shown in Figure 1. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

The most restrictive FCC limit for exposures of unlimited duration to radio frequency energy for several personal wireless services are as follows:

Personal Wireless Service	Approx. Frequency	Occupational Limit	Public Limit
Personal Communication ("PCS")	1,950 MHz	5.00 mW/cm <sup>2</sup>	1.00 mW/cm <sup>2</sup>
Cellular Telephone	870	2.90	0.58
Specialized Mobile Radio	855	2.85	0.57
[most restrictive frequency range]	30-300	1.00	0.20

**General Facility Requirements**

Base stations typically consist of two distinct parts: the electronic transceivers (also called "radios" or "channels") that are connected to the traditional wired telephone lines, and the passive antennas that send the wireless signals created by the radios out to be received by individual subscriber units. The transceivers are often located at ground level and are connected to the antennas by coaxial cables about 1 inch thick. Because of the short wavelength of the frequencies assigned by the FCC for wireless services, the antennas require line-of-sight paths for their signals to propagate well and so are installed at some height above ground. The antennas are designed to concentrate their energy toward



the horizon, with very little energy wasted toward the sky or the ground. Along with the low power of such facilities, this means that it is generally not possible for exposure conditions to approach the maximum permissible exposure limits without being physically very near the antennas.

### Computer Modeling Method

The FCC provides direction for determining compliance in its Office of Engineering and Technology Bulletin No. 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Radiation," dated August 1997. Figure 2 attached describes the calculation methodologies, reflecting the facts that a directional antenna's radiation pattern is not fully formed at locations very close by (the "near-field" effect) and that at greater distances the power level from an energy source decreases with the square of the distance from it (the "inverse square law"). The conservative nature of this method for evaluating exposure conditions has been verified by numerous field tests.

### Site and Facility Description

Based upon information provided by T-Mobile, including drawings by Gemini Consulting Group, dated December 16, 2006, it is proposed to mount six RFS Model APX16DWV-16DWV directional panel PCS antennas on a new pole, configured to resemble a pine tree, to be located in Ponderosa Park at 811 Henderson Road in Sunnyvale. The antennas would be mounted with 2° downtilt at an effective height of about 57 feet above ground and would be oriented in pairs toward 0°T, 120°T, and 270°T. The maximum effective radiated power in any direction would be 2,400 watts, representing the simultaneous operation of six channels at 400 watts each. There are reported no other wireless communications base stations located nearby.

### Study Results

For a person anywhere at ground, the maximum ambient RF exposure level due to the proposed T-Mobile operation is calculated to be 0.0013 mW/cm<sup>2</sup>, which is 0.13% of the applicable public limit. The maximum calculated level at the second-floor elevation of any nearby residence would be 0.21% of the public exposure limit. It should be noted that these results include several "worst-case" assumptions and therefore are expected to overstate actual power density levels.

### No Recommended Mitigation Measures

Due to their mounting location, the T-Mobile antennas are not accessible to the general public, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. It is presumed that T-Mobile will, as an FCC licensee, take adequate steps to ensure that its employees or

contractors comply with FCC occupational exposure guidelines whenever work is required near the antennas themselves.

### Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that the base station proposed by T-Mobile at 811 Henderson Road in Sunnyvale, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations.

### Authorship

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2007. This work has been carried out by him or under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

March 1, 2007



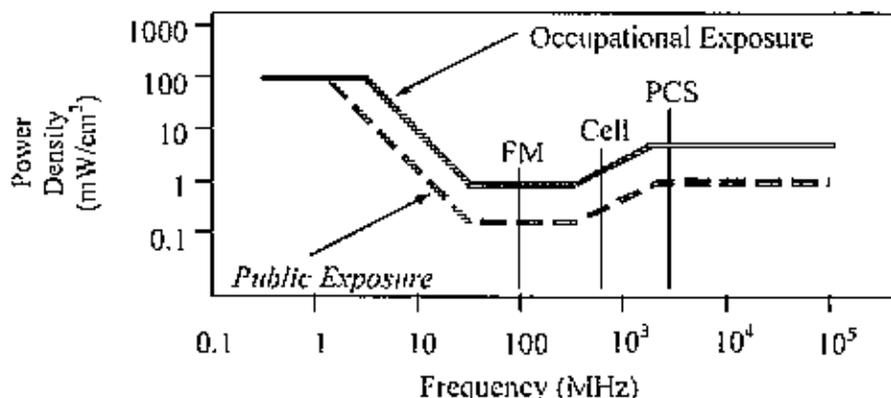
*William F. Hammett*  
\_\_\_\_\_  
William F. Hammett, P.E.



The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission ("FCC") to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The FCC adopted the limits from Report No. 86, "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," published in 1986 by the Congressionally chartered National Council on Radiation Protection and Measurements, which are similar to the more recent Institute of Electrical and Electronics Engineers Standard C95.1-2005, "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz." These limits apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

As shown in the table and chart below, separate limits apply for occupational and public exposure conditions, with the latter limits (in *italics* and/or dashed) up to five times more restrictive:

Frequency Applicable Range (MHz)	Electromagnetic Fields (f is frequency of emission in MHz)					
	Electric Field Strength (V/m)		Magnetic Field Strength (A/m)		Equivalent Far-Field Power Density (mW/cm <sup>2</sup> )	
0.3 – 1.34	614	<i>614</i>	1.63	<i>1.63</i>	100	<i>100</i>
1.34 – 3.0	614	<i>823.8/f</i>	1.63	<i>2.19/f</i>	100	<i>180/f</i>
3.0 – 30	1842/f	<i>823.8/f</i>	4.89/f	<i>2.19/f</i>	900/f <sup>2</sup>	<i>180/f</i>
30 – 300	61.4	<i>27.5</i>	0.163	<i>0.0729</i>	1.0	<i>0.2</i>
300 – 1,500	3.54√f	<i>1.59√f</i>	√f/106	<i>√f/238</i>	f/300	<i>f/1500</i>
1,500 – 100,000	137	<i>61.4</i>	0.364	<i>0.163</i>	5.0	<i>1.0</i>



Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits, and higher levels also are allowed for exposures to small areas, such that the spatially averaged levels do not exceed the limits. However, neither of these allowances is incorporated in the conservative calculation formulas in the FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) for projecting field levels. Hammett & Edison has built those formulas into a proprietary program that calculates, at each location on an arbitrary rectangular grid, the total expected power density from any number of individual radio sources. The program allows for the description of buildings and uneven terrain, if required to obtain more accurate projections.

**Assessment by Calculation of Compliance with FCC Exposure Guidelines**

The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission ("FCC") to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The maximum permissible exposure limits adopted by the FCC (see Figure 1) apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health. Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits.

**Near Field.**

Prediction methods have been developed for the near field zone of panel (directional) and whip (omnidirectional) antennas, typical at wireless telecommunications cell sites. The near field zone is defined by the distance, D, from an antenna beyond which the manufacturer's published, far field antenna patterns will be fully formed; the near field may exist for increasing D until some or all of three conditions have been met:

$$1) D > \frac{2h^2}{\lambda} \qquad 2) D > 5h \qquad 3) D > 1.6\lambda$$

where h = aperture height of the antenna, in meters, and  
 $\lambda$  = wavelength of the transmitted signal, in meters.

The FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) gives this formula for calculating power density in the near field zone about an individual RF source:

$$\text{power density } S = \frac{180}{\theta_{BW}} \times \frac{0.1 \times P_{net}}{\pi \times D \times h}, \text{ in mW/cm}^2,$$

where  $\theta_{BW}$  = half-power beamwidth of antenna, in degrees, and  
 $P_{net}$  = net power input to the antenna, in watts.

The factor of 0.1 in the numerator converts to the desired units of power density. This formula has been built into a proprietary program that calculates distances to FCC public and occupational limits.

**Far Field.**

OET-65 gives this formula for calculating power density in the far field of an individual RF source:

$$\text{power density } S = \frac{2.56 \times 1.64 \times 100 \times RFF^2 \times ERP}{4 \times \pi \times D^2}, \text{ in mW/cm}^2,$$

where ERP = total ERP (all polarizations), in kilowatts,  
 RFF = relative field factor at the direction to the actual point of calculation, and  
 D = distance from the center of radiation to the point of calculation, in meters.

The factor of 2.56 accounts for the increase in power density due to ground reflection, assuming a reflection coefficient of 1.6 (1.6 x 1.6 = 2.56). The factor of 1.64 is the gain of a half-wave dipole relative to an isotropic radiator. The factor of 100 in the numerator converts to the desired units of power density. This formula has been built into a proprietary program that calculates, at each location on an arbitrary rectangular grid, the total expected power density from any number of individual radiation sources. The program also allows for the description of uneven terrain in the vicinity, to obtain more accurate projections.



**ATTACHMENT**

**T-Mobile USA**

**Present Coverage**

- Proposed Site: SF14969A
- Future Sites
- Existing Sites
- In-building Coverage (Good)
- In-vehicle Coverage (Fair)
- Outdoor Coverage (Poor)





Petition

Date: July 6th, 2007  
To: Mr. Andy Miner  
Sunnyvale Planning Division

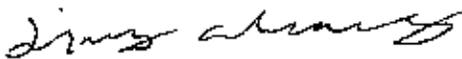
Dear Mr. Andy Miner

We are afraid the Cell Tower is too close to Ponderosa Preschool/Elementary in case of emergency since students evacuate to the play ground area around the future T-mobile tower with 100 feet range. The Sunnyvale ARC site (designate Sunnyvale Public Safety cargo box with emergency supplies) at Ponderosa school is just within 100 feet range of the future T-mobile cell tower.

I have tried to send you the petition from Ponderosa Park Neighborhood Association to oppose T-mobile cell tower in Ponderosa park. The electronic copy of the petition didn't go through email to be sent to you correctly due to the large size of the attachment. I have made a CD with all petition pages and made a hard copy of all signed petition to send to you by mail. As you will see there are 156 signatures with contact information and 24 signatures without contact information collected from parents around Ponderosa Elementary School and Preschool around Ponderosa Park.

Thank you for processing these data from Ponderosa Park Neighborhood Association into city's planning decision making.

Sincerely,  
Mrs. Ling Chang



a concerned Sunnyvale citizen/parents from Ponderosa Park  
(h) 408-481-9326  
(email) ling.chang.0@gmail.com

RECEIVED  
JUL 11 2007  
PLANNING DIVISION

## Petition Against Cellular Towers in Ponderosa Park

We, the undersigned, oppose the installation of any cell phone antenna towers in Ponderosa Park, Sunnyvale for the following reasons:

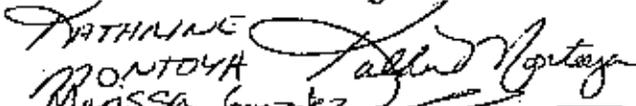
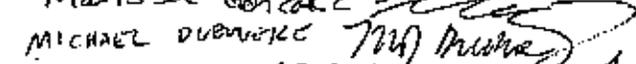
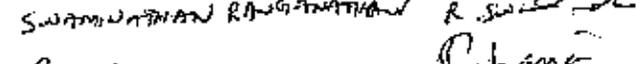
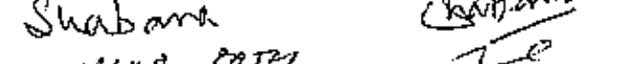
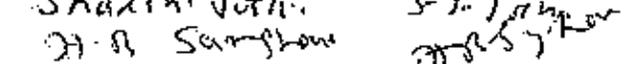
1. No proposed cell phone towers to be built within 200 feet of Ponderosa Preschool/Day Care and Ponderosa Elementary. These 3 to 10 year old children in school are there to learn but not to receive low-dose microwaves 5 to 9 hours per day, 5 days per week and 9 months per year.
2. Aesthetic reasons: No noisy, stiff, ugly fake tree cell phone towers and dangerous, space consuming, RF equipment in hard to access tight park setting Ponderosa neighborhood which decreases the property values around.
3. No need to duplicate coverage: As of May, 2007 T-Mobile salesmen are selling cell phone services with 3 to 4 bar coverage in the Ponderosa Park area according to their electronic coverage plot with your specific address as input.
4. Please consider assessment/collocation with the existing PG&E and cell phone towers. Both Sprint and Cingular have good cell phone coverage in the Ponderosa Park Area.
5. No Sunnyvale City Master Plan for the placement of cell towers into more appropriate zoned land such as light industrial or commercial areas to provide balanced and fair cellular service to the whole city and to prevent clustering of antennas in residential, school/park areas.

Date	Name	Signature	Contact Information
1. 5/18/07	Lilly Lee	<i>Lilly Lee</i>	
2. 5/18/07	EDMUND LEE	<i>Ed Lee</i>	
3. 5/18/07	ANDREW LEE	<i>Andrew Lee</i>	
4. 5/18/07	Paula Lee	<i>Paula Lee</i>	
5. 5/19/07	Hean Ngai	<i>Hean Ngai</i>	
6. 5/19/07	Fanny Ching	<i>Fanny Ching</i>	
7. 5/20/07	Heather Patton	<i>Heather Patton</i>	
8. 5/23/07	Billion Lee	<i>Billion Lee</i>	
9. 5/23/07	ZHO HAO CHEN	<i>Joe</i>	
10. 5/23/07	Steve Lee	<i>Steve Lee</i>	

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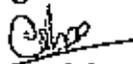
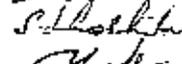
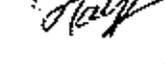
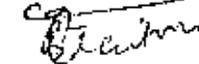
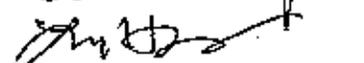
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2. Aesthetic reasons: No noisy, stiff, ugly fake tree cell phone towers and dangerous, space consuming, RF equipment in hard to access tight park setting Ponderosa neighborhood which decreases the property values around.
3. No need to duplicate coverage: As of May, 2007 T-Mobile salesmen are selling cell phone services with 3 to 4 bar coverage in the Ponderosa Park area according to their electronic coverage plot with your specific address as input.
4. Please consider assessment/collocation with the existing PG&E and cell phone towers. Both Sprint and Cingular have good cell phone coverage in the Ponderosa Park Area.
5. No Sunnyvale City Master Plan for the placement of cell towers into more appropriate zoned land such as light industrial or commercial areas to provide balanced and fair cellular service to the whole city and to prevent clustering of antennas in residential, school/park areas.

Date	Name	Signature	Contact Information
1. 5/18	KATHARINE MONTONA		
2. 5/18	MARISSA GONZALEZ		
3. 5/16	MICHAEL DUBOVIK		
4. 5/18	SWAMINATHAN RAJAGOPALAN		
5. 5/14	Shabana NAJIA PATEL		
6. 5/18	Stam Chau		
8. 5/16	Shalini Joshi		
9. 5/16	A. R. Suresh		
10. 5/16	Paulette Kelly		

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Date	Name	Signature	Contact Information
1.	Asha Hiriharan		
2.	Shastikala		
3.	Natalia Kisselov		
4.	C. M. Ullman		
5.	B. S. Venkatesh		
6.	Clara Cooper		
7.	Linda Hray		
8.			
9.			
10.			

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Date	Name	Signature	Contact Information
1. 5/18/07	Harprit Gill		
2. 5/19/07	Tim Johnsa		
3. 5/18/07	Barb Hamel		
4. 5/18/07	ANU DATTA		
5. 5/18/07	Sri Satyanarayanan		
6. 5/18/07	DILIP SANKHARVI		
7. 5/18/07	Don Brestin		
8. 5/18/07	Vishu Tantry		
9. 5/23/07	Jeff Okamoto		
10.			

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Date	Name	Signature	Contact Information
1. 5/4/07	RON McDONELL	<i>[Signature]</i>	1
2. 5/4/07	CHRISTYONS	<i>[Signature]</i>	C
3. 5/4/07	KIM DOLIM	<i>[Signature]</i>	K
4. 5/4/07	CECILIA HUYNH	<i>[Signature]</i>	C
5. 5/7/07	Karen Ferguson	<i>[Signature]</i>	P
6. 5-8-07	Claudia A Lopez	<i>[Signature]</i>	C
7. 5-8-07	Ivana ADATI	<i>[Signature]</i>	,
8. 5-8-07	Dina Schiller	<i>[Signature]</i>	
9. 5-8-07	Natalie Norton	<i>[Signature]</i>	
10. 5-8-07	Kaoru Ishiyama	<i>[Signature]</i>	

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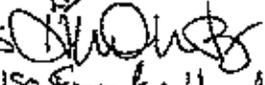
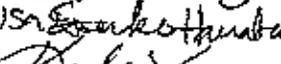
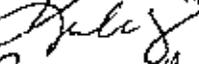
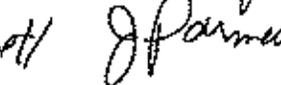
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Date	Name	Signature	Contact Information
1. 5/8/07	Genasieve Heywood		
2. 5/8/07	Jennifer Holt		
3. 5/8/07	Mary Khoury		
4. 5/8/07	Jeanette Parnett		
5. 5/8/07	Paula T. Bell		
6. 5/9/07	Monica D. McDowell		
7. 5/8/07	Rashmi Nandwant		
8. 5/9/07	Sheila Webb		
9. 5/9/07	Laura Wheeler		
10. 5/10/07	Linda Jessop		

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Date	Name	Signature	Contact Information
1. 5/14/07	Kimberly Torregano		
2. 5/14/07	Rashmi Mandwani		
3. 5/14/07	Heather Roberts		
4. 5/16/07	Etuko Heudusa		
5. 5/16/07	Karla Fonseca		
6. 5/17/07	Joanna Rempel		
7. 5/24/07	Joanette Parnot		
8.			
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5. No Sunnyvale City Master Plan for the placement of cell towers into more appropriate zoned land such as light industrial or commercial areas to provide balanced and fair cellular service to the whole city and to prevent clustering of antennas in residential, school/park areas:

Date	Name	Signature	Contact Information
1. 5/4	Minafo Stuedick	<i>Minafo Stuedick</i>	
2. "	Kayoko Matsumura	<i>Kayoko Matsumura</i>	
3. "	Kanako Tojo	<i>Kanako Tojo</i>	
4. 5/4	Hanna May	<i>Hanna May</i>	
5. 5/4	Yeon Warner	<i>Yeon Warner</i>	
6. 5/4	Madhavi Sudarasa	<i>Madhavi Sudarasa</i>	
7. 5/4	Jonahyn Urenda	<i>Jonahyn Urenda</i>	
8. 5/4	Lorna Seokio	<i>Lorna Seokio</i>	
9. 5/4	Annie Steward	<i>Annie Steward</i>	
10. 5/4	Wen Cathy Garden Callaway	<i>Wen Cathy Garden Callaway</i>	

**Petition Against Cellular Towers in Ponderosa Park**

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Date	Name	Signature	Contact Information
1. 5/4/07	Maria Martin	Maria Martin	
2. 5/4/07	Priya	Priya	
3. 5/4/07	BRUCE JOHNSON	B. Johnson	
4.			
5. 5/4/07	Kevin Allen	Kevin Allen	
6. 5/6/7	TERESA GOODE	Teresa Goode	
7. 5/6/7	REX CHOW	Rex Chow	
8. 05/6/07	TERRANIE PHILIPS	Terranie Philips	
9.			
10.			

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Date	Name	Signature	Contact Information
1.	I love celluar towers	<del>David</del>	
2.	5-18-07 Jesse	<del>David</del>	
3.	Ricky	Jesse	
4.	5-18-07 David Drappis	David	
5.	5/18/07		
6.	5/18/07		
7.	5/18/07 Carolyn	Carolyn	
8.	Melissa Lee	Melissa	
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Date	Name	Signature	Contact Information
1. 5/4/07	Akiko Nishikawa	<i>Akiko Nishikawa</i>	
2. 5.4.07	Hitomi Ota	<i>hitomibla</i>	
3. 5.9.07	Achana	<i>Achana</i>	
4. 5-4-07	Kristin Earnham	<i>Kristin Earnham</i>	
5. 5-4-07	Patricia Finnegan	<i>Patricia Finnegan</i>	
6. 5-4-07	LINDA KNAPP	<i>Linda Knapp</i>	
7. 5.4.07	Adriana Hartley	<i>Adriana Hartley</i>	
8. 5.4.07	Christine Verb	<i>Christine Verb</i>	
9. 5-4-07	Kris Sheridan	<i>Kris Sheridan</i>	
10. 5-4-07	Mark Beasley	<i>Mark Beasley</i>	

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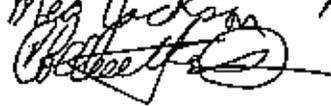
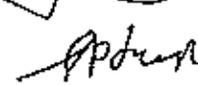
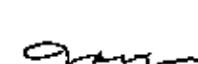
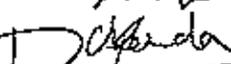
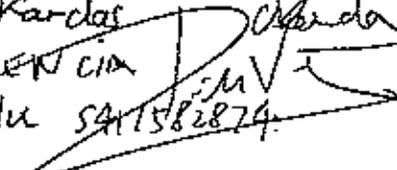
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Date	Name	Signature	Contact Information
1. 5/4	Teresa Wong	<i>Teresa Wong</i>	
2. 5/4	Kim Nelson	<i>Kim Nelson</i>	
3.	Vivian Linda	<i>Vivian Linda</i>	
4. 5/4	M. Pilar Hasleton	<i>M. Pilar Hasleton</i>	
5. 5/4	Lisa Ross	<i>Lisa Ross</i>	
6. 5/4	Toni Allen	<i>Toni Allen</i>	
7. 5/4	Tami Lynne	<i>Tami Lynne</i>	
8. 5/4	Brenda Jew	<i>Brenda Jew</i>	
9. 5/4	Sobhyun Kwon	<i>Sobhyun Kwon</i>	
10. 7/4	ALICIA HALEAZ	<i>Alicia Haleaz</i>	
11 5/4	NELLY MARINOYA	<i>Nelly Marinoya</i>	

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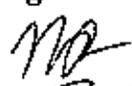
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Date	Name	Signature	Contact Information
1. 5/3/07	Meg Jackson	Meg Jackson	Ponderosa
2. 5/3/07	Collan Yamada		
3. 5/3/07	Pasha Loh		
4. 5/4/07	Jae Chung		
5. 5/16/07	Nicolas Kardos		Ponderosa
6. 5/16/07	RENE VALENCIA		
7. 5/16/07	Shidong-Hu	541582874	
8.			
9.			
10.			

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Date	Name	Signature	Contact Information
1. 5/18/07	Gunk War		
2. 5/22/07	Zhong Shen		
3.			
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Date	Name	Signature	Contact Information
1. 5/2/07	Huan-Ting Jen		
2. 5/4/07	Yujuan Cheng		
3. 5/4/07	Minjie Li		
4. 5/4/07	Ling Sun		
5. 5/4/07	Guangshu Guo		
6. 5/4/07	Kaom Vi		
7. 5/4/07	Akemi Y.		
8. 5/4/07	Debra		
9. 5/4/07	Miwa Koyama		
10. 5/4/07	Diane Krywe		

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Date	Name	Signature	Contact Information
1. 5/4/07	Marilyn Kiewer	<i>M. Kiewer</i>	
2. 5/4/07	Guadalupe Ortiz	<i>Guadalupe Ortiz</i>	
3. 5/4/07	Josefina Torres	<i>Josefina Torres</i>	
4. 5/4/07	Cecilia Hernández	<i>Cecilia Hernández</i>	
5. 5/4/07	Valerie Kenaley	<i>Valerie Kenaley</i>	
6. 5/4/07	Mi Young	<i>Mi Young</i>	
7. 5/4/07	Kate Foster	<i>Kate Foster</i>	
8. 5/4/07	Sooyeon Kim	<i>Sooyeon Kim</i>	
9. 5/4/07	Mary Han	<i>Mary Han</i>	
10. 5/4/07	Rakhi	<i>Rakhi</i>	

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Date	Name	Signature	Contact Information
1. 05.04.2007	Laurena Berbesson	<i>Laurena Berbesson</i>	
2. "	Donna Saar	<i>Donna Saar</i>	
3. 5/4/07	Stacey Wolfe	<i>Stacey Wolfe</i>	
4. 5-4-07	Eric Wilcox	<i>Eric Wilcox</i>	
5. 5.4.07	Lori Passet	<i>Lori Passet</i>	
6. 5/4/07	Mary Nuttall	<i>Mary Nuttall</i>	
7. 5/4/07	Terry Ferguson	<i>Terry Ferguson</i>	
8. 5/4/07	Christina Medise	<i>Christina Medise</i>	
9. 05/04/07	Latee Patis	<i>Latee Patis</i>	
10. 05/04/07	P.J. HASLETON	<i>P.J. Hasleton</i>	

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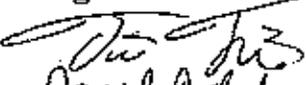
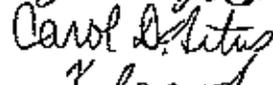
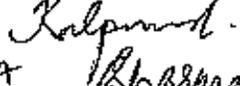
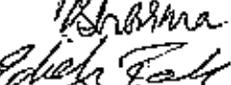
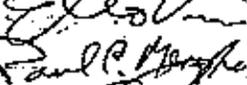
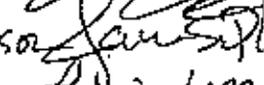
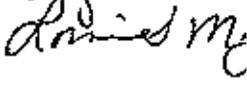
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Date	Name	Signature	Contact Information
1. 5/23/07	Betty B. Mark	Betty B. Mark	Betty B. Mark
2. 5/23/2007	ALITHA MARK	Alitha Mark	Alitha Mark
3. 5/23/2007	Hashanthi Perera	Hashanthi Perera	Hashanthi Perera
4.			
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Date	Name	Signature	Contact Information
1. 6/6/07	TIM TINS		
2. 6/6/07	CAROL TINS		
3. 6/6/07	KALPANA R.		
4. 6/6/07	POOJA SHARMA		
5. 6/6/07	Edith Falk		
6. 6/6/07	Elio Viramanta Jr.		
7. 6/6/07	PAUL MEGHER		
8. 6/6/07	Eric Megher		
9. 6/7/07	Jane Phillips		
10. 6/7/07	Lorraine May		

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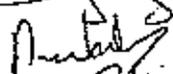
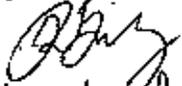
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Date	Name	Signature	Contact Information
1. 5-18-07	Russell Davis	<i>[Signature]</i>	
2. 5-19-07	Garret Higa	<i>[Signature]</i>	
3. 5-19-07	Deborah Ho	<i>[Signature]</i>	
4. 5/19/07	Busta Yee	<i>[Signature]</i>	
5. 5-19-07	Peter Dahl	<i>[Signature]</i>	
6. 5-19-07	Teal Pederson	<i>[Signature]</i>	
7. 5-19-07	Dhar Kulkarni	<i>[Signature]</i>	
8. 5-19-07	Thomas Wong	<i>[Signature]</i>	
9. 5-19-07	Mayur Chitambar	<i>[Signature]</i>	
10. 5/19/07	KISHORE KIRKATHA	<i>[Signature]</i>	

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Date	Name	Signature	Contact Information
1. 5/18/07	GAY GARGAL		
2. 5/19/07	PRANASH S		
3. 5/18/07	BOYING GARGAL		
4. 05/18/07	ANUPAMA VIBHAWASH		
5. 05/19/07	GANGADHAR REDDY		
6.			
7.			
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**Petition Against Cellular Towers in Ponderosa Park**

We, the undersigned, oppose the installation of any cell phone antenna towers in Ponderosa Park, Sunnyvale for the following reasons:

1. No proposed cell phone towers to be built within 200 feet of Ponderosa Preschool/Day Care and Ponderosa Elementary. These 3 to 10 year old children in school are there to learn but not to receive low-dose microwaves 5 to 9 hours per day, 5 days per week and 9 months per year.
2. Aesthetic reasons: No noisy, stiff, ugly fake tree cell phone towers and dangerous, space consuming, RF equipment in hard to access tight park setting Ponderosa neighborhood which decreases the property values around.
3. No need to duplicate coverage: As of May, 2007 T-Mobile salesmen are selling cell phone services with 3 to 4 bar coverage in the Ponderosa Park area according to their electronic coverage plot with your specific address as input.
4. Please consider assessment/collocation with the existing PG&E and cell phone towers. Both Sprint and Cingular have good cell phone coverage in the Ponderosa Park Area.
5. No Sunnyvale City Master Plan for the placement of cell towers into more appropriate zoned land such as light industrial or commercial areas to provide balanced and fair cellular service to the whole city and to prevent clustering of antennas in residential, school/park areas.

Date	Name	Signature	Contact Information
1. 05/04/07	Pauline Shinkawa	<i>Pauline Shinkawa</i>	
2. 5/4/07	Donna Meire	<i>Donna Meire</i>	
3. 5/4/07	Jim ZAZKAWSKI	<i>Jim Zazkowski</i>	
4. 5/16/07	Nam Blackmon	<i>Nam Blackmon</i>	
5. 5/16/07	Guy Blackmon	<i>Guy Blackmon</i>	
6. 5/16/07	Derek Feyer	<i>Derek Feyer</i>	
7. <del>5/16/07</del>	Jordan Deak	<i>Jordan Deak</i>	
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Date	Name	Signature	Contact Information
1. 6/5/07	Wei Feng		manian.feng@gmail.com
2.			
3.			
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# Marvair

AIRXCEL, Inc.

P.O. Box 400 · Cordele, Georgia 31010-0400

(229) 273-3636 · Fax (229) 273-5154

[www.marvair.com](http://www.marvair.com)

## Marvair Sound Data “AVP Models”

The tabulated sound level data was taken directly in line with the front of the condenser coil / condenser air outlets of each wall – mount air conditioner. The meter was placed approximately 70 degrees up from horizontal.

The tabulated data has not been corrected with respect to background noise.

All measured sound levels have been rounded to the nearest decibel.

The value contained in the tabulated data should be viewed as approximate / reference values only. Actual values may vary with each situation .

Randy Cliett  
Project Engineer

PROPOSED AIR CONDITIONING UNIT MODEL TYPE AT PONDEROSA  
PARK (T-MOBILE)

TEST MODEL: AVP24ACATEST DATE: 03/16/00DISTANCE FROM UNIT  
"FEET"

5

10

20

30

40

50

60

SOUND LEVEL

"dBA"

66

61

56

53

51

50

49

BACKGROUND: 39 - 49 dBA