**SUBJECT:** Michelle Weller for AT&T [Applicant] Business Ventures, LLC [Owner]: Application for a Special Development Permit to allow a new wireless telecommunication facility (60’ slime-line tower) with 9 panel antennas and associated ground equipment. The property is located at **1225 Innsbruck Drive** (near East Moffett Park Drive and Lawrence Expressway) in the MP- TOD (Moffett Park Transit Oriented Development) Zoning District.

**Motion:** **2010-7706:** Use Permit to allow the construction of a new wireless telecommunication facility.

**REPORT IN BRIEF:**

<table>
<thead>
<tr>
<th>Existing Site Conditions</th>
<th>Research and Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surrounding Land Uses</td>
<td></td>
</tr>
<tr>
<td>North</td>
<td>Research and Development</td>
</tr>
<tr>
<td>South</td>
<td>Research and Development</td>
</tr>
<tr>
<td>East</td>
<td>Research and Development</td>
</tr>
<tr>
<td>West</td>
<td>Research and Development</td>
</tr>
</tbody>
</table>

**Issues**

- Design

**Environmental Status**

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

**Staff Recommendation**

Approve with conditions
VICINITY MAP

2010-7706
1225 Innsbruck Dr. (APN: 110-34-003)
Special Development Permit
PROJECT DATA TABLE

<table>
<thead>
<tr>
<th></th>
<th>EXISTING</th>
<th>PROPOSED</th>
<th>REQUIRED/PERMITTED</th>
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</thead>
<tbody>
<tr>
<td>General Plan</td>
<td>Moffett Park Specific Plan</td>
<td>Same</td>
<td>Moffett Park Specific Plan</td>
</tr>
<tr>
<td>Zoning District</td>
<td>MP-TOD (Moffett Park Transit Oriented Development)</td>
<td>Same</td>
<td>MP-TOD (Moffett Park Transit Oriented Development)</td>
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<tr>
<td>Lot Size (sf)</td>
<td>1.45 acres</td>
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<tr>
<td>Height of Existing Antenna Pole</td>
<td>N/A</td>
<td>60’ to top of pole</td>
<td>75’</td>
</tr>
</tbody>
</table>

Antenna Setbacks

- Front: N/A 210’ 15’ min.
- Left Side: N/A 19’ 20’ total
- Right Side: N/A 219’
- Rear: N/A 10’ None

Parking: 86 84 Minimum 43 Maximum 87

★ Starred items indicate noncompliance with Zoning Code requirements not support by staff.

DISCUSSION:

Background
The proposed project is a request to allow the construction of a new wireless telecommunication slim pole tower. The proposed tower and associated equipment would be located where the existing trash enclosure is and the existing enclosure would be relocated requiring the loss of two additional spaces. The height of the proposed structure would be 60’ (to the top of the structure) and it would accommodate nine panel antennas. The proposed ground equipment would include an enclosed shelter which would accommodate a switching station, batteries and other associated equipment.

Requested Permit(s)
The applicant is requesting a Special Development Permit (SDP) to allow the construction of a new wireless telecommunication facility. The proposed facility would accommodate up to nine panel antennas and associated ground equipment.
• **Special Development Permit**

A SDP is required for all new freestanding wireless telecommunications facilities. This SDP would allow AT&T to improve service to the immediate area, based on the submitted coverage maps. Wireless communication uses are common in the City and this facility meets the requirements of the Federal Communications Commission for radio frequency emissions.

**ANALYSIS:**

**Development Standards**

The proposed project, as conditioned, complies with the applicable Development Standards as set forth in the Sunnyvale Municipal Code. The following items are those items that have been typically requested for clarification by the Planning Commission:

• **Site Layout**

  **Trash Enclosure** - The existing trash enclosure is proposed to be relocated approximately 4 feet to the north to allow room for the new telecommunication facility. The relocated trash enclosure would replace two existing parking spaces. The enclosure is proposed to have a solid masonry wall and slatted chain-link gates. The relocation of the trash enclosure would result in a total of 84 parking spaces at the site which complies with the requirements of the Zoning Code.

  **Tower** - The new tower is proposed to be located in the southwest corner of the site, within a new fenced equipment area. The location of the proposed tower complies with the setback requirements of the Zoning District (see Attachment D). The tower will have a maximum height of 60 feet and a diameter of two feet four inches. The nine antennas will be vertically stacked in groups of three to provide service to each sector. The antennas will be hidden behind an antenna screen. The proposed location results in minimal disturbance to the site.

  **Ground Equipment** – The proposed ground equipment will be located behind a new fenced area and within a new equipment shelter adjacent to the new tower. The proposed fencing will be six feet high and constructed of cement block. The gates will be slatted chain-link. The new equipment shelter will be approximately 11 feet 6 inches tall and approximately 200 square feet.
• **Design**

The proposed telecommunication tower will be a slimline tower, which is a long cylindrical tower with the antennas mounted closely together at the center tower. A screen is added over the vertically stacked antennas to hide the antennas from view. The tower and screen are generally painted a light color. Often the light colors tend to be more visible, depending on their surroundings. Since the site has taller vegetation around in the area, staff has added a condition requiring the tower to be painted a dark matte green color with a low light reflectivity value. The colors will be subject to review by staff prior to the issuance of building permit. This should assist in blending it the tower in with the surrounding material.

In addition to the color the proposed tower, staff has included the following conditions to provide additional screening of the associated equipment and relocated trash enclosure:

- The parking space on the east side of the enclosure shall be changed to a landscape bed with a minimum of two 15 gallon evergreen trees (Podocarpus Gracilior) and ground cover to be planted within the new bed. All irrigation will be connected to the existing irrigation system. The additional landscaping will require the loss of one additional parking space, down to 83 spaces. The additional landscaping will screen the enclosure, equipment shed and the lower portion of the tower.

- The doors for the equipment shelter and trash enclosure shall be solid steel doors.

- The equipment shelter and trash enclosures (including doors) shall be painted to match the existing building.

- The tower shall be maintained and painted regularly to avoid the appearance of deteriorated paint (chipping and flaking). A schedule may be proposed by the applicant and included on the building permit plans.

• **Parking/Circulation**

The proposed project, as conditioned, will result in the loss of three parking spaces. There will be 83 parking spaces available for the tenant of the site, which complies with the requirements of the Zoning Code.

• **Landscaping and Tree Preservation**

The proposed location will not result in the loss of protected trees. However, construction will result in the disturbance of existing landscaped areas. A condition has been included requiring a landscape planting plan to restore any disturbed area.
Wireless Telecommunications Ordinance

The following sections of the Wireless Telecommunication Ordinances of the Sunnyvale Municipal Code apply to the proposed project:

19.54.140(a) – Wherever technically feasible, wireless telecommunication service providers are encouraged to co-locate telecommunication facilities in order to reduce adverse visual impacts; however, the city discourages the development of “antenna farms” or the clustering of multiple antennas on a single monopole, tower or other elevation, unless the site is determined to be suitable based on the following factors:

(1) Compliance with all FCC RF emission standards;
   • This project meets all FCC RF emissions standards.

(2) Visibility from residentially zoned property;
   • The recommended conditions of approval would result in screened antennas and it would be placed approximately 250 feet from the from property line. The proposed structure will be visible from Innsbruck Drive, however, the darker paint color and additional landscaping will provide screening of the facility.

(3) Visibility from El Camino Real or the right of way of a freeway, expressway or other major arterial street;
   • This project facility will not be visible from the above listed corridors.

(4) Visibility from the Downtown Specific Plan area or other areas declared by the Director of Community Development to be visually sensitive; and
   • This project is not visible from the Downtown Specific Plan area or other areas identified in the Telecommunications code as being sensitive.

(5) Lack of aesthetically preferable feasible alternatives.
   • The area needing coverage is predominately one story structures. A height of approximately 60 feet is needed in order to provide coverage for the area. The use of the existing structures is prohibitive due to the low profile.

Environmental Review

A Negative Declaration has been prepared in compliance with the California Environmental Quality Act 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).
FISCAL IMPACT

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

PUBLIC CONTACT

At the time of this staff report, Staff has not received any comments from members of the public regarding this application.

<table>
<thead>
<tr>
<th>Notice of Negative Declaration and Public Hearing</th>
<th>Staff Report</th>
<th>Agenda</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Published in the <em>Sun</em> newspaper</td>
<td>• Posted on the City of Sunnyvale's Website</td>
<td>• Posted on the City's official notice bulletin board</td>
</tr>
<tr>
<td>• Posted on the site</td>
<td>• Provided at the Reference Section of the City of Sunnyvale's Public Library</td>
<td>• City of Sunnyvale's Website</td>
</tr>
<tr>
<td>• 16 notices mailed to the property owners and tenants within 300 ft. of the project site</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CONCLUSION

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

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

ALTERNATIVES

1. Approve the Special Development Permit with the Recommended Conditions of Approval found in Attachment B.

2. Approve the Special Development Permit with modified Conditions of Approval.

3. Deny the Special Development Permit.
RECOMMENDATION

Recommend Alternative 1 to the Planning Commission: Approve the Special Development Permit with the Recommended Conditions of Approval found in Attachment B.

Prepared by:

Shaunn Mendrin, AICP
Project Planner

Reviewed by:

Steve Lynch, AICP
Senior Planner

Attachments:

A. Recommended Findings
B. Recommended Conditions of Approval
C. Initial Study
D. Site and Architectural Plans
E. Coverage maps
F. Photosimulation
G. RF Study
RECOMMENDED FINDINGS

Findings - Special Development Permit

1. The proposed use attains the objectives and purposes of the General Plan of the City of Sunnyvale as SMC requires that the location of such facilities be designed with sensitivity to the surrounding areas. The proposed facility, as conditioned, will result in antennas screened from public view through the use of screen materials, paint and additional landscaping. Staff considers the application for the proposed facility to be consistent with the goals and policies of the Telecommunication Policy adopted by the City of Sunnyvale in June of 1996.

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. As conditioned, the proposed location meets the visual standards established by the City of Sunnyvale for telecommunication facilities. The project also meets all FCC RF emissions standards.

Council Policy Manual: Telecommunications (7.2.16)

The City of Sunnyvale’s Council Policy Manual (CPM) is a compendium of policies established by City Council resolution or motion which provide guidelines for current or future City action. Such policies, when implemented, assist in achieving General Plan goals.

- **Policy Statement 1.A.5** - Support retention of local zoning authority for cellular towers, satellite dish antennas, and other telecommunications equipment, facilities and structures.
- **Policy Statement 2** - Promote universal access to telecommunications services for all Sunnyvale residents.

The proposed facility will be designed and sited appropriately through the City’s zoning authority as conditioned and the facility will provide improved telecommunication services in an area that is underserved.
Planning Application 2010-7706
1225 Innsbruck Drive
Special Development Permit to allow a new wireless telecommunication facility (60’ slime-line tower) with 9 panel antennas and associated ground equipment.

The following Conditions of Approval [COA] and Standard Development Requirements [SDR] apply to the project referenced above. The COAs are specific conditions applicable to the proposed project. The SDRs are items which are codified or adopted by resolution and have been included for ease of reference, they may not be appealed or changed. The COAs and SDRs are grouped under specific headings that relate to the timing of required compliance. Additional language within a condition may further define the timing of required compliance. Applicable mitigation measures are noted with “Mitigation Measure” and placed in the applicable phase of the project.

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 and Standard Development Requirements of this Permit:

**GC: THE FOLLOWING GENERAL CONDITIONS AND STANDARD DEVELOPMENT REQUIREMENTS SHALL APPLY TO THE APPROVED PROJECT.**

**GC-1.** CONFORMANCE WITH APPROVED PLANNING APPLICATION:
All building permit drawings and subsequent construction and operation shall substantially conform with the approved planning application, including: drawings/plans, materials samples, building colors, and other items submitted as part of the approved application. Any proposed amendments to the approved plans or Conditions of Approval are subject to review and approval by the City. The Director of Community Development shall determine whether revisions are considered major or minor. Minor changes are subject to review and approval by the Director of Community Development. Major changes are subject to review at a public hearing. [COA] [PLANNING]

**GC-2.** COMPLY WITH APPLICABLE REGULATIONS:
The 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. [SDR] [PLANNING]

GC-3.  PERMIT EXPIRATION:
The 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 and is approved by the Director of Community Development. [SDR] (PLANNING)

GC-4.  TESTING WITHIN 15 DAYS:
The applicant shall test any wireless telecommunications site installed in the City of Sunnyvale within 15 days of operating the tower. The test shall confirm that any Emergency 911 wireless call made through the wireless telecommunications site shall provide Enhanced 911 capability (including phase 2 information when available from the caller's device) and direct the call to the City of Sunnyvale Department of Public Safety dispatcher, ensuring phase 2 information is transferred. If the call is to be directed elsewhere pursuant to State and Federal law the applicant shall ensure that the Enhanced 911 information transfers to that dispatch center. This capability shall be routinely tested to ensure compliance as long as the approved wireless telecommunications site is in service. [SDR] [PLANNING]

GC-5.  HOLD HARMLESS:
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. [SDR] [PLANNING]

GC-6.  LIABILITY:
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 include any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals, and waste. Waste includes materials to be recycled, reconditioned or reclaimed. [SDR] [PLANNING]

GC-7. NO THREAT TO PUBLIC HEALTH:
The facility shall not 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, the subject facility and the combination of on-site facilities shall not 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 federal government. [SDR] [PLANNING]

PS: THE FOLLOWING CONDITIONS SHALL BE MET PRIOR TO SUBMITTAL OF BUILDING PERMIT AND/OR GRADING PERMIT.

PS-1. REQUIRED REVISIONS TO PROJECT PLANS:
The plans shall be revised to address comments from the Planning Commission and shall be subject to review by the Director of Community Development. Required revision include the following:

a) The tower shall be painted a dark matte green color with a low light reflectivity value. The colors will be subject to review by staff prior to the issuance of building permit.

b) The parking space on the east side of the enclosure shall be changed to a landscape bed with a minimum of two 15 gallon evergreen trees (Podocarpus Gracilior) and ground cover to be planted within the new bed. All irrigation will be connected to the existing irrigation system. The additional landscaping will require the loss of one additional parking space, down to 83 spaces. The additional landscaping will screen the enclosure, equipment shed and the lower portion of the tower.

c) The doors for the equipment shelter and trash enclosure shall be solid steel doors.

d) The equipment shelter and trash enclosures (including doors) shall be painted to match to match the existing building.

e) The tower shall be maintained and painted regularly to avoid the appearance of deteriorated paint (chipping and flaking). A schedule may be proposed by the applicant and included on the building permit plans. [COA] [PLANNING]
BP: THE FOLLOWING CONDITIONS SHALL BE ADDRESSED ON THE
CONSTRUCTION PLANS SUBMITTED FOR ANY DEMOLITION PERMIT,
BUILDING PERMIT, GRADING PERMIT, AND/OR ENCROACHMENT PERMIT
AND SHALL BE MET PRIOR TO THE ISSUANCE OF SAID PERMIT(S).

BP-1. CONDITIONS OF APPROVAL:
Final plans shall include all Conditions of Approval included as part
of the approved application starting on sheet 2 of the plans. [COA]
[PLANNING]

BP-2. LANDSCAPE PLANTING AND TREE PROTECTION PLAN:
Final plans shall include a landscape planting plan to restore the
disturbed area and add additional plantings providing screening of
the equipment shelter and a tree protection plan for the remaining
trees adjacent to the disturbed area. [COA] [PLANNING]

BP-3. RESPONSE TO CONDITIONS OF APPROVAL:
A written response indicating how each condition has or will be
addressed shall accompany the building permit set of plans. [COA]
[PLANNING]

BP-4. NOTICE OF CONDITIONS OF APPROVAL:
A Notice of Conditions of Approval shall be filed in the official records
of the County of Santa Clara and provide proof of such recordation to
the City prior to issuance of any City permit, allowed use of the
property, or Final Map, as applicable. The Notice of Conditions of
Approval shall prepared by the Planning Division and shall include a
description of the subject property, the Planning Application number,
attached conditions of approval and any accompanying subdivision or
parcel map, including book and page and recorded document
number, if any, and be signed and notarized by each property owner
of record.

For purposes of determining the record owner of the property, the
applicant shall provide the City with evidence in the form of a report
from a title insurance company indicating that the record owner(s) are
the person(s) who have signed the Notice of Conditions of Approval.
[COA] [PLANNING]

BP-5. BLUEPRINT FOR A CLEAN BAY:
The building permit plans shall include a “Blueprint for a Clean Bay”
on one full sized sheet of the plans. [SDR] [PLANNING]
PF: THE FOLLOWING CONDITIONS SHALL BE ADDRESSED ON THE CONSTRUCTION PLANS AND/OR SHALL BE MET PRIOR TO RELEASE OF UTILITIES OR ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

PF-1. LANDSCAPING AND IRRIGATION:
   a) All landscaping and irrigation as contained in the approved building permit plan shall be installed and connected to the existing irrigation system prior to occupancy. [COA] [PLANNING]

PF-2. RF EMISSIONS STUDIES:
The applicant shall submit to the Director of Community Development Radio Frequency Emissions at least two reports of field measurements 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. [COA] [PLANING]

DC: THE FOLLOWING CONDITIONS SHALL BE COMPLIED WITH AT ALL TIMES DURING THE CONSTRUCTION PHASE OF THE PROJECT.

DC-1. BLUEPRINT FOR A CLEAN BAY:
The project shall be in compliance with stormwater best management practices for general construction activity until the project is completed and either final occupancy has been granted. [SDR] [PLANNING]

DC-2. TREE PROTECTION:
All tree protection shall be maintained, as indicated in the tree protection plan, until construction has been completed and the installation of landscaping has begun. [COA] [PLANNING]

AT: THE FOLLOWING CONDITIONS SHALL BE COMPLIED WITH AT ALL TIMES THAT THE USE PERMITTED BY THIS PLANNING APPLICATION OCCUPIES THE PREMISES.

AT-1. CERTIFICATION:
Before January 31 of each even numbered year following the issuance of any authorizing establishment of a wireless telecommunication facility, an authorized representative for each wireless carrier providing service in the City of Sunnyvale shall provide written certification to the City executed under penalty of perjury that (i) each facility is being operated in accordance with the approved local and federal permits and includes test results that
confirm the facility meets city noise requirements and federal RF emissions standards; (ii) each facility complies with the then-current general and design standards and is in compliance with the approved plans; (iii) whether the facility is currently being used by the owner or operator; and (iv) the basic contact and site information supplied by the owner or operator is current. [SDR] [PLANNING]

AT-2. 10 YEAR RENEWAL:
Every owner or operator of a wireless telecommunication facility shall renew the facility permit at least every ten (10) years from the date of initial approval. If a permit or other entitlement for use is not renewed, it shall automatically become null and void without notice or hearing ten (10) years after it is issued, or upon cessation of use for more than a year and a day, whichever comes first. Unless a new use permit or entitlement of use is issued, within one hundred twenty (120) days after a permit becomes null and void all improvements, including foundations and appurtenant ground wires, shall be removed from the property and the site restored to its original pre-installation condition within one hundred eighty (180) days of nonrenewal or abandonment. [SDR] [PLANNING]

AT-3. MINIMIZE NOISE:
The facility shall be operated in such a manner so as to minimize any possible disruption caused by noise. Backup 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. At no time shall equipment noise from any source exceed an exterior noise level of 60 dB at the property line. [SDR] [PLANNING]

AT-4. RF EMISSIONS:
Certification must be provided that the proposed facility will at all times comply with all applicable health requirements and standards pertaining to RF emissions. [SDR] [PLANNING]

AT-5. MAINTAIN CURRENT INFORMATION:
The owner or operator shall maintain, at all times, a sign mounted on the outside fence showing the operator name, site number and emergency contact telephone number. The owner or operator of the facility shall also submit and maintain current at all times basic contact and site information on a form to be supplied by the city. The 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. [SDR] [PLANNING]

AT-6. **GOOD REPAIR:**
All facilities and related equipment, including lighting, fences, shields, cabinets, and 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. [SDR] [PLANNING]

AT-7. **RESPONSIBILITY TO MAINTAIN:**
The owner or operator of the facility shall routinely and regularly inspect each site to ensure compliance with the standards set forth in the Telecommunications Ordinance. [SDR] [PLANNING]

AT-8. **NO INTERFERENCE WITH CITY COMMUNICATION SYSTEMS:**
The facility operator shall be strictly liable for interference caused by the facility 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. [SDR] [PLANNING]
NOTICE OF INTENT TO ADOPT A
MITIGATED NEGATIVE DECLARATION

This form is provided as a notification of an intent to adopt a Mitigated Negative Declaration which has been prepared in compliance with the provisions of the California Environmental Quality Act of 1970, as amended, and Resolution #118-04.

PROJECT TITLE:
Application for a Special Development Permit filed by AT&T.

PROJECT DESCRIPTION AND LOCATION (APN):
2010-7706: AT&T [Applicant] Business Ventures LLC [Owner] Application for a Special Development Permit to allow a wireless telecommunication facility for a new 60' monopole with 9 antennas located at 1225 Innsbruck Drive. (APN: 110-34-003) SME

WHERE TO VIEW THIS DOCUMENT:
The Mitigated 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 Mitigated Negative Declaration may be protested in writing by any person prior to 5:00 p.m. on Monday, May 23, 2011. 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 Mitigated 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, May 23, 2011 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 April 29, 2011

Signed: Gerri Caruso, Principal Planner
<table>
<thead>
<tr>
<th>Project Title</th>
<th>AT&amp;T at 1225 Innsbruck Drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Agency Name and Address</td>
<td>City of Sunnyvale</td>
</tr>
<tr>
<td></td>
<td>P.O. Box 3707, Sunnyvale, CA 94088-3707</td>
</tr>
<tr>
<td>Contact Person</td>
<td>Shaunn Mendrin, Senior Planner</td>
</tr>
<tr>
<td>Phone Number</td>
<td>(408) 730-7659</td>
</tr>
<tr>
<td>Applicant's Name</td>
<td>Michelle Weller (for ATT&amp;T)</td>
</tr>
<tr>
<td>Project Address</td>
<td>1225 Innsbruck Drive</td>
</tr>
<tr>
<td>Zoning</td>
<td>MP-TOD</td>
</tr>
<tr>
<td>General Plan</td>
<td>Moffett Park Specific Plan</td>
</tr>
<tr>
<td>Other Public Agencies whose approval is required</td>
<td>N/A</td>
</tr>
</tbody>
</table>

DESCRIPTION OF THE PROJECT: The proposed project is a new wireless telecommunications tower for AT&T Wireless with a total height of 60 feet to be located at 1225 Innsbruck Drive. The proposed wireless telecommunications tower will accommodate 12 antennas within a slimline tower and associated ground equipment. The proposed slimline tower would be a maximum of 2'4" in diameter.

The proposed telecommunications facility is subject to Federal Communications Commission (FCC) limits and standards for human exposure to radio frequency (RF) emissions. The applicant has submitted a RF exposure study, indicating compliance with these Federal requirements.

DETAILED PROJECT DESCRIPTION:

On-site Development: The site currently zoned for industrial and office uses is currently occupied by an industrial use. The proposed development will involve minimal ground disturbance for construction of footings and support for the slimline tower and trenching to connect associated equipment and relocation of the existing solid waste facility.

Construction Activities and Schedule: Construction is anticipated to begin in early July 2011 and will take approximately 60 days to complete.

Surrounding Uses and Setting: The site is surrounded by industrial development.

Off-site Improvements: No off-site improvements are proposed as part of the project.
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. 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.

3. 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.

4. “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).

5. 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:

6. Earlier Analysis Used. Identify and state where they are available for review.

7. 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.

8. 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.

9. 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.
ENVIROMENTAL 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.

☐ Aesthetics
☐ Agricultural Resources
☐ Air Quality
☐ Biological Resources
☐ Cultural Resources
☐ Geology/Soils
☐ Hazards & Hazardous Materials
☐ Hydrology/Water Quality
☐ Land Use/Planning
☐ Mineral Resources
☐ Noise
☐ Population/Housing
☐ Public Services
☐ Recreation
☐ Transportation/Traffic
☐ Utilities/Service Systems
☐ Mandatory Findings of Significance

MANDATORY FINDINGS OF SIGNIFICANCE (see checklist for further information):

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? ☐ Yes ☐ No

Mandatory Findings of Significance? 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)? ☐ Yes ☐ No

Mandatory Findings of Significance? Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? ☐ Yes ☐ No
DETERMINATION:
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.

Checklist Preparer: Shaun Mendrin, AICP
Title: Senior Planner
Signature: [Signature]
Date: 04/29/2011
City of Sunnyvale
<table>
<thead>
<tr>
<th>Planning</th>
<th>Potentially Significant Impact</th>
<th>Less Than Significant Mitigation</th>
<th>Less Than Significant</th>
<th>No Impact</th>
<th>Source Other Than Project Description and Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aesthetics - Substantially damage scenic resources, including, but not limited to trees, historic buildings?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Sunnyvale General Plan Map, Open Space Sub-element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
</tr>
<tr>
<td>2. Aesthetics - Substantially degrade the existing visual character or quality of the site and its surroundings including significant adverse visual changes to neighborhood character?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
<td>Sunnyvale General Plan Map, Open Space Sub-element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
</tr>
<tr>
<td>3. Aesthetics - Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
<td>Sunnyvale General Plan Map, Open Space Sub-element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
</tr>
<tr>
<td>4. Population and Housing - 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), in a way that is inconsistent with the Sunnyvale General Plan?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
<td>Sunnyvale Land Use and Transportation Element of the General Plan, General Plan Map <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
</tr>
<tr>
<td>5. Population and Housing - Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
<td>Sunnyvale Land Use and Transportation Element and General Plan Map <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
</tr>
<tr>
<td>6. Population and Housing - Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
<td>Sunnyvale General Plan Map <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
</tr>
<tr>
<td>7. Land Use Planning - Physically divide an established community?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>☐</td>
<td>Sunnyvale General Plan Map <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
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<tr>
<td>Planning</td>
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<tr>
<td>10. Hazards and Hazardous Materials - For a project located the Moffett Field AICUZ or 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?</td>
<td>☐  ☐  ☐  ☑</td>
<td>☐  ☐  ☐  ☑</td>
<td>☑  ☐  ☐  ☐</td>
<td>Moffett Field AICUZ, Sunnyvale Zoning Map, Sunnyvale General Plan Map <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
<td></td>
</tr>
<tr>
<td>11. Hazards and Hazardous Materials - 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?</td>
<td>☐  ☐  ☐  ☑</td>
<td>☐  ☐  ☐  ☑</td>
<td>☑  ☐  ☐  ☐</td>
<td>There are no private airstrips in or in the vicinity of Sunnyvale</td>
<td></td>
</tr>
<tr>
<td>12. Hazards and Hazardous Materials - For a project within the vicinity of Moffett Federal Airfield, would the project result in a safety hazard for people residing or working in the project area?</td>
<td>☐  ☐  ☐  ☑</td>
<td>☐  ☐  ☐  ☑</td>
<td>☑  ☐  ☐  ☐</td>
<td>Moffett Field AICUZ, Sunnyvale Zoning Map, Sunnyvale General Plan Map <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
<td></td>
</tr>
<tr>
<td>13. Agricultural Resources - Conflict with existing zoning for agricultural use, or a Williamson Act contract?</td>
<td>☐  ☐  ☐  ☑</td>
<td>☐  ☐  ☐  ☑</td>
<td>☑  ☐  ☐  ☐</td>
<td>Sunnyvale Zoning Map <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
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</tr>
<tr>
<td>15. Noise - Exposure of persons to or generation of excessive groundborne vibration?</td>
<td>☐  ☐  ☐  ☑</td>
<td>☐  ☐  ☐  ☑</td>
<td>☑  ☐  ☐  ☐</td>
<td>Sunnyvale Noise Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
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<tr>
<td>16. Noise - A substantial permanent or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?</td>
<td>☐  ☐  ☐  ☑</td>
<td>☐  ☐  ☐  ☑</td>
<td>☑  ☐  ☐  ☐</td>
<td>Sunnyvale Noise Sub-element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
<td></td>
</tr>
<tr>
<td>17. Biological Resources - 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?</td>
<td>☐  ☐  ☐  ☑</td>
<td>☐  ☐  ☐  ☑</td>
<td>☑  ☐  ☐  ☐</td>
<td>General Plan Map Project Description</td>
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<tr>
<td>Planning</td>
<td>Potentially Significant</td>
<td>Less than Sig. With Mitigation</td>
<td>Less Than Significant</td>
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<tr>
<td>18. Biological Resources - 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?</td>
<td></td>
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<td>General Plan Map Project Description</td>
</tr>
<tr>
<td>19. Biological Resources - 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?</td>
<td></td>
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<td>General Plan Map Project Description</td>
</tr>
<tr>
<td>20. Biological Resources - Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SMC 19.90 Tree Preservation Ordinance Sunnyvale Inventory of Heritage Trees</td>
</tr>
<tr>
<td>21. Biological Resources - Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, other approved local, regional, or state habitat conservation plan?</td>
<td></td>
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<td>Project Description</td>
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<tr>
<td>22. Historic and Cultural Resources - Cause a substantial adverse change in the significance of a historical resource or a substantial adverse change in an archeological resource?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sunnyvale Heritage Preservation Sub-Element, Sunnyvale Inventory or Heritage Resources The United States Secretary of the Interior's &quot;Guidelines for Rehabilitation&quot; Criteria of the National Register of Historic Places</td>
</tr>
<tr>
<td>23. Historic and Cultural Resources - Disturb any human remains, including those interred outside of formal cemeteries?</td>
<td></td>
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<td>Project Description</td>
</tr>
<tr>
<td>24. Public Services - Would the project result in substantial adverse physical impacts associated with the provision of new or expanded public schools, the construction of which could cause significant environmental impacts, in order to maintain acceptable performance objectives?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The following public school districts are located in the City of Sunnyvale: Fremont Union High School District, Sunnyvale Elementary School District, Cupertino Union School District and Santa Clara Unified School District. Project Description</td>
</tr>
<tr>
<td>Planning</td>
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<tr>
<td>25. Air Quality - Conflict with or obstruct implementation of the BAAQMD air quality plan? How close is the use to a major road, hwy. or freeway?</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>BAAQMD CEQA Guidelines Sunnyvale General Plan Map Sunnyvale Air Quality Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>26. Air Quality - Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>BAAQMD CEQA Guidelines Project Description</td>
</tr>
<tr>
<td>27. Air Quality - Would the project conflict with any applicable plan, policy or regulation of any agency adopted for the purpose of reducing the emissions of greenhouse gases?</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>BAAQMD CEQA Guidelines Project Description</td>
</tr>
<tr>
<td>28. Air Quality - Violate any air quality standard or contribute substantially to an existing or projected air quality violation.</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>BAAQMD CEQA Guidelines Sunnyvale Air Quality Sub-Element Project Description</td>
</tr>
<tr>
<td>29. Air Quality - 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 that exceed quantitative thresholds for ozone precursors)?</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>BAAQMD CEQA Guidelines Sunnyvale Air Quality Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
</tr>
<tr>
<td>30. Air Quality - Expose sensitive receptors to substantial pollutant concentrations?</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>BAAQMD CEQA Guidelines Sunnyvale Air Quality Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> Project Description</td>
</tr>
<tr>
<td>31. Seismic Safety - 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?</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>Seismic Safety and Safety Sub-Element of the Sunnyvale General Plan <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>32. Seismic Safety - Inundation by seiche, tsunami, or mudflow?</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>❑</td>
<td>Seismic Safety and Safety Sub-Element of the Sunnyvale General Plan <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>Planning</td>
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<td>Less than Significant with Mitigation</td>
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<tr>
<td>Seismic Safety-Strong seismic ground shaking?</td>
<td></td>
<td></td>
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<td></td>
<td>Seismic Safety and Safety Sub-Element of the Sunnyvale General Plan <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>Seismic Safety-Seismic-related ground failure, including liquefaction?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Seismic Safety and Safety Sub-Element of the Sunnyvale General Plan <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
</tbody>
</table>

Further Discussion if “Less than Significant” with or without mitigation:

2. **Aesthetics**: The proposed 60 foot tall telecommunications tower will be located on the subject property in the southwest corner of the site. The proposed slimline will be visible from Innsbruck Drive due to the proposed location at the end of the driveway isle. The proposed antennas (12) will be grouped in three sectors and stacked within a 2'4" diameter antenna screen. The proposed screen will painted to reduce visibility. The proposed design and location of the proposed tower will not substantially degrade the visual character or quality of the site or surrounding area because the proposed design will conceal the antennas and the proposed structure is industrial in character. Expected aesthetic impacts are less than significant with no mitigation needed.

14. **Noise**: The project will introduce short-term and temporary additional sources of noise to the project area during construction. The project may also introduce short-term and temporary additional sources of noise to the project area as a result emergency generator may be needed on an occasional basis. Temporary generators will be subject to applicable BAAQMD requirements. The project site is located within an industrial area near Highway 237. Surrounding uses are industrial and office. The City’s existing Municipal Code noise regulations and the project location will ensure the impact of construction noise is less than significant with no mitigation needed.

25. **Air Quality**: The project will introduce short-term and temporary additional sources of dust resulting from trenching and footing and pad construction. The projected construction period will not exceed 60 days and does not exceed BAAQMD thresholds. The project may also have temporary generators which will be subject to applicable BAAQMD requirements. The short length of time for construction and applicable BAAQMD regulations ensure that any air quality impacts are less than significant with no mitigation needed.
<table>
<thead>
<tr>
<th>Transportation</th>
<th>Potentially Significant Impact</th>
<th>Less Than Sig: Mitigation</th>
<th>Less Than Significant</th>
<th>No Impact</th>
<th>Source Other Than Project Description and Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>35. Exceeds the capacity of the existing circulation system, based on an applicable measure of effectiveness (as designated in a general plan policy, ordinance, etc.), taking into account all modes of transportation including nonmotorized travel and all relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian walkways, bicycle paths, and mass transit?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>City's Land Use and Transportation Element, Santa Clara County Transportation Plan, and AASHTO: A Policy on Geometric Design of Highways and Streets.</td>
</tr>
<tr>
<td>36. Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measurements, or other standards established by the county congestion management agency for designated roads or highways?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Santa Clara County Congestion Management Program and Technical Guidelines (for conducting TIA and LOS thresholds).</td>
</tr>
<tr>
<td>37. Results in a change in air traffic patterns, including either an increase in air traffic levels or a change in flight patterns or location that results in substantial safety risks to vehicles, bicycles, or pedestrians?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Sunnyvale General Plan including the Land Use and Transportation Element.</td>
</tr>
<tr>
<td>38. Substantially increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g. farm equipment)?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>City and CA Standard Plans &amp; Standard Specifications.</td>
</tr>
<tr>
<td>40. Affect the multi-modal performance of the highway and/or street and/or rail and/or off road nonmotorized trail transportation facilities, in terms of structural, operational, or perception-based measures of effectiveness (e.g. quality of service for nonmotorized and transit modes)?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>VTA Community Design and Transportation Manual, and Sunnyvale Neighborhood Traffic Calming Program.</td>
</tr>
<tr>
<td>Transportation</td>
<td>Potentially Significant Impact</td>
<td>Less Than Significant With Mitigation</td>
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<td>41. Reduce, sever, or eliminate pedestrian or bicycle circulation or access, or preclude future planned and approved bicycle or pedestrian circulation?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Sunnyvale Bicycle Plan, Pedestrian and Bicycle Opportunities Studies and associated capital projects.</td>
</tr>
<tr>
<td>42. Cause a degradation of the performance or availability of all transit including buses, light or heavy rail for people or goods movement?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>VTA Transit Operations Performance Report, VTA Short Range Transit Plan, and Valley Transportation Plan for 2035.</td>
</tr>
</tbody>
</table>

Further Discussion if "Less Than Significant" with or without mitigation: N/A

Responsible Division: Planning Division  Completed by: Shaunn Mendrin  Date: 04/28/2011
<table>
<thead>
<tr>
<th>Building</th>
<th>Potentially Significant Impact</th>
<th>Less than Significant With Mitigation</th>
<th>Less Than Significant</th>
<th>No Impact</th>
<th>Source Other Than Project Description and Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>43. Hydrology and Water Quality - 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?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>FEMA Flood Insurance Rate Map Effective 5/18/09 <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a>, California Building Code, Title 16 (Building) of the Sunnyvale Municipal Code Project Description</td>
</tr>
<tr>
<td>44. Hydrology and Water Quality - Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>FEMA Flood Insurance Rate Map Effective 5/18/09 <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a>, California Building Code, Title 16 (Building) of the Sunnyvale Municipal Code Project Description</td>
</tr>
<tr>
<td>45. Hydrology and Water Quality - 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?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>1996 ABAG Dam Inundation Map <a href="http://www.abag.ca.gov">www.abag.ca.gov</a> California Building Code, Title 16 (Building) of the Sunnyvale Municipal Code Project Description</td>
</tr>
<tr>
<td>47. Geology and Soils - 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?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Safety and Seismic Safety Sub-Element, <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a> California Plumbing, Mechanical, and Electrical Codes and Title 16 (Building) of the Sunnyvale Municipal Code</td>
</tr>
<tr>
<td>48. Geology and Soils - Be located on expansive soil, as defined by the current building code, creating substantial risks to life or property?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>California Plumbing, Mechanical, and Electrical Codes and Title 16 (Building) of the Sunnyvale Municipal Code</td>
</tr>
</tbody>
</table>

Further Discussion if "Less Than Significant" with or without mitigation: N/A

Responsible Division: Planning Division
Completed by: Shaun Mendrin
Date: 04/28/2011
<table>
<thead>
<tr>
<th>Engineering</th>
<th>Potentially Significant Impact</th>
<th>Less Than Significant With Mitigation</th>
<th>Less Than Significant</th>
<th>No Impact</th>
<th>Source Other Than Project Description and Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>49. Utilities and Service Systems: Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>Project Description Sunnyvale Wastewater Management Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>50. Utilities and Service Systems: 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?</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>Project Description Sunnyvale Waste Water Management Sub-Element Water Resources Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>51. Utilities and Service Systems: 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?</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>Project Description Sunnyvale Waste Water Management Sub-Element Water Resources Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>52. Utilities and Service Systems: Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>Project Description Water Resources Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>53. Utilities and Service Systems: 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?</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>Project Description Sunnyvale Wastewater Management Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>54. Utilities and Service Systems: Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>Sunnyvale Solid Waste Management Sub-Element <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>55. Hydrology and Water Quality - Violate any water quality standards or waste discharge requirements?</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
<td>Regional Water Quality Control Board (RWQCB) Region 2 Municipal Regional Permit</td>
</tr>
<tr>
<td>Engineering</td>
<td>Potentially Significant Impact</td>
<td>Less Than Sign. With Mitigation</td>
<td>Less Than Significant</td>
<td>No Impact</td>
<td>Source Other Than Project Description and Plans</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>-------------------------------</td>
<td>-------------------------------</td>
<td>-----------------------</td>
<td>-----------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>56. Hydrology and Water Quality - 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)?</td>
<td>✗</td>
<td></td>
<td></td>
<td>✗</td>
<td>Santa Clara Valley Water District Groundwater Protection Ordinance <a href="http://www.valleywater.org">www.valleywater.org</a></td>
</tr>
<tr>
<td>58. Hydrology and Water Quality - Create or contribute runoff which would exceed the capacity of existing or planned storm water drainage systems in a manner which could create flooding or provide substantial additional sources of polluted runoff?</td>
<td></td>
<td></td>
<td></td>
<td>✗</td>
<td>RWQCB, Region 2 Municipal Regional Permit; Stormwater Quality BMP Guidance Manual for New and Redevelopment Projects <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>59. Hydrology and Water Quality - Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river?</td>
<td></td>
<td></td>
<td></td>
<td>✗</td>
<td>Santa Clara Valley Water District (SCVWD) Guidelines and Standards for Land Use Near Streams <a href="http://www.valleywater.org">www.valleywater.org</a> City of Sunnyvale Stormwater Quality Best Management Practices (BMP) Guidance Manual for New and Redevelopment Projects <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>60. Utilities and Service Systems: Comply with federal, state, and local statues and regulations related to solid waste?</td>
<td></td>
<td></td>
<td></td>
<td>✗</td>
<td>Solid Waste Management Sub-Element of the Sunnyvale General Plan <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
<tr>
<td>Engineering</td>
<td>Potentially Significant Impact</td>
<td>Less Than Significant With Mitigation</td>
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<td>No Impact</td>
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<td>-------------</td>
<td>-----------------------------</td>
<td>--------------------------------------</td>
<td>----------------------</td>
<td>-----------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>61. Public Services Infrastructure? 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?</td>
<td>✅</td>
<td>✅</td>
<td>✅</td>
<td>✅</td>
<td>Project Description</td>
</tr>
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Further Discussion if “Less Than Significant” with or without mitigation: N/A

Responsible Division: Planning Division  
Completed by: Shaunn Mendrin  
Date: 04/28/2011
<table>
<thead>
<tr>
<th>Public Safety – Hazardous Materials</th>
<th>Potentially Significant Impact</th>
<th>Less than Significant with Mitigation</th>
<th>Less Than Significant Impact</th>
<th>No Impact</th>
<th>Source Other Than Project Description and Plans</th>
</tr>
</thead>
</table>
| 62. Public Services Police and Fire protection - 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? | ☐ | ☐ | ☐ | ☒ | Sunnyvale Law Enforcement Sub-Element  
Sunnyvale Fire Services Sub-Element  
Safety and Seismic Safety Sub-Element  
www.sunnyvaleplanning.com |
| 63. Public Services Police and Fire protection - Would the project result in inadequate emergency access? | ☐ | ☐ | ☐ | ☒ | California Building Code  
SMC Section 16.52 Fire Code |

Further Discussion if "Less Than Significant" with or without mitigation: N/A

Responsible Division: Planning Division  
Completed by: Shaunn Mendrin  
Date: 04/28/2011
<table>
<thead>
<tr>
<th>Public Safety – Hazardous Materials</th>
<th>Potentially Significant Impact</th>
<th>Less Than Sig. With Mitigation</th>
<th>Less Than Significant Impact</th>
<th>No Impact</th>
<th>Source Other Than Project Description and Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>64. Hazards and Hazardous Materials - Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Project Description</td>
</tr>
<tr>
<td>65. Hazards and Hazardous Materials - 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?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Project Description</td>
</tr>
<tr>
<td>66. Hazards and Hazardous Materials - Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an exiting or proposed school?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Project Description</td>
</tr>
<tr>
<td>67. Hazards and Hazardous Materials - 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?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Project Description Hazardous Waste &amp; Substances List (State of California) List of Known Contaminants in Sunnyvale</td>
</tr>
<tr>
<td>68. Hazards and Hazardous Materials - Impair implementation of, or physically interfere with an adopted emergency response plan or emergency evacuation plan?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
<td>Seismic Safety and Safety Sub-Element of the Sunnyvale General Plan <a href="http://www.sunnyvaleplanning.com">www.sunnyvaleplanning.com</a></td>
</tr>
</tbody>
</table>

Further Discussion if "Less Than Significant" with or without mitigation: N/A

Responsible Division: Planning Division
Completed by: Shaunn Mendrin
Date: 04/28/2011
<table>
<thead>
<tr>
<th>Community Services</th>
<th>Potentially Significant Impact</th>
<th>Less than Sig. With Mitigation</th>
<th>Less Than Significant</th>
<th>No Impact</th>
<th>Source Other Than Project Description and Plans</th>
</tr>
</thead>
</table>
| 69. Public Services Parks - 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? | ☐ | ☐ | ☐ | ☑ | Open Space & Recreation Sub-Element  
www.sunnyvaleplanning.com  
Project Description |
| 70. Recreation - 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? | ☐ | ☐ | ☐ | ☑ | Open Space & Recreation Sub-Element  
www.sunnyvaleplanning.com  
Project Description |
| 71. Recreation - 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? | ☐ | ☐ | ☐ | ☑ | Open Space & Recreation Sub-Element  
www.sunnyvaleplanning.com  
Project Description |

Further Discussion if “Less Than Significant” with or without mitigation: N/A

Responsible Division: Planning Division  
Completed by: Shaunn Mendrin  
Date: 04/28/2011
City of Sunnyvale General Plan:
A. General Plan Map
B. Air Quality Sub-Element (1993)
C. Arts Sub-Element (1995)
D. Community Design Sub-Element (1990)
E. Community Engagement Sub-Element (2007)
F. Fire Services Sub-Element (1995)
H. Fiscal Sub-Element (2006)
J. Housing & Community Revitalization Sub-Element (2009)
K. Land Use & Transportation Sub-Element (1997) Revised 4/28/09 with Allocation of Street Space Policies
L. Law Enforcement Sub-Element (1995)
M. Legislative Management Sub-Element (1999)
N. Library Sub-Element (2003)
O. Noise Sub-Element (1997)
Q. Safety & Seismic Safety Sub-Element (2008)
R. Socio-Economic Sub-Element (1989)
S. Solid Waste Management Sub-Element (1996)
T. Support Services Sub-Element (1988)
U. Surface Run-off Sub-Element (1993)
V. Wastewater Management Sub-Element (1996)
W. Water Resources Sub-Element (2008)

City of Sunnyvale Municipal Code:
A. Title 8 Health and Sanitation
B. Title 9 Public Peace, Safety or Welfare
C. Title 10 Vehicles and Traffic
D. Title 12 Water and Sewers
E. Chapter 12.60 Storm Water Management
F. Title 13 Streets and Sidewalks
G. Title 16 Buildings and Construction
H. Chapter 16.52 Fire Code
I. Chapter 16.54 Building Standards for Buildings Exceeding Seventy-Five Feet in Height
J. Title 18 Subdivisions
K. Title 19 Zoning
L. Chapter 19.28 Downtown Specific Plan District
M. Chapter 19.29 Moffett Park Specific plan District
N. Chapter 19.39 Green Building Regulations
O. Chapter 19.42 Operating Standards
P. Chapter 19.54 WirelessTelecommunication Facilities
Q. Chapter 19.81 Streamside Development Review
R. Chapter 19.96 Heritage Preservation
S. Title 20 Hazardous Materials

Specific Plans:
A. Downtown Specific Plan
B. El Camino Real Precise Plan
C. Lockheed Site Master Use Permit
D. Moffett Park Specific Plan
E. 101 & Lawrence Site Specific Plan
F. Southern Pacific Corridor Plan
G. Lakeside Specific Plan
H. Arques Campus Specific Plan

Environmental Impact Reports:
A. Futures Study Environmental Impact Report
B. Lockheed Site Master Use Permit Environmental Impact Report
C. Tasman Corridor LRT Environmental Impact Study (supplemental)
D. Kaiser Permanente Medical Center Replacement Center Environmental Impact Report (City of Santa Clara)
E. Downtown Development Program Environmental Impact Report
F. Caribbean-Moffett Park Environmental Impact Report
G. Southern Pacific Corridor Plan Environmental Impact Report
H. East Sunnyvale ITR General Plan Amendment EIR
I. Palo Alto Medical Foundation Medical Clinic Project EIR
J. Luminaire (Lawrence Station Road/Hwy 237 residential) EIR
K. NASA Ames Development Plan Programmatic EIS
L. Mary Avenue Overpass EIR
M. Mathilda Avenue Bridge EIR

Maps:
A. General Plan Map
B. Zoning Map
C. City of Sunnyvale Aerial Maps
D. Flood Insurance Rate Maps (FEMA)
E. Santa Clara County Assessors Parcel
F. Utility Maps
G. Air Installations Compatible Use Zones (AUCUZ) Study Map
H. Noise Sub-Element Appendix A 2010 Noise Conditions Map

Note: All references are the most recent version as of the date the Initial Study was prepared:
ENVIROMENTAL CHECKLIST REFERENCE LIST

Lists / Inventories:
A. Sunnyvale Cultural Resources Inventory List
B. Heritage Landmark Designation List
C. Santa Clara County Heritage Resource Inventory
D. Hazardous Waste & Substances Sites List (State of California)
E. List of Known Contaminants in Sunnyvale
F. USFWS / CA Dept. F&G Endangered and Threatened Animals of California
  http://www.dfg.ca.gov/biogeodata/cnndb/pdfs/TEAni mals.pdf
G. USFWS / CA Dept. F&G Endangered, Threatened and Rare Plants of California
  http://www.dfg.ca.gov/biogeodata/cnndb/pdfs/TEPl ants.pdf

Legislation / Acts / Bills / Resource Agency Codes and Permits:
A. Subdivision Map Act
B. San Francisco Bay Region Municipal Regional Stormwater NPDES Permit
C. Santa Clara County Valley Water District Groundwater Protection Ordinance
D. The Hazardous Waste and Substance Site List
   www.dtsc.ca.gov/SiteCleanup/Cortese_List.cfm
E. The Leaking Underground Petroleum Storage Tank List
   www.geotracker.waterboards.ca.gov
F. The Federal EPA Superfund List
   www.epa.gov/region9/cleanup/california.html Section 404 of Clean Water Act

Transportation:
A. California Department of Transportation Highway Design Manual
B. California Department of Transportation Traffic Manual
C. California Department of Transportation Standard Plans & Standard Specifications
D. Highway Capacity Manual
E. Institute of Transportation Engineers - Trip Generation Manual & Trip Generation Handbook
F. Institute of Transportation Engineers - Traffic Engineering Handbook
G. Institute of Transportation Engineers - Manual of Traffic Engineering Studies
H. Institute of Transportation Engineers - Transportation Planning Handbook
I. Institute of Transportation Engineers - Manual of Traffic Signal Design
J. Institute of Transportation Engineers - Transportation and Land Development
K. U.S. Dept. of Transportation Federal Highway Administration Manual on Uniform Traffic Control Devices for Street and Highways & CA Supplements
L. California Vehicle Code
M. Santa Clara County Congestion Management Program and Technical Guidelines
N. Santa Clara County Transportation Agency Short Range Transit Plan
O. Santa Clara County Transportation Plan for 2035
P. Traffic Volume Studies, City of Sunnyvale
Q. Statewide Integrated Traffic Records System
R. Sunnyvale Zoning Ordinance – including Titles 10 & 13
S. City of Sunnyvale General Plan – land Use and Transportation Element
T. City of Sunnyvale Bicycle Plan
U. City of Sunnyvale Neighborhood Traffic Calming Program
V. Valley Transportation Authority Bicycle Technical Guidelines
W. Valley Transportation Authority Community Design & Transportation – Manual of Best Practices for Integrating Transportation and Land Use
X. Santa Clara County Sub-Regional Deficiency Plan
Y. City of Sunnyvale Deficiency Plan
Z. AASHTO: A Policy on Geometric Design of Highways and Streets
AA. City of Sunnyvale Pedestrian and Bicycle Opportunities Studies
BB. Valley Transportation Authority Operations Performance Report

Public Works:
A. Standard Specifications and Details of the Department of Public Works
B. Storm Drain Master Plan
C. Sanitary Sewer Master Plan
D. Water Master Plan
E. Solid Waste Management Plan of Santa Clara County
F. Geotechnical Investigation Reports
G. Engineering Division Project Files
H. Subdivision and Parcel Map Files

Note: All references are the most recent version as of the date the Initial Study was prepared.
ENVIROMENTAL CHECKLIST REFERENCE LIST

Miscellaneous Agency Plans:
A. ABAG Projections 2010
B. Bay Area Clean Air Plan
C. BAAQMD CEQA Guidelines
D. Criteria of the National Register of Historic Places

Building Safety:
A. California Building Code
B. California Energy Code
C. California Plumbing Code
D. California Mechanical Code
E. California Electrical Code
F. California Fire Code
G. Title 16.52 Sunnyvale Municipal Code
H. Title 16.53 Sunnyvale Municipal Code
I. Title 16.54 Sunnyvale Municipal Code
J. Title 19 California Code of Regulations

Guidelines and Best Management Practices
B. Sunnyvale Citywide Design Guidelines
C. Sunnyvale Industrial Guidelines
D. Sunnyvale Single-Family Design Techniques
E. Sunnyvale Eichler Guidelines
F. Blueprint for a Clean Bay
G. SCVWD Guidelines and Standards for Land Use Near Streams
H. The United States Secretary of the Interior’s Guidelines for Rehabilitation
I. Criteria of the National Register of Historic Places

Additional Project References:
A. Project Description
B. Sunnyvale Project Environmental Information Form
C. Project Development Plans dated 02/2011
D. Field Inspection

Other: None

Note: All references are the most recent version as of the date the Initial Study was prepared.
237 JAVA-SUNNYVALE
CN4-O47

DIRECTIONS FROM AT&T'S PLEASANTON OFFICE:
- HEAD EAST ON ROSSLEIGH DR.
- MAKE A LEFT ON 03 HR.
- TURN RIGHT AT HICKENDON DR. 03 HR.
- TURN RIGHT AT HICKENDON DR. 03 HR.
- PROCEED ONTO MERCURY HWY VIA THE RAMP TO EAST 03 HR.
- TAKE THE LEFT EXIT ONTO MERCURY HWY VIA THE RAMP TO EAST 03 HR.
- TAKE THE EXIT ONTO BAY AREA HANNAH DURANGO 04 HR.
- EXIT ONTO CARIBBEAN DR. 03 HR.
- TURN LEFT AT HUFFY PARK DR. 03 HR.
- TURN RIGHT AT HUFFY PARK DR. 03 HR.
- ARRIVE AT 237 INNERSKILL DR, SANTA CLARA, CA 94080

SITE LOCATION
LAT: 37°42'50.2"N
LONG: 122°05'41.0"W
NAP 88

PROJECT ADDRESS:
237 INNERSKILL DR
SANTA CLARA, CA 94080

APNL:
00-54-005

DESCRIPTION OF WORK:
The project consists of the installation of an equipment shelter and the installation of 24 6'-4" panel antennas on a 60'-0" slim pole.

APPLICANT:
AT&T
4400 ROSSLEIGH DRIVE BLDG 3
PLEASANTON, CA 94588

PROPERTY OWNER:
AT&T

CODE INFORMATION:
INDUSTRIAL

PROJECT AREA:
1465.0 SQ FT

STRUCTURE HEIGHT:
60'-0" ASDL (TO SLIM POLE)

BUILDING AREA:
122,128 SQ. FT

NUMBER OF PARKING SPACES:
56

PROJECT ENGINEER:

SITE DEVELOPMENT:

CONSTRUCTION MANAGER:

SURVEYOR:

ZONING CONTACT:

JURISDICTION:
SANTA CLARA COUNTY

ACCESSIBILITY:
INSTALLATION IS UNMANDED AND PROVIDED ONLY BY SERVICE PERSONNEL. FOR RETAIL OR MAINTENANCE PURPOSES, INSTALLATION IS NOT FOR HUMAN INHIBITION / PUBLIC ACCESS. ADA, ACCESSIBILITY IS NOT REQUIRED (2001 CBC, SECTION 616).

APPROVAL LIST:

CONSTRUCTION MANAGER
CONSTRUCTION MANAGER
ZONING MANAGER
MONITOR
<table>
<thead>
<tr>
<th>SECTOR</th>
<th>ANTENNA POSITION</th>
<th>ANTENNA TYPE</th>
<th>AZIMUTH (TM)</th>
<th>HEIGHT AUL. (M)</th>
<th>ANTENNA CABLE TYPE</th>
<th>CABLE LENGTH (M)</th>
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<tbody>
<tr>
<td>A</td>
<td>A1</td>
<td>DUAL BAND</td>
<td>20°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td>A2</td>
<td>DUAL BAND</td>
<td>20°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td>A5</td>
<td>DUAL BAND</td>
<td>20°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
<tr>
<td>B</td>
<td>B1</td>
<td>DUAL BAND</td>
<td>260°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td>B2</td>
<td>DUAL BAND</td>
<td>260°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td>B3</td>
<td>DUAL BAND</td>
<td>260°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
<tr>
<td>C</td>
<td>C1</td>
<td>DUAL BAND</td>
<td>140°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td>C2</td>
<td>DUAL BAND</td>
<td>140°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td>C3</td>
<td>DUAL BAND</td>
<td>140°</td>
<td>5.45 m</td>
<td>2 with 1/8&quot; AHAB</td>
<td>175</td>
</tr>
</tbody>
</table>

**Notes:**
1. All central cables are to be heat shrinked as per manufacturer's recommendations per AT&T construction specifications. Maintenance is expected.
2. Contractor to provide strip loops in cables for jumps where necessary.
3. All central cables are to be labeled as per AT&T construction specifications.
4. Central cables are to be supported at 2 1/2" max. Contractor shall provide supports as required.

RF Information obtained from RF5S Rev1.4

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**RF Specifications**

**Double TMA Specifications**

**LTE TMA Specifications**

---

**ANTENNA SPECIFICATION**

---

**MARKET:**

---

**PATENT:**

---

**LIST:**

---

**DISTRIBUTION:**

---

**DATE OF ISSUE:**

---

**ISSUE NUMBER:** Z-5

---

**ATTACHMENT D**

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**AT&T**

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**ERICSSON**
3/9/11

City of Sunnyvale
Attn: Planning Department
456 West Olive Ave,
Sunnyvale, CA 94086

RE: Project# 2010- 7706 — 1225 Innsbruck Drive. (CN4047)
Description: Telecommunications facility for a new 60’ monopole with 9 antennas.

Alternative analysis

To begin the search for a potential site, AT&T first identifies the area in need of coverage. AT&T’s Radio Frequency (RF) Engineers determine the location in which a site must be located and the height at which the antennas must be placed in order to provide the necessary coverage to the area. All AT&T facilities must have clear line of site and must not be obstructed by existing trees, building, or topography.

The target objective of this site is to improve and provide additional coverage along Persian Dr. to Paracor Medical Inc. and Telsima Corp. Also to areas between Fair Oaks, Java Dr., Boregas Ave and Toyama Dr. This location on Innsbruck Dr. is the best location in terms of meeting the technological needs of AT&T and the design screens the antennas from public view.

Regarding the alternate location suggested by Planning at the corner of Boregas Ave and E. Moffett Park Drive, our RF engineer looked at that location however the building does not provide the height needed to meet the desired coverage objective. RF desires a 57’ rad center for the antennas and that building being at approximately 25’ (12’ per story) even with a 10’ extension would only provide a height of 35’ to the top of the antenna.
PROPOSED: 60' slimline pole containing 9 antennas as seen facing west from Innsbruck Rd
PROPOSED: 60' Slimline pole containing 9 antennas as seen facing north from Moffett Park Dr

Proposed 60' Slimline pole
PROPOSED: 60' Slimline pole containing 9 antennas as seen facing south from adjacent lot

Proposed 60' slimline pole
Proposed equipment
PROPOSED: 60' Slimline pole cannot be seen at facing east from Highway 237

EXISTING

Proposed slimline pole cannot be seen through foliage using HWY 237
PROPOSED // 60' Slimline pole cannot be seen as facing west from highway 237

Proposed slimline pole cannot be seen through foliage lining HWY 237
Radio Frequency Analysis

AT&T Mobility

Site # CN4047

"237 Java Sunnyvale"

1225 Innsbruck Dr.

Sunnyvale, CA 94089

By: Evan Wappel

Last Update: Devan Knight

Date: 9/22/2010
Report Summary
Based upon information provided by AT&T Mobility and the design engineer, and using the calculated method for determining RF field strength, it is the engineer’s opinion that the proposed AT&T Mobility site to be located at 1225 Innsbruck Dr. Sunnyvale, CA 94089 will comply with the FCC’s current prevailing standard for limiting human exposure to RF energy.

Due to the mounting method utilized, the general public would not normally be able to approach the antennas. Therefore, no significant impact on the general population is expected. The calculated electromagnetic field strength level in publicly accessible areas is less than the existing standard allows for exposure of unlimited duration. Additionally, due to the mounting method used, no significant impact on the environment is expected.

For personnel who work within 11’ of the face of an antenna, a training program in exposure to RF fields is recommended. Maintenance personnel should be instructed to contact the appropriate Carrier prior to working in front of an antenna.

Recommended Signage
There is no RF caution signs required at the site.

Background
Evan Wappel is the Market RF Safety Coordinator for AT&T Mobility and is responsible for conducting a Radio Frequency (RF) electromagnetic analysis for the AT&T Mobility site to be located at 1225 Innsbruck Dr. Sunnyvale, CA 94089. This analysis consists of a review of the proposed site conditions, calculation of the estimated RF field strength of the antennas, and the provision of a comparison of the estimated field strength with the Federal Communication Commission (FCC) recommended guidelines for human exposure to RF electromagnetic fields.
Site Description
Based upon the information provided by AT&T Mobility, 9 AT&T Mobility panel antennas will be mounted inside a pole. The antennas will be mounted approximately 40' (to bottom of antennas) above ground level. The antennas will be oriented such that the main lobes are oriented toward the horizon. Normal public access to the front of the antennas is not expected due to the mounting location and method utilized. Occupational access to the front of the antennas is not normally expected.

RF Field Strength Calculation Methodology
A generally accepted method is used to calculate the expected RF field strength. The method uses the FCC's recommended equation\(^1\) which predicts field strength on a worst case basis by

\[
S = \frac{(2)^2 PG}{4\pi R^2} = \frac{PG}{\pi R^2} = \frac{EIRP}{\pi R^2}
\]

Doubling the predicted field strength. The following equation is used to predict maximum RF field strength:

Where:
S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

\(^1\) Reference Federal Communication Commission Office of Engineering Technology Bulletin 65
Study

The ground level effect of the AT&T Mobility and other carriers' emissions was calculated using a maximum ERP of 2,750 watts. Results were calculated for a height of 6' above ground level. Using these factors, the maximum calculated AT&T Mobility fields at ground level are 1.10% of the existing standard for general population uncontrolled exposure. The additional antennas are for evaluation purposes only and the calculations for the two additional carriers are not based on actual data for any carrier.

See Table 1 for the FCC's guidelines on Maximum Permissible Exposure (MPE). Note that the RF ranges referenced for this analysis are the ranges of 300 – 1500 Mhz, and 1500 – 100,000 Mhz shown in Table 1, which is included in Appendix A.

Exposure Environments
The FCC guidelines incorporate two separate tiers of exposure limits that are dependent on the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure. The decision as to which tier applies in a given situation should be based on the application of the following definitions.

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

**General population/uncontrolled** exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public always fall under this category when exposure is not employment-related.
For purposes of applying these definitions, awareness of the potential for RF exposure in a workplace or similar environment can be provided through specific training as part of a RF safety program. Warning signs and labels can also be used to establish such awareness as long as they provide information, in a prominent manner, on risk of potential exposure and instructions on methods to minimize such exposure risk. For example, a sign warning of RF exposure risk and indicating that individuals should not remain in the area for more than a certain period of time could be acceptable.

Another important point to remember concerning the FCC's exposure guidelines is that they constitute exposure limits (not emission limits), and they are relevant only to locations that are accessible to workers or members of the public. Such access can be restricted or controlled by appropriate means such as the use of fences, warning signs, etc., as noted above. For the case of occupational/controlled exposure, procedures can be instituted for working in the vicinity of RF sources that will prevent exposures in excess of the guidelines. An example of such procedures would be restricting the time an individual could be near an RF source or requiring that work on or near such sources be performed while the transmitter is turned off or while power is appropriately reduced.

Qualifications of Reporting Engineer

Mr. Wappel has been involved in the analysis of RF emissions since 1999. He has designed numerous RF systems including both site design and RF system design. He is an Electrical Engineer, and all contents of this report are true and correct to the best of his knowledge.

Signed: Evan Wappel  Date: 9/22/2010
Evan Wappel, BSc,EE
APPENDIX A
Term Definitions

Exposure Exposure occurs whenever and wherever a person is subjected to electric, magnetic or electromagnetic fields other than those originating from physiological processes in the body and other natural phenomena.

Exposure, partial-body. Partial-body exposure results when RF fields are substantially nonuniform over the body. Fields that are nonuniform over volumes comparable to the human body may occur due to highly directional sources, standing-waves, re-radiating sources or in the near field.

General population/uncontrolled exposure. For FCC purposes, applies to human exposure to RF fields when the general public is exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public always fall under this category when exposure is not employment-related.

Maximum permissible exposure (MPE). The rms and peak electric and magnetic field strength, their squares, or the plane-wave equivalent power densities associated with these fields to which a person may be exposed without harmful effect and with an acceptable safety factor.

Occupational/controlled exposure. For FCC purposes, applies to human exposure to RF fields when persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see definition above), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.
## Table 1
LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

(A) Limits for Occupational/Controlled Exposure

<table>
<thead>
<tr>
<th>Frequency Range (MHz)</th>
<th>Electric Field Strength (E) (V/m)</th>
<th>Magnetic Field Strength (H) (A/m)</th>
<th>Power Density (S) (mW/cm²)</th>
<th>Averaging Time [E², H²] or S (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3-3.0</td>
<td>614</td>
<td>1.63</td>
<td>(100)*</td>
<td>6</td>
</tr>
<tr>
<td>3.0-30</td>
<td>1842/f</td>
<td>4.89/f</td>
<td>(900/f²)*</td>
<td>6</td>
</tr>
<tr>
<td>30-300</td>
<td>61.4</td>
<td>0.163</td>
<td>1.0</td>
<td>6</td>
</tr>
<tr>
<td>300-1500</td>
<td>--</td>
<td>--</td>
<td>f/300</td>
<td>6</td>
</tr>
<tr>
<td>1500-100,000</td>
<td>--</td>
<td>--</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

(B) Limits for General Population/Uncontrolled Exposure

<table>
<thead>
<tr>
<th>Frequency Range (MHz)</th>
<th>Electric Field Strength (E) (V/m)</th>
<th>Magnetic Field Strength (H) (A/m)</th>
<th>Power Density (S) (mW/cm²)</th>
<th>Averaging Time [E², H²] or S (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3-1.34</td>
<td>614</td>
<td>1.63</td>
<td>(100)*</td>
<td>30</td>
</tr>
<tr>
<td>1.34-30</td>
<td>824/f</td>
<td>2.19/f</td>
<td>(180/f²)*</td>
<td>30</td>
</tr>
<tr>
<td>30-300</td>
<td>27.5</td>
<td>0.073</td>
<td>0.2</td>
<td>30</td>
</tr>
<tr>
<td>300-1500</td>
<td>--</td>
<td>--</td>
<td>f/1500</td>
<td>30</td>
</tr>
<tr>
<td>1500-100,000</td>
<td>--</td>
<td>--</td>
<td>1.0</td>
<td>30</td>
</tr>
</tbody>
</table>

f = frequency in MHz

*Plane-wave equivalent power density

**NOTE 1:** Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

**NOTE 2:** General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.
Drawing of site layout:

- AT&T Antenna Base Center (60'-0" AAL)
- AT&T Antenna Base Center (60'-0" AAL)
- AT&T Antenna Base Center (60'-0" AAL)
- AT&T Panel Antenna, Type OF 946A(C)
- AT&T 60'-0" High Slim Pole
- AT&T 8' x 10' Equipment Shelter
- 6'-0" High Chain Mail, Type
- Existing Overhead Ground Wire, Type
- IT-10 Wire Double Hanging Wire