

# SAN FRANCISCO PLANNING DEPARTMENT

# Executive Summary Conditional Use

HEARING DATE: MAY 28, 2020

Record No.:	2019-019985CUA
Project Address:	755 Stanyan Street (Also Known as 670 Kezar Drive)
Zoning:	P (Public) Zoning District
	OS Height and Bulk District
Block/Lot:	1700/001
Project Sponsor:	Derek Turner
	1225 Clay Street, #5
	San Francisco, CA 94108
Property Owner:	City and County of San Francisco
	San Francisco, CA 94117
Staff Contact:	Mathew Chandler – (415) 575-9048
	mathew.chandler@sfgov.org
Recommendation:	Approval with Conditions

1650 Mission St. Suite 400 San Francisco, CA 94103-2479

Reception: 415.558.6378

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Planning Information: **415.558.6377** 

# **PROJECT DESCRIPTION**

The Project includes installation of a new AT&T Mobility macro wireless telecommunications facility consisting of twelve (12) ATT panel Antennas, twenty-four (24) ATT remote radio heads on existing stadium light poles, and ancillary equipment including ground-mounted equipment screened behind an iron fence.

# **REQUIRED COMMISSION ACTION**

In order for the Project to proceed, the Commission must grant a Conditional Use Authorization, pursuant to Planning Code Sections 303(c) and 211.2 to allow a Wireless Telecommunications Service Facility if used for commercial communication systems in the P Zoning District.

# **ISSUES AND OTHER CONSIDERATIONS**

• **Public Comment & Outreach.** The Project Sponsor held a Pre-Application Meeting at the San Francisco County Fair Building – 1199 9<sup>th</sup> Avenue on Thursday, July 11, 2019, at 6:00 p.m. According to application materials, ten community members attended the meeting, most of which were interested in discussing EMF-related health concerns. The topics of discussion included EMF exposure and health impacts of the proposed facility and project-specific details, including design, equipment, and coverage. To-date, the Department has received correspondence from 7 people regarding the proposed project, five in opposition and two requesting further information.

# ENVIRONMENTAL REVIEW

The Project is exempt from the California Environmental Quality Act ("CEQA") as a Class 1 categorical exemption.

# **BASIS FOR RECOMMENDATION**

The Department finds that the Project is, on balance, consistent with the Wireless Telecommunications service Facilities Siting Guidelines, and the Objectives and Policies of the General Plan. The Project will be located on an existing publicly-used structure, the most preferred location listed in the Wireless Telecommunications service Facilities Siting Guidelines. The proposed facility will not significantly alter the existing appearance or character of the project vicinity. It would not adversely affect the park or open space, nor its access to sunlight or public vistas.

# **ATTACHMENTS:**

Draft Motion – Conditional Use Authorization Exhibit A – Conditions of Approval Exhibit B – Plans and Renderings Exhibit C – Environmental Determination Exhibit D – Maps and Context Photos Exhibit E- Radio Frequency Report Exhibit F – Department of Public Health Approval Exhibit G – Coverage Maps Exhibit H – Independent Evaluation



# SAN FRANCISCO PLANNING DEPARTMENT

# Planning Commission Draft Motion HEARING DATE: MAY 28, 2020

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ADOPTING FINDINGS RELATING TO A CONDITIONAL USE AUTHORIZATION PURSUANT TO PLANNING CODE SECTIONS 303(c) AND 211.2, TO INSTALL A NEW POLE MOUNTED AT&T MOBILITY WIRELESS MACRO TELECOMMUNICATIONS FACILITY CONSISTING OF (12) ATT PANEL ANTENNAS, (24) ATT REMOTE RADIO HEADS ON EXISTING STADIUM LIGHT POLES, AND ANCILLARY EQUIPMENT INCLUDING GROUND MOUNTED EQUIPMENT SCREENED BEHIND AN IRON FENCE AS PART OF THE AT&T MOBILITY TELECOMMUNICATIONS NETWORK. THE SUBJECT PROPERTY IS LOCATED AT 755 STANYAN STREET(ALSO KNOW AS 670 KEZAR DRIVE) [NORTH SIDE OF KEZAR STADIUM]), LOT 001 IN ASSESSOR'S BLOCK 1700, WITHIN THE P (PUBLIC) ZONING DISTRICT AND OS HEIGHT AND BULK DISTRICT, AND ADOPTING FINDINGS UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT.

# PREAMBLE

On October 25, 2019, Derek Turner of J5 Infrastructure Partners (hereinafter "Project Sponsor") filed Application No. 2019-019985CUA (hereinafter "Application") with the Planning Department (hereinafter "Department") for a Conditional Use Authorization to construct a new macro wireless telecommunications facility (hereinafter "Project") at 755 Stanyan Street (also known as 670 Kezar Drive), Block 1700 Lot 001 (hereinafter "Project Site").

On May 28, 2020, the San Francisco Planning Commission (hereinafter "Commission") conducted a duly noticed public hearing at a regularly scheduled meeting on Conditional Use Application No. 2019-019985CUA.

The Planning Department Commission Secretary is the custodian of records; the File for Record No. 2019-019985CUA is located at 1650 Mission Street, Suite 400, San Francisco, California.

On May 20, 2020, the Project was determined to be exempt from the California Environmental Quality Act ("CEQA") as a Class 1 Categorical Exemption under CEQA as described in the determination contained in the Planning Department files for this Project.

The Commission has heard and considered the testimony presented to it at the public hearing and has further considered written materials and oral testimony presented on behalf of the applicant, Department staff, and other interested parties.

**MOVED**, that the Commission hereby authorizes the Conditional Use as requested in Application No. 2019-019985CUA, subject to the conditions contained in "EXHIBIT A" of this motion, based on the following findings:

# FINDINGS

Having reviewed the materials identified in the preamble above, and having heard all testimony and arguments, this Commission finds, concludes, and determines as follows:

- 1. The above recitals are accurate and constitute findings of this Commission.
- 2. **Project Description.** The Project includes installation of a new AT&T Mobility macro wireless telecommunications facility consisting of twelve (12) ATT panel Antennas, twenty-four (24) ATT remote radio heads on existing stadium light poles, and ancillary equipment including ground mounted equipment screened behind an iron fence.
- 3. **Site Description and Present Use.** The Project is located on lot 001 of Assessor's block 1700 at the north side of Kezar Stadium and will be added to existing light poles adjacent to Kezar Avenue. The site, is part of a larger site at the southeast corner of Golden Gate Park, Kezar Stadium, which is bisected by a portion lot 001 of Assessor's block 1264 and is bound roughly by Frederick Street, Arguello Boulevard, Kezar Drive, Waller Street, and Stanyan Street. The site is owned by the City and County of San Francisco and provides a public use for open space, including active and passive recreation use.
- 4. **Surrounding Properties and Neighborhood.** The Project Site is located within the Public Zoning District. The immediate context is mixed in character with residential, retail, entertainment, and other public uses. The immediate neighborhood includes one-to-four-story commercial and residential properties to the south and across Frederick Street, one-to-four-story commercial and residential properties to the east across Stanyan Street, and additional public park (Golden Gate Park) to the north and west.
- 5. **Public Outreach and Comments.** The Department has received correspondence from 7 people regarding the proposed project. Much of the opposition expressed concerns over the project's potential adverse health effects and project design. Specifically, concerns have been expressed that the facility will have adverse health effects related to EMF exposure, that the facility is aesthetically unpleasing, and unnecessary.

6. **Past History and Actions.** The Planning Commission adopted the <u>Wireless Telecommunications</u> <u>Services (WTS) Facilities Siting Guidelines</u> ("Guidelines") for the installation of wireless telecommunications facilities in 1996. These Guidelines set forth the land use policies and practices that guide the installation and approval of wireless facilities throughout San Francisco. A large portion of the Guidelines was dedicated to establishing location preferences for these installations. The Board of Supervisors, in Resolution No. 635-96, provided input as to where wireless facilities should be located within San Francisco. The Guidelines were updated by the Commission in 2003 and again in 2012, requiring community outreach, notification, and detailed information about the facilities to be installed.

Section 8.1 of the Guidelines outlines Location Preferences for wireless facilities. There are five primary areas were the installation of wireless facilities should be located:

- 1. Publicly-used Structures: such facilities as fire stations, utility structures, community facilities, and other public structures;
- 2. Co-Location Site: encourages installation of facilities on buildings that already have wireless installations;
- 3. Industrial or Commercial Structures: buildings such as warehouses, factories, garages, service stations;
- 4. Industrial or Commercial Structures: buildings such as supermarkets, retail stores, banks; and
- 5. Mixed-Use Buildings in High Density Districts: buildings such as housing above commercial or other non-residential space.

Section 8.1 of the WTS Siting Guidelines further stipulates that the Planning Commission will not approve WTS applications for Preference 5 or below Location Sites unless the application describes (a) what publicly-used building, co-location site or other Preferred Location Sites are located within the geographic service area; (b) what good faith efforts and measures were taken to secure these more Preferred Locations, (c) explains why such efforts were unsuccessful; and (d) demonstrates that the location for the site is essential to meet demands in the geographic service area and the Applicant's citywide networks.

Before the Planning Commission can review an application to install a wireless facility, the Project Sponsor must submit a five-year facilities plan, which must be updated biannually, an emissions report and approval by the Department of Public Health, Section 106 Declaration of Intent, an independent evaluation verifying coverage and capacity, a submittal checklist and details about the facilities to be installed.

Under Section 704(B)(iv) of the 1996 Federal Telecommunications Act, local jurisdictions cannot deny wireless facilities based on Radio Frequency (RF) radiation emissions so long as such facilities comply with the FCC's regulations concerning such emissions.

- 7. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of zoning districts and building uses for the siting of wireless telecommunications facilities. Based on the zoning and land use, the proposed WTS facility is at a Location Preference 1 Site (Publicly-used Structures) according to the WTS Facilities Siting Guidelines, making it a desired location.
- 8. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network is designed to address coverage and capacity needs in the area. The network will operate at 2,730 watts for WCS, 4,100watts for AWS, 4,020watts for PCS, 1,610watts for cellular, and 2,670watts for 700 MHz service, which are regulated by the Federal Communications Commission (FCC) and must comply with the FCC-adopted health and safety standards for electromagnetic radiation and radio frequency radiation.
- 9. **Radiofrequency (RF) Emissions:** The Project Sponsor retained Hammett & Edison, INC Consulting Engineers, a radio engineering consulting firm, to prepare a report describing the expected RF emissions from the proposed facility. Pursuant to the Guidelines, the Department of Public Health reviewed the report and determined that the proposed facility complies with the standards set forth in the Guidelines.
- 10. **Department of Public Health Review and Approval.** The Project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Radio-Frequency (RF) levels from the proposed AT&T Mobility transmitters at any nearby publicly accessible building or area would 2.9% of the FCC public exposure limit.

There are no antennas existing operated by AT&T Wireless installed on the field lights at 670 Kezar Drive. Existing RF levels at ground level were around 1% of the FCC public exposure limit. No other antennas were observed within 100 feet of this site. AT&T Wireless proposes to install 12 new antennas. The antennas are mounted at a height of 74 and 80 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.015mW/sqcm., which is 2.2% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 58 feet and does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Workers should not have access to within 23 feet of the front of the antennas while they are in operation. Due to their mounting locations and heights, the AT&T antennas would not be accessible to unauthorized persons.

- 11. **Coverage and Capacity Verification.** The maps, data, and conclusion provided by AT&T Mobility to demonstrate the need for outdoor and indoor coverage and capacity have been determined by Hammett & Edison, INC Consulting Engineers, a radio engineering consulting firm and independent third party, to accurately represent the carrier's present and post-installation conclusions.
- 12. **Maintenance Schedule**. The facility would operate without on-site staff but with a maintenance crew visiting the property to service and monitor the facility.

- 13. **Planning Code Compliance.** The Commission finds that the Project is consistent with the relevant provisions of the Planning Code in the following manner:
  - A. **Use.** Per Planning Code Section 211.2, a Conditional Use Authorization is required for a macro WTS facility (Utility and Infrastructure Use).
- 14. **Conditional Use Findings.** Planning Code Section 303 establishes criteria for the Planning Commission to consider when reviewing applications for Conditional Use authorization. On balance, the project complies with said criteria in that:
  - A. The proposed new uses and building, at the size and intensity contemplated and at the proposed location, will provide a development that is necessary or desirable, and compatible with, the neighborhood or the community.

The Project at 755 Stanyan Street (also known as 670 Kezar Drive), is generally desirable and compatible with the surrounding neighborhood because the Project will not conflict with the existing uses of the property and will be designed to be compatible with the surrounding neighborhood. The overall location, setback from public streets, height, and design of the proposed facility, including visible screening elements, is situated to avoid intrusion into public vistas and to ensure harmony with the existing neighborhood character and promote public safety.

The Project is necessary in order to achieve sufficient indoor and outdoor 4G LTE mobile phone coverage and data capacity. Recent drive tests in the subject area conducted by the AT&T Mobility Radio Frequency Engineering Team provide that the Project Site is a preferable location, based on factors including quality of coverage.

- B. The proposed project will not be detrimental to the health, safety, convenience or general welfare of persons residing or working in the vicinity. There are no features of the project that could be detrimental to the health, safety or convenience of those residing or working the area, in that:
  - (1) Nature of proposed site, including its size and shape, and the proposed size, shape and arrangement of structures;

The height and general aesthetics of the existing light poles will remain the same, and the proposed equipment will not significantly alter the current appearance or character of the project vicinity. The proposed work will not affect the envelope of any building or create permeant modifications to any structure; all ground mounted equipment will be adequately screened within a fence.

(2) The accessibility and traffic patterns for persons and vehicles, the type and volume of such traffic, and the adequacy of proposed off-street parking and loading;

The Planning Code does not require parking or loading for a telecommunications wireless facility. The proposed use is designed to meet the needs of the immediate neighborhood and should not generate significant amounts of vehicular trips from the immediate neighborhood or citywide.

(3) The safeguards afforded to prevent noxious or offensive emissions such as noise, glare, dust and odor;

While some noise and dust may result from the installation of the antennas and transceiver equipment, noise or noxious emissions from continued use are not likely to be significantly greater than ambient conditions due to the operation of the wireless communication network.

(4) Treatment given, as appropriate, to such aspects as landscaping, screening, open spaces, parking and loading areas, service areas, lighting and signs;

The facility will not affect landscaping, open space, required parking, lighting or signage at the Project Site or surrounding area. The proposed ground mounted equipment will be adequately screened within a fence.

C. That the use as proposed will comply with the applicable provisions of the Planning Code and will not adversely affect the General Plan.

The Project complies with all relevant requirements and standards of the Planning Code and is consistent with objectives and policies of the General Plan as detailed below.

D. That the use as proposed would provide development that is in conformity with the purpose of the applicable Neighborhood Commercial District.

The proposed Project is consistent with the stated purpose of Public Districts in that the facility will be consistent with the existing scale and character of the area.

15. **General Plan Compliance.** The Project is, on balance, consistent with the following Objectives and Policies of the General Plan:

# HOUSING ELEMENT

## **Objectives and Policies**

## **OBJECTIVE 12:**

BALANCE HOUSING GROWTH WITH ADEQUATE INFRASTRUCTURE THAT SERVES THE CITY'S GROWING POPULATION.

Policy 12.3:

SAN FRANCISCO PLANNING DEPARTMENT Ensure new housing is sustainable supported by the City's public infrastructure systems.

The Project will improve AT&T Mobility coverage and capacity within Golden Gate Park and the surrounding neighborhoods.

## COMMERCE AND INDUSTRY ELEMENT

### **Objectives and Policies**

### **OBJECTIVE 1:**

MANAGE ECONOMIC GROWTH AND CHANGE TO ENSURE ENHANCEMENT OF THE TOTAL CITY LIVING AND WORKING ENVIRONMENT.

### Policy 1.1:

Encourage development, which provides substantial net benefits and minimizes undesirable consequences. Discourage development, which has substantial undesirable consequences that cannot be mitigated.

### Policy 1.2:

Assure that all commercial and industrial uses meet minimum, reasonable performance standards.

The Project will enhance the total city living and working environment by providing communication services for residents and workers within the City. Additionally, the Project would comply with Federal, State and Local performance standards.

### **OBJECTIVE 2:**

MAINTAIN AND ENHANCE A SOUND AND DIVERSE ECONOMIC BASE AND FISCAL STRUCTURE FOR THE CITY.

### Policy 2.1:

Seek to retain existing commercial and industrial activity and to attract new such activity to the city.

### Policy 2.3:

Maintain a favorable social and cultural climate in the city in order to enhance its attractiveness as a firm location.

The Site will be an integral part of a new wireless communications network that will enhance the City's diverse economic base.

### **OBJECTIVE 4:**

IMPROVE THE VIABILITY OF EXISTING INDUSTRY IN THE CITY AND THE ATTRACTIVENESS OF THE CITY AS A LOCATION FOR NEW INDUSTRY.

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## Policy 4.1:

Maintain and enhance a favorable business climate in the City.

## Policy 4.2:

Promote and attract those economic activities with potential benefit to the City.

The Project will benefit the City by enhancing the business climate through improved communication services for residents and workers.

### VISITOR TRADE

### **OBJECTIVE 8:**

ENHANCE SAN FRANCISCO'S POSITION AS A NATIONAL CENTER FOR CONVENTIONS AND VISITOR TRADE.

## Policy 8.3:

Assure that areas of particular visitor attraction are provided with adequate public services for both residents and visitors.

The Project will ensure that residents and visitors have adequate public service in the form of AT&T Mobility telecommunications.

# COMMUNITY SAFETY ELEMENT

## **Objectives and Policies**

## **OBJECTIVE 3:**

ESTABLISH STRATEGIES TO ADDRESS THE IMMEDIATE EFFECTS OF A DISASTER.

### Policy 1.20

Increase communication capabilities in preparation for all phases of a disaster and ensure communication abilities extend to hard-to-reach areas and special populations.

## Policy 2.4

Bolster the Department of Emergency Management's role as the City's provider of emergency planning and communication, and prioritize its actions to meet the needs of San Francisco.

### Policy 2.15

Utilize advancing technology to enhance communication capabilities in preparation for all phases of a disaster, particularly in the high-contact period immediately following a disaster.

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## Policy 3.7:

Develop a system to convey personalized information during and immediately after a disaster.

*The Project will enhance the ability of the City to protect both life and property from the effects of a fire or natural disaster by providing communication services.* 

- 16. **Planning Code Section 101.1(b)** establishes eight priority-planning policies and requires review of permits for consistency with said policies. On balance, the project complies with said policies in that:
  - A. That existing neighborhood-serving retail uses be preserved and enhanced and future opportunities for resident employment in and ownership of such businesses be enhanced.

The wireless communications network will enhance personal communication services for businesses and customers in the surrounding area.

B. That existing housing and neighborhood character be conserved and protected in order to preserve the cultural and economic diversity of our neighborhoods.

No residential uses will be displaced or altered in any way by the granting of this Authorization.

C. That the City's supply of affordable housing be preserved and enhanced,

The Project will have no adverse effects on housing in the vicinity.

D. That commuter traffic not impede MUNI transit service or overburden our streets or neighborhood parking.

Due to the nature of the Project and minimal maintenance or repair, municipal transit service will not be significantly impeded, and neighborhood parking will not be overburdened.

E. That a diverse economic base be maintained by protecting our industrial and service sectors from displacement due to commercial office development, and that future opportunities for resident employment and ownership in these sectors be enhanced.

The Project will not cause any displacement of industrial and service sector activity.

F. That the City achieve the greatest possible preparedness to protect against injury and loss of life in an earthquake.

The Project will be designed and will be constructed to conform to the structural and seismic safety requirements of the Building Code. This proposal will not impact the property's ability to withstand an earthquake.

G. That landmarks and historic buildings be preserved.

The facility will be located on existing stadium light poles surrounding Kezar Stadium within the Golden Gate Park Historic District. While the proposed facility will be minimally visible from surrounding public rights-of-way, the height and general aesthetics of the existing light poles will remain the same, and the proposed equipment will not significantly alter the current appearance or character of the project vicinity. The proposed work will not physically alter any historic features or materials that characterize known or potential historic resources where these installations occur.

*Furthermore, the proposed WTS facility has been found to be in conformance with the Secretary of the Interior's Standards for Rehabilitation.* 

H. That our parks and open space and their access to sunlight and vistas be protected from development.

The Project will not adversely affect parks or open space, nor their access to sunlight or public vistas. Although the Project is located within a public park, the public park (Golden Gate Park) is still afforded access to sunlight, which should not dramatically affect the use and enjoyment of this park. The Project will not adversely affect parks or open space, nor their access to sunlight or public vistas.

- 17. The Project is consistent with and would promote the general and specific purposes of the Code provided under Section 101.1(b) in that, as designed, the Project would contribute to the character and stability of the neighborhood and would constitute a beneficial development.
- 18. The Commission hereby finds that approval of the Conditional Use Authorization would promote the health, safety and welfare of the City.

# DECISION

That based upon the Record, the submissions by the Applicant, the staff of the Department and other interested parties, the oral testimony presented to this Commission at the public hearings, and all other written materials submitted by all parties, the Commission hereby **APPROVES Conditional Use Authorization Application No. 2019-019985CUA** subject to the following conditions attached hereto as "EXHIBIT A" in general conformance with plans on file, dated February 12, 2020, and stamped "EXHIBIT B", which is incorporated herein by reference as though fully set forth.

**APPEAL AND EFFECTIVE DATE OF MOTION:** Any aggrieved person may appeal this Conditional Use Authorization to the Board of Supervisors within thirty (30) days after the date of this Motion. The effective date of this Motion shall be the date of this Motion if not appealed (after the 30-day period has expired) OR the date of the decision of the Board of Supervisors if appealed to the Board of Supervisors. For further information, please contact the Board of Supervisors at (415) 554-5184, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

**Protest of Fee or Exaction:** You may protest any fee or exaction subject to Government Code Section 66000 that is imposed as a condition of approval by following the procedures set forth in Government Code Section 66020. The protest must satisfy the requirements of Government Code Section 66020(a) and must be filed within 90 days of the date of the first approval or conditional approval of the development referencing the challenged fee or exaction. For purposes of Government Code Section 66020, the date of imposition of the fee shall be the date of the earliest discretionary approval by the City of the subject development.

If the City has not previously given Notice of an earlier discretionary approval of the project, the Planning Commission's adoption of this Motion, Resolution, Discretionary Review Action or the Zoning Administrator's Variance Decision Letter constitutes the approval or conditional approval of the development and the City hereby gives **NOTICE** that the 90-day protest period under Government Code Section 66020 has begun. If the City has already given Notice that the 90-day approval period has begun for the subject development, then this document does not re-commence the 90-day approval period.

I hereby certify that the Planning Commission ADOPTED the foregoing Motion on May 28, 2020.

Jonas P. Ionin Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: May 28, 2020 SAN FRANCISCO PLANNING DEPARTMENT

# **EXHIBIT A**

# **AUTHORIZATION**

This authorization is for a conditional use to allow a wireless telecommunications facility (d.b.a. AT&T Mobility) located at 755 Stanyan Street (also known as 670 Kezar Drive), Block 1700, and Lot 001 pursuant to Planning Code Section(s) 303(c) and 211.2 within the P (Public) District and a, OS Height and Bulk District; in general conformance with plans, dated February 12, 2020, and stamped "EXHIBIT B" included in the docket for Record No. 2019-019985CUA and subject to conditions of approval reviewed and approved by the Commission on **May 28, 2020** under Motion No **XXXXXX**. This authorization and the conditions contained herein run with the property and not with a particular Project Sponsor, business, or operator.

# **RECORDATION OF CONDITIONS OF APPROVAL**

Prior to the issuance of the building permit or commencement of use for the Project the Zoning Administrator shall approve and order the recordation of a Notice in the Official Records of the Recorder of the City and County of San Francisco for the subject property. This Notice shall state that the project is subject to the conditions of approval contained herein and reviewed and approved by the Planning Commission on **May 28, 2020** under Motion No **XXXXXX**.

# PRINTING OF CONDITIONS OF APPROVAL ON PLANS

The conditions of approval under the 'Exhibit A' of this Planning Commission Motion No. **XXXXXX** shall be reproduced on the Index Sheet of construction plans submitted with the site or building permit application for the Project. The Index Sheet of the construction plans shall reference to the Conditional Use authorization and any subsequent amendments or modifications.

## **SEVERABILITY**

The Project shall comply with all applicable City codes and requirements. If any clause, sentence, section or any part of these conditions of approval is for any reason held to be invalid, such invalidity shall not affect or impair other remaining clauses, sentences, or sections of these conditions. This decision conveys no right to construct, or to receive a building permit. "Project Sponsor" shall include any subsequent responsible party.

# **CHANGES AND MODIFICATIONS**

Changes to the approved plans may be approved administratively by the Zoning Administrator. Significant changes and modifications of conditions shall require Planning Commission approval of a new Conditional Use authorization.

# Conditions of Approval, Compliance, Monitoring, and Reporting PERFORMANCE

1. **Validity.** The authorization and right vested by virtue of this action is valid for three (3) years from the effective date of the Motion. The Department of Building Inspection shall have issued a Building Permit or Site Permit to construct the project and/or commence the approved use within this three-year period.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

2. **Expiration and Renewal.** Should a Building or Site Permit be sought after the three (3) year period has lapsed, the project sponsor must seek a renewal of this Authorization by filing an application for an amendment to the original Authorization or a new application for Authorization. Should the project sponsor decline to so file, and decline to withdraw the permit application, the Commission shall conduct a public hearing in order to consider the revocation of the Authorization. Should the Commission not revoke the Authorization following the closure of the public hearing, the Commission shall determine the extension of time for the continued validity of the Authorization.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

- 3. **Diligent pursuit.** Once a site or Building Permit has been issued, construction must commence within the timeframe required by the Department of Building Inspection and be continued diligently to completion. Failure to do so shall be grounds for the Commission to consider revoking the approval if more than three (3) years have passed since this Authorization was approved. *For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org*
- 4. **Extension.** All time limits in the preceding three paragraphs may be extended at the discretion of the Zoning Administrator where implementation of the project is delayed by a public agency, an appeal or a legal challenge and only by the length of time for which such public agency, appeal or challenge has caused delay.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

5. **Conformity with Current Law.** No application for Building Permit, Site Permit, or other entitlement shall be approved unless it complies with all applicable provisions of City Codes in effect at the time of such approval.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

# **DESIGN – COMPLIANCE AT PLAN STAGE**

6. **Final Materials.** The Project Sponsor shall continue to work with Planning Department on the building design. Final materials, glazing, color, texture, landscaping, and detailing shall be subject to Department staff review and approval. The architectural addenda shall be reviewed and approved by the Planning Department prior to issuance.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, <u>www.sf-planning.org</u>

- 7. **Plan Drawings WTS**. Prior to the issuance of any building or electrical permits for the installation of the facilities, the Project Sponsor shall submit final scaled drawings for review and approval by the Planning Department ("Plan Drawings"). The Plan Drawings shall describe:
  - A. Structure and Siting. Identify all facility related support and protection measures to be installed. This includes, but is not limited to, the location(s) and method(s) of placement, support, protection, screening, paint and/or other treatments of the antennas and other appurtenances to insure public safety, insure compatibility with urban design, architectural and historic preservation principles, and harmony with neighborhood character.
  - B. For the Project Site, regardless of the ownership of the existing facilities. Identify the location of all existing antennas and facilities; and identify the location of all approved (but not installed) antennas and facilities.
  - C. Emissions. Provide a report, subject to approval of the Zoning Administrator, that operation of the facilities in addition to ambient RF emission levels will not exceed adopted FCC standards with regard to human exposure in uncontrolled areas.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, <u>www.sf-planning.org</u>

- 8. **Screening WTS.** To the extent necessary to ensure compliance with adopted FCC regulations regarding human exposure to RF emissions, and upon the recommendation of the Zoning Administrator, the Project Sponsor shall:
  - A. Modify the placement of the facilities;
  - B. Install fencing, barriers or other appropriate structures or devices to restrict access to the facilities;
  - C. Install multi-lingual signage, including the RF radiation hazard warning symbol identified in ANSI C95.2 1982, to notify persons that the facility could cause exposure to RF emissions;
  - D. Implement any other practice reasonably necessary to ensure that the facility is operated in compliance with adopted FCC RF emission standards.
  - E. To the extent necessary to minimize visual obtrusion and clutter, installations shall conform to the following standards:
  - F. Antennas and back up equipment shall be painted, fenced, landscaped or otherwise treated architecturally so as to minimize visual effects;
  - G. Rooftop installations shall be setback such that back up facilities are not viewed from the street;

- H. Antennae attached to building facades shall be so placed, screened or otherwise treated to minimize any negative visual impact; and
- I. Although co location of various companies' facilities may be desirable, a maximum number of antennas and back up facilities on the Project Site shall be established, on a case by case basis, such that "antennae farms" or similar visual intrusions for the site and area is not created.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, <u>www.sf-planning.org</u>

# **MONITORING - AFTER ENTITLEMENT**

9. Enforcement. Violation of any of the Planning Department conditions of approval contained in this Motion or of any other provisions of Planning Code applicable to this Project shall be subject to the enforcement procedures and administrative penalties set forth under Planning Code Section 176 or Section 176.1. The Planning Department may also refer the violation complaints to other city departments and agencies for appropriate enforcement action under their jurisdiction. *For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863,* 

www.sf-planning.org

10. **Revocation due to Violation of Conditions.** Should implementation of this Project result in complaints from interested property owners, residents, or commercial lessees which are not resolved by the Project Sponsor and found to be in violation of the Planning Code and/or the specific conditions of approval for the Project as set forth in Exhibit A of this Motion, the Zoning Administrator shall refer such complaints to the Commission, after which it may hold a public hearing on the matter to consider revocation of this authorization.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

11. **Implementation Costs - WTS**. The Project Sponsor, on an equitable basis with other WTS providers, shall pay the cost of preparing and adopting appropriate General Plan policies related to the placement of WTS facilities. Should future legislation be enacted to provide for cost recovery for planning, the Project Sponsor shall be bound by such legislation.

The Project Sponsor or its successors shall be responsible for the payment of all reasonable costs associated with implementation of the conditions of approval contained in this authorization, including costs incurred by this Department, the Department of Public Health, the Department of Technology, Office of the City Attorney, or any other appropriate City Department or agency. The Planning Department shall collect such costs on behalf of the City.

The Project Sponsor shall be responsible for the payment of all fees associated with the installation of the subject facility, which are assessed by the City pursuant to all applicable law. *For information about compliance, contact Code Enforcement, Planning Department at* 415-575-6863,

<u>www.sf-planning.org</u>

12. **Implementation and Monitoring - WTS**. In the event that the Project implementation report includes a finding that RF emissions for the site exceed FCC Standards in any uncontrolled location, the Zoning Administrator may require the Applicant to immediately cease and desist operation of the facility until such time that the violation is corrected to the satisfaction of the Zoning Administrator.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

- 13. **Project Implementation Report WTS**. The Project Sponsor shall prepare and submit to the Zoning Administrator a Project Implementation Report. The Project Implementation Report shall:
  - A. Identify the three dimensional perimeter closest to the facility at which adopted FCC standards for human exposure to RF emissions in uncontrolled areas are satisfied;
  - B. Document testing that demonstrates that the facility will not cause any potential exposure to RF emissions that exceed adopted FCC emission standards for human exposure in uncontrolled areas.
  - C. The Project Implementation Report shall compare test results for each test point with applicable FCC standards. Testing shall be conducted in compliance with FCC regulations governing the measurement of RF emissions and shall be conducted during normal business hours on a non-holiday weekday with the subject equipment measured while operating at maximum power.
  - D. Testing, Monitoring, and Preparation. The Project Implementation Report shall be prepared by a certified professional engineer or other technical expert approved by the Department. At the sole option of the Department, the Department (or its agents) may monitor the performance of testing required for preparation of the Project Implementation Report. The cost of such monitoring shall be borne by the Project Sponsor pursuant to the condition related to the payment of the City's reasonable costs.
  - E. Notification and Testing. The Project Implementation Report shall set forth the testing and measurements undertaken pursuant to Conditions 2 and 4.
  - F. Approval. The Zoning Administrator shall request that the Certification of Final Completion for operation of the facility not be issued by the Department of Building Inspection until such time that the Project Implementation Report is approved by the Department for compliance with these conditions.

*For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, <u>www.sfdph.org</u>* 

14. **Coverage and Capacity Verification.** Use is authorized as long as an independent evaluator, selected by the Planning Department, determines that the information and conclusions submitted by the wireless service provider in support of its request for conditional use are accurate. The wireless service provider shall fully cooperate with the evaluator and shall provide any and all data requested by the evaluator to allow the evaluator to verify that the maps, data, and conclusions about service coverage and capacity submitted are accurate. The wireless service provider shall be evaluation. The independent evaluator, upon request by the

wireless service provider shall keep the submitted data confidential and shall sign a confidentiality agreement acceptable to the wireless service provider. The independent evaluator shall be a professional engineer licensed by the State of California.

For information about compliance, contact the Case Planner, Planning Department at 415-575-9079, *www.sf-planning.org*.

- 15. **Notification prior to Project Implementation Report WTS.** The Project Sponsor shall undertake to inform and perform appropriate tests for residents of any dwelling units located within 25 feet of the transmitting antenna at the time of testing for the Project Implementation Report.
  - A. At least twenty calendar days prior to conducting the testing required for preparation of the Project Implementation Report, the Project Sponsor shall mail notice to the Department, as well as to the resident of any legal dwelling unit within 25 feet of a transmitting antenna of the date on which testing will be conducted. The Applicant will submit a written affidavit attesting to this mail notice along with the mailing list.
  - B. When requested in advance by a resident notified of testing pursuant to subsection (a), the Project Sponsor shall conduct testing of total power density of RF emissions within the residence of that resident on the date on which the testing is conducted for the Project Implementation Report.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

16. **Installation - WTS.** Within 10 days of the installation and operation of the facilities, the Project Sponsor shall confirm in writing to the Zoning Administrator that the facilities are being maintained and operated in compliance with applicable Building, Electrical and other Code requirements, as well as applicable FCC emissions standards.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

17. **Periodic Safety Monitoring - WTS.** The Project Sponsor shall submit to the Zoning Administrator 10 days after installation of the facilities, and every two years thereafter, a certification attested to by a licensed engineer expert in the field of EMR/RF emissions, that the facilities are and have been operated within the then current applicable FCC standards for RF/EMF emissions.

*For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, <u>www.sfdph.org</u>* 

# OPERATION

18. **Community Liaison.** Prior to issuance of a building permit to construct the project and implement the approved use, the Project Sponsor shall appoint a community liaison officer to deal with the issues of concern to owners and occupants of nearby properties. The Project Sponsor shall provide the Zoning Administrator and all registered neighborhood groups for the area with written notice of the name, business address, and telephone number of the community liaison. Should the contact information change, the Zoning Administrator and registered neighborhood groups shall be made

aware of such change. The community liaison shall report to the Zoning Administrator what issues, if any, are of concern to the community and what issues have not been resolved by the Project Sponsor.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

19. **Out of Service** – **WTS**. The Project Sponsor or Property Owner shall remove antennae and equipment that has been out of service or otherwise abandoned for a continuous period of six months.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

20. Emissions Conditions – WTS. It is a continuing condition of this authorization that the facilities be operated in such a manner so as not to contribute to ambient RF/EMF emissions in excess of then current FCC adopted RF/EMF emission standards; violation of this condition shall be grounds for revocation.

*For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, <u>www.sfdph.org</u>* 

21. Noise and Heat – WTS. The WTS facility, including power source and cooling facility, shall be operated at all times within the limits of the San Francisco Noise Control Ordinance. The WTS facility, including power source and any heating/cooling facility, shall not be operated so as to cause the generation of heat that adversely affects a building occupant. *For information about compliance, contact the Environmental Health Section, Department of Public Health* 

at (415) 252-3800, <u>www.sfdph.org</u>

22. **Transfer of Operation – WTS**. Any carrier/provider authorized by the Zoning Administrator or by the Planning Commission to operate a specific WTS installation may assign the operation of the facility to another carrier licensed by the FCC for that radio frequency provided that such transfer is made known to the Zoning Administrator in advance of such operation, and all conditions of approval for the subject installation are carried out by the new carrier/provider.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, <u>www.sf-planning.org</u>

23. **Compatibility with City Emergency Services – WTS**. The facility shall not be operated or caused to transmit on or adjacent to any radio frequencies licensed to the City for emergency telecommunication services such that the City's emergency telecommunications system experiences interference, unless prior approval for such has been granted in writing by the City. *For information about compliance, contact the Department of Technology,* 415-581-4000, *http://sfgov3.org/index.aspx?page=1421* 



# PROJECT TEAM

APPLICANT / LESSEE:

AT&T MOBILITY 5001 EXECUTIVE PARKWAY, 4W550E SAN RAMON, CA 94583 CONTACT: TAYIIKA (TY) LOGAN-BURKS EMAIL: TL784A@ATT.COM PH: 925.549.4671

CONSTRUCTION MANAGER:

ERICSSON CONTACT: RAYMOND KIKEL EMAIL: RAYMOND.KIKEL@ ERICSSON.COM PH: (916) 870-9483

# RF ENGINEER:

AT&T MOBILITY CONTACT: EDWIN AVILES EMAIL: EA5477@ATT.COM PH: (909) 997-9917

A&E MANAGER:

J5 INFRASTRUCTURE PARTNERS contact: STEVEN M. RAMON email: sramon@j5ip.com ph: (949) 247-7767 ext 158

SITE INFORMATION

PROPERTY OWNER: CITY PROPERTY 25 VAN AVE. SAN FRANCISCO CA,94102

JURISDICTION: A.P.N.: CURRENT ZONING: EXISTING USE: PROPOSED USE: LATITUDE (NAD 83): 37° 46' 03.00" N LONGITUDE (NAD 83): 122° 27' 22.79" W

CITY OF SAN FRANCISCO 1700-001 P - PUBLIC MULTIUSE MULTIUSE, COMMUNICATIONS FACILITY

**PROJECT MANAGER:** 

CONTACT: MISAKO HILL

EMAIL: MHILL@J5IP.COM

PH: (415) 533-2540

J5 INFRASTRUCTURE PARTNERS

ACCESSIBILITY REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY IS NOT REQUIRED PER CBC2019, SECTION 11B-203.4 (LIMITED ACCESS SPACE)

POWER AGENCY: TBD PH: TBD TELEPHONE AGENCY: AT&T

RFDS VERSION: 4.00 DATE UPDATED: 5/30/19 VICINITY MAP



# GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE PLANS ARE FORMATTED TO BE FULL SIZE AT 24" X 36". CONTRACTORS SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

# GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

# STATEMENTS

STRUCTURAL ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWINGS SET. FOR ANALYSIS OF EXISTING AND/OR PROPOSED COMPONENTS, REFER TO STRUCTURAL ANALYSIS PROVIDED UNDER SEPARATE COVER.

ANTENNA MOUNT ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWING SET. FOR ANALYSIS OF MOUNT TO SUPPORT EXISTING AND/OR PROPOSED COMPONENTS, REFER TO ANTENNA MOUNT STRUCTURAL ANALYSIS PROVIDED UNDER SEPARATE COVER.





SITE NUMBER: SITE NAME: SITE TYPE: ADDRESS:

# CCL03269 RSFR NSB CCL03269 - KEZAR MR STADIUM LIGHT POLE / OUTDOOI 670 KEZAR DR. SAN FRANCISCO, CA 94118

# CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

CALIFORNIA BUILDING STANDARDS CODE: 2019 TRIENNIAL EDITION OF TITLE 24, WITH AN EFFECTIV DATE OF JANUARY 1, 2020. PART 1 - CALIFORNIA ADMINISTRATIVE CODE PART 2 - CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE PART 2.5 - CALIFORNIA RESIDENTIAL CODE, BASED ON THE 2018 INTERNATIONAL RESIDENTIAL COD PART 3 - CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NATIONAL ELECTRICAL CODE PART 4 - CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE PART 5 - CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE PART 6 - CALIFORNIA ENERGY CODE PART 7 - VACANT PART 8 - CALIFORNIA HISTORICAL BUILDING CODE PART 9 - CALIFORNIA FIRE CODE, BASED ON THE 2018 INTERNATIONAL FIRE CODE PART 10 - CALIFORNIA EXISTING BUILDING CODE, BASED ON THE 2018 INTERNATIONAL EXISTING **BUILDING CODE** PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (ALSO KNOWN AS CALGREEN) PART 12 - CALIFORNIA REFERENCED STANDARDS CODE ANSI/TIA-222 (REV H) 3. 2018 NFPA 101, LIFE SAFETY CODE 4. 2019 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE 5. 2019 NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS DRIVING DIRECTIONS DIRECTIONS FROM AT&T OFFICE: 5001 EXECUTIVE PARKWAY, SAN RAMON, CA 94583 1. GET ON I-608 S FROM BOLLINGER CANYON RD. 2. FOLLOW I-608 S TO CA-262 S/MISSION BLVD IN FREMONT. 3. TAKE EXIT 12 FROM I-680 S. 4. TAKE US-101 N TO OCTAVIA BLVD IN SAN FRANCISCO. 5. TAKE FELL ST TO KEZAR DR

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	<ul> <li>EQUIPMENT SOW:</li> <li>INSTALLATION OF (1) AT&amp;T CIENNA/HOOFMAN BOX MOUNTED ON PROPOSED H-FRAME (TELCO P.O.C.)</li> <li>INSTALLATION (1) SUB METER MOUNTED NEAR POWER P.O.C.</li> <li>INSTALLATION (1) 14'-0'x11'-4'x8'-0" HIGH WROUGHT IRON FENCE</li> <li>INSTALLATION OF (1) EMERSON DC POWER PLANT CABINETS WITH (12) 185ah BATTERIES</li> <li>INSTALLATION OF (1) BATTERY CABINET W/ (20) 185ah BATTERIES</li> <li>INSTALLATION OF (4) PURCELL CABINETS (STACKED)</li> </ul>	: SHEET TITLE:	<b>T-1</b>
	<ul> <li>INSTALLATION OF (4) FORCELL CADINETS (STACKED)</li> <li>INSTALLATION OF (1) GPS ANTENNA MOUNTED ON WROUGHT IRON FENCE</li> <li>PROPOSED ±700' LONG ACCESS EASEMENT</li> <li>INSTALLATION OF (4) DROUGHT-TOLERANT COYOTE BUSH (BACCHARIS PILULARIS) TO BE INSTALLED AROUND ENCLOSURE</li> <li>INSTALLATION OF (1) STAND-BY AC GENERATOR WITHIN CMU</li> </ul>	ER: SHEET NAME.	TITLE SHEET
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GENERAL CONSTRUCTION NOTES:

- 1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISH APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- 2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT C THE CONTRACT DOCUMENTS.
- 3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOUR EXCAVATION, SITE WORK OR CONSTRUCTION.
- 4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENI INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- 5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC / UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTAN PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WI AND REGULATIONS.
- REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYO ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE C SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
- 7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMEN OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
- 8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
- 9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM A ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCUF SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM E INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- 10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCT DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESC NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENG INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
- 11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED FINAL INSPECTION OF WORK.
- 12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO IT'S ORIGINAL COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCUR "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJEC
- 13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK O CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
- 14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

# APPLICABLE CODES, REGULATIONS AND STANDARDS:

- 1. SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION.
- 2. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
- 3. SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
- 3.1. AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- 3.2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES 3.3.
- 3.4. INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
- 3.5. IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")
- TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK 3.6.
- EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION 3.7.
- TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING 3.8.
- 3.9. TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
- 3.10. TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS
- 3.11. ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS
- 3.12. FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

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	GLUE LAMINATED BE GLOBAL POSITIONING GROUND IEADER IANGER IEIGHT GOLATED COPPER G NCH(ES) NTERIOR OUND(S) AG BOLTS INEAR FEET (FOOT) ONG(ITUDINAL) MASONRY MAXIMUM MACHINE BOLT MACHINE BOLT MACHINE BOLT MACHINE BOLT MACHINE BOLT MACHINE BOLT MAXIMUM MACHINE BOLT MECHANICAL MANUFACTURER MINIMUM MISCELLANEOUS METAL IEW IUMBER IOT TO SCALE ON CENTER OPENING RECAST CONCRETE ERSONAL COMMUN
F F F F F F C F	LYWOOD OWER PROTECTION RIMARY RADIO CAE OUNDS PER SQUAR OUNDS PER SQUAR RESSURE TREATED OWER (CABINET) QUANTITY ADIUS

**ABBREVIATIONS:** 

# SYMBOLS LEGEND:

OFFICE

	BLDG. SECTION	d
A5	WALL SECTION	
A-310		
D5 A-500	DETAIL	
A-113		
A-113 A-113	ELEVATION	
A1 A-113		
(001)		
	WINDOW SYMBOL	
3	TILT-UP PANEL MARK	OH -
	PROPERTY LINE	Tel -
	CENTERLINE	
• <sup>±0"</sup>	ELEVATION DATUM	
(A)	GRID/COLUMN LINE	
	KEYNOTE, DIMENSION ITEM	
	KEYNOTE, CONSTRUCTION ITEM	
W- 3	WALL TYPE MARK	
	ROOM NAME ROOM NUMBER	

FIN.

FLR.

eviations:				
FOUNDATION FACE OF CONCRETE	SCH. Sht.	SCHEDULE Sheet	DR:	<b>JS</b> INFRASTRUCTURE
FACE OF MASONRY FACE OF STUD	SIM. SPEC.	SIMILAR SPECIFICATIONS	ENDC	2030 MAIN STREET, SUITE 200
FACE OF WALL FINISH SURFACE	SQ. S.S.	SQUARE STAINLESS STEEL	>	IRVINE, CALIFORNIA 92614
FOOT (FEET) FOOTING	STL.	STANDARD STEEL		
GROWTH (CABINET) GAUGE	STRUC. TEMP.	STRUCTURAL TEMPORARY		[
GALVANIZE(D) GROUND FAULT CIRCUIT	THK. T.N.	THICK (NESS) TOE NAIL		
GLUE LAMINATED BEAM	T.O.A. T.O.C.	TOP OF ANTENNA TOP OF CURB		S at at
GLOBAL POSITIONING SYSTEM GROUND	T.O.F. T.O.P.	TOP OF FOUNDATION TOP OF PLATE (PARAPET)	CANT	dläl
HEADER HANGER	T.O.S. T.O.W.	TOP OF STEEL	PPLIC	mobility corp.
HEIGHT	TYP.		$\triangleleft$	1452 EDINGER AVE. TUSTIN, CALIFORNIA 92780
INCH(ES)	U.L.			
POUND(S)	0.N.O. V.I.F.	VERIFY IN FIELD		
LAG BOLIS LINEAR FEET (FOOT)	W W/	WIDE (WIDTH) WITH		
long(itudinal) Masonry	WD. W.P.	WOOD WEATHERPROOF		CCL03269
MAXIMUM MACHINE BOLT	WT. C	WEIGHT CENTERLINE		
MECHANICAL MANUFACTURER	Р	PLATE, PROPERTY LINE	÷	RSFR NSB CCL03269 - KEZAR
			ATION	
METAL			DRM,	
NUMBER			INFO	SAN FRANCISCO,
ON CENTER			SITE	CA 94118
OPENING PRECAST CONCRETE				
PERSONAL COMMUNICATION				FA#: 13254035 PACE#: MRSFR045999
PLYWOOD POWER PROTECTION CABINET				PT#: 3701A0EHXM
PRIMARY RADIO CABINET				USID#: 196848
POUNDS PER SQUARE INCH				
POWER (CABINET)				
RADIUS				
REFERENCE REINFORCEMENT(ING)				
REQUIRED RIGID GALVANIZED STEEL			CORE	
			A REC	
			ESIGN	
a a a a a a a a a a a a a a a a a a a	GROUT OR PLASTER			
	(E) BRICK			I         02/12/20         UPDATED 100% ZDs           O         11/18/19         ISSUED FOR 100% ZDs
	(E) MASONRY			REV DATE DESCRIPTION
	CONCRETE		- Fi	
			AP:	
	SAND		STAN	
	PLYWOOD		NAL	
	Sand		SSIO	
	(E) STEEL		ROFE	It is a violation of law for any
-⊖	MATCH LINE		۵_	persons, unless they are acting under the direction of a
· · ·	GROUND CONDUCTOR			licensed professional engineer to alter this document
—— OH ——	OVERHEAD SERVICE CC	NDUCTORS		
Tel			Ŀ!	
Coax	COAXIAL CABLE			GN-1
——————	CHAIN LINK FENCE		SHE	
	WOOD FENCE			L
ITEM	(P) ANTENNA		NAME	CENEDAL MOTES
	(P) RRU (P) DC SURGE SUPPRESS	ION	HEET	GENERAL NOIES
	(F) ANTENNA			L
	(F) RRU		ABER	
	(E) EQUIPMENT		T NUV	2 OF 10
			SHEE	



&T operates antennas at this site.	
yond This Point you are entering an area here radio frequency (RF) fields may exceed e FCC General Population Exposure Limits.	
low safety guidelines for working in an RF vironment.	
ntact AT&T at 800-638-2822, option 9 and 3, d follow their instructions prior to performing any aintenance or repairs above this point.	
NO-2A-AL 120 This is AT&T Site	
Notice Sign 2 (8" x 12")	
A	

On this tower:

Radio frequency (RF) fields near some antennas may exceed the FCC Occupational Exposure Limits Contact AT&T at 800-638-2822, option 9 and 3, and follow their instructions prior to performing maintenance or repairs beyond this point. Personnel climbing this tower should be trained for working in RF environments and use a personal RF monitor if working near active antennas. Caution Sign aCAOTT-AL-057 This is AT&T site

Caution Sign 2B Tower (8" x 12") Use for Towers only

**Caution Sign 2C Parapet** (5" x 7")

**A**CAUTION

AT&T operates antennas at this site

FCC Occupational Exposure Limits.

Candian Sign #CASTP-AL-887 This is AT&T site

**A**CAUTION

AT&T operates antennas at this site.

FCC Occupational Exposure Limits.

Caution Days #CARIT- AL-MAT This is AT&T site

environment

Beyond This Point you are entering an area

Follow safety guidelines for working in an RF

Contact AT&T at 800-638-2822, option 9 and 3,

maintenance or repairs beyond this point.

and follow their instructions prior to performing

where radio frequency (RF) fields may exceed the

Beyond This Point you are entering an area

Follow safety guidelines for working in an RF

Contact AT&T at 800-638-2822, option 9 and 3,

maintenance or repairs beyond this point.

and follow their instructions prior to performing

Caution Sign 2

(8" x 12")

where radio frequency (RF) fields may exceed the

CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE w/ AT&T WIRELESS DOCUMENT #03-0074, RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.

2. FABRICATION:

\*SIGN I-1: ENTRANCE DOOR, SEE DETAIL 1A, THIS SHEET

SIGN 1 IS TO BE MADE ON THE 50 MIL ALUMINUM SHEETING (SIZE 8 INCHES BY 12 INCHES) w/ FOUR (4)  $\frac{1}{4}$  INCH MOUNTING HOLES, ONE EACH CORNER OF THE SIGN FOR MOUNTING W/ HARDWARE W/ TIE WRAPS. THE MAIN BACKGROUND COLOR IS TO BE WHITE FRONT & BACK W/ BLACK LETTERING.

THE INFORMATION BAND SHALL BE 1.2 INCH SOLID GREEN BAND w. 0.5 INCH HIGH BLACK LETTERING. THE BODY TEXT SHALL BE IN BLACK LETTERING w/0.2 INCH HIGH LETTERS. THE REF LINE SHALL BE IN  $\frac{1}{8}$  INCH LETTERS.

THE PLACEMENT OF TEXT SHALL BE DONE IN A MANNER THAT WILL PERMIT EASY READING FROM A DISTANCE OF APPROXIMATELY 6 FEET IN FRONT OF THE SIGN.

ALL PAINT WILL BE BAKED W/ENAMEL W/ UV PROTECTIVE COATING OVER THE FACE OF THE SIGN.

**A**CAUTION

AT&T operates antennas at this site.

FCC Occupational Exposure Limits.

Caution Sign #CA2SA-AL-128 This is AT&T site

environment.

In The Striped Area you are entering an area

Follow safety guidelines for working in an RF

Contact AT&T at 800-638-2822, option 9 and 3,

and follow their instructions prior to performing

maintenance or repairs within the striped area.

Caution Sign 2A

(8" x 12")

Use only if instructed by RF Safety

where radio frequency (RF) fields may exceed the

\*SIGN 1-2: POLE, SEE DETAIL 1B, THIS SHEET

SIGN 2 MUST BE A NON METALLIC LABEL w/ AN ADHESIVE BACKING, THE LABEL SHALL BE MADE USING VINYL OR SIMILAR WEATHERPROOF MATERIAL. THE LABEL SHALL BE APPROXIMATELY 5X7 INCHES W/ A WHITE BACKGROUND AND BLACK LETTERING. THE GREEN BAND SHALL BE 1.375 INCH IN HEIGHT & THE LETTERING SHALL BE BLACK W/ 0.75 INCH HIGH LETTERS. THE TEXT LETTERING SHALL BE BLACK  $w/\frac{1}{8}$  INCH HIGH LETTERS. UV PROTECTION SHALL BE PLACED OVER THE FRONT OF THE LABEL

\*SIGN 1-3: BACK OF ANTENNAS, SEE DETAIL 1C & 3, THIS SHEET

\*SIGN 3 IS A 1 INCH X 2 INCH PANEL THAT CAN BE APPLIED TO THE BACK OR SIDE OF AN ANTENNA TO IDENTIFY IT AS AN AT&T ANTENNA.

\*SIGN 1-4: SIDE OF ANTENNAS, SEE DETAIL 1D & 3, THIS SHEET

SIGN 4 IS MADE FROM TRANSPARENT MATERIAL 1-1/2 INCHES WIDE & 24 INCHES LONG. THE LETTERING IS TO BE BLACK  $w\frac{1}{2}$  INCH LETTERING IN A VERTICAL COLUMN. THE SPACING BETWEEN WORDS MUST BE SUCH THAT IT IS EASILY READ & FILLS THE LENGTH OF THE SIGN.

**ALERTING & INFORMATION SIGNAGE** 2 ALERTI N.T.S.

# SIGNAGE AND STRIPING INFORMATION

- THE FOLLOWING INFORMATION IS A GUIDELINE w/ RESPECT TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATIONS SHOULD BE IN CONFLICT w/ ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.
- THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 1mWcm\*2 AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 5mWcm\*2
- IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET ABOVE THE GROUND OR WORKING PLATFORM LINE OF THE PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO STRIPING OR BARRICADES SHOULD BE NEEDED.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND striping.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES & STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.
- ALL TRANSMIT ANTENNAS REQUIRE A THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN SHALL BE PROVIDED TO THE CONTRACTOR Y THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER SIGN SHALL BE PLACED IN PLAIN SIGHT AT ALL ROOF ACCESS LOCATIONS AND ON ALL BARRICADES. THE SMALLER SIGN SHALL BE PLACED ON THE ANTENNA ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY w/ ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS. ALL SIGNS SHALL HAVE AT&T'S NAME AND THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED AREAS. THIS TELEPHONE NUMBER SHALL BE PROVIDED TO THE CONTRACTOR BY THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.
- PHOTOS OF ALL STRIPING, BARRICADES & SIGNAGE SHALL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION. STRIPING SHALL BE DONE w/ FADE RESISTANT YELLOW SAFETY PAINT IN A CROSS-HATCH PATTERN AS DETAILED BY THE CONSTRUCTION DRAWINGS. ALL BARRICADES SHALL BE MADE OF AN RF FRIENDLY MATERIAL SO AS NOT TO BLOCK OR INTERFERE w/ THE OPERATION OF THE ANTENNAS. BARRICADES SHALL BE PAINTED w/ FADE RESTRAINT YELLOW SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF FRIENDLY BARRICADES NEEDED, & SHALL PROVIDE THE AT&T CONSTRUCTION PROJECT MANAGER w/ A DETAILED SHOP DRAWING OF EACH BARRICADE. UPON CONSTRUCTION COMPLETION.



GENERAL NOTES

N.T.S.









![](_page_27_Figure_0.jpeg)

![](_page_27_Figure_1.jpeg)

	RF SCHEDULE POLE #1				
		ANTENNA			
SE	ECTOR	MFR./MODEL #	(H)	AZIMUTH	CTR
JR "A"	Al	COMMSCOPE / SBNHH-1D65A	55.6"	0°	80'-0''
SECTO	A2	COMMSCOPE / SBNHH-1D65A	55.6"	0°	74'-0''
DR "B"	B1	COMMSCOPE / SBNHH-1D65A	55.6"	240°	80'-0''
SECTO	B2	COMMSCOPE / SBNHH-1D65A	55.6"	240°	74'-0''
DR "C"	C1	COMMSCOPE / SBNHH-1D65A	55.6"	110°	80'-0''
SECTO	C2	COMMSCOPE / SBNHH-1D65A	55.6"	110°	74'-0''

TRANSMISSION LINES FOR POLE #1 (LENGTH FT. +/-)				
FEEDER TYPE	QTY.	LENGTH		
(P) FIBER	2	±125'-0''		
(P) DC POWER	6	±125'-0''		

IOTES	ΤO	C

![](_page_28_Figure_4.jpeg)

3/4" = 1'-0"

	RF SCHEDULE POLE #2				
		ANTENNA			
SECTOR		MFR./MODEL #	SIZE	AZIMUTH	CTR
JR "A"	A1	COMMSCOPE / SBNHH-1D65A	55.6"	0°	80'-0''
SECTO	A2	COMMSCOPE / SBNHH-1D65A	55.6"	0°	74'-0''
DR "B"	B1	COMMSCOPE / SBNHH-1D65A	55.6"	240°	80'-0''
SECTO	B2	COMMSCOPE / SBNHH-1D65A	55.6"	240°	74'-0''
DR "C"	C1	COMMSCOPE / SBNHH-1D65A	55.6"	110°	80'-0''
SECTO	C2	COMMSCOPE / SBNHH-1D65A	55.6"	110°	74'-0''

TRANSMI	SSION LINES FOR I (LENGTH FT. +/-)	POLE #2	NC	otes to c
FEEDER TYPE	QTY.	LENGTH	•	
(P) FIBER	2	±280'-0''	•	CABLE
(P) DC POWER	6	±280'-0''		ACTUA

![](_page_29_Figure_2.jpeg)

![](_page_30_Figure_0.jpeg)

![](_page_31_Figure_1.jpeg)

PROPOSED GENERATOR ELEVATION 3/8" = 1'-0"

![](_page_31_Figure_3.jpeg)

PROPOSED EQUIPMENT ELEVATION 3/4" = 1'-0"

![](_page_32_Picture_0.jpeg)

Install (12) panel antennas, RRUs on existing stadium light pole

![](_page_32_Picture_2.jpeg)

![](_page_32_Picture_3.jpeg)

View 1 of 4

![](_page_32_Picture_5.jpeg)

**CCL03269** 

670 Kezar Drive San Francisco CA 94118

Set 1 - 3/20/18

![](_page_33_Picture_0.jpeg)

Install (12) panel antennas, RRUs on existing stadium light pole

![](_page_33_Picture_2.jpeg)

![](_page_33_Picture_3.jpeg)

![](_page_33_Picture_4.jpeg)

![](_page_33_Picture_5.jpeg)

**CCL03269** 

670 Kezar Drive San Francisco CA 94118

Set 1 - 3/20/18

![](_page_34_Picture_0.jpeg)

Install (12) panel antennas, RRUs on existing stadium light pole

![](_page_34_Picture_2.jpeg)

![](_page_34_Picture_3.jpeg)

View 3 of 4

![](_page_34_Picture_5.jpeg)

![](_page_35_Picture_0.jpeg)

![](_page_35_Picture_1.jpeg)

**PHOTOSIMULATION** Install (12) panel antennas, RRUs on exisitng stadium light pole

![](_page_35_Picture_3.jpeg)

![](_page_35_Picture_4.jpeg)

![](_page_36_Picture_0.jpeg)

![](_page_36_Picture_1.jpeg)

![](_page_36_Picture_2.jpeg)

![](_page_36_Picture_3.jpeg)

![](_page_37_Picture_0.jpeg)

# SAN FRANCISCO PLANNING DEPARTMENT

# **CEQA** Categorical Exemption Determination

# PROPERTY INFORMATION/PROJECT DESCRIPTION

Project Address		Block/Lot(s)	
755 STANYAN ST/670 KEZAR DRIVE		1700001	
Case No.		Permit No.	
2019-019985PRJ			
Addition/ Alteration	Demolition (requires HRE for Category B Building)	New Construction	
Project description for	Planning Department approval.		

At the north side of Kezar Stadium, to be installed on two existing stadium light poles along Kezar Drive between Arguello Boulevard and Stanyan Street. Installation of a new AT&T Mobility macro wireless telecommunications facility consisting of twelve (12) ATT panel Antennas, twenty-four (24) ATT remote radio heads on existing stadium light poles, and ancillary equipment including ground mounted equipment screened behind an iron fence.

# **STEP 1: EXEMPTION CLASS**

The p Act (	project has been determined to be categorically exempt under the California Environmental Quality CEQA).
	Class 1 - Existing Facilities. Interior and exterior alterations; additions under 10,000 sq. ft.
	<b>Class 3 - New Construction.</b> Up to three new single-family residences or six dwelling units in one building; commercial/office structures; utility extensions; change of use under 10,000 sq. ft. if principally permitted or with a CU.
	<ul> <li>Class 32 - In-Fill Development. New Construction of seven or more units or additions greater than 10,000 sq. ft. and meets the conditions described below:</li> <li>(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.</li> <li>(b) The proposed development occurs within city limits on a project site of no more than 5 acres substantially surrounded by urban uses.</li> <li>(c) The project site has no value as habitat for endangered rare or threatened species.</li> <li>(d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.</li> <li>(e) The site can be adequately served by all required utilities and public services.</li> <li>FOR ENVIRONMENTAL PLANNING USE ONLY</li> </ul>
	Class

### STEP 2: CEQA IMPACTS TO BE COMPLETED BY PROJECT PLANNER

	<b>Air Quality:</b> Would the project add new sensitive receptors (specifically, schools, day care facilities, hospitals, residential dwellings, and senior-care facilities within an Air Pollution Exposure Zone? Does the project have the potential to emit substantial pollutant concentrations (e.g., backup diesel generators, heavy industry, diesel trucks, etc.)? ( <i>refer to EP_ArcMap &gt; CEQA Catex Determination Layers &gt; Air Pollution Exposure Zone</i> )
	<ul> <li>Hazardous Materials: If the project site is located on the Maher map or is suspected of containing hazardous materials (based on a previous use such as gas station, auto repair, dry cleaners, or heavy manufacturing, or a site with underground storage tanks): Would the project involve 50 cubic yards or more of soil disturbance - or a change of use from industrial to residential?</li> <li>Note that a categorical exemption shall not be issued for a project located on the Cortese List if the applicant presents documentation of enrollment in the San Francisco Department of Public Health (DPH) Maher program, a DPH waiver from the Maher program, or other documentation from Environmental Planning staff that hazardous material effects would be less than significant (refer to EP_ArcMap &gt; Maher layer).</li> </ul>
	<b>Transportation:</b> Does the project involve a child care facility or school with 30 or more students, or a location 1,500 sq. ft. or greater? Does the project have the potential to adversely affect transit, pedestrian and/or bicycle safety (hazards) or the adequacy of nearby transit, pedestrian and/or bicycle facilities?
	<b>Archeological Resources:</b> Would the project result in soil disturbance/modification greater than two (2) feet below grade in an archeological sensitive area or eight (8) feet in a non-archeological sensitive area? If yes, archeo review is required ( <i>refer to EP_ArcMap &gt; CEQA Catex Determination Layers &gt; Archeological Sensitive Area</i> )
	<b>Subdivision/Lot Line Adjustment:</b> Does the project site involve a subdivision or lot line adjustment on a lot with a slope average of 20% or more? ( <i>refer to EP_ArcMap &gt; CEQA Catex Determination Layers &gt; Topography</i> ). If yes, Environmental Planning must issue the exemption.
	<b>Slope = or &gt; 25%:</b> Does the project involve any of the following: (1) square footage expansion greater than 500 sq. ft. outside of the existing building footprint, (2) excavation of 50 cubic yards or more of soil, (3) new construction? ( <i>refer to EP_ArcMap &gt; CEQA Catex Determination Layers &gt; Topography</i> ) <b>If box is checked, a geotechnical report is required and Environmental Planning must issue the exemption.</b>
	Seismic: Landslide Zone: Does the project involve any of the following: (1) square footage expansion greater than 500 sq. ft. outside of the existing building footprint, (2) excavation of 50 cubic yards or more of soil, (3) new construction? (refer to EP_ArcMap > CEQA Catex Determination Layers > Seismic Hazard Zones) If box is checked, a geotechnical report is required and Environmental Planning must issue the exemption.
	Seismic: Liquefaction Zone: Does the project involve any of the following: (1) square footage expansion greater than 500 sq. ft. outside of the existing building footprint, (2) excavation of 50 cubic yards or more of soil, (3) new construction? (refer to EP_ArcMap > CEQA Catex Determination Layers > Seismic Hazard Zones) If box is checked, a geotechnical report will likely be required and Environmental Planning must issue the exemption.
Com	ments and Planner Signature (optional): Mathew Chandler

# STEP 3: PROPERTY STATUS - HISTORIC RESOURCE

TO BE COMPLETED BY PROJECT PLANN	ER
----------------------------------	----

10 0			
PROP	PROPERTY IS ONE OF THE FOLLOWING: (refer to Property Information Map)		
	Category A: Known Historical Resource. GO TO STEP 5.		
	Category B: Potential Historical Resource (over 45 years of age). GO TO STEP 4.		
	Category C: Not a Historical Resource or Not Age Eligible (under 45 years of age). GO TO STEP 6.		

# STEP 4: PROPOSED WORK CHECKLIST

# TO BE COMPLETED BY PROJECT PLANNER

Check	Check all that apply to the project.		
	1. Change of use and new construction. Tenant improvements not included.		
	2. Regular maintenance or repair to correct or repair deterioration, decay, or damage to building.		
	3. Window replacement that meets the Department's Window Replacement Standards. Does not include storefront window alterations.		
	4. Garage work. A new opening that meets the <i>Guidelines for Adding Garages and Curb Cuts</i> , and/or replacement of a garage door in an existing opening that meets the Residential Design Guidelines.		
	5. Deck, terrace construction, or fences not visible from any immediately adjacent public right-of-way.		
	<ol> <li>Mechanical equipment installation that is not visible from any immediately adjacent public right-of-way.</li> </ol>		
	7. <b>Dormer installation</b> that meets the requirements for exemption from public notification under <i>Zoning Administrator Bulletin No. 3: Dormer Windows</i> .		
	8. <b>Addition(s)</b> that are not visible from any immediately adjacent public right-of-way for 150 feet in each direction; does not extend vertically beyond the floor level of the top story of the structure or is only a single story in height; does not have a footprint that is more than 50% larger than that of the original building; and does not cause the removal of architectural significant roofing features.		
Note:	Project Planner must check box below before proceeding.		
	Project is not listed. GO TO STEP 5.		
	Project does not conform to the scopes of work. GO TO STEP 5.		
	Project involves four or more work descriptions. GO TO STEP 5.		
	Project involves less than four work descriptions. GO TO STEP 6.		

# STEP 5: CEQA IMPACTS - ADVANCED HISTORICAL REVIEW

## TO BE COMPLETED BY PROJECT PLANNER

Chec	k all that apply to the project.
	1. Project involves a <b>known historical resource (CEQA Category A)</b> as determined by Step 3 and conforms entirely to proposed work checklist in Step 4.
	2. Interior alterations to publicly accessible spaces.
	3. Window replacement of original/historic windows that are not "in-kind" but are consistent with existing historic character.
	4. Façade/storefront alterations that do not remove, alter, or obscure character-defining features.
	5. <b>Raising the building</b> in a manner that does not remove, alter, or obscure character-defining features.
	6. <b>Restoration</b> based upon documented evidence of a building's historic condition, such as historic photographs, plans, physical evidence, or similar buildings.

	7. Addition(s), including mechanical equipment that are minimally visible from a public right-of-way and meet the Secretary of the Interior's Standards for Rehabilitation.
	8. <b>Other work consistent</b> with the Secretary of the Interior Standards for the Treatment of Historic Properties (specify or add comments):
	Work will be undertaken on existing poles and will not affect poles that are decorative or historic in nature. Equipment is designed to be slim in profile and to avoid large bundles of visible cabling, equipment decals, lighting, or mounting systems so that adjacent buildings are not materially or visually impaired. Work will not physically alter any historic features or materials that characterize known or potential historic
	9. Other work that would not materially impair a historic district (specify or add comments):
	(Requires approval by Senior Preservation Planner/Preservation Coordinator)
	10. <b>Reclassification of property status</b> . (Requires approval by Senior Preservation Planner/Preservation
	Reclassify to Category A     Reclassify to Category C
	a. Per HRER or PTR dated (attach HRER or PTR)
	b. Other <i>(specify)</i> :
	Note: If ANY box in STEP 5 above is checked, a Preservation Planner MUST sign below.
	<b>Project can proceed with categorical exemption review</b> . The project has been reviewed by the Preservation Planner and can proceed with categorical exemption review. <b>GO TO STEP 6.</b>
Comm	ents (optional):
Preser	vation Planner Signature: Natalia Kwiatkowska
STE TO E	P 6: CATEGORICAL EXEMPTION DETERMINATION BE COMPLETED BY PROJECT PLANNER

There are no unusual circumstances that would result in a reasonable possibility of a significant effect.		
Project Approval Action:	Signature:	
Planning Commission Hearing	Mathew Chandler	
	05/20/2020	
Once signed or stamped and dated, this document constitutes a categorical exemption pursuant to CEQA Guidelines and Chapter 31of the Administrative Code.		
In accordance with Chapter 31 of the San Francisco Administrative Code, an appeal of an exemption determination can only be		
filed within 30 days of the project receiving the approval action. Please note that other approval actions may be required for the project. Please contact the assigned planner for these approvals.		

# **Parcel Map**

![](_page_41_Picture_1.jpeg)

PROJECT SITE

![](_page_41_Picture_3.jpeg)

# Sanborn Map\*

![](_page_42_Figure_1.jpeg)

\*The Sanborn Maps in San Francisco have not been updated since 1998, and this map may not accurately reflect existing conditions.

![](_page_42_Picture_3.jpeg)

![](_page_43_Picture_1.jpeg)

![](_page_43_Picture_2.jpeg)

![](_page_44_Picture_1.jpeg)

![](_page_44_Picture_2.jpeg)

![](_page_45_Picture_1.jpeg)

![](_page_45_Picture_2.jpeg)

![](_page_45_Picture_3.jpeg)

![](_page_46_Picture_1.jpeg)

![](_page_46_Picture_2.jpeg)

![](_page_46_Picture_3.jpeg)

# **Zoning Map**

![](_page_47_Picture_1.jpeg)

![](_page_47_Picture_2.jpeg)

![](_page_48_Picture_1.jpeg)

Above: North building adjacent to Kezar Drive, building nearest the proposed facilities.

![](_page_48_Picture_3.jpeg)

Above: South building adjacent to Frederick Street.

![](_page_49_Picture_1.jpeg)

Above: Photos of the subject site from the SFPD Park Police Station to the north at Kezar Drive near Waller Street.

![](_page_50_Picture_1.jpeg)

Above: Kezar Pavilion at Stanyan Street located to the east of the proposed facilities.

![](_page_50_Picture_3.jpeg)

Above: Kezar Stadium entrance at Arguello Boulevard to the west of the proposed facilities.

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

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal wireless telecommunications carrier, to evaluate the base station (Site No. CCL03269) proposed to be located at 670 Kezar Drive in San Francisco, California, for compliance with appropriate guidelines limiting human exposure to radio frequency ("RF") electromagnetic fields.

# Background

The San Francisco Department of Public Health has adopted an 11-point checklist for determining compliance of proposed WTS facilities or proposed modifications to such facilities with prevailing safety standards. The acceptable limits set by the FCC for exposures of unlimited duration are:

	Transmit	"Uncontrolled"	Occupational Limit
Wireless Service Band	Frequency	Public Limit	(5 times Public)
Microwave (point-to-point)	1–80 GHz	$1.0 \text{ mW/cm}^2$	$5.0 \text{ mW/cm}^2$
Millimeter-wave	24-47	1.0	5.0
Part 15 (WiFi & other unlicensed)	2-6	1.0	5.0
BRS (Broadband Radio)	2,490 MHz	1.0	5.0
WCS (Wireless Communication)	2,305	1.0	5.0
AWS (Advanced Wireless)	2,110	1.0	5.0
PCS (Personal Communication)	1,930	1.0	5.0
Cellular	869	0.58	2.9
SMR (Specialized Mobile Radio)	854	0.57	2.85
700 MHz	716	0.48	2.4
[most restrictive frequency range]	30-300	0.20	1.0

# Checklist

Reference has been made to information provided by AT&T, including construction drawings by J5 Infrastructure Partners, dated June 11, 2018. It should be noted that the calculation results in this Statement include several "worst-case" assumptions and therefore are expected to overstate actual power density levels from the proposed operations.

1. <u>The location, identity, and total number of all operational radiating antennas installed at this site.</u>

There are reported no wireless base stations installed at the site.

2. <u>List all radiating antennas located within 100 feet of the site that could contribute to the cumulative radio frequency energy at this location.</u>

There are reported no other WTS facilities within 100 feet of this site.

![](_page_51_Picture_12.jpeg)

# 3. <u>Provide a narrative description of the proposed work for this project.</u>

AT&T proposes to install twelve antennas. This is consistent with the scope of work described in the drawings for transmitting elements.

# 4. <u>Provide an inventory of the make and model of antennas or transmitting equipment being installed</u> <u>or removed.</u>

AT&T proposes to install twelve CommScope Model SBNHH-1D65A directional panel antennas on the two tall light poles sited on either side of the scoreboard building on the north side of Kezar Stadium. The antennas would employ up to 18° downtilt, would be mounted at effective heights of about 74 and 80 feet above ground, and would be oriented in stacked groups of four toward 0°T, 110°T, and 240°T, to provide service in all directions.

5. <u>Describe the existing radio frequency energy environment at the nearest walking/working surface</u> to the antennas and at ground level. This description may be based on field measurements or calculations.

There is no installed access to areas near the proposed antenna locations. Because there are no antennas at the site presently, existing RF levels for a person at ground near the site are presumed to be well below the applicable public exposure limit.

6. <u>Provide the maximum effective radiated power per sector for the proposed installation</u>. The power should be reported in watts and reported both as a total and broken down by frequency band.

The maximum effective radiated power proposed by AT&T in any direction would be 15,130 watts, representing simultaneous operation at 2,730 watts for WCS, 4,100 watts for AWS, 4,020 watts for PCS, 1,610 watts for cellular, and 2,670 watts for 700 MHz service.

7. <u>Describe the maximum cumulative predicted radio frequency energy level for any nearby publicly</u> <u>accessible building or area.</u>

The maximum calculated cumulative level at any nearby building is 8.2% of the public limit; this occurs at the scoreboard building, located between the two poles.

8. <u>Report the estimated cumulative radio frequency fields for the proposed site at ground level.</u>

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation by itself is calculated to be  $0.038 \text{ mW/cm}^2$ , which is 6.1% of the applicable public exposure limit. Cumulative RF levels at ground level near the site are therefore estimated to be well below the applicable public limit.

![](_page_52_Picture_13.jpeg)

9. <u>Provide the maximum distance (in feet) the three dimensional perimeter of the radio frequency</u> <u>energy level equal to the public and occupational exposure limit is calculated to extend from the</u> <u>face of the antennas.</u>

The three-dimensional perimeters of RF levels equal to the public and occupational exposure limits are calculated to extend up to 80 and 33 feet out from the antenna faces, respectively, and to much lesser distances above, below, and to the sides; this does not reach any publicly accessible areas.

10. <u>Provide a description of whether or not the public has access to the antennas.</u> <u>Describe any</u> <u>existing or proposed warning signs, barricades, barriers, rooftop striping or other safety</u> <u>precautions for people nearing the equipment as may be required by any applicable FCC-adopted</u> <u>standards.</u>

Due to their mounting locations and heights, the AT&T antennas would not be accessible to unauthorized persons, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. To prevent occupational exposures in excess of the FCC guidelines, it is recommended that appropriate RF safety training, to include review of personal monitor use and lockout/tagout procedures, be provided to all authorized personnel who have access to the structure, including employees and contractors of the wireless carriers and of the property owner. No access within 33 feet directly in front of the AT&T antennas themselves, such as might occur during certain maintenance activities, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. It is recommended that explanatory signs<sup>\*</sup> be posted at the antennas and/or on the poles below the antennas, readily visible from any angle of approach to persons who might need to work within that distance.

# 11. Statement of authorship and qualification.

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2019. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

<sup>\*</sup> Signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (*e.g.*, a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter; the San Francisco Department of Public Health recommends that all signs be written in English, Spanish, and Chinese.

![](_page_53_Picture_8.jpeg)

# Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that operation of the base station proposed by AT&T Mobility at 670 Kezar Drive in San Francisco, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Training authorized personnel and posting explanatory signs are recommended to establish compliance with occupational exposure limits.

M-20676 William Hampett, P.E. H 707/996-5200 6-30-2019

March 27, 2019

![](_page_54_Picture_5.jpeg)

![](_page_55_Picture_0.jpeg)

San Francisco City and County Department of Public Health

London Breed, Mayor Grant Colfax, MD, Director of Health

Environmental Health Branch

Stephanie K.J. Cushing, MSPH, CHMM, REHS Director of Environmental Health

%

### **Review of Cellular Antenna Site Proposals**

<b>Project Sponsor :</b> <u>AT&amp;T</u>	Vireless Planner:	Ashley Lindsay	
<b>RF Engineer Consultant:</b>	Hammett & Edison	Phone Number:	(707) 996-5200
Project Address/Location:	670 Kezar Drive		
Site ID: <u>3375</u>	SiteNo.: CCL03269	<b>Report Dated:</b>	6/22/2018

The following information is required to be provided before approval of this project can be made. These information requirements are established in the San Francisco Planning Department Wireless Telecommunications Services Facility Sitting Guidelines dated August 1996.

In order to facilitate quicker approval of this project, it is recommended that the project sponsor review this document before submitting the proposal to ensure that all requirements are included.

X 1. The location, identity and total number of all operational radiating antennas installed at this site was provided. (WTS-FSG, Section 10.4.1, Section 11, 2b)

Number of Existing Antennas: 0

- X 2. A list of all radiating antennas located within 100 feet of the site which could contribute to the cumulative radio frequency energy at this location was provided. (WTS-FSG, Section 10.5.2)
   Yes
- X 3. A narrative description of the proposed work for this project was provided. The description should be consistent with scope of work for the final installation drawings. (WTS-FSG, Section 10)

Yes

- **X** 4. An inventory of the make and model of antennas or transmitting equipment being installed or removed was provided. The antenna inventory included the proposed installation height above the nearest walking/working surface, the height above ground level and the orientations of the antennas. (WTS-FSG, Section 10.5.2)
  - Yes
- **X** 5. A description of the existing radio frequency energy environment at the nearest walking/working surface to the antennas and at ground level was provided. A description of any assumptions made when doing the calculations was also provided. (WTS-FSG, Section 10.4.1a, Section 10.4.1c, Section 10.5)

● Yes ○ No

**X** 6. The maximum effective radiated power per sector for the proposed installation was provided along with the frequency bands used by the antennas. (WTS-FSG, Section 10.1.2, Section 10.5.1)

Maximum Effective Radiated Power: 7830 Watts

X 7. Based on the antenna orientation, the maximum cumulative predicted radio frequency energy level for any nearby publicly accessible building or area was provided. (WTS-FSG, Section 10.4, Section 10.5.1)

Maximum percent of applicable FCC public standard at the nearest building or structure: **2.9** % Distance to this nearby building or structure: **40** feet

 

 X
 8. The estimated maximum cumulative radio frequency fields for the proposed site at ground level. (WTS-FSG, Section 10.5)

 Maximum RF Exposure:
 0.015
 mW/cm<sup>2</sup>
 Maximum RF Exposure Percent:
 2.2

 **X** 9. The maximum distance (in feet) the three dimensional perimeter of the radio frequency energy level equal to the public and occupational exposure limit is calculated to extend from the face of the antennas was provided. Any potential walking/working surfaces exceeding regulatory standards were identified. (WTS-FSG, Section 10.9.2)

Public Exclusion Area	Public Exclusion In Feet:	58
Occupational Exclusion Area	Occupational Exclusion In Feet:	23

X 10. A description of whether or not the public has access to the antennas was provided. A description was also provided of any existing or proposed warning signs, barricades, barriers, rooftop stripping or other safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards. All signs will be provided in English, Spanish and Chinese. (WTS-FSG, Section 9.5, Section 10.9.2)

• Yes O No

X 11. Statement regarding the engineer who produced the report and their qualifications was provided. The engineer is licensed in the State of California. (WTS-FSG, Section 11,8)

• Yes O No

X Approved. Based on the information provided the following staff believes that the project proposal will comply with the current Federal Communication Commission safety standards for radiofrequency radiation exposure. FCC standard <u>CFR47 1.1310</u> Approval of the subsequent Project Implementation Report is based on project sponsor completing recommendations by project consultant and DPH.

### Comments:

There are no antennas existing operated by AT&T Wireless installed on the field lights at 670 Kezar Drive. Existing RF levels at ground level were around 1% of the FCC public exposure limit. No other antennas were observed within 100 feet of this site. AT&T Wireless proposes to install 12 new antennas. The antennas are mounted at a height of 74 and 80 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.015 mW/sq cm., which is 2.2% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 58 feet and does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Workers should not have access to within 23 feet of the front of the antennas while they are in operation. Due to their mounting locations and heights, the AT&T antennas would not be accessible to unauthorized persons.

Not Approved, additional information required.

**Not Approved**, does not comply with Federal Communication Commission safety standards for radiofrequency radiation exposure. FCC Standard

1 Hours spent reviewing

Charges to Project Sponsor (in addition to previous charges, to be received at time of receipt by Sponsor)

Signed:

Dated: 7/22/2019

Arthur Duque Environmental Health Management Section San Francisco Dept. of Public Health 1390 Market St., Suite 210, San Francisco, CA. 94102 (415) 252-3966

![](_page_57_Figure_0.jpeg)

![](_page_57_Figure_1.jpeg)

😂 at&t

# **Existing Surrounding Sites**

![](_page_58_Picture_1.jpeg)

![](_page_58_Picture_2.jpeg)

# Exhibit 2 – Existing LTE 700 Coverage

![](_page_59_Figure_1.jpeg)

![](_page_59_Picture_2.jpeg)

March 13, 2020

![](_page_59_Picture_4.jpeg)

# Exhibit 3 - Proposed LTE 700 Coverage - 670 Kezar Dr. @ RC = 80 ft.

![](_page_60_Figure_1.jpeg)

![](_page_60_Picture_2.jpeg)

![](_page_61_Picture_0.jpeg)

WILLIAM F. HAMMETT, P.E. RAJAT MATHUR, P.E. ROBERT P. SMITH, JR. ANDREA L. BRIGHT, P.E. NEIL J. OLIJ, P.E. BRIAN F. PALMER MANAS REDDY M. DANIEL RO

Robert L. Hammett, P.E. 1920-2002 Edward Edison, P.E. 1920-2009

DANE E. ERICKSEN, P.E. CONSULTANT

BY E-MAIL MHILL@J5IP.COM

March 20, 2020

Ms. Misako Hill Senior Project Manager/Zoning Specialist J5 Infrastructure Partners 2030 Main Street, Suite 1300 Irvine, California 92614

Dear Misako:

As requested, we have conducted the review required by the City of San Francisco of the coverage maps that AT&T Mobility will submit as part of its application package for its base station proposed to be located at 670 Kezar Drive (Site No. CCL03269). This is to fulfill the submittal requirements for Planning Department review.

# **Executive Summary**

We concur with the maps provided by AT&T. The maps provided to show the before and after conditions represent the carrier's present and post-installation coverage.

Based on information provided by AT&T, construction drawings by J5 Infrastructure Partners, dated June 11, 2018, it is proposed to install twelve CommScope Model SBNHH-1D65A directional panel antennas on the two tall light poles sited on either side of the scoreboard building on the north side of Kezar Stadium. The antennas would employ up to 18° downtilt, would be mounted at effective heights of about 74 and 80 feet above ground, and would be oriented in stacked groups of four toward 0°T, 110°T, and 240°T, to provide service in all directions. The maximum effective radiated power proposed by AT&T in any direction would be 15,130 watts, representing simultaneous operation at 2,730 watts for WCS, 4,100 watts for AWS, 4,020 watts for PCS, 1,610 watts for cellular, and 2,670 watts for 700 MHz service.

Ms. Misako Hill, page 2 March 20, 2020

AT&T provided for review two coverage maps, dated March 13, 2020,\* attached for reference. The maps show AT&T's 4G LTE 700 MHz coverage in the area <u>before</u> and <u>after</u> the site is operational. Both the before and after maps show three levels of coverage, which AT&T colors and defines as follows:

Green	Reliable service
Yellow	Marginal Service – Some calls may not go through
Blue	Unreliable Service – May not be possible to complete a call

We undertook a two-step process in our review. As a first step, we obtained information from AT&T on the software and the service thresholds that were used to generate its coverage maps. This carrier uses commercially available software to produce the maps. The service thresholds that AT&T uses to are in line with industry standards, similar to the thresholds used by other wireless service providers.

As a second step, we conducted our own drive test, using an Ascom TEMS Pocket network diagnostic tool with built-in GPS, to measure the actual AT&T LTE 4G 700 MHz signal strength in the vicinity of the proposed site. Our fieldwork was conducted on December 27, 2019, between 9:45 AM and 12:20 PM, along a measurement route selected to cover all the streets within the AT&T map area.

Based on the measurement data, we conclude that the AT&T 4G LTE 700 MHz coverage map showing the service area without the proposed installation includes areas of relatively weak signal levels in the carrier's present coverage. The map submitted to show the after coverage with the proposed base station in operation was reportedly prepared on the same basis as the map of the existing conditions and so is expected to accurately illustrate the improvements in coverage.

We appreciate the opportunity to be of service. Please let us know if any questions arise on this matter.

![](_page_62_Picture_7.jpeg)

<sup>\*</sup> The original November 21, 2019, maps have been recently re-issued.