



SAN FRANCISCO PLANNING DEPARTMENT

Executive Summary Conditional Use Authorization

HEARING DATE: AUGUST 7, 2014

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Date: July 31, 2014
Case No.: **2014.0682C**
Project Address: **401 Geneva Avenue**
Current Zoning: P (Public)
160-E Height and Bulk District
Blocks/Lots: 6949/011 and 6973/038
Project Sponsor: AT&T Mobility represented by
Eric Lentz, Ericsson, Inc.,
530 Bush Street, 5th Floor
San Francisco, CA
Staff Contact: Omar Masry – (415) 575-9116
Omar.Masry@sfgov.org

PROJECT DESCRIPTION

The proposal is to allow the relocation of an existing AT&T Mobility macro wireless telecommunication services (“WTS”) facility. The relocated macro WTS facility would consist of nine (9) panel antennas mounted to an existing monopole, and electronic equipment necessary to run the facility within a new equipment shelter adjacent to the existing Balboa Park Bay Area Rapid Transit (BART) Station’s rail platform building. Based on the land use, the modified WTS facility is proposed on a Location Preference 1 Site (Preferred Location, Publicly-Used Structure, Balboa Park BART Station) according to the WTS Facilities Siting Guidelines.

The BART Station features an existing AT&T Mobility macro WTS facility on a 40-foot tall light standard within a pedestrian plaza on the south side of Geneva Avenue. The WTS facility was originally approved (Case No. 1997.133C) for up to three (3) panel antennas, however the site currently features six (6) panel antennas. The proposed modification would remove the entire WTS facility, including electronic equipment within an adjacent building, and relocate the facility to the north side of Geneva Avenue, where an existing 101-foot tall monopole features panel antennas for a Verizon Wireless macro WTS facility. The Verizon Wireless monopole was developed under BART jurisdiction and was not previously reviewed by the City and County of San Francisco.

The panel antennas utilized by AT&T Mobility would be mounted mid-pole in three stacked sectors (locations), with three antennas per sector. Conduit (cabling) connecting the antennas would be placed inside the monopole. The panel antennas would measure approximately 55” high, by 12” wide, by 7” thick, and would feature a minimal offset (approximately 10 inches) from the monopole. Conduit would be placed underground and run eastward toward the rail platform building where an equipment shelter will be installed adjacent to the east facing side of the building. The approximately 183 square-foot

equipment shelter would be treated with exterior wall surfaces intended to mimic the existing concrete walls of the platform building.

In the event the relocated AT&T Mobility macro WTS facility is approved and constructed, the carrier would be required to remove the existing facility from the light standard and equipment building at the south plaza; the previous Conditional Use Authorization (Case No. 1997.133C) would no longer be considered valid.

SITE DESCRIPTION AND PRESENT USE

The Project Site is the Balboa Park BART Station, located on Assessor's Block 6949, Lot 011 and Assessor's Block 6973, Lot 038 at the northeast corner of Interstate 280 and Geneva Avenue. The existing Verizon Wireless monopole is located at the western edge of the BART Station, between the rail platform building and the northbound on-ramp from Geneva Avenue to Interstate 280. The existing AT&T Mobility macro WTS facility is located on Assessor's Block 6973, Lot 038, at the southeast corner of Interstate 280 and Geneva Avenue within a pedestrian plaza. The Balboa Park BART Station was developed in 1964.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The Project Site lies within the Outer Mission neighborhood and is surrounded by Balboa Park to the north, rail support buildings (Curtis E. Green Light Rail Center) for the San Francisco Municipal Transit Authority (MUNI) to the east, the south plaza of the Balboa Park BART Station to the south, and Interstate 280 to the west.

ENVIRONMENTAL REVIEW

The Project is exempt from the California Environmental Quality Act ("CEQA") as a Class 3 categorical exemption. The categorical exemption and all pertinent documents may be found in the files of the Planning Department, as the custodian of records, at 1650 Mission Street, San Francisco.

HEARING NOTIFICATION

TYPE	REQUIRED PERIOD	REQUIRED NOTICE DATE	ACTUAL NOTICE DATE	ACTUAL PERIOD
Classified News Ad	20 days	July 18, 2014	July 18, 2014	20 days
Posted Notice	20 days	July 18, 2014	July 17, 2014	21 days
Mailed Notice	10 days	July 28, 2014	July 18, 2014	20 days

PUBLIC COMMENT

As of July 31, 2014, the Department has received one inquiry from a community member regarding the proposed Project.

In addition, the Project Sponsor held a community meeting at the San Francisco Public Library (Ingleside Branch), at 1298 Ocean Avenue, to discuss the Project at 6:00 p.m. on July 2, 2014. No community members attended the meeting.

ISSUES AND OTHER CONSIDERATIONS

- Health and safety aspects of all wireless Projects are reviewed under the Department of Public Health and the Department of Building Inspection. The RF emissions associated with this Project have been determined to comply with limits established by the Federal Communications Commission (FCC).
- An updated Five Year Plan with approximate longitudinal and latitudinal coordinates of proposed locations, including the Project Site, is on file with the Planning Department.
- All required public notifications were conducted in compliance with the Planning Code and adopted WTS policies.

REQUIRED COMMISSION ACTION

Pursuant to Sections 234.2(b) and 303 of the Planning Code, a Conditional Use Authorization is required for a macro WTS facility in a P (Public) Zoning District.

BASIS FOR RECOMMENDATION

This Project is necessary and/or desirable under Section 303 of the Planning Code for the following reasons:

- The Project complies with the applicable requirements of the Planning Code.
- The Project is consistent with the Objectives and Policies of the General Plan.
- The Project is consistent with the 1996 WTS Facilities Siting Guidelines, Planning Commission Resolution No. 14182, 16539, and 18523 supplementing the 1996 WTS Guidelines.
- Health and safety aspects of all wireless projects are reviewed under the Department of Public Health and the Department of Building Inspections.
- The expected RF emissions fall well within the limits established by the Federal Communications Commission (FCC).
- The Project Site is considered a Preferred Location (Location Preference 1), according to the Wireless Telecommunications Services (WTS) Facilities Siting Guidelines, as the Project Site is a Publicly-Used Structure (Balboa Park BART Station).
- While new (and major modifications to existing) monopoles are generally discouraged by the Planning Department, the proposed collocation to existing monopole does represent one of the least intrusive means of site deployment in the neighborhood, and is at a relatively large setback from residential neighborhoods in the Outer Mission. Furthermore, the carrier was not able to identify alternate sites on taller buildings in the area with receptive property owners. Lastly, the existing monopole is relatively new (circa 2010) and it does not appear the addition of the AT&T Mobility WTS facility would substantially prolong the economic or structural "life" of the monopole.
- The panel antennas would be unscreened but located and designed in such a manner to reduce the visual clutter typically associated with freestanding monopole installations. The panel antennas would feature a limited offset from the pole, and ancillary electronic equipment, such as the radio relay units, would be placed in the equipment shelter. The equipment shelter would feature exterior wall surfaces that are intended to mimic the existing rail platform building.
- The facility would continue to avoid intrusion into public vistas, avoid disruption of the architectural integrity of building and insure harmony with neighborhood character.

- Based on propagation maps provided by AT&T Mobility, the Project would provide enhanced 700 - 2170 Megahertz 4G LTE (4th Generation, Long-Term-Evolution, voice and data) coverage in an area that currently experiences gaps in coverage and capacity.
- Based on the analysis provided by AT&T Mobility, the Project would provide additional capacity in an area that currently experiences insufficient service during periods of high data usage.
- Based on independent third-party evaluation, the maps, data, and conclusions about service coverage and capacity provided by AT&T Mobility are accurate.
- The Project has been reviewed by staff and found to be categorically exempt from further environmental review, as a Class 3 exemption of the California Environmental Quality Act.

RECOMMENDATION:	Approval with Conditions
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- | | |
|---|---|
| <input checked="" type="checkbox"/> Executive Summary | <input checked="" type="checkbox"/> Project sponsor submittal |
| <input checked="" type="checkbox"/> Draft Motion | Drawings: <u>Proposed Project</u> |
| <input checked="" type="checkbox"/> Zoning District Map | <input checked="" type="checkbox"/> Check for legibility |
| <input type="checkbox"/> Height & Bulk Map | <input checked="" type="checkbox"/> Photo Simulations |
| <input checked="" type="checkbox"/> Parcel Map | <input checked="" type="checkbox"/> Coverage Maps |
| <input checked="" type="checkbox"/> Sanborn Map | <input checked="" type="checkbox"/> RF Report |
| <input checked="" type="checkbox"/> Aerial Photo | <input checked="" type="checkbox"/> DPH Approval |
| <input checked="" type="checkbox"/> Context Photos | <input checked="" type="checkbox"/> Community Outreach Report |
| <input checked="" type="checkbox"/> Site Photos | <input checked="" type="checkbox"/> Independent Evaluation |

Exhibits above marked with an "X" are included in this packet _____om_____ Planner's Initials



SAN FRANCISCO PLANNING DEPARTMENT

Planning Commission Motion No. XXXXX

HEARING DATE: AUGUST 7, 2014

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ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTIONS 303(c) AND 234.2(b) TO INSTALL A MACRO WIRELESS TELECOMMUNICATIONS SERVICES FACILITY CONSISTING OF NINE UNSCREENED PANEL ANTENNAS ON AN EXISTING MONOPOLE AND ASSOCIATED EQUIPMENT LOCATED IN A NEW EQUIPMENT SHELTER AT THE BALBOA PARK BAY AREA RAPID TRANSIT DISTRICT STATION AS PART OF AT&T MOBILITY'S WIRELESS TELECOMMUNICATIONS NETWORK WITHIN A P (PUBLIC) ZONING DISTRICT, AND A 160-E HEIGHT AND BULK DISTRICT.

PREAMBLE

On May 6, 2014, AT&T Mobility (hereinafter "Project Sponsor"), submitted an application (hereinafter "Application"), for a Conditional Use Authorization on the property at 401 Geneva Avenue, Lot 011, in Assessor's Block 6949, and Lot 038 in Assessor's Block 6973 (hereinafter "Project Site") to install a wireless telecommunications service facility (hereinafter "WTS") consisting of nine (9) unscreened panel antennas on an existing monopole and equipment located in a new equipment shelter at the Balboa Park Bay Area Rapid Transit (BART) District Station, as part of AT&T Mobility's telecommunications network, within a P (Public) Zoning District, and a 160-E Height and Bulk District.

The Project is exempt from the California Environmental Quality Act ("CEQA") as a Class 3 Categorical Exemption (Section 15303 of the California Environmental Quality Act). The Planning Commission has reviewed and concurs with said determination. The categorical

exemption and all pertinent documents may be found in the files of the Planning Department (hereinafter "Department"), as the custodian of records, at 1650 Mission Street, San Francisco.

On August 7, 2014, the San Francisco Planning Commission (hereinafter "Commission") conducted a duly noticed public hearing at a regularly scheduled meeting on the Application for a Conditional Use Authorization.

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 in Application No. 2014.0682C, 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. **Site Description and Present Use.** The Project Site is the Balboa Park BART Station, located on Assessor's Block 6949, Lot 011, and Assessor's Block 6973, Lot 038 at the northeast corner of Interstate 280 and Geneva Avenue. There is an existing Verizon Wireless monopole that was developed in 2010, and is located at the western edge of the BART Station, between the rail platform building and the northbound on-ramp from Geneva Avenue to Interstate 280. There is also an existing AT&T Mobility macro WTS facility located on Assessor's Block 6973, Lot 038, at the southeast corner of Interstate 280 and Geneva Avenue within a pedestrian plaza. The Balboa Park BART Station was developed in 1964.
3. **Surrounding Properties and Neighborhood.** The Project Site lies within the Outer Mission neighborhood and is surrounded by Balboa Park to the north, rail support buildings (Curtis E. Green Light Rail Center) for the San Francisco Municipal Transit Authority (MUNI) to the east, the south plaza of the Balboa Park BART Station to the south, and Interstate 280 to the west.
4. **Project Description.** The proposal is to allow the relocation of an existing AT&T Mobility macro wireless telecommunication services ("WTS") facility. The relocated macro WTS facility would consist of nine (9) panel antennas mounted to an existing monopole, and electronic equipment necessary to run the facility within a new equipment shelter adjacent to the existing Balboa Park Bay Area Rapid Transit (BART) Station's rail platform building.

The BART Station features an existing AT&T Mobility macro WTS facility on a 40-foot tall light standard within a pedestrian plaza on the south side of Geneva Avenue. The WTS facility was originally approved (Case No. 1997.133C) for up to three (3) panel antennas, however the site currently features six (6) panel antennas. The proposed modification would remove the entire WTS facility, including electronic equipment within an adjacent building, and relocate the facility to the north side of Geneva Avenue, where an existing 101-foot tall monopole features panel antennas for a Verizon Wireless macro WTS facility. The Verizon Wireless monopole was developed under BART jurisdiction and was not previously reviewed by the City and County of San Francisco.

The panel antennas utilized by AT&T Mobility would be mounted mid-pole in three stacked sectors (locations), with three antennas per sector. Conduit (cabling) connecting the antennas would be placed inside the monopole. The panel antennas would measure approximately 55" high, by 12" wide, by 7" thick, and would feature a minimal offset (approximately 10 inches) from the monopole. Conduit would be placed underground, running eastward toward the rail platform building where an equipment shelter would be installed adjacent to the east facing side of the building. The approximately 183 square-foot equipment shelter would be treated with exterior wall surfaces intended to mimic the existing concrete walls of the platform building.

In the event the relocated AT&T Mobility macro WTS facility is approved and constructed, the carrier would remove the existing facility from the light standard and equipment building at the south plaza, and the previous Conditional Use Authorization (Case No. 1997.133C) would no longer be considered valid.

5. **Past History and Actions.** The Planning Commission adopted the *Wireless Telecommunications Services (WTS) Facilities Siting Guidelines* ("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 where 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.

6. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of zoning districts and building uses for the siting of wireless telecommunications facilities. Under the *Guidelines*, and based on the land use, the WTS facility is proposed on a Location Preference 1 Site (Publicly-Used Structure) according to the WTS Facilities Siting Guidelines.

Though not required by the WTS Guidelines, the carrier, AT&T Mobility, submitted an Alternative Site Analysis, which demonstrated the lack of available locations on existing buildings.

7. **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 in the 700 – 2,170 Megahertz (MHZ) bands, 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.
8. **Radiofrequency (RF) Emissions:** The Project Sponsor retained Hammett & Edison, Inc., 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.

9. **Department of Public Health Review and Approval.** The proposed Project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Existing radio-frequency (RF) levels at ground level were around 1% of the FCC public exposure limit.

AT&T Mobility proposes to install nine (9) panel antennas. The antennas would be mounted at a height of approximately 40 to 53 feet above the ground. The estimated ambient RF field from the proposed AT&T Mobility transmitters at ground level is calculated to be 0.019 mW/sq. cm., which is 2.5% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 44 feet and does not reach any publicly accessible areas, including the new roof deck. Warning signs must be posted at the antennas and roof access points in English, Spanish, and Chinese. Workers should not have access to the area (13 feet) directly in front of the antenna while it is in operation.

10. **Coverage and Capacity Verification.** The maps, data, and conclusion provided by AT&T Mobility to demonstrate need for outdoor and indoor coverage and capacity have been determined by Hammett & Edison, an engineering consultant and independent third party to accurately represent the carrier's present and post-installation conclusions.
11. **Maintenance Schedule.** The proposed facility would operate without on-site staff but with a two-person maintenance crew visiting the property approximately once a month and on an as-needed basis to service and monitor the facility.
12. **Community Outreach.** Per the *Guidelines*, the Project Sponsor held a community meeting at the San Francisco Public Library (Ingleside Branch), at 1298 Ocean Avenue, to discuss the Project at 6:00 p.m. on July 2, 2014. No community members attended the meeting.
13. **Five-year plan:** Per the *Guidelines*, the Project Sponsor submitted an updated five-year plan, as required, in April 2014.
14. **Public Comment.** As of July 31, 2014, the Department has received one inquiry from a community member regarding the proposed Project.
15. **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 234.2(b), a Conditional Use Authorization is required for the installation of utility installation, including a wireless telecommunication services facility.
16. **Planning Code Section 303** establishes criteria for the Planning Commission to consider when reviewing applications for Conditional Use approval. On balance, the Project does comply 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.
- i. *Desirable: San Francisco is a leader of the technological economy; it is important and desirable to the vitality of the City to have and maintain adequate telecommunications coverage and data capacity. This includes the installation and upgrading of systems to keep up with changing technology and increases in usage. It is desirable for the City to allow wireless facilities to be installed.*

The proposed project at 401 Geneva Avenue 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 nature of the vicinity. The placement of antennas and related support and protection features are so located, designed, and treated architecturally to minimize their visibility from public places, to avoid intrusion into public vistas, to avoid disruption of the architectural design integrity of adjacent buildings, and insure harmony with the existing neighborhood character and promote public safety. While new (and major modifications to existing) monopoles are generally discouraged by the Planning Department, the existing monopole does represent one of the least intrusive means of site deployment in the neighborhood, and is at a relatively large setback from residential neighborhoods in the Outer Mission. Furthermore, the carrier was not able to identify alternate sites on taller buildings in the area with receptive property owners. Lastly, the existing monopole is relatively new and it does not appear the addition of the AT&T Mobility WTS facility would substantially prolong the economic or structural "life" of the monopole.

- ii. *Necessary: In the case of wireless installations, there are two criteria that the Commission reviews: coverage and capacity.*

Coverage: San Francisco does have sufficient overall wireless coverage (note that this is separate from carrier capacity). San Francisco's unique coverage issues are due to topography and building heights. The hills and buildings disrupt lines of site between WTS base stations. Thus, telecommunication carriers continue to install additional installations to make sure coverage is sufficient.

Capacity: While a carrier may have adequate coverage in a certain area, the capacity may not be sufficient. With the continuous innovations in wireless data technology and demand placed on existing infrastructure, individual telecommunications carriers must upgrade and in some instances expand their facilities network to provide proper data and voice capacity. It is necessary for San Francisco, as a leader in technology, to have adequate capacity.

The proposed Project at 401 Geneva Avenue is necessary in order to achieve sufficient street and in-building 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 the most viable location, based on factors including quality of coverage and aesthetics.

- 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:

- i. Nature of proposed site, including its size and shape, and the proposed size, shape and arrangement of structures;

The Project must comply with all applicable Federal and State regulations to safeguard the health, safety and to ensure that persons residing or working in the vicinity will not be affected, and prevent harm to other personal property.

The Department of Public Health conducted an evaluation of potential health effects from Radio Frequency radiation, and has concluded that the proposed wireless transmission facilities will have no adverse health effects if operated in compliance with the FCC-adopted health and safety standards.

- ii. 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;

No increase in traffic volume is anticipated with the facilities operating unmanned, with a maintenance crew visiting the Site once a month or on an as-needed basis.

- iii. 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.

- iv. Treatment given, as appropriate, to such aspects as landscaping, screening, open spaces, parking and loading areas, service areas, lighting and signs;

The panel antennas and other unscreened equipment would be placed at a minimal offset from the monopole surface so as to reduce visibility. Related electronic equipment would be screened within an equipment shelter which will be treated with wall surfaces to mimic a minor extension of the rail platform building. The proposed antennas and equipment area will not adversely affect landscaping, open space, parking, lighting or signage at the Project Site or surrounding area.

- 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 Project Site is not located in a Neighborhood Commercial District.

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

HOUSING ELEMENT
Objectives and Policies

BALANCE HOUSING CONSTRUCTION AND COMMUNITY INFRASTRUCTURE

OBJECTIVE 12:

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

Policy 12.3:

Ensure new housing is sustainable supported by the City's public infrastructure systems.

The Project will improve AT&T Mobility's coverage and capacity along Interstate 280 and areas surrounding the Balboa Park BART Station.

URBAN DESIGN ELEMENT
Objectives and Policies

HUMAN NEEDS

OBJECTIVE 4:

IMPROVEMENT OF THE NEIGHBORHOOD ENVIRONMENT TO INCREASE PERSONAL SAFETY, COMFORT, PRIDE AND OPPORTUNITY.

Policy 4.14:

Remove and obscure distracting and cluttering elements.

The proposed antennas would be visible from adjacent public rights-of-way but would be installed in such a manner as to ensure the modified monopole does not appear cluttered or distracting.

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:

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

Policy 2:

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

The Project would 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 1:

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

Policy 3:

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

The Site is 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.

Policy 1:

Maintain and enhance a favorable business climate in the City.

Policy 2:

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

The Project would 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.

Policy 3.7:

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

The Project would 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.

18. **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 does comply 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.

No neighborhood-serving retail use would be displaced and the wireless communications network would enhance personal communication services.

- 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 would be displaced or altered in any way by the granting of this Authorization. The facility consists of antennas mounted to an existing monopole and an equipment shelter at the rear of the building. The facility would therefore not adversely affect the neighborhood character.

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

The Project would have no adverse effect 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 would not be significantly impeded and neighborhood parking would 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 would cause no 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.

Compliance with applicable structural safety and seismic safety requirements would be considered during the building permit application review process.

- G. That landmarks and historic buildings be preserved.

The Project Site's rail platform building is considered a Potential Historic Resource. The existing monopole is not considered a resource, and it does not impair views of the rail

platform building. The equipment shelter addition would be placed adjacent to the secondary building façade of the rail platform building in an area that features existing mechanical equipment support areas. The shelter would be removable and would not alter any character defining features or elements demonstrating craftsmanship.

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

The Project would have no adverse effect on parks or open space, or their access to sunlight or public vistas.

19. 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.
20. The Commission hereby finds that approval of the Conditional Use Authorization would promote the health, safety and welfare of the City.

DECISION

The Commission, after carefully balancing the competing public and private interests, and based upon the Recitals and Findings set forth above, in accordance with the standards specified in the Code, hereby approves the Conditional Use Authorization under Planning Code Sections 234.2(b) and 303 to install nine (9) unscreened panel antennas on an existing monopole and associated equipment cabinets in a new equipment shelter at the Project Site and as part of a wireless transmission network operated by AT&T Mobility on a Location Preference 1 (Publicly-Used Structure) according to the Wireless Telecommunications Services (WTS) Facilities Siting Guidelines, within an P (Public) District, and a 160-E Height and Bulk District, and subject to the conditions of approval attached hereto as **Exhibit A**; in general conformance with the plans, dated June 2, 2014, and stamped "Exhibit B."

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 No. XXXXX. 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 recommence the 90-day approval period.

Motion No. XXXXX
Hearing Date: August 7, 2014

CASE NO. 2014.0682C
401 Geneva Avenue

I hereby certify that the foregoing Motion was adopted by the Planning Commission on **August 7, 2014**.

Jonas P. Ionin
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: August 7, 2014

EXHIBIT A

AUTHORIZATION

This authorization is for a Conditional Use Authorization under Planning Code Sections 234.2(b) and 303 to install nine (9) unscreened panel antennas on an existing monopole and associated equipment cabinets in a new equipment shelter at the Project Site and as part of a wireless transmission network operated by AT&T Mobility on a Location Preference 1 (Publicly-Used Structure) according to the Wireless Telecommunications Services (WTS) Facilities Siting Guidelines, within an P (Public) District, and a 160-E Height and Bulk District, and subject to the conditions of approval attached hereto as **Exhibit A**; in general conformance with the plans, dated June 2, 2014, and stamped "Exhibit B."

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 **August 7, 2014** under Motion No. XXXXX.

PRINTING OF CONDITIONS OF APPROVAL ON PLANS

The conditions of approval under the 'Exhibit A' of this Planning Commission Motion No. XXXXX 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 and Expiration.** The authorization and right vested by virtue of this action is valid for three (3) years from the effective date of the Motion. A building permit from the Department of Building Inspection to construct the project and/or commence the approved use must be issued as this Conditional Use Authorization is only an approval of the proposed project and conveys no independent right to construct the Project or to commence the approved use. The Planning Commission may, in a public hearing, consider the revocation of the approvals granted if a site or building permit has not been obtained within three (3) years of the date of the Motion approving the Project. 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. The Commission may also consider revoking the approvals if a permit for the Project has been issued but is allowed to expire and more than three (3) years have passed since the Motion was approved.

In the event the Project is approved and constructed, the applicant would be required to remove, within twelve (12) months, the existing AT&T Mobility macro WTS facility (Block/Lot: 6973/038) at the south plaza of the Balboa Park BART Station. The Conditional Use Authorization (Case No. 1997.133C and Motion No. 14351) would no longer be valid.

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

2. **Extension.** This authorization may be extended at the discretion of the Zoning Administrator only where failure to issue a permit by the Department of Building Inspection to perform said tenant improvements is caused by a delay by a local, State or Federal agency or by any appeal of the issuance of such permit(s).

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

DESIGN – COMPLIANCE AT PLAN STAGE

3. **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 415-575-9078, www.sf-planning.org.

4. **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. Antennas 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 415-575-9078, www.sf-planning.org.

MONITORING - AFTER ENTITLEMENT

5. **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

6. **Monitoring.** The Project requires monitoring of the conditions of approval in this Motion. The Project Sponsor or the subsequent responsible parties for the Project shall pay fees as established under Planning Code Section 351(e) (1) and work with the Planning Department for information about compliance.

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

7. **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, www.sf-planning.org.

8. **Implementation Costs - WTS.**

- a. 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.
- b. 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.
- c. 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, www.sf-planning.org

9. **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, www.sf-planning.org

10. **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.
 - i. Notification and Testing. The Project Implementation Report shall set forth the testing and measurements undertaken pursuant to Conditions 2 and 4.
 - ii. 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, www.sfdph.org.

11. **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, www.sf-planning.org

12. **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, www.sf-planning.org

13. **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, www.sfdph.org.

OPERATION

14. **Community Liaison.** Prior to issuance of a building permit application 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 written notice of the name, business address, and telephone number of the community liaison. Should the contact information change, the Zoning Administrator 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, www.sf-planning.org

15. **Out of Service – WTS.** The Project Sponsor or Property Owner shall remove antennas 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, www.sf-planning.org

16. **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, www.sfdph.org.

17. **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, www.sfdph.org.

18. **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, www.sf-planning.org

19. **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>

Zoning Map

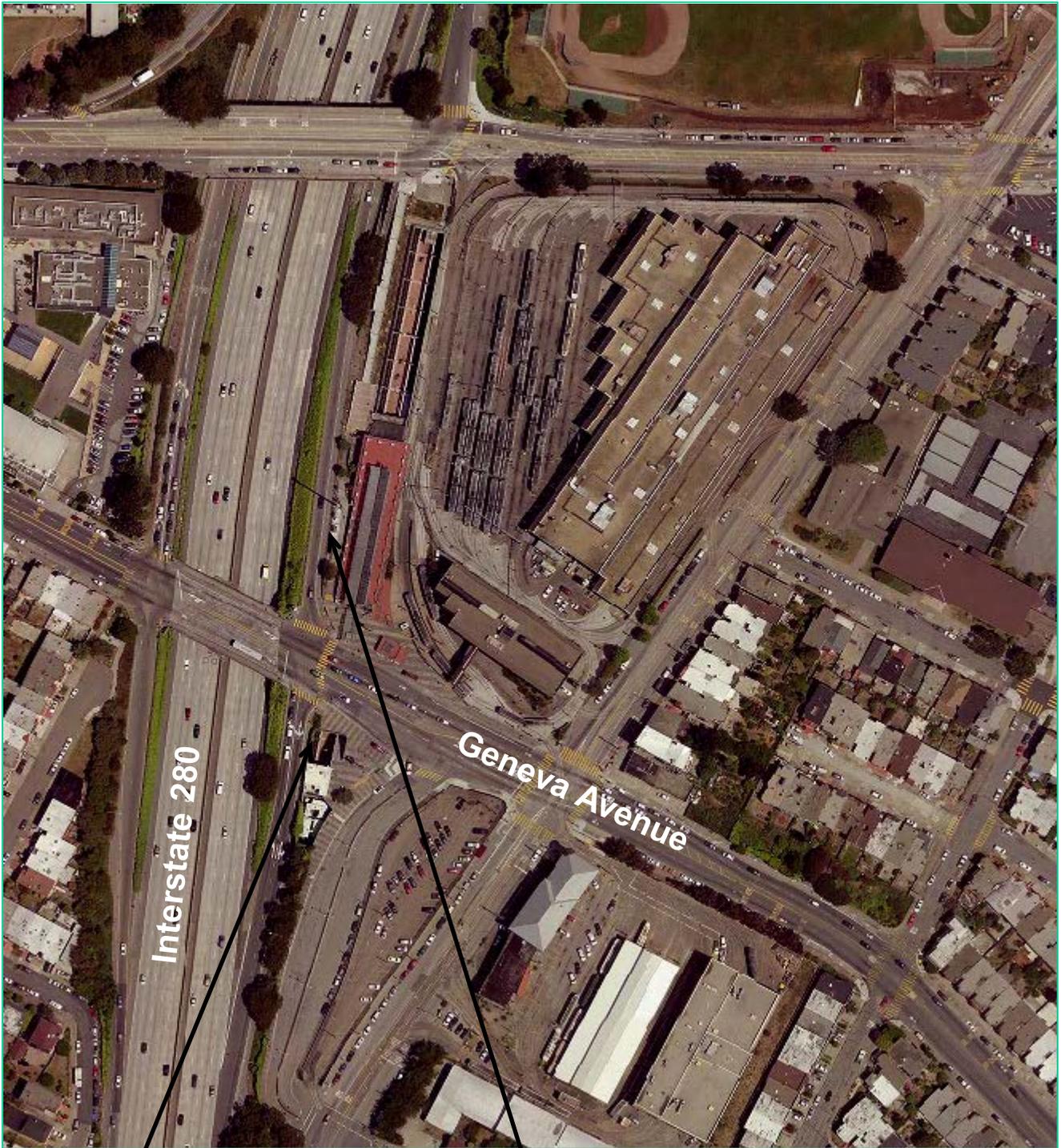


SUBJECT PROPERTY



Case Number 2014.0682C
AT&T Mobility Macro WTS Facility
401 Geneva Avenue

Aerial Photo



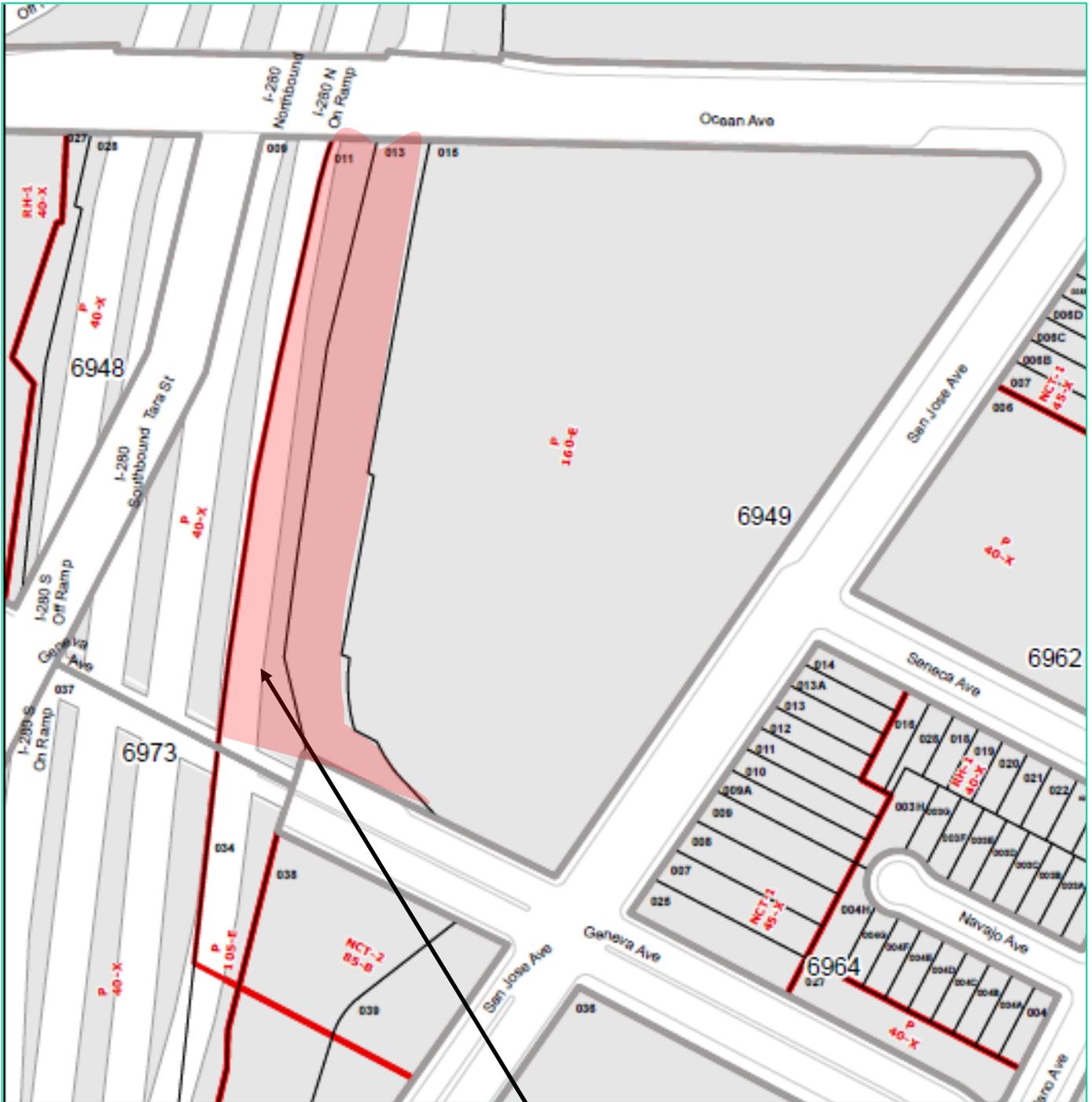
Existing Location

Proposed Location



Case Number 2014.0682C
AT&T Mobility Macro WTS Facility
401 Geneva Avenue

Parcel Map

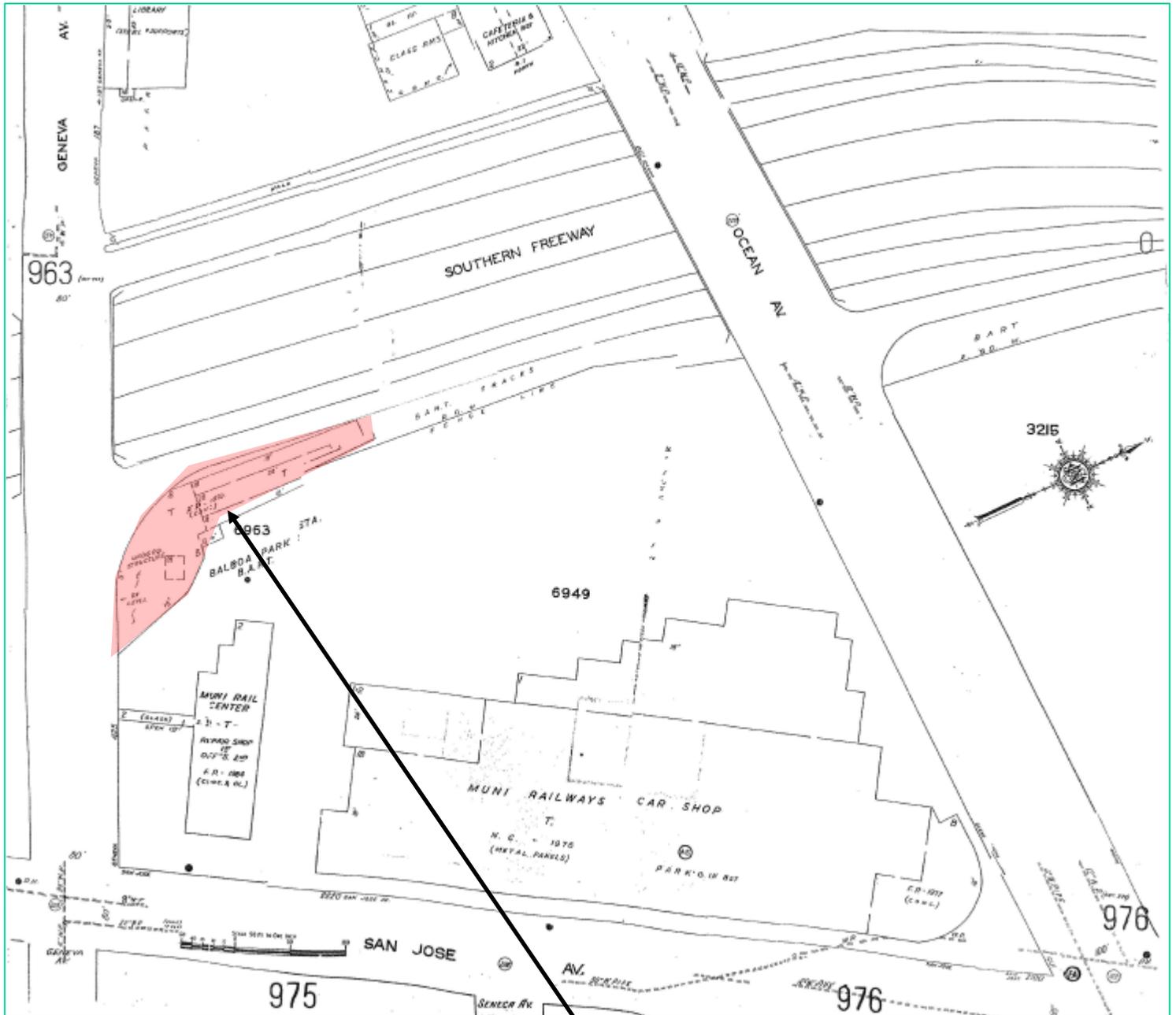


SUBJECT PROPERTY



Case Number 2014.0682C
AT&T Mobility Macro WTS Facility
401 Geneva Avenue

Sanborn Map*



SUBJECT PROPERTY



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

Case Number 2014.0682C
AT&T Mobility Macro WTS Facility
401 Geneva Avenue

Contextual Photographs

The following are photographs of the surrounding buildings within 100-feet of the subject property showing the facades and heights of nearby buildings:



Facing North on I-280



Facing South on I-280



Facing East on Geneva Avenue



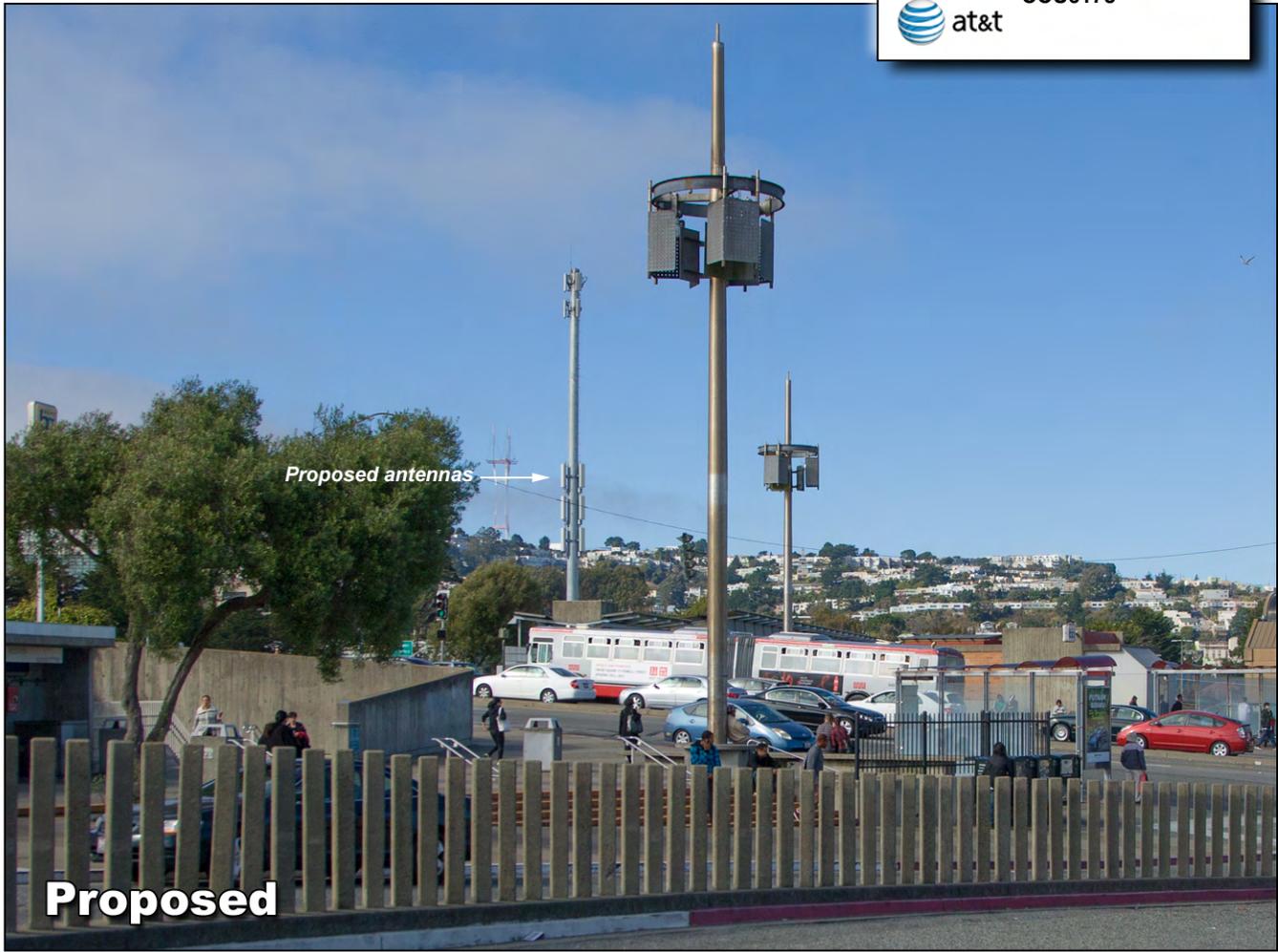
Facing West on Geneva Avenue

Photosimulation of view looking northward from near the intersection of Geneva Ave and San Jose Ave.



Balboa Park BART
 401 Geneva Ave
 San Francisco, CA 94112
 CCU6173

at&t



Photosimulation of view looking north from Geneva Avenue at the Hwy 280 overcrossing.

Existing Verizon antennas
to remain unchanged

Proposed antennas

Existing

Proposed

Balboa Park BART
401 Geneva Ave
San Francisco, CA 94112
CCU6173

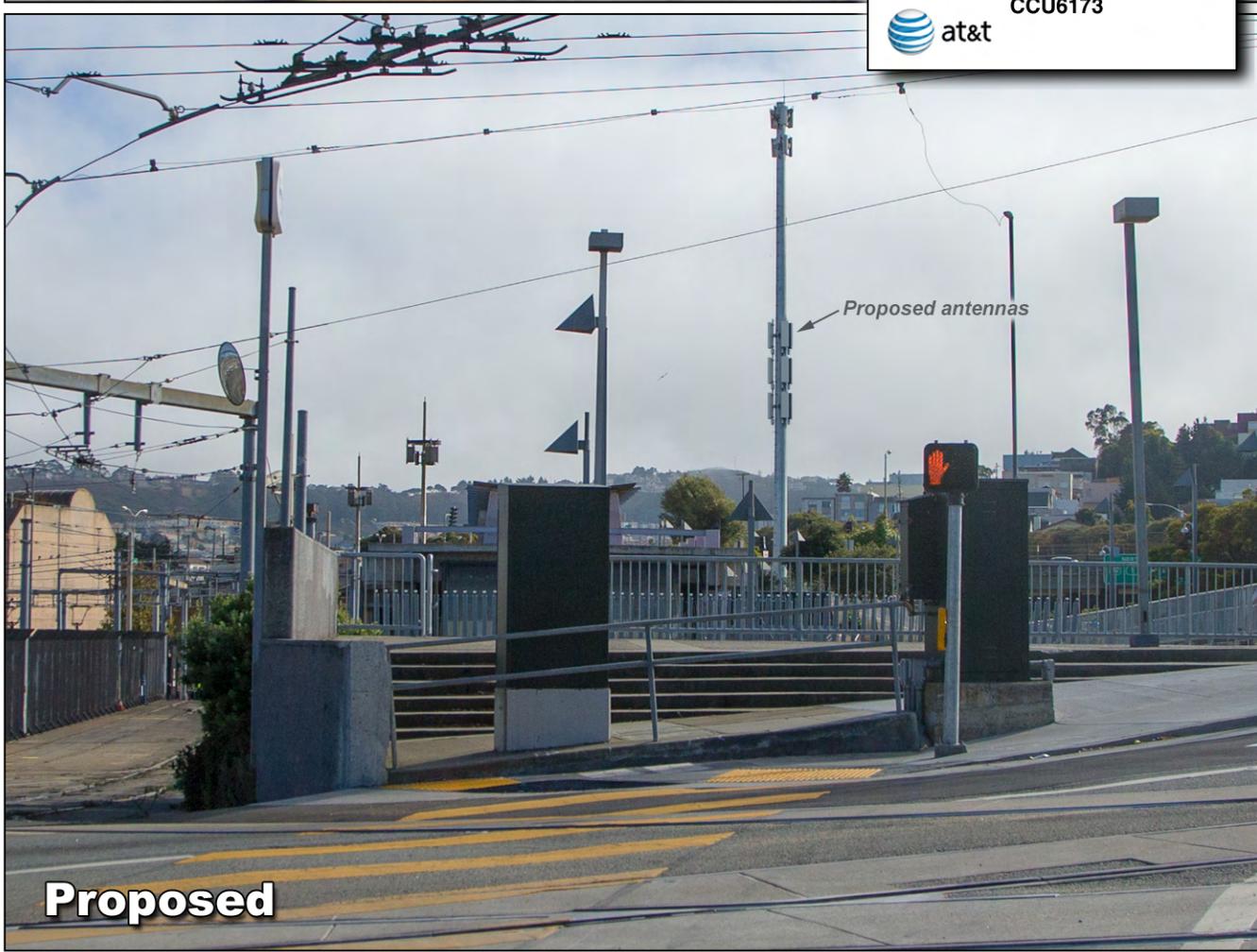


Photosimulation of view looking south from the nearest point along Ocean Avenue.



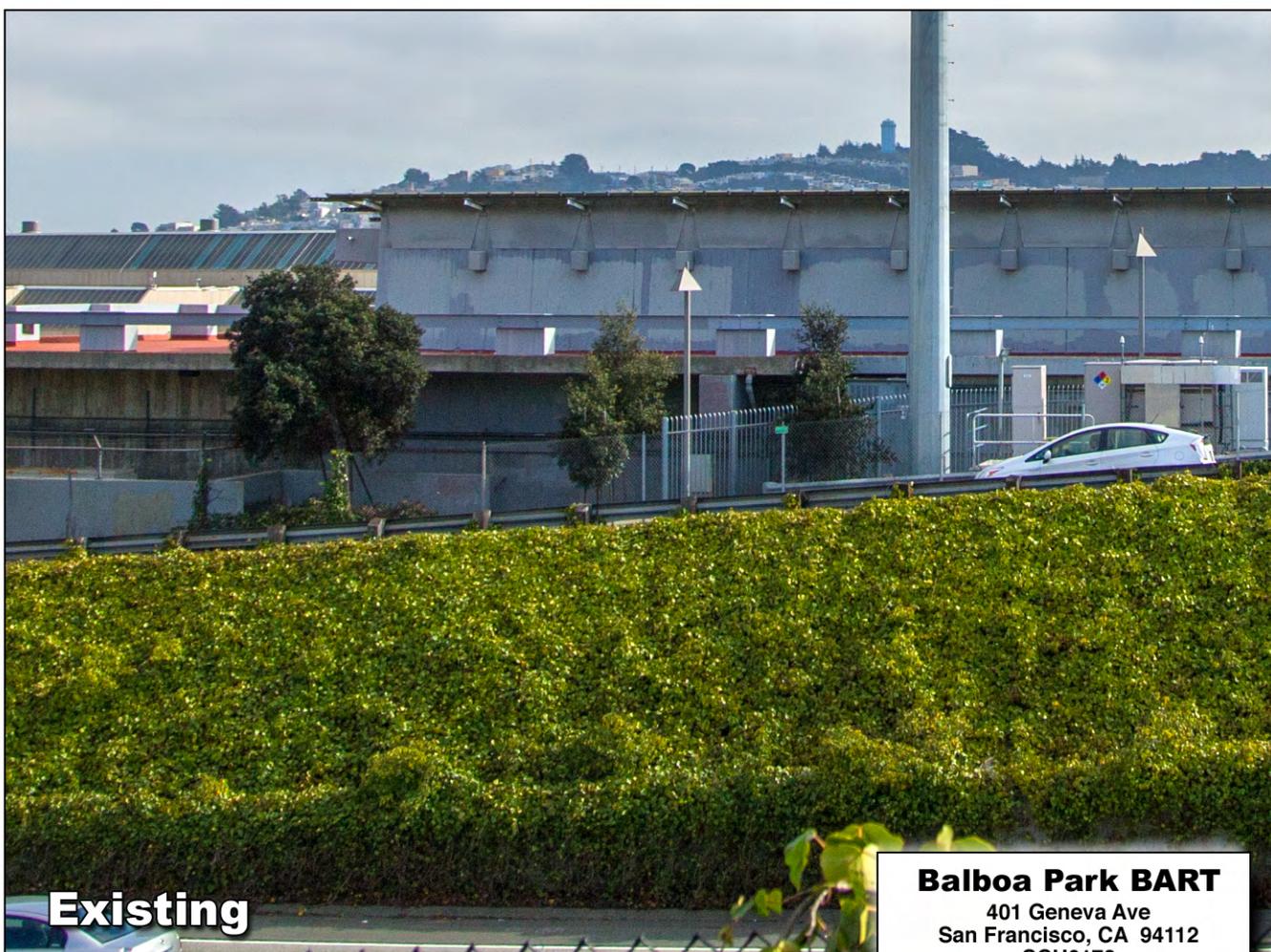
Existing

Balboa Park BART
 401 Geneva Ave
 San Francisco, CA 94112
 CCU6173



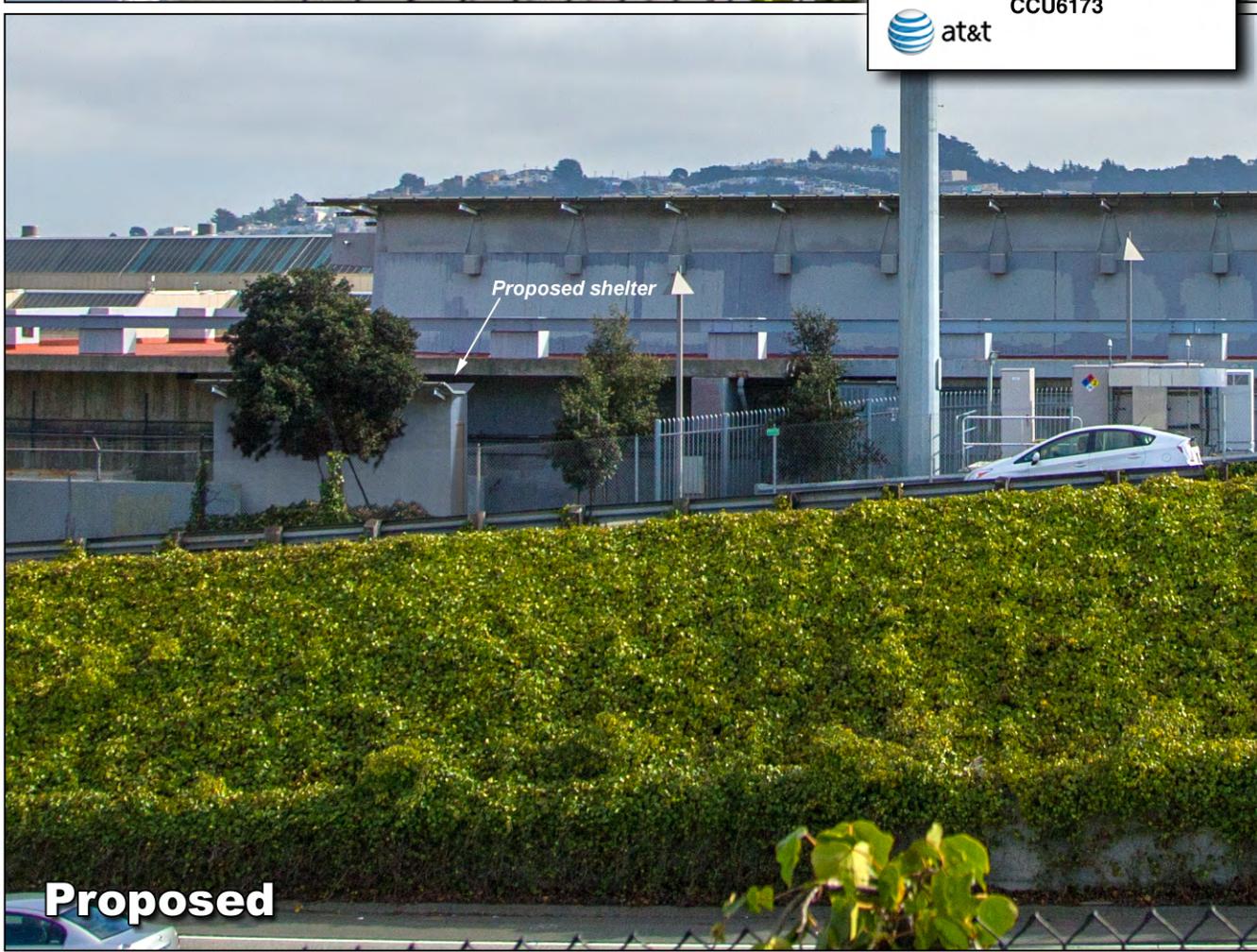
Proposed

Photosimulation of view of the new equipment shelter, as seen looking east from across Hwy 280.



Existing

Balboa Park BART
401 Geneva Ave
San Francisco, CA 94112
CCU6173



Proposed

**AT&T Mobility • Base Station No. CCU6173
401 Geneva Avenue • San Francisco, California**

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 proposed modifications to its existing base station (Site No. CCU6173) located at 401 Geneva Avenue 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 a 10-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:

Wireless Service	Frequency Band	Occupational Limit	Public Limit
Microwave (Point-to-Point)	5,000–80,000 MHz	5.00 mW/cm ²	1.00 mW/cm ²
BRS (Broadband Radio)	2,600	5.00	1.00
WCS (Wireless Communication)	2,300	5.00	1.00
AWS (Advanced Wireless)	2,100	5.00	1.00
PCS (Personal Communication)	1,950	5.00	1.00
Cellular	870	2.90	0.58
SMR (Specialized Mobile Radio)	855	2.85	0.57
700 MHz	700	2.40	0.48
[most restrictive frequency range]	30–300	1.00	0.20

The site was visited by Mr. David Kelly, a qualified field technician employed by Hammett & Edison, Inc., during normal business hours on February 26, 2014, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by Streamline Engineering and Design, Inc., dated February 4, 2014.

Checklist

1. The location of all existing antennas and facilities at site. Existing RF levels.

AT&T had installed six directional panel antennas on a light pole on the south side of Geneva Avenue. A tall steel pole was observed about 320 feet to the north, next to the Balboa Park BART station located at 401 Geneva Avenue, at the top of which were mounted similar antennas for use by Verizon Wireless. Existing RF levels for a person at ground near the site were less than 1% of the most restrictive public exposure limit. The measurement equipment used was a Wandel & Goltermann Type EMR-300 Radiation Meter with Type 8 Isotropic Electric Field Probe (Serial No. P-0036). The meter and probe were under current calibration by the manufacturer.

**AT&T Mobility • Base Station No. CCU6173
401 Geneva Avenue • San Francisco, California**

2. The location of all approved (but not installed) antennas and facilities. Expected RF levels from approved antennas.

No other WTS facilities are reported to be approved for this site but not installed.

3. The number and types of WTS within 100 feet of proposed site and estimates of additive EMR emissions at proposed site.

There were no other WTS facilities observed within 100 feet of the site.

4. Location (and number) of Applicant's antennas and back-up facilities per building and location (and number) of other WTS at site.

AT&T proposes to remove its existing antennas from the light pole and to install nine Andrew Model SBNHH-1D65A directional panel antennas on the Verizon monopole. The antennas would be mounted with up to 6° downtilt at effective heights of about 40, 46½, and 53 feet above ground and would be oriented in groups of three (one at each height) at about 120° spacing, to provide service in all directions.

Verizon has six antennas reportedly mounted in three stacked pairs at effective heights of 91 and 97 feet above ground and oriented toward 160°T, 240°T, and 300°T.

5. Power rating (maximum and expected operating power) for all existing and proposed backup equipment subject to application.

The expected operating power of the AT&T transmitters is reflected in the resulting effective radiated power given in Item 6 below; the transmitters may operate at a power below their maximum rating. The power rating for the Verizon transmitters is not known.

6. Total number of watts per installation and total number of watts for all installations at site.

The maximum effective radiated power proposed by AT&T in any direction is 4,810 watts, representing simultaneous operation at 1,740 watts for WCS, 2,100 watts for PCS, 520 watts for cellular, and 450 watts for 700 MHz service. The number of watts for the Verizon operation is not known, though its contribution to ambient RF levels at the site is reflected in the measurements reported in Item 1 above.

7. Plot or roof plan showing method of attachment of antennas, directionality of antennas, and height above roof level. Discuss nearby inhabited buildings.

The drawings show the antennas to be installed as described in Item 4 above. There were noted no buildings of similar height nearby.



**AT&T Mobility • Base Station No. CCU6173
401 Geneva Avenue • San Francisco, California**

8. Estimated ambient RF levels for proposed site and identify three-dimensional perimeter where exposure standards are exceeded.

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation by itself is calculated to be 0.019 mW/cm², which is 2.5% of the applicable public exposure limit. Ambient RF levels at ground level near the site are therefore estimated to be below 3.5% of the limit. The maximum calculated cumulative level at the adjacent BART building is 4.7% of the public limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 44 feet out from the AT&T antenna faces and to much lesser distances above, below, and to the sides; this does not reach any publicly accessible areas.

9. Describe proposed signage at site.

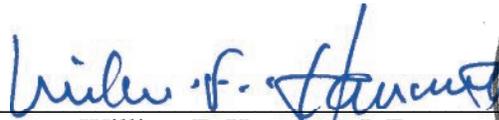
Due to their mounting locations, the AT&T antennas would not be accessible to the general public, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. It is presumed that the two carriers will, as FCC licensees, take adequate steps to ensure that their employees or contractors receive appropriate training and comply with FCC occupational exposure guidelines whenever work is required near the antennas themselves.

10. Statement of authorship.

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2015. 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.

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that the proposed operation of the AT&T Mobility base station located at 401 Geneva Avenue 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.


William F. Hammett, P.E.
707/996-5200



February 27, 2014

X 10. Statement on who produced this report and qualifications.

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 CFR47 1.1310 **Approval of the subsequent Project Implementation Report is based on project sponsor completing recommendations by project consultant and DPH.**

Comments:

There are 6 antennas operated by AT&T Wireless installed on a light pole at 401 Geneva Av. Existing RF levels at ground level were around 1% of the FCC public exposure limit. Verizon has antennas installed on a tall steel pole about 320 feet away. AT&T Wireless proposes to remove the existing antennas and install 9 new antennas on the existing Verizon pole. The antennas will be mounted at a height of 40 to 53 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.019 mW/sq cm., which is 2.5% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 44 feet and does not reach any publicly accessible areas. Warning signs must be posted at the antennas and pole access points in English, Spanish and Chinese. Workers should not have access to within 13 feet of the front of the antennas while they are in operation.

— **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: 4/29/2014

Patrick Fosdahl
Environmental Health Management Section
San Francisco Dept. of Public Health
1390 Market St., Suite 210,
San Francisco, CA. 94102
(415) 252-3904

Alternatives Sites Location

In order to achieve the service goals as previously defined, AT&T Mobility network engineers considered site locations in the area defined by the search ring in the previously attached “Service Improvement Objective” map. The area roughly bounded by Sgt. John V. Young Street, Delano, Lakeview, and Harold Avenues.

The area within the search ring is primarily comprised of wholly residential, commercial uses, transportation corridors, schools, a public park, and other public buildings. The proposed site is the optimal location given the building height and clear visibility of the coverage area. In addition, the proposed site is only 0.06 miles from the existing site and would continue to close the significant coverage gap in this area. Below is a list of the alternative site locations evaluated by the AT&T network engineers and site acquisition team.

Permitted Use Sites

There are no properties within the search area where WTS facilities are a permitted use under the zoning code.

1. Publically Used Structures:



Alternative A – 1 Sergeant John V. Young St. (Balboa Park)

The property located at 1 Sergeant John V. Young Street is a public park (Balboa Park) and is considered a Preference 1 location. While the park has existing structures that could be suitable to locate a WTS facility, the park is outside the search area. Since the subject site is within the search area and is only 0.06 miles from the existing location, and since the subject site would remain under lease with BART, the subject site is the most preferred location. For this reason, this alternative site is not the most feasible candidate.



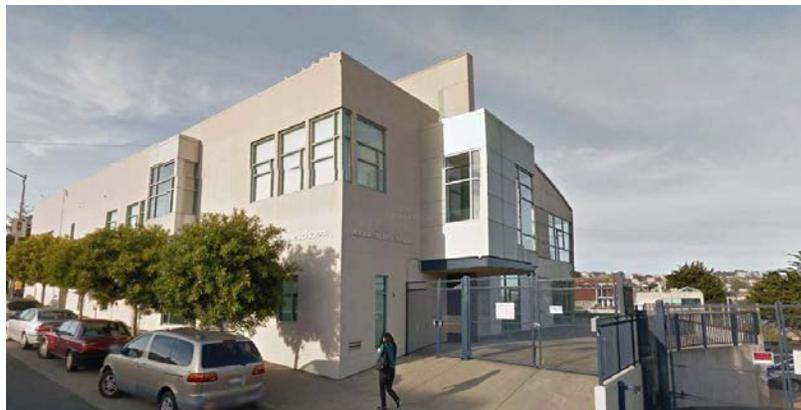
Alternative B – 300 Ocean Avenue (MUNI Garage)

The property located at 300 Ocean Street is a public building operated by MUNI and is considered a Preference 1 location. While the building could be suitable to locate a WTS facility, the subject site would remain under lease with the same property owner as the existing location. Since the subject site is within the search area and is only 0.06 miles from the existing location, and since the subject site would remain under lease with BART, the subject site is the most preferred location. For this reason, this alternative site is not the most feasible candidate.



Alternative C – 50 Phelan Avenue (CCSF)

The property located at 50 Phelan Avenue is a public school (CCSF) and is considered a Preference 1 location. While the school has several structures that could be suitable to locate a WTS facility, the school is outside the search area. Since the subject site is within the search area and is only 0.06 miles from the existing location, and since the subject site would remain under lease with BART, the subject site is the most preferred location. For this reason, this alternative site is not the most feasible candidate.



Alternative D – 27 Howth Street (Lick Wilmerding High School)

The property located at 27 Howth Street is a private school (Lick Wilmerding High School) and is considered a Preference 1 location. While the school has existing structures that could be suitable to locate a WTS facility, the school is outside the search area. Since the subject site is within the search area and is only 0.06 miles from the existing location, and since the subject site would remain under lease with BART, the subject site is the most preferred location. For this reason, this alternative site is not the most feasible candidate.



Alternative E – 66 Geneva Avenue (San Francisco Adventist School)

The property located at 66 Geneva Avenue is a private school (San Francisco Adventist School) and is considered a Preference 1 location. Further evaluation would need to be conducted to determine whether the school has existing structures that could be suitable to locate a WTS facility. However, the school is outside the search area. Since the subject site is within the search area and is only 0.06 miles from the existing location, and since the subject site would remain under lease with BART, the subject site is the most preferred location. For this reason, this alternative site is not the most feasible candidate.



Alternative F – 1100 Ocean Avenue (CCSF)

The property located at 1100 Ocean Avenue is a public school (CCSF) and is considered a Preference 1 location. While the school has an existing structure that could be suitable to locate a WTS facility, the school is outside the search area. Since the subject site is within the search area and is only 0.06 miles from the existing location, and since the subject site would remain under lease with BART, the subject site is the most preferred location. For this reason, this alternative site is not the most feasible candidate.



Alternative G – 1000 Ocean Avenue (Fire Station)

The property located at 1000 Ocean Avenue is a city fire station (SFFD Station 15) and is considered a Preference 1 location. While the fire station has an existing structure that could be suitable to locate a WTS facility, the fire station is outside the search area. Since the subject site is within the search area and is only 0.06 miles from the existing location, and since the subject site would remain under lease with BART, the subject site is the most preferred location. For this reason, this alternative site is not the most feasible candidate.



Alternative H – 500 Geneva Avenue (MUNI Garage)

The property located at 500 Geneva Avenue is a service public building operated by MUNI and is considered a Preference 1 location. While the building has an existing structure that could be suitable to locate a WTS facility, the subject site is within the search area and is only 0.06 miles from the existing location, and since the subject site would remain under lease with BART, the subject site is the most preferred location. For this reason, this alternative site is not the most feasible candidate.

2. Co-Location Site: There were no Preference 2 locations identified within the defined search area.
3. Industrial or Commercial Structures (w/ removal of existing obstructions/clutter): There were no Preference 3 locations identified within the defined search area.

4. Industrial or Commercial Structures (No removal of existing visual obstructions):



Alternative I – 2275 San Jose Avenue

The property located at 2275 San Jose Avenue is a wholly commercial building within the NCT-1 zoning district, a Preference 4 location. This building is one story and would not provide the height necessary for a WTS facility. The subject site would achieve the heights necessary in the relocation of the existing site and still maintain coverage in the area. In addition, the subject site is a Preference 1 location and will remain under lease with BART. For this reason, this alternative site is not a feasible candidate.

5. Mixed Use Buildings in High Density Districts:



Alternative J – 2255 San Jose Avenue

The property located at 2255 San Jose Avenue is a mixed-use building within the NCT-1 zoning district, a Preference 5 location. This building could provide the necessary heights required for a WTS facility in this area. However, existing fire escapes on the roof-top could possibly prohibit antenna propagation to the west. Further investigation would need to occur to determine the feasibility of this candidate. In addition, the subject site is a Preference 1 location and will remain under lease with BART. For this reason, this alternative site is not the most feasible candidate.

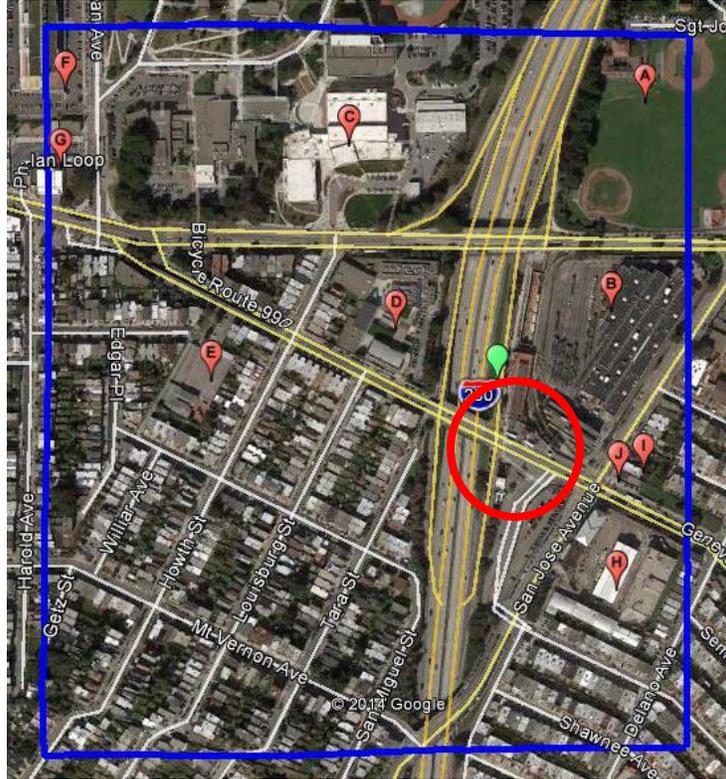
6. Limited Preference Sites: There were no Preference 6 sites analyzed in the alternative site location.
7. Disfavored Sites: There were no Preference 7 sites analyzed in the alternative site location.

Alternative Site Locations Summary

	Location	Block/Lot	Zoning District	Building Type	WTS Pref.
A	1 Sergeant John V. Young St.	3179/011	P	Public Park	1
B	300 Ocean Ave.	6949/015	P	Public Utility	1
C	50 Phelan Ave.	3179/010	P	Public School	1
D	27 Howth St.	6948/023	RH-1	Private School	1
E	66 Geneva Ave.	6976/016	RH-1	Private School	1
F	1100 Oceano Ave.	3180/001	P	Public School	1
G	1000 Oceano Ave.	3180/194	P	Fire Station	1
H	500 Geneva Ave.	6972/036	P	Public Utility	1
I	2275 San Jose Ave.	6964/025	NCT-1	Wholly Commercial	4
J	2255 San Jose Ave.	6964/007	NCT-1	Mixed-Use	5

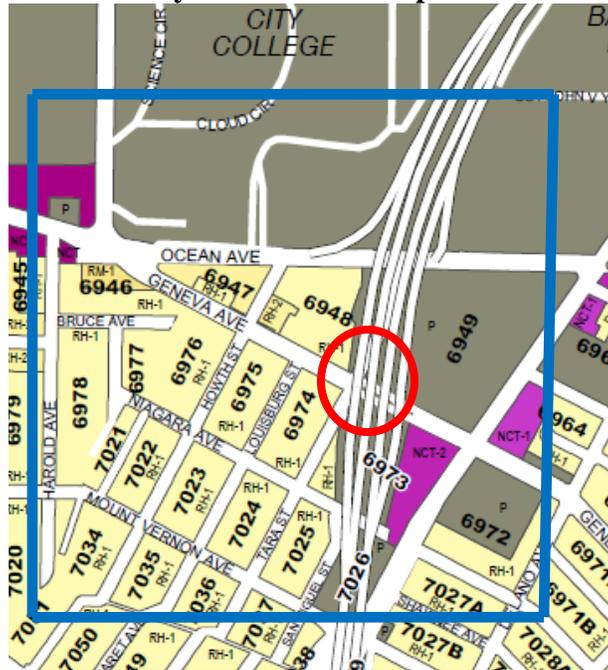
The attached map identifies the location and applicable zoning use district for each alternative location evaluated.

Alternative Analysis Map – 401 Geneva Avenue



-  Search Ring
-  Service Objective

Alternative Site Analysis Land Use Map – 401 Geneva Avenue

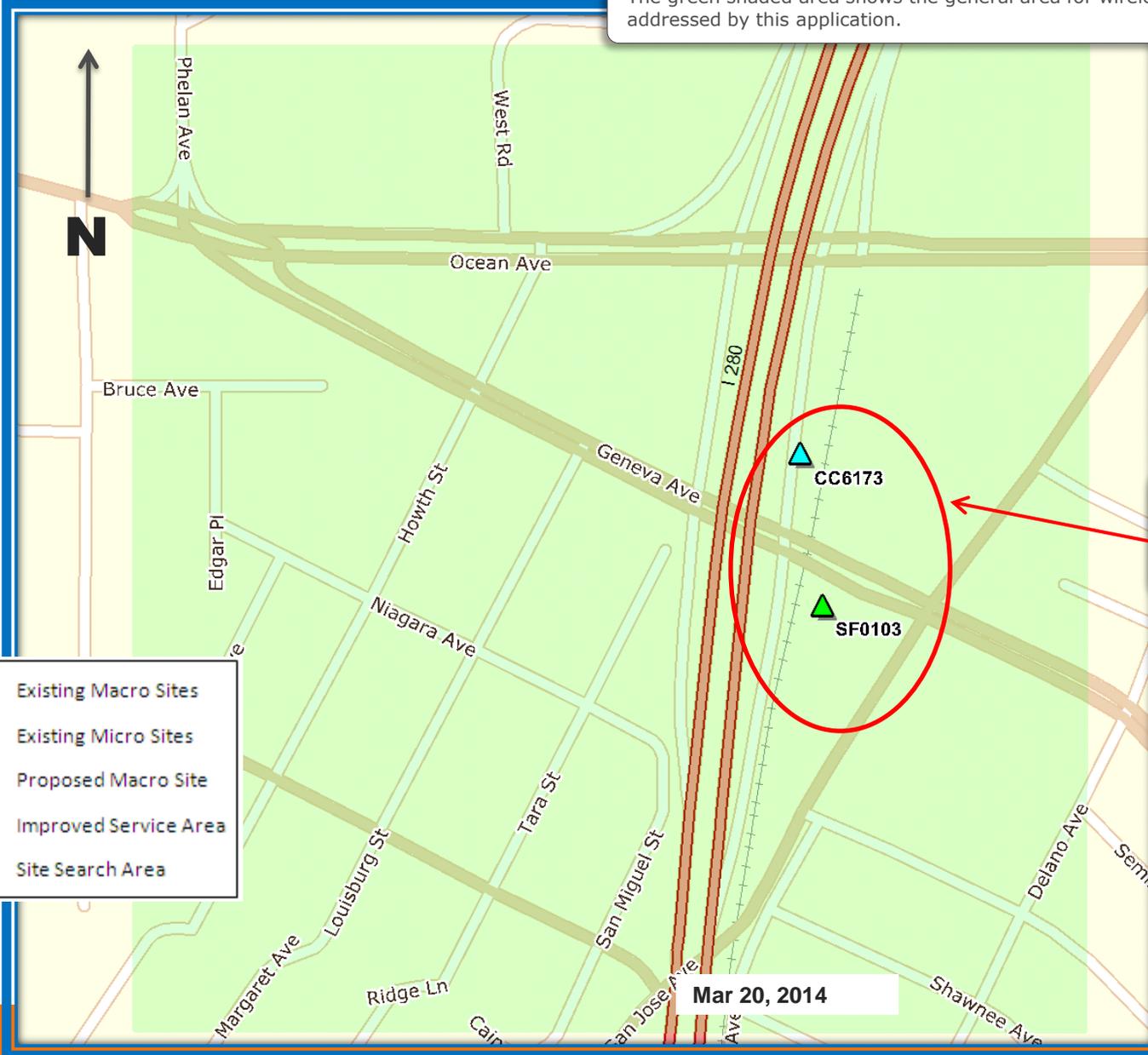


-  Search Ring
-  Service Objective

Service Improvement Objective (CC6173)

401 Geneva Ave

The green shaded area shows the general area for wireless service improvements addressed by this application.



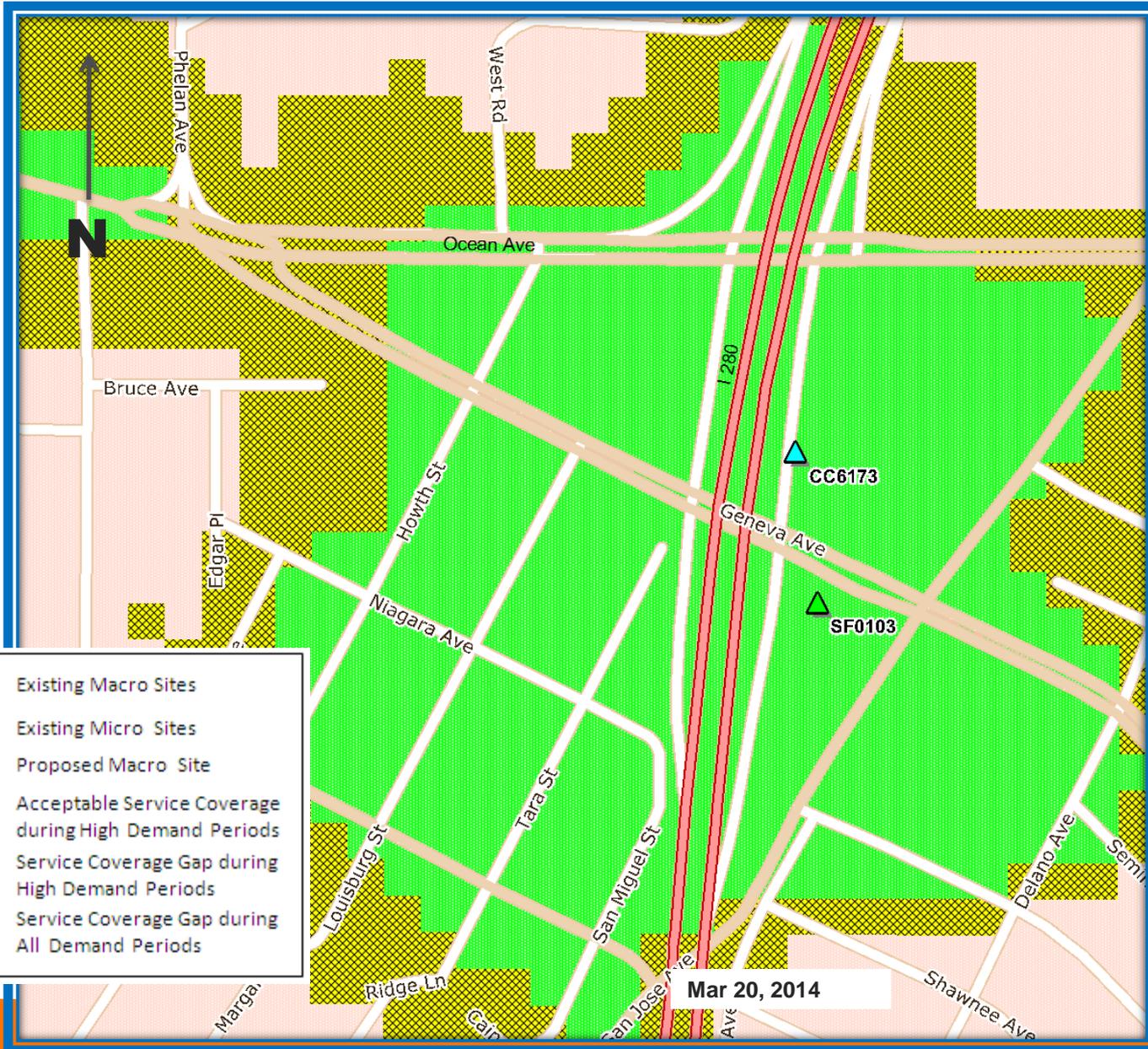
- ▲ Existing Macro Sites
- + Existing Micro Sites
- ▲ Proposed Macro Site
- Improved Service Area
- Site Search Area

In order to achieve the service goals as defined, at&t network engineers considered site locations in the area defined by the red circle

Mar 20, 2014

Exhibit 2 - Proposed Site at 401 Geneva Ave(CC6173)

Service Area BEFORE site is constructed



- ▲ Existing Macro Sites
- ⊕ Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable Service Coverage during High Demand Periods
- ▨ Service Coverage Gap during High Demand Periods
- Service Coverage Gap during All Demand Periods

Exhibit 3 - Current 7-Day Traffic Profile for the Location of CC6173

— Data Traffic
— Voice Traffic

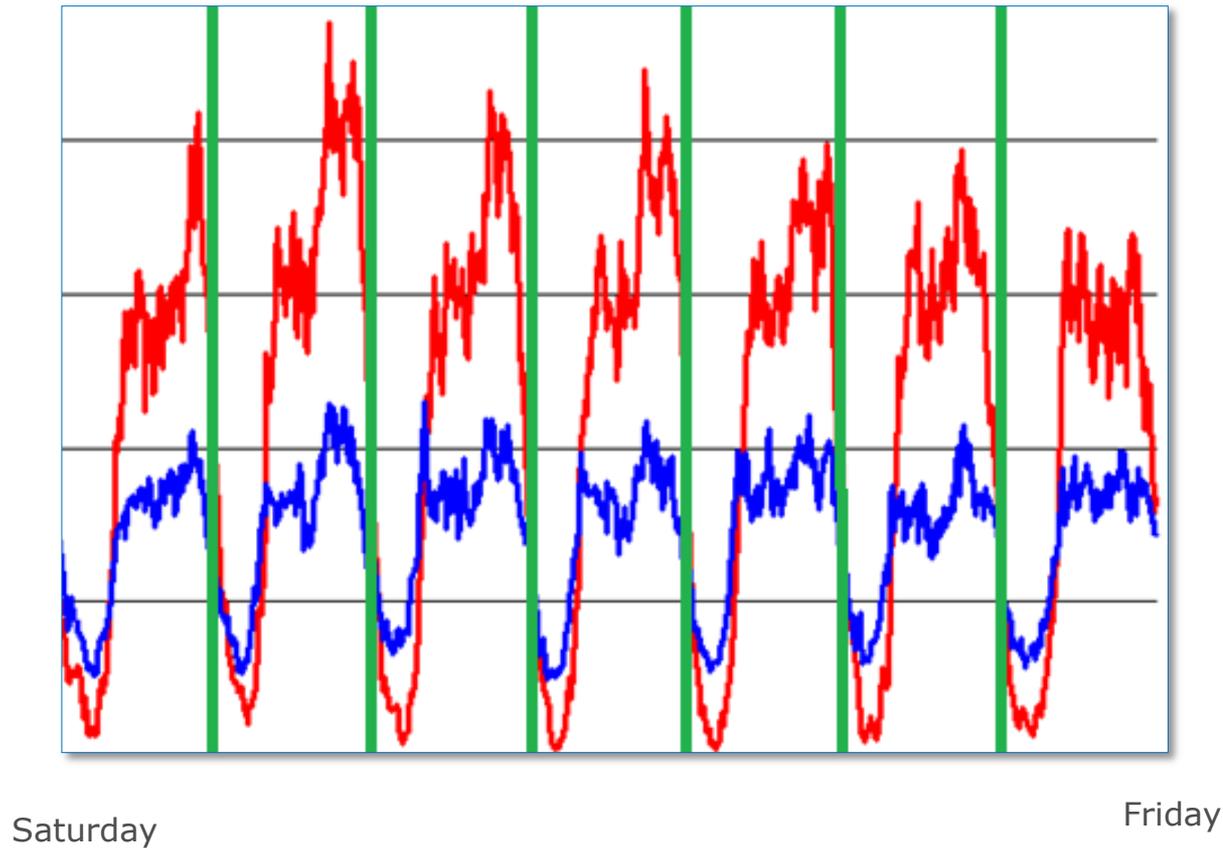
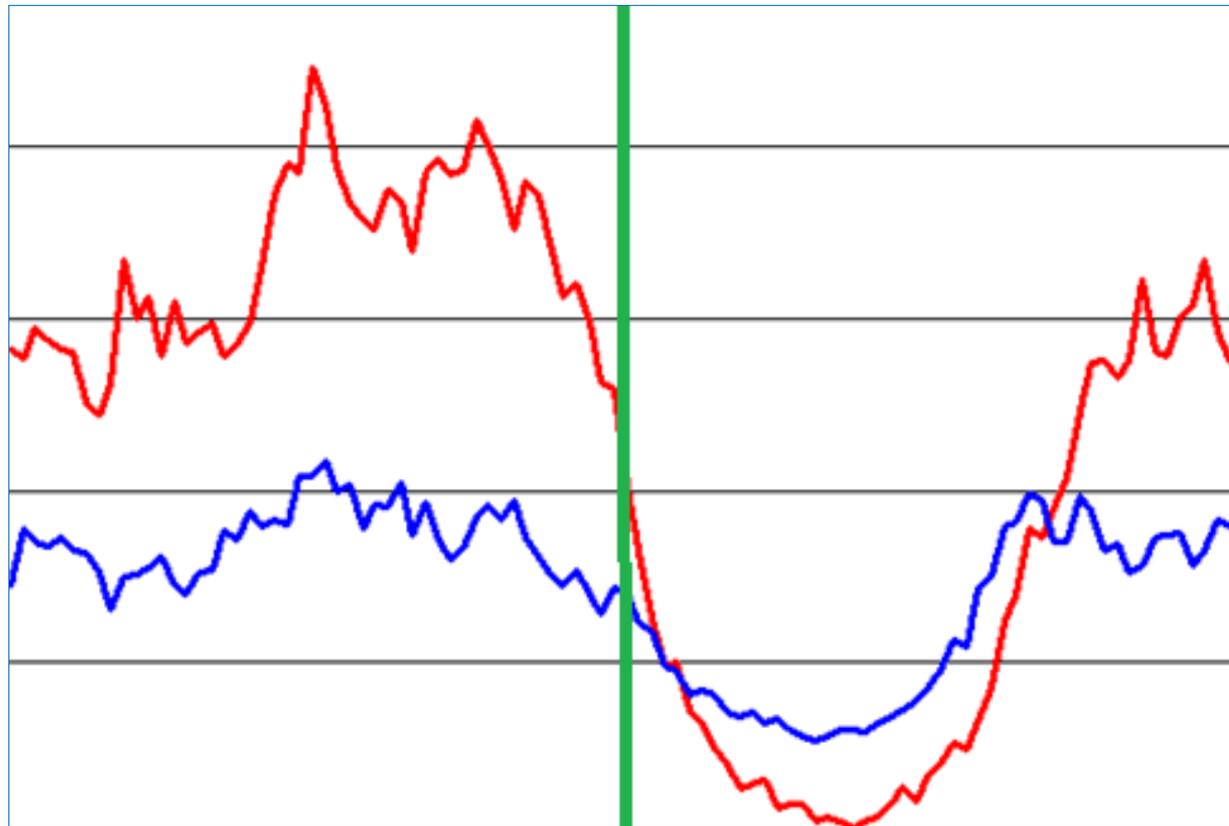


Exhibit 3 - Current 24-Hour Traffic Profile for the Location of CC6173

— Data Traffic
— Voice Traffic



Noon

Midnight

Noon

Exhibit 4 - Proposed Site at 401 Geneva Ave(CC6173)

Service Area AFTER site is constructed

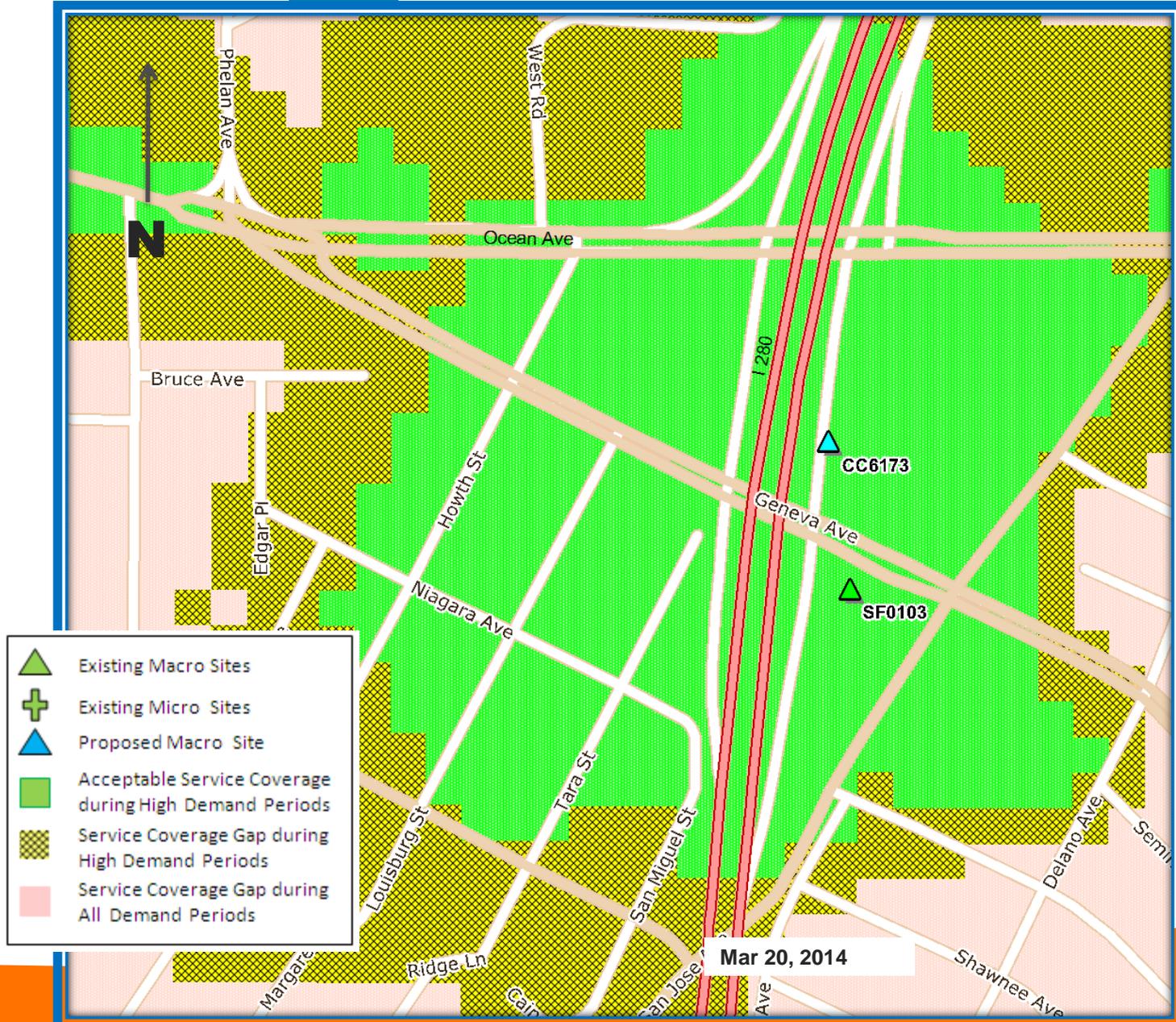


Exhibit 5 - Proposed Site at 401 Geneva Ave(CC6173)

4G LTE Service Area BEFORE site is constructed

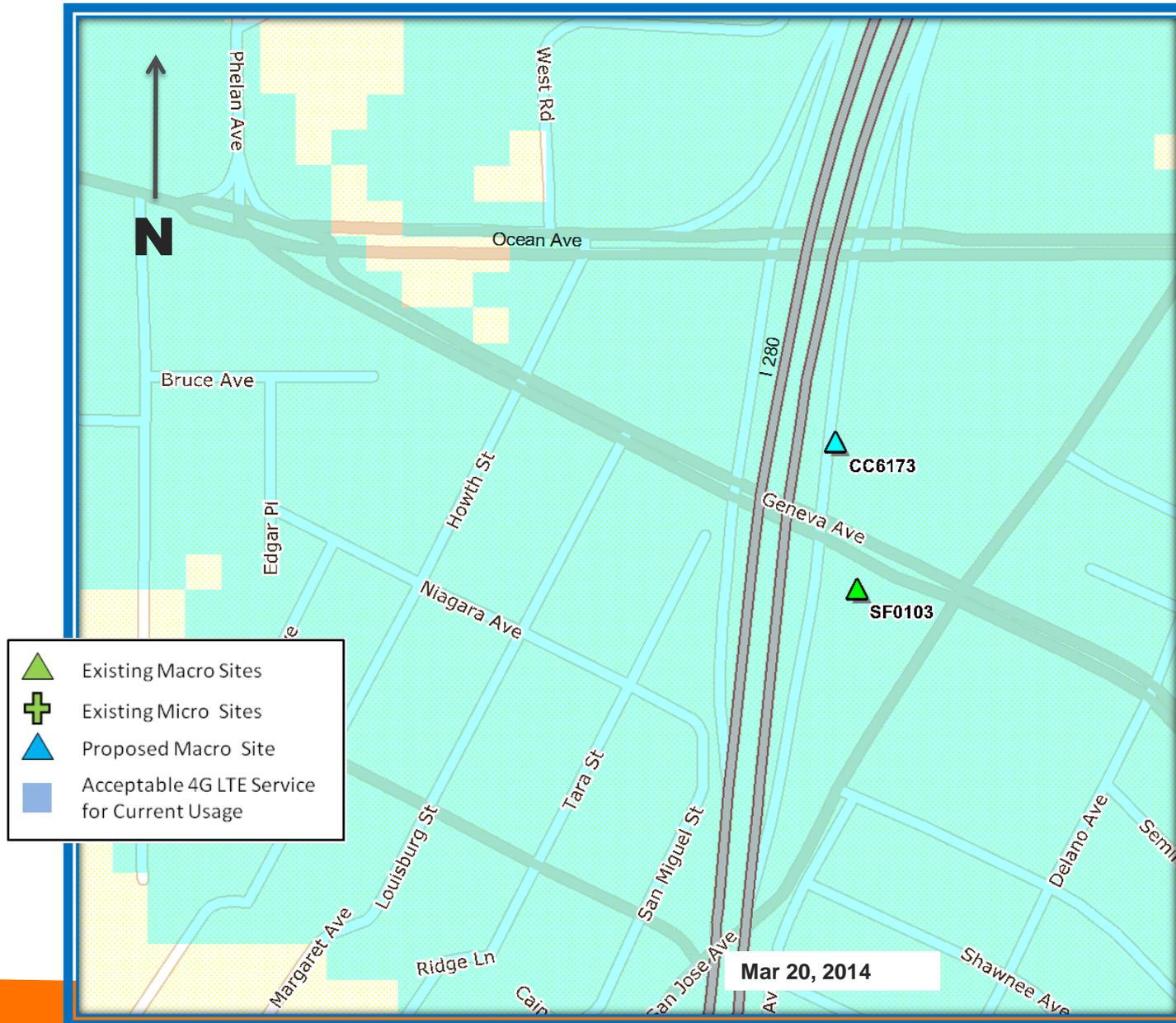
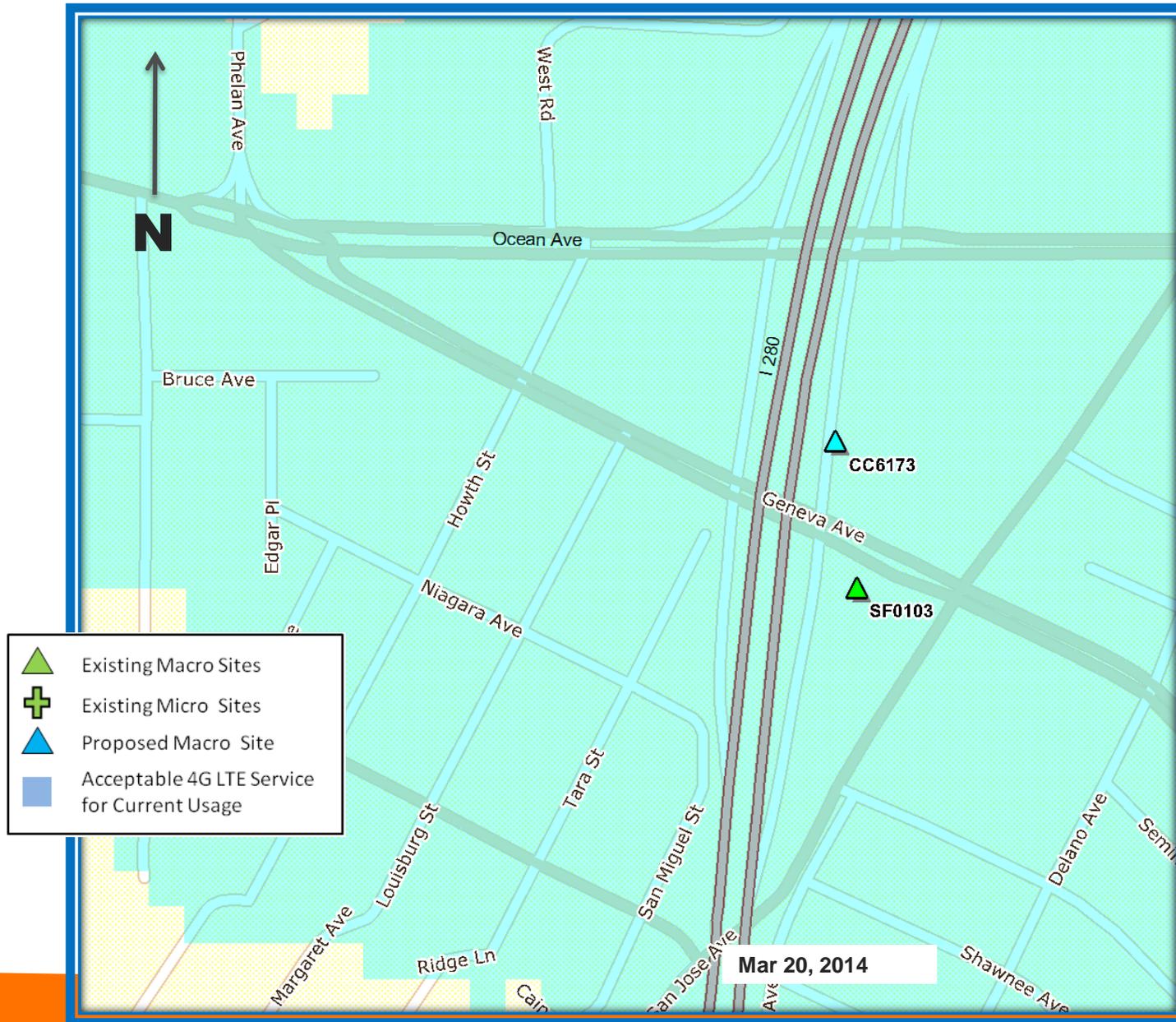


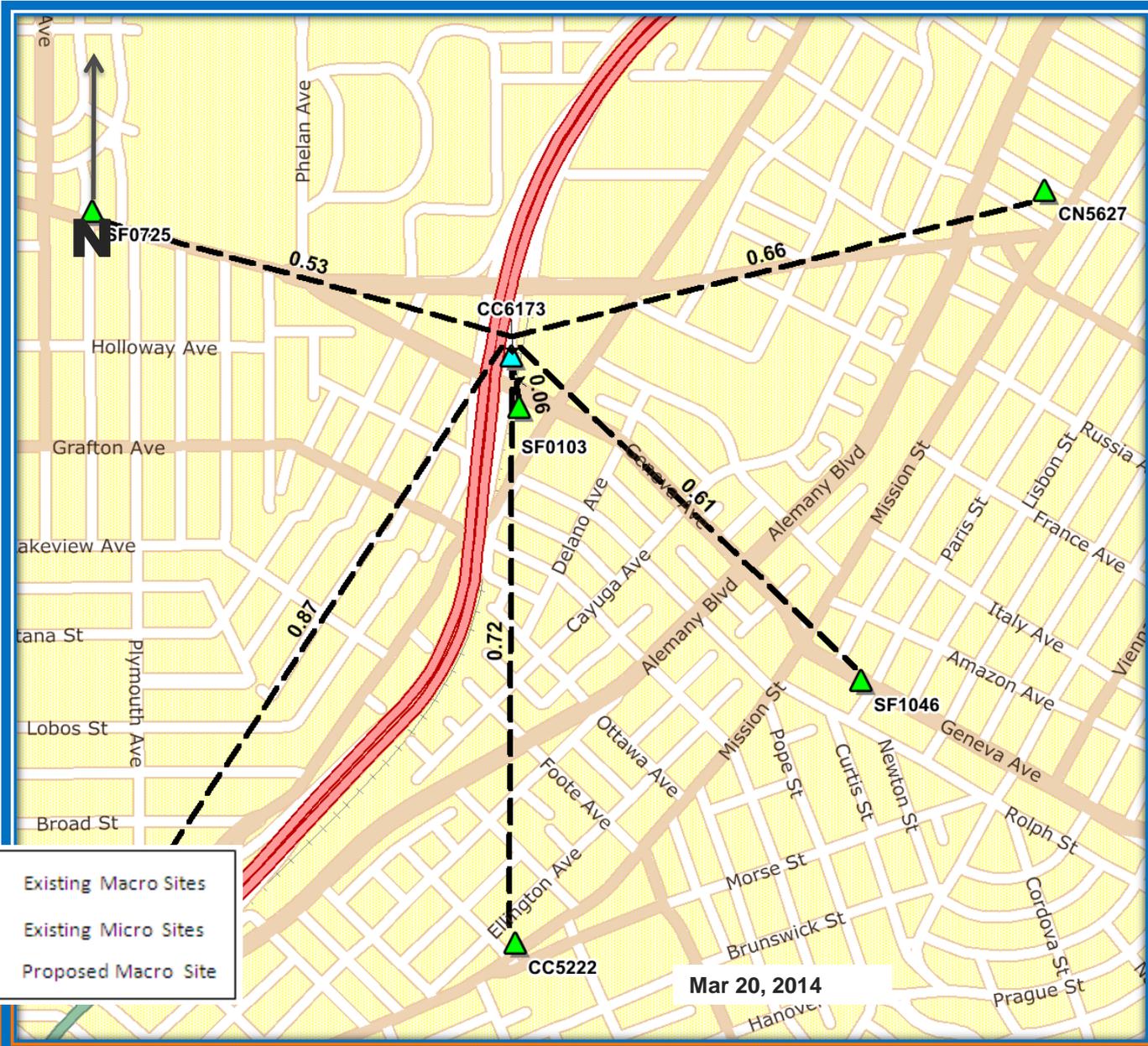
Exhibit 6 - Proposed Site at 401 Geneva Ave(CC6173)

4G LTE Service Area AFTER site is constructed



Existing Surrounding Sites at 401 Geneva Ave

CC6173



Mar 20, 2014



AT&T Mobility
430 Bush St. 5th Floor
San Francisco, CA 94108

July 2, 2014

Omar Masry, Planner
San Francisco Department of Planning
1650 Mission Street, Suite 400
San Francisco, CA 94103

Re: Community Meeting for proposed AT&T Mobility facility at 401 Geneva (Balboa Park BART)

Dear Omar,

On July 2, 2014, a meeting was hosted by me, Julian Chang with AT&T External Affairs, Neil Olij with Hammett and Edison, and Stan Sarkisov with BergDavis Public Affairs for CCU6173—401 Geneva (Balboa Park BART). No members of the community attended the meeting, held at the Ingleside Branch Public Library.

After waiting for half an hour and still no members of the community arriving, the meeting was concluded.

Copies of the signed community meeting affidavit and meeting notice are attached. There is not sign-in sheet to submit as no one from the public attended the meeting.

Sincerely,

A handwritten signature in blue ink, appearing to read "Eric Lentz".

Eric Lentz, Land Use Consultant
Permit Me, Inc.
For AT&T Mobility
Cell: 805-895-4394
Email: ericlentz@permitme.net



Affidavit of Conducting a Community Outreach Meeting, Sign-in Sheet and Issues/Responses submittal

I, Eric Lentz, do hereby declare as follows:
(print name)

1. I have conducted a **Community Outreach Meeting** for the proposed new construction or alteration prior to submitting a building permit in accordance with Planning Commission Pre-Application Policy.

2. The meeting was conducted at Ingleside Branch Library, 1298 Ocean Avenue
(Meeting Location)

on July 2, 2014 from 6:00pm – 6:30pm.
(Date) (Time)

3. I have included the **mailing list, meeting initiation, sign-in sheet, issue/response summary, and reduced plans** with the Conditional Use Application. I understand that I am responsible for the accuracy of this information and that erroneous information may lead to suspension or revocation of the permit.

4. I have prepared these materials in good faith and to the best of my ability.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

EXECUTED ON THIS DAY, July 2, 2014 IN SAN FRANCISCO

Signature

Eric W. Lentz
Name (type or print)

Agent for AT&T Mobility
Relationship to Project, e.g. Agent
(if Agent, give business name and profession)

401 Geneva Avenue
Project Address

NOTICE OF COMMUNITY OUTREACH MEETING ON A PROPOSED WIRELESS COMMUNICATION FACILITY IN YOUR NEIGHBORHOOD

To: Neighborhood Groups and Neighbors & Owners within 500' radius of 401 Geneva Avenue

Meeting Information

Date: Wednesday, July 2, 2014
Time: 6:00 p.m.
Where: Ingleside Branch Library
1298 Ocean Avenue
San Francisco, CA 94122

Site Information

Address: 401 Geneva Avenue
Block/Lot: 6949/011
Zoning: P

Applicant

AT&T Mobility

Contact Information

AT&T Mobility Hotline
(415) 646-0972

AT&T Mobility is proposing a wireless communication facility at 401 Geneva Avenue needed by AT&T Mobility as part of its San Francisco wireless network. AT&T Mobility proposes to relocate an existing facility from a light standard at Balboa Park BART station south of Geneva Avenue to the existing monopole at the Balboa Park BART station north of Geneva Avenue. Plans and photo simulations will be available for your review at the meeting. You are invited to attend an informational community meeting located at the Ingleside Branch Library at 1298 Ocean Avenue on Wednesday, July 2, 2014, at 6:00 p.m. to learn more about the project.

If you have any questions regarding the proposal and are unable to attend the meeting, please contact the AT&T Mobility Hotline at (415) 646-0972 and an AT&T Mobility specialist will return your call. Please contact Omar Masry, staff planner with the City of San Francisco Planning Department at (415) 575-9116 if you have any questions regarding the planning process.

NOTE: If you require an interpreter to be present at the meeting, please contact our office at (415) 646-0972 no later than 5:00pm on Friday, June 27, 2014 and we will make every effort to provide you with an interpreter.

關於計畫在您所在街區安裝一座無線通信設施的社區資訊通報會通知

致：Geneva 街 401 號(401 Geneva Avenue) 周圍五百英尺內的居民組織、居民和業主

會議資訊

日期：2014 年 7 月 2 日星期三
時間：下午 6:00

地點：Ingleside Branch Library
1298 Ocean Avenue
San Francisco, CA 94122

設施地點資訊

地址：Geneva 街 401 號
街區/地塊 6949/011
分區：P

申請公司

AT&T Mobility

聯繫資訊

AT&T Mobility 公司熱線電話
(415) 646-0972

AT&T Mobility 公司計畫在 Geneva 街 401 號安裝一座無線通訊設施，作為 AT&T Mobility 公司在三藩市無線網路的一部分。AT&T Mobility 計畫將把 Geneva 街南面 Balboa Park BART 車站的現有光標準遷移到 Geneva 街北面 Balboa Park BART 車站的現有單極。我們在會上將提供計畫書和類比圖片供您參考。我們誠邀您參加 2014 年 7 月 2 日星期四下午 6 點在 San Francisco Public Library in the Stong Room, Floor 1 召開的社區資訊通報會，以便您瞭解有關本專案的更多資訊。

如果您對該計畫有任何疑問，但是無法出席這次會議，請撥打 AT&T Mobility 公司熱線電話(415) 646-0972，AT&T Mobility 公司的一位專業人員將會回復您的電話。如果您對規劃流程有任何疑問，請撥打電話(415)575-9116 联系三藩市规划厅的 Omar Masry，電子郵件是 omar.masry@sfgov.org。

注意：如果您需要一名翻譯陪同您出席會議，請在不晚於 2014 年 6 月 27 日（星期五）下午 5 點前致電 (415) 646-0972 與本辦公室聯繫，我們將盡力為您配備一名翻譯。

NOTIFICACIÓN DE REUNIÓN DE ALCANCE COMUNITARIO SOBRE UNA INSTALACIÓN DE COMUNICACIONES INALÁMBRICAS PROPUESTA EN SU VECINDARIO

Para: Grupos del vecindario, vecinos y propietarios dentro de un radio de 500' de 401 Geneva Avenue

Información de la reunión

Fecha: Miércoles 2 de julio de 2014
Hora: 6:00 p.m.
Dónde: Ingleside Branch Library
1298 Ocean Avenue
San Francisco, CA 94122

Información del lugar

Dirección: 401 Geneva Avenue
Cuadra/Lote: 6949/011
Zonificación: P

Solicitante

AT&T Mobility

Información de contacto

Línea directa de AT&T Mobility
(415) 646-0972

AT&T Mobility propone instalar una instalación de comunicaciones inalámbricas en 401 Geneva Avenue necesaria para AT&T Mobility como parte de su red inalámbrica en San Francisco. AT&T Mobility propone trasladar una instalación existente de un farol de pie en la estación sur Balboa Park BART de Geneva Avenue al monopolo existente en la estación norte Balboa Park BART de Geneva Avenue. Habrá planos y fotos disponibles para que usted los revise en la reunión. Se lo invita a asistir a una reunión informativa de la comunidad que se realizará en Ingleside Branch Library, 1298 Ocean Avenue el miércoles 2 de julio de 2014 a las 06:00 p.m. para tener más información sobre el proyecto.

Si tiene preguntas relacionadas con la propuesta y no puede asistir a la reunión, por favor llame a la Línea Directa de AT&T Mobility, (415) 646-0972, y un especialista de AT&T Mobility le devolverá el llamado. Por favor, contacte a Omar Masry, planificador del Departamento de Planificación de la Ciudad de San Francisco al (415) 575-9116 si tiene alguna pregunta relacionada con el proceso de planificación.

NOTA: Si necesita que un intérprete esté presente en la reunión, por favor, contacte a nuestra oficina al (415) 646-0972 el viernes 27 de junio de 2014 antes de las 5:00 p.m., y haremos todos lo posible para proporcionarle un intérprete.



HAMMETT & EDISON, INC.
 CONSULTING ENGINEERS
 BROADCAST & WIRELESS

WILLIAM F. HAMMETT, P.E.
 STANLEY SALEK, P.E.
 ROBERT P. SMITH, JR.
 RAJAT MATHUR, P.E.
 ANDREA L. BRIGHT, P.E.
 KENT A. SWISHER
 NEIL J. OLIJ
 SAMMIT S. NENE
 BRIAN F. PALMER

ROBERT L. HAMMETT, P.E.
 1920-2002
 EDWARD EDISON, P.E.
 1920-2009

DANE E. ERICKSEN, P.E.
 CONSULTANT

BY E-MAIL TV8342@ATT.COM

April 22, 2014

Theadora K. Vriheas, Esq.
 AT&T Mobility
 430 Bush Street
 San Francisco, California 94108-3735

Dear Tedi:

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 401 Geneva Avenue (Site No. CC6173). This is to fulfill the submittal requirements for Planning Department review.

Executive Summary

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

AT&T presently has installed six directional panel antennas on a light pole on the south side of Geneva Avenue, across from the Bay Area Rapid Transit ("BART") station located at 401 Geneva Avenue. AT&T proposes to accommodate BART's request to relocate its base station to the tallest Verizon Wireless tower, about 320 feet to the north. AT&T will install nine Andrew Model SBNHH-1D65A directional panel antennas on that existing pole. The antennas would be mounted with up to 6° downtilt at effective heights of about 40, 46½, and 53 feet above ground and would be oriented in groups of three (one at each height) at about 120° spacing, to provide service in all directions. The maximum effective radiated power proposed by AT&T in any direction is 4,810 watts, representing simultaneous operation at 1,740 watts for WCS, 2,100 watts for PCS, 520 watts for cellular, and 450 watts for 700 MHz service.

AT&T provided for review two pairs of coverage maps, dated March 20, 2014, attached for reference. The maps show AT&T's cellular UMTS (850 MHz) and 4G LTE (700 MHz) indoor coverage in the area before and after the site is operational. Both the before and after UMTS maps show three levels of coverage, which AT&T colors and defines as follows:

- Green Acceptable service coverage during high demand periods
- Hashed Yellow Service coverage gap during high demand periods
- Pink Service coverage gap during all demand periods

The 4G LTE maps do not differentiate between demand periods; rather they indicate, with the color blue, locations where 4G service is and would be acceptable.

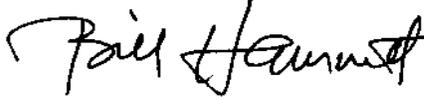
Theadora K. Vriheas, Esq., page 2
April 22, 2014

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 develop its coverage maps. The outdoor service thresholds that AT&T uses to estimate indoor service are in line with industry standards, similar to the thresholds used by other wireless service providers.

We note that the before maps do not show a gap in coverage that the proposed relocation is intended to improve, and so measurements of the actual coverage in the area would not be relevant to this proposal. The service areas shown in the map pairs are similar, as would be expected for a site that is merely being relocated but not upgraded.

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

Sincerely yours,



William F. Hammett, P.E.

bc

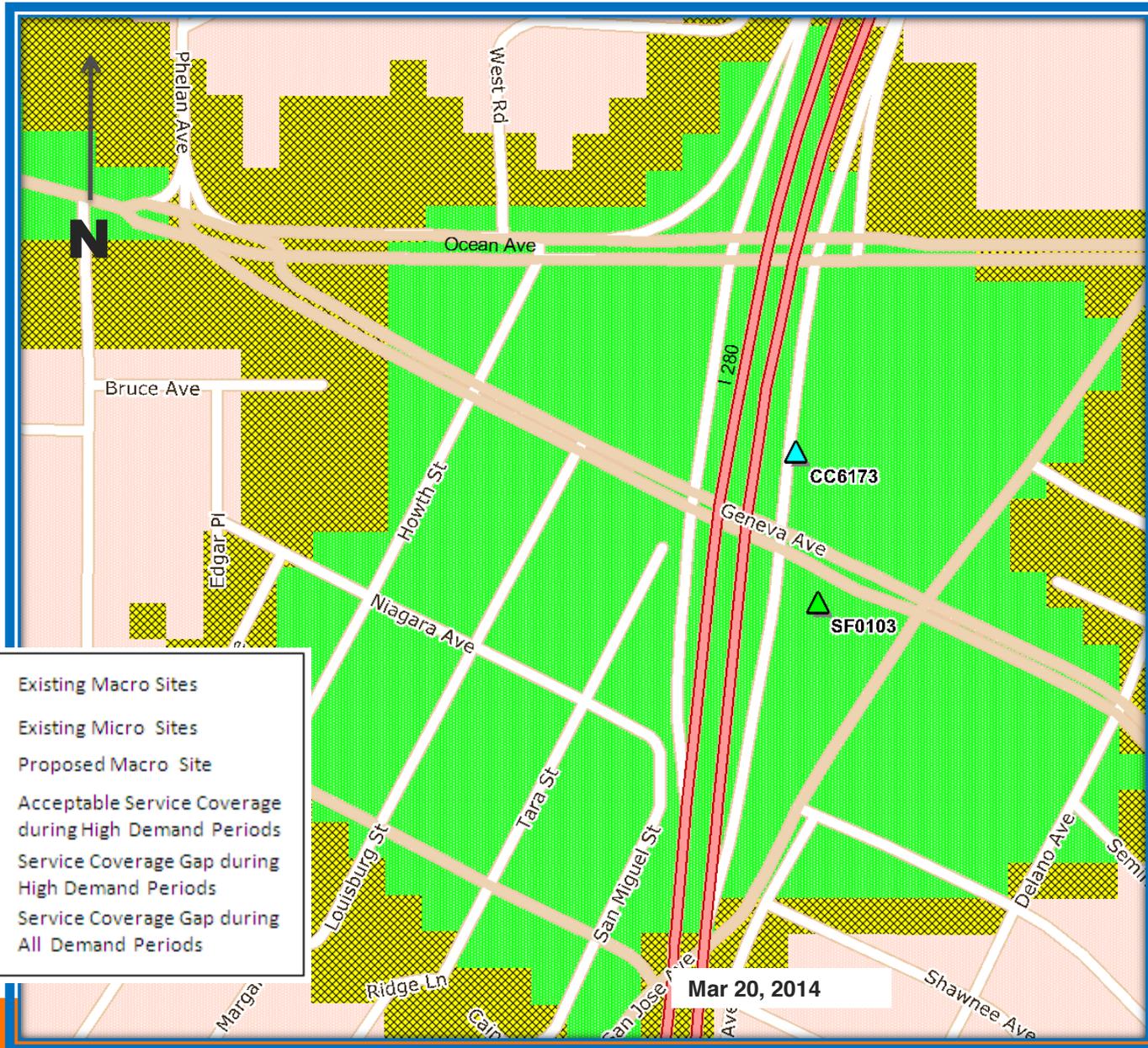
Enclosures



cc: Mr. Michael J. Caniglia (w/encls) - BY E-MAIL MC0763@ATT.COM
Mr. Eric Lentz (w/encls) - BY E-MAIL ERICLENTZ@PERMITME.NET

Exhibit 2 - Proposed Site at 401 Geneva Ave(CC6173)

Service Area BEFORE site is constructed



- ▲ Existing Macro Sites
- ⊕ Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable Service Coverage during High Demand Periods
- Service Coverage Gap during High Demand Periods
- Service Coverage Gap during All Demand Periods

Exhibit 4 - Proposed Site at 401 Geneva Ave(CC6173)

Service Area AFTER site is constructed

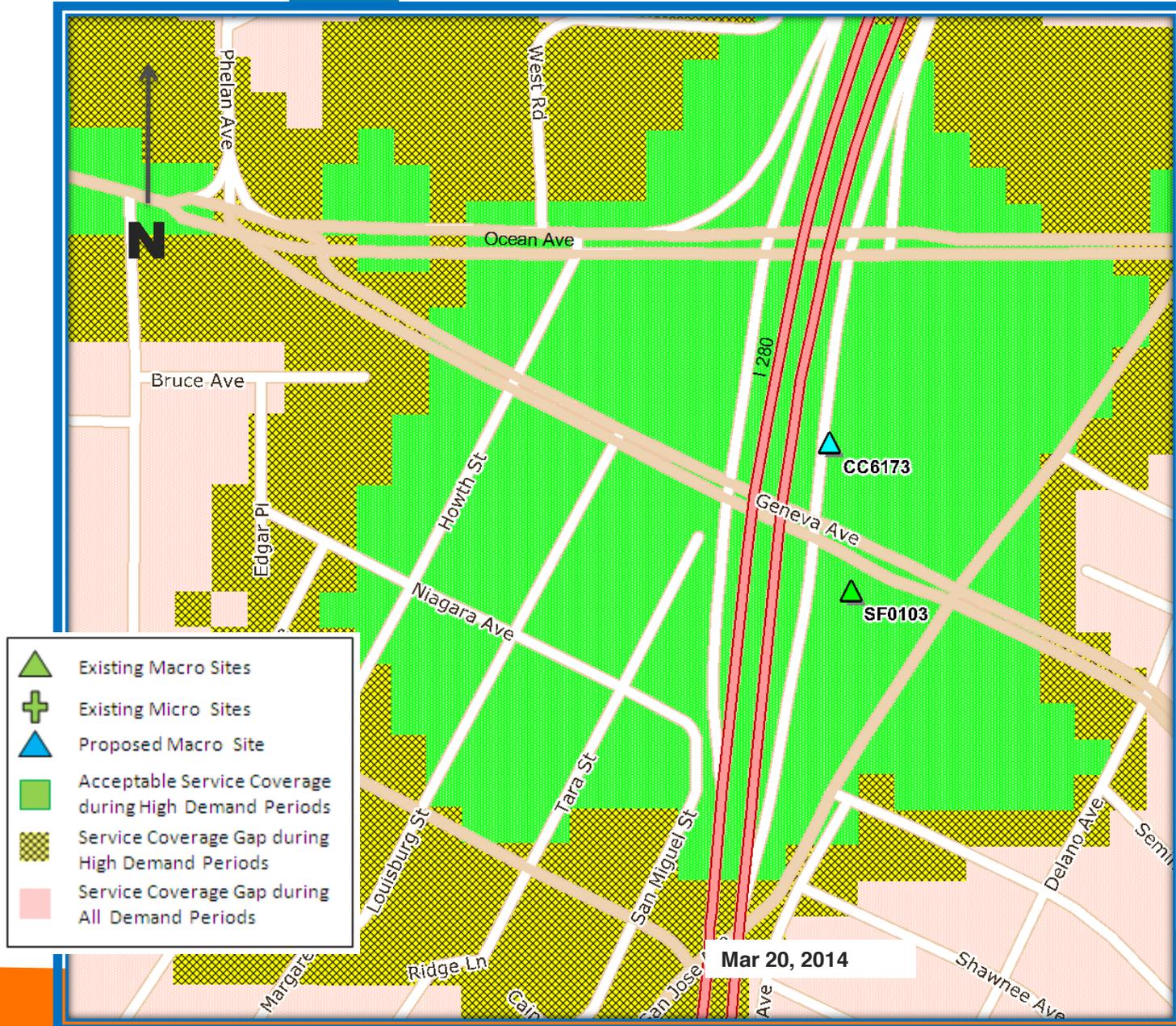


Exhibit 5 - Proposed Site at 401 Geneva Ave(CC6173)

4G LTE Service Area BEFORE site is constructed

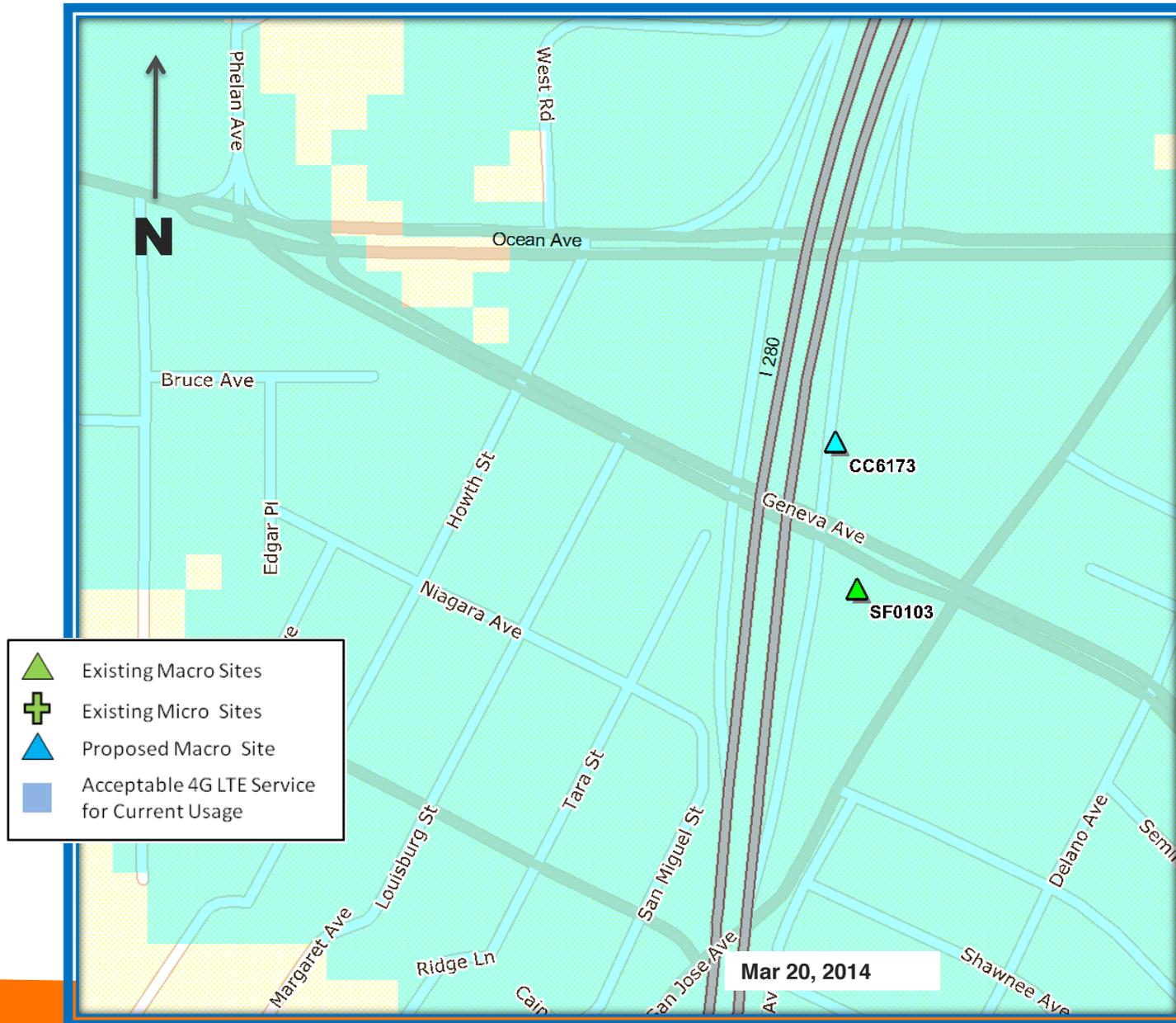
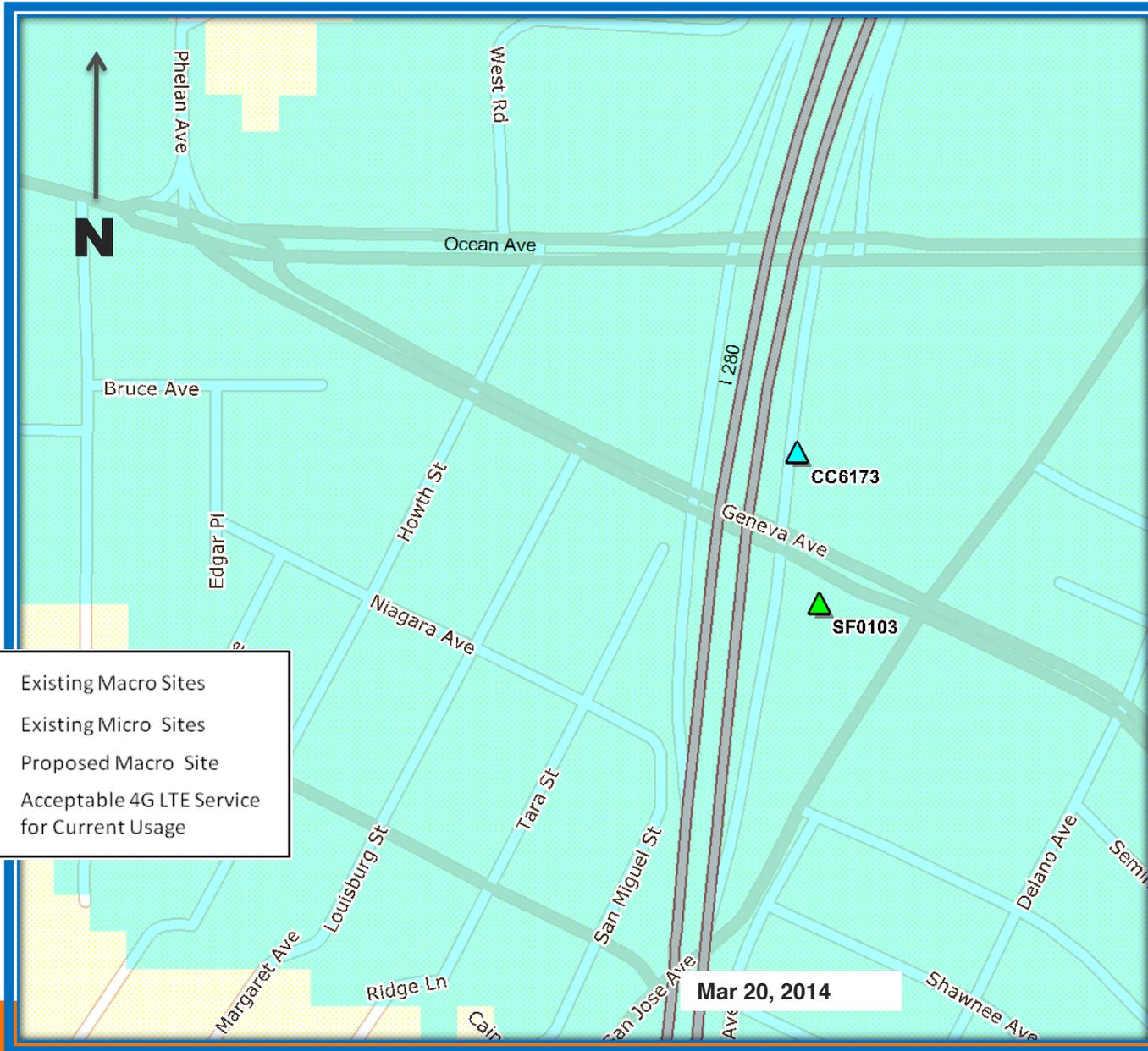


Exhibit 6 - Proposed Site at 401 Geneva Ave(CC6173)

4G LTE Service Area AFTER site is constructed





at&t

LTE#: CCL06173
 UMTS#: CCU6173
 FA LOCATION#: 13057942
 USID#: TBD
 RFDS VER#: 11/06/13_V10.08.00

BALBOA PARK BART
 STATION TELECOMMUNICATIONS
 RELOCATION PROJECT

CCU6173
 401 GENEVA AVE
 SAN FRANCISCO, CA 94112

BALBOA PARK BART STATION TELECOMMUNICATIONS RELOCATION PROJECT CCU6173

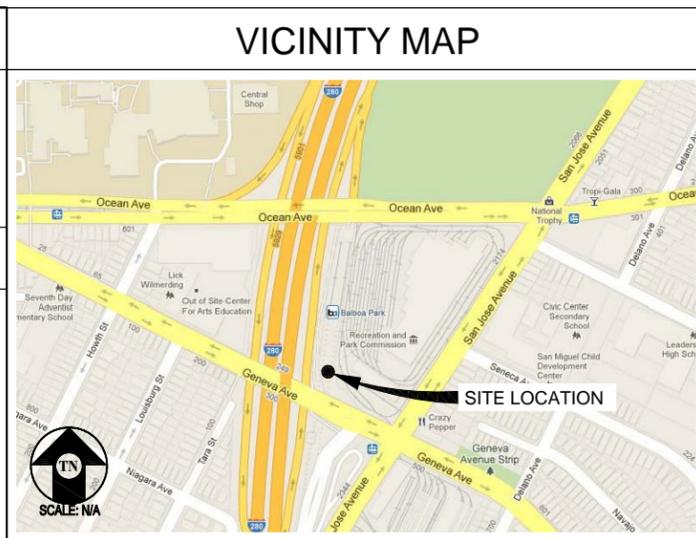
EXHIBIT B / CONDITIONAL USE AUTHORIZATION 2014.0682.C

ISSUE STATUS			
Δ	DATE	DESCRIPTION	BY
	02/04/14	ZD 90%	C.C.
	03/10/14	ZD 100%	J.S.
	03/31/14	CLIENT REV	J.S.
	04/18/14	CLIENT REV	J.S.
	06/02/14	CLIENT REV	J.S.
	-	-	-

DRAWN BY: C. CODY
 CHECKED BY: J. GRAY
 APPROVED BY: -
 DATE: 06/02/14

PROJECT DESCRIPTION

A MODIFICATION TO AN (E) UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF REMOVING ALL (E) INDOOR EQUIPMENT & RELOCATING SITE. INSTALL A (P) AT&T 10'-3"x16'-10" (183 SOFT TOTAL W/ DOOR SWING) EQUIPMENT SHELTER W/ (1) (P) 26" DC POWER PLANT, (1) (P) 26" BATTERY RACK, (3) (P) 23" RACKS W/ (P) DUW & DUS41 RBS EQUIPMENT, (21) (P) RRUS-11 UNITS, & (6) (P) A2 MODULES. INSTALL (P) 7'-2"x11'-11" LEASE AREA (14 SOFT) W/ (2) (P) CONDENSER UNITS MOUNTED TO (E) WALL IN (E) TRANSFORMER AREA. ALSO ADDING (9) (P) ANTENNAS, A (P) GPS ANTENNA, (9) (P) DTMA'S & (54) (P) RUNS OF COAX TO AN (E) VERIZON WIRELESS MONOPOLE. ALSO REMOVING (6) (E) AT&T ANTENNAS & (6) (E) TMA'S FROM AN (E) LIGHT POLE.



CODE COMPLIANCE

ALL WORK & MATERIALS SHALL BE PERFORMED & 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:

- 2013 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
- 2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2012 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2010 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
- 2013 CITY OF SAN FRANCISCO FIRE CODE (2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)
- 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
- 2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. ANSI/EIA-TIA-222-G

ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.4

PROJECT INFORMATION

SITE NAME: BALBOA PARK BART STATION TELECOMMUNICATIONS RELOCATION PROJECT SITE #: CCU6173

COUNTY: SAN FRANCISCO JURISDICTION: CITY OF SAN FRANCISCO / BART

APN: 6949-011 (SF BART), 6949-013 (CITY) POWER: PG&E

SITE ADDRESS: 401 GENEVA AVE SAN FRANCISCO, CA 94112 TELEPHONE: AT&T

CURRENT ZONING: P

CONSTRUCTION TYPE: V

OCCUPANCY TYPE: U (UNMANNED COMMUNICATIONS FACILITY)

PROPERTY OWNER: SAN FRANCISCO B.A.R.T 300 LAKESIDE DR, 22ND OAKLAND, CA 94612 ATTN: KEVIN GREY (510) 507-3493

APPLICANT: AT&T 430 BUSH ST, 5TH FLOOR SAN FRANCISCO, CA 94108

LEASING CONTACT: ATTN: CAROLINA ROBERTS (925) 286-1076

ZONING CONTACT: ATTN: ERIC LENTZ (805) 895-4394

CONSTRUCTION CONTACT: ATTN: AARON MCCLAIN (805) 471-2605

RF DESIGN ENGINEER: ATTN: NAVDEEP OBERVI (925) 789-7745 NO896U@ATT.COM

LATITUDE: N 37° 43' 18.14" NAD 83
 LONGITUDE: W 122° 26' 51.47" NAD 83

AMSL: ±236.5'

Streamline Engineering and Design, Inc.

8445 Sierra College Blvd, Suite E Granite Bay, CA 95661
 Contact: Larry Houghby Phone: 916-275-4180
 E-Mail: larry@streamlineeng.com Fax: 916-660-1941

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SHEET INDEX			APPROVAL
SHEET	DESCRIPTION	REV	
T-1	TITLE SHEET	-	RF
LS-1	TOPOGRAPHIC SURVEY	-	
A-1	OVERALL SITE PLAN	-	LEASING
A-2	SITE PLANS	-	ZONING
A-3	EQUIPMENT PLANS	-	CONSTRUCTION
A-4	ANTENNA PLANS	-	
A-5	ELEVATIONS	-	AT&T
A-6	ELEVATION	-	
A-7	ELEVATION	-	
A-8	DETAILS	-	

at&t

430 BUSH ST, 5TH FLOOR
 SAN FRANCISCO, CA 94108

SHEET TITLE:

TITLE

SHEET NUMBER:

T-1

**BALBOA PARK BART
STATION TELECOMMUNICATIONS
RELOCATION PROJECT**

CCU6173
401 GENEVA AVE
SAN FRANCISCO, CA 94112

ISSUE STATUS

Δ	DATE	DESCRIPTION	BY
	02/04/14	ZD 90%	C.C.
	03/10/14	ZD 100%	J.S.
	03/31/14	CLIENT REV	J.S.
	04/18/14	CLIENT REV	J.S.
	06/02/14	CLIENT REV	J.S.
	-	-	-

DRAWN BY: C. CODY

CHECKED BY: J. GRAY

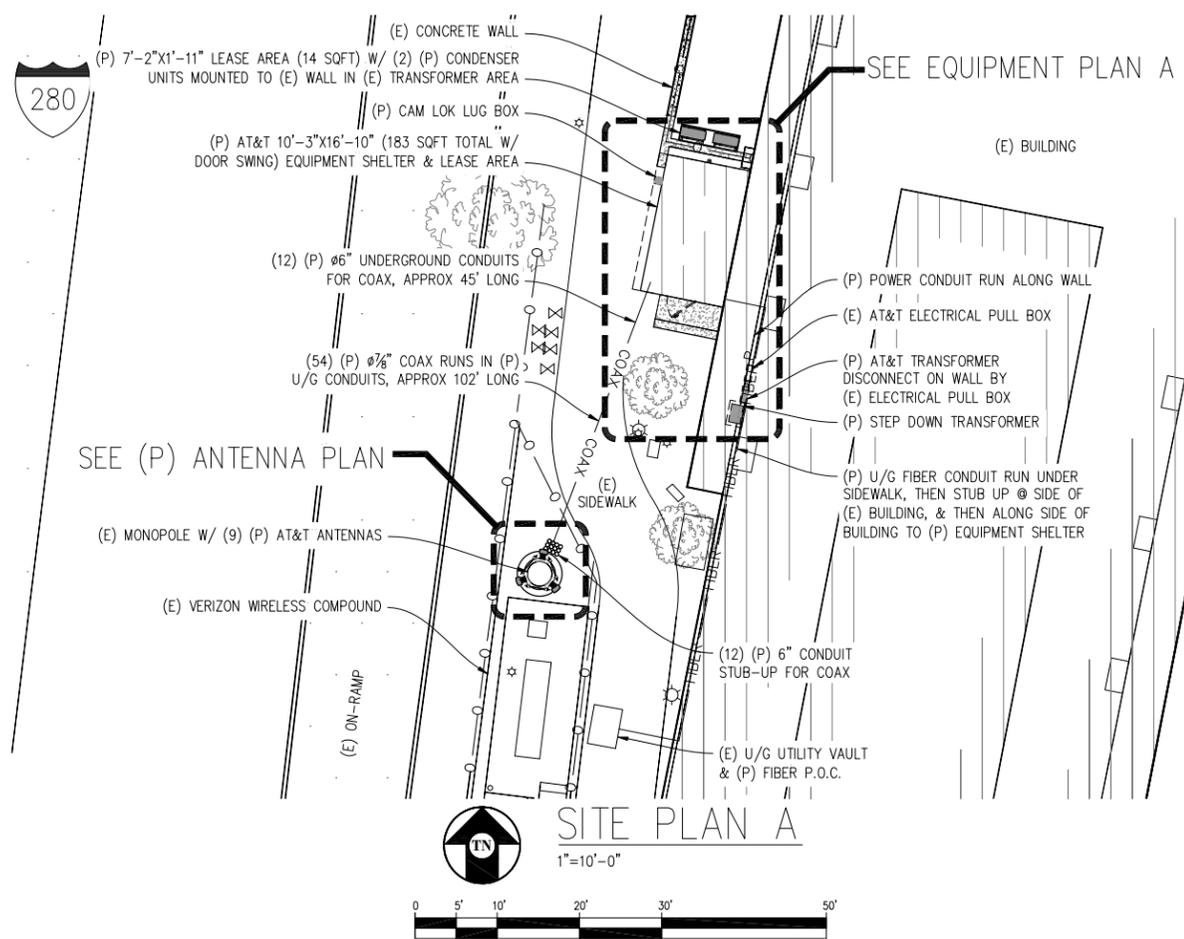
APPROVED BY: -

DATE: 06/02/14

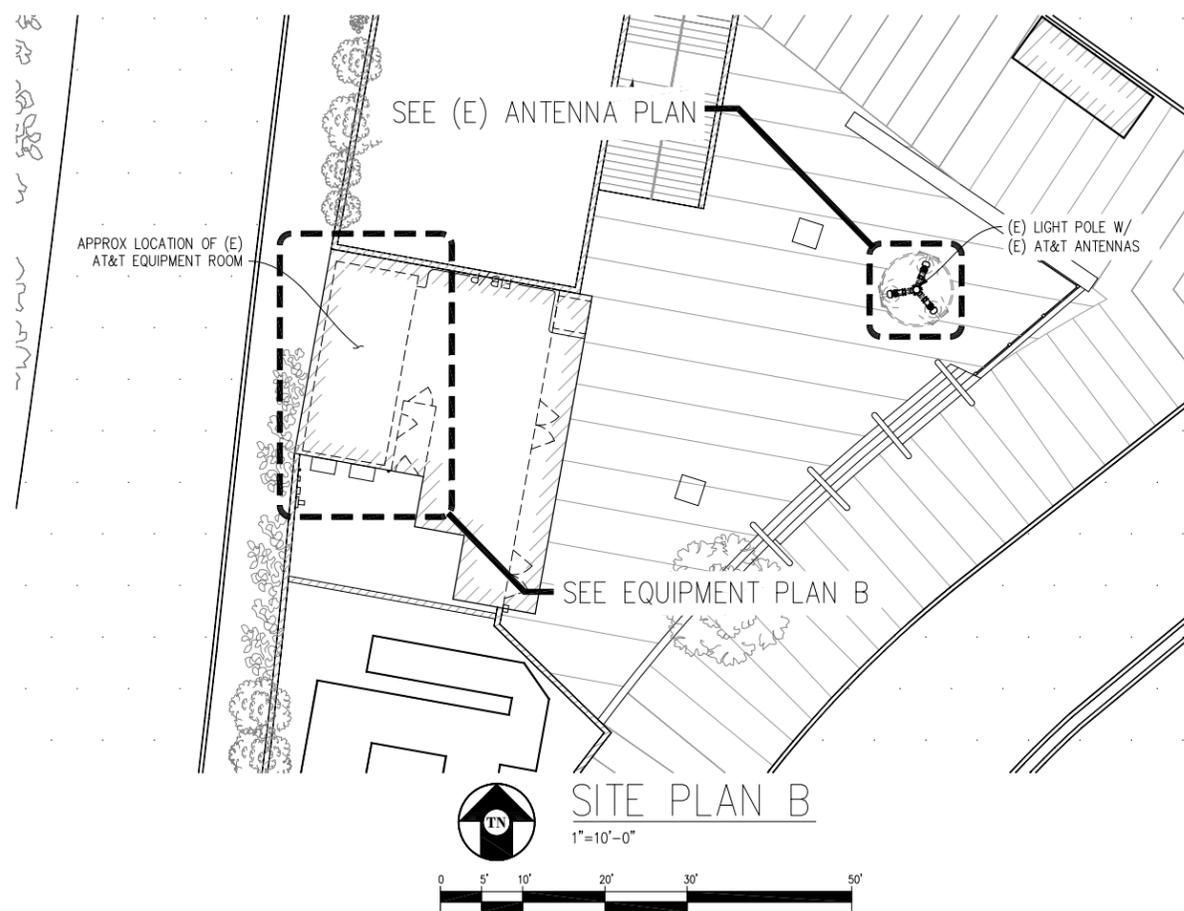
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(NEW SITE)



NOTE:
ALL (E) AT&T EQUIPMENT & ANTENNAS
⊙ SITE PLAN B TO BE REMOVED

(EXISTING SITE)

at&t



430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

SITE PLANS

SHEET NUMBER:

A-2

**BALBOA PARK BART
STATION TELECOMMUNICATIONS
RELOCATION PROJECT**

CCU6173
401 GENEVA AVE
SAN FRANCISCO, CA 94112

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	06/02/14	CLIENT REV	J.S.

DRAWN BY: C. CODY

CHECKED BY: J. GRAY

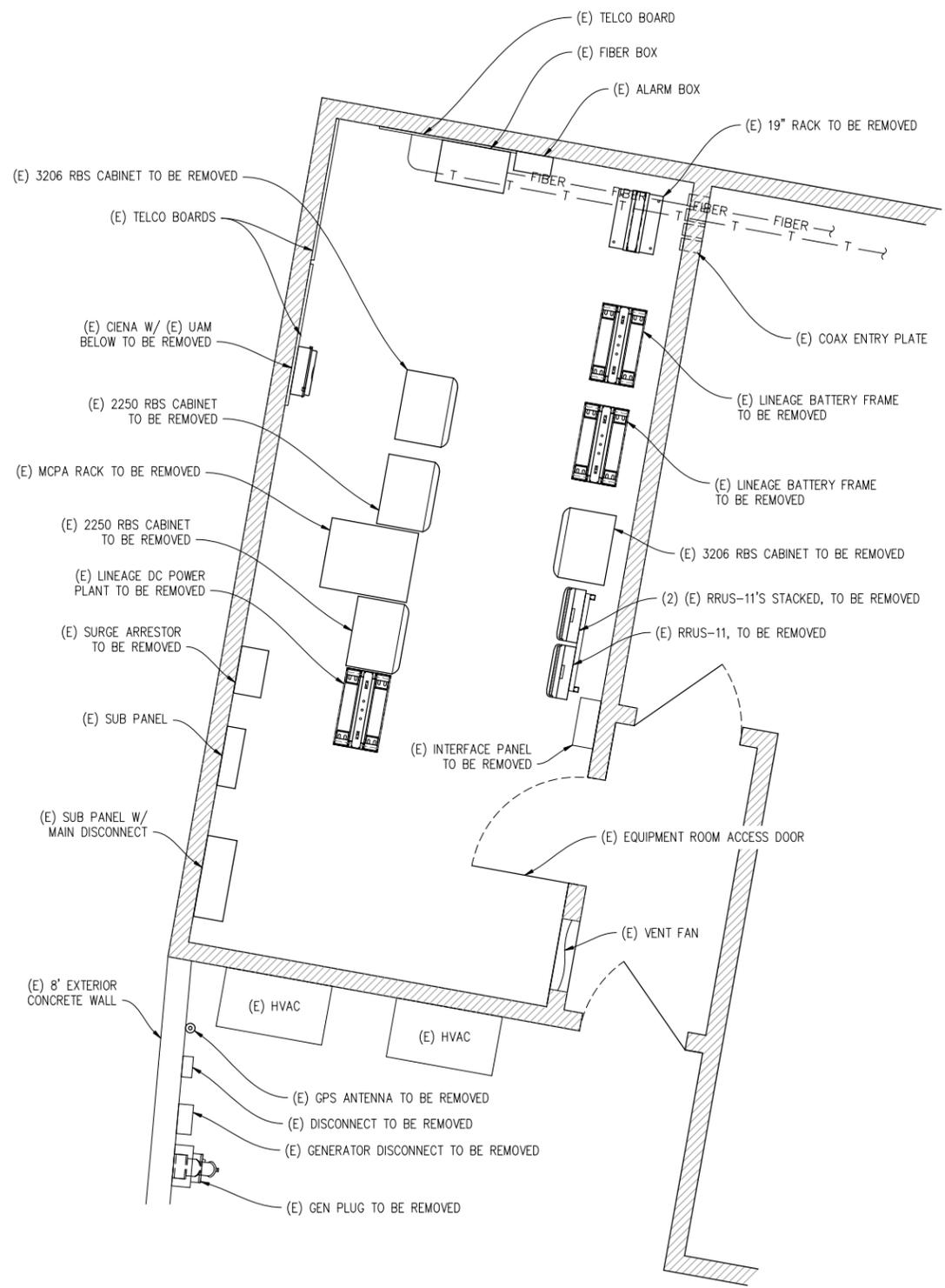
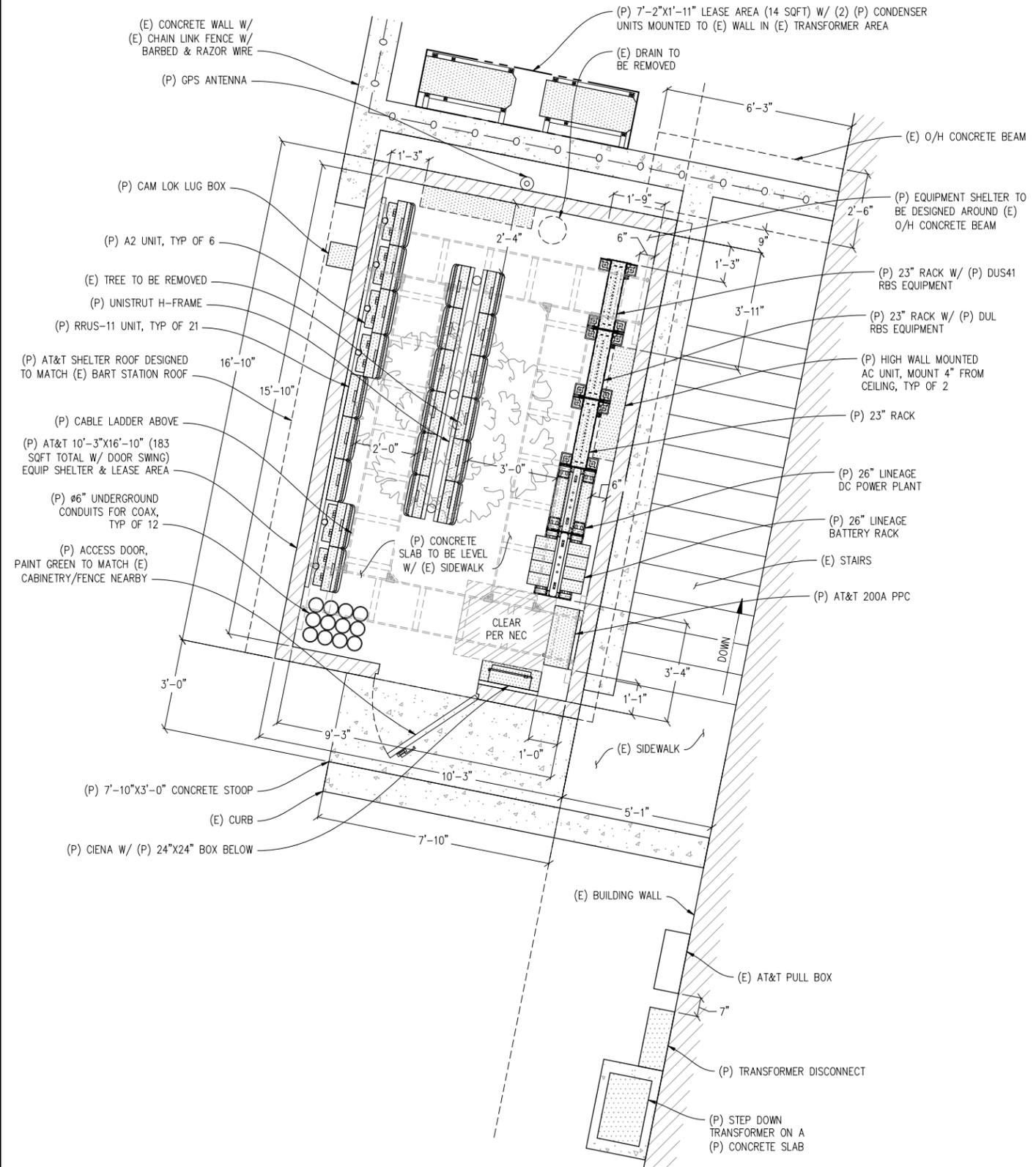
APPROVED BY: -

DATE: 06/02/14

Streamline Engineering
and Design, Inc.

8445 Sierra College Blvd, Suite E Granite Bay, CA 95861
Contact: Larry Houghby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

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NOTE:
1. (P) RRUS-11 UNITS ARE TO BE STAGGERED
2. DO NOT STACK (P) RRUS-11 UNITS

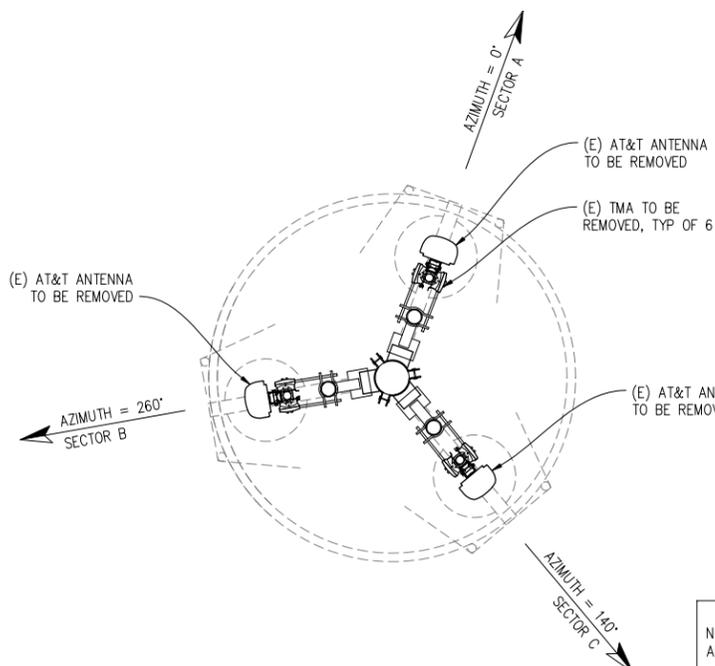
NOTE:
ALL (E) AT&T EQUIPMENT TO BE REMOVED PER BART SPECIFICATIONS

at&t

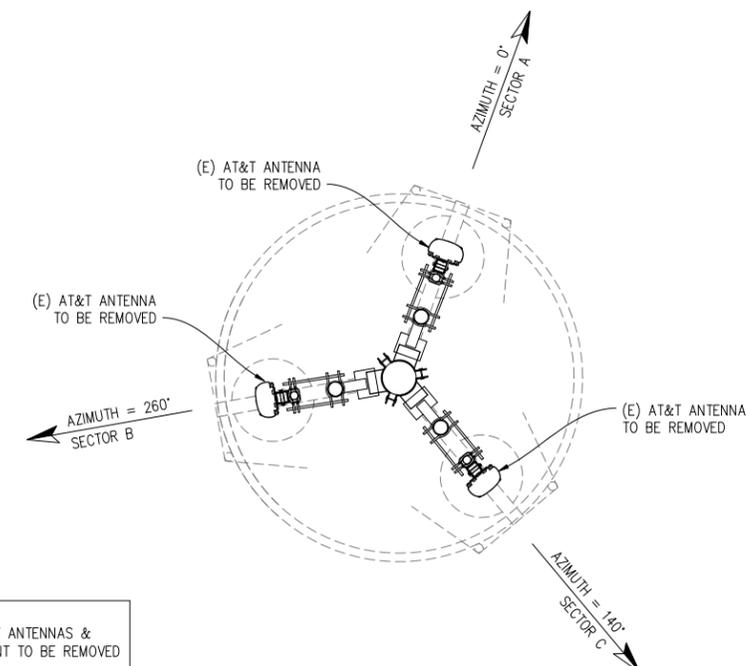
430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:
EQUIPMENT PLANS

SHEET NUMBER:
A-3



(E) UPPER ANTENNA PLAN
 1/2"=1'-0"
 (EXISTING SITE)



(E) LOWER ANTENNA PLAN
 1/2"=1'-0"
 (EXISTING SITE)

ANTENNA & CABLE SCHEDULE											
ANTENNAS							CABLING				
ANTENNA POSITION	ANTENNA MODEL	RAD CENTER	AZIMUTH	MDT	EDT	RET	TMA OR DIPLEXER	NO. OF COAX CABLES	COAX DIA.	COAX LENGTH	
ALPHA SECTOR	A1	SBNHH-1D65A	53'-0"	10°	0'	6'/3"	YES	(P) DTMA	6	7/8"	102'
	A2	SBNHH-1D65A	46'-6"	10°	0'	6'/3"	YES	(P) DTMA	6	7/8"	96'
	A3	SBNHH-1D65A	40'-0"	10°	0'	6'/3"	YES	(P) DTMA	6	7/8"	89'
BETA SECTOR	B1	SBNHH-1D65A	53'-0"	250°	0'	6'/3"	YES	(P) DTMA	6	7/8"	102'
	B2	SBNHH-1D65A	46'-6"	250°	0'	6'/3"	YES	(P) DTMA	6	7/8"	96'
	B3	SBNHH-1D65A	40'-0"	250°	0'	6'/3"	YES	(P) DTMA	6	7/8"	89'
GAMMA SECTOR	C1	SBNHH-1D65A	53'-0"	140°	0'	6'/3"	YES	(P) DTMA	6	7/8"	102'
	C2	SBNHH-1D65A	46'-6"	140°	0'	6'/3"	YES	(P) DTMA	6	7/8"	96'
	C3	SBNHH-1D65A	40'-0"	140°	0'	6'/3"	YES	(P) DTMA	6	7/8"	89'

NOTE: CONTRACTOR TO VERIFY LATEST RF DESIGN

NOTICE
 EXISTING MONOPOLE TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING POLE OR FOUNDATION FOR THE EXISTING AND NEW LOADING CONDITIONS.

BALBOA PARK BART STATION TELECOMMUNICATIONS RELOCATION PROJECT
 CCU6173
 401 GENEVA AVE
 SAN FRANCISCO, CA 94112

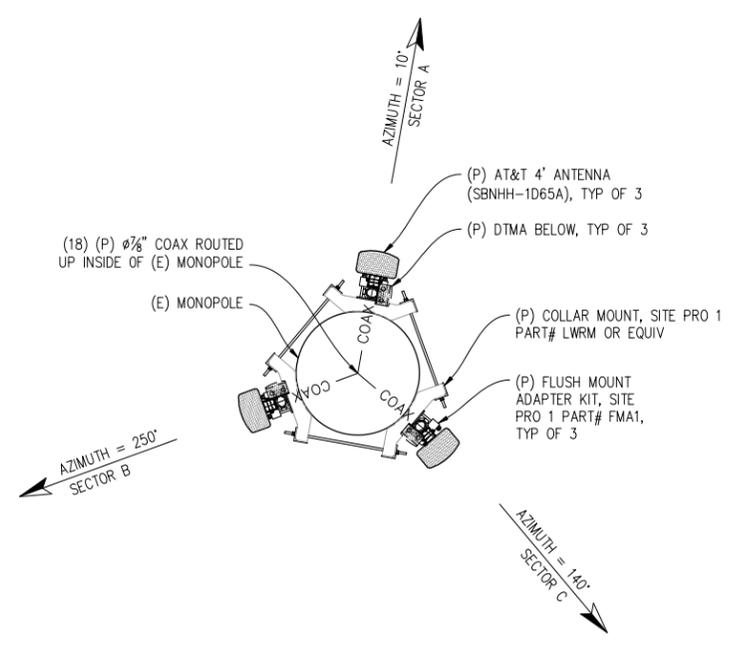
ISSUE STATUS

DATE	DESCRIPTION	BY
02/04/14	ZD 90%	C.C.
03/10/14	ZD 100%	J.S.
03/31/14	CLIENT REV	J.S.
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06/02/14	CLIENT REV	J.S.
-	-	-

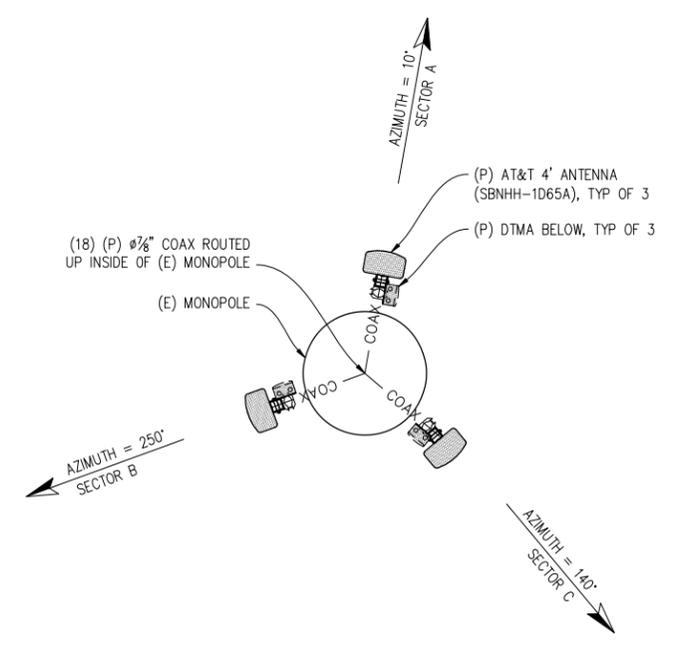
DRAWN BY: C. CODY
 CHECKED BY: J. GRAY
 APPROVED BY: -
 DATE: 06/02/14

Streamline Engineering and Design, Inc.
 8445 Sierra College Blvd, Suite E Granite Bay, CA 95661
 Contact: Larry Houghby Phone: 916-275-4180
 E-Mail: larry@streamlineeng.com Fax: 916-660-1941

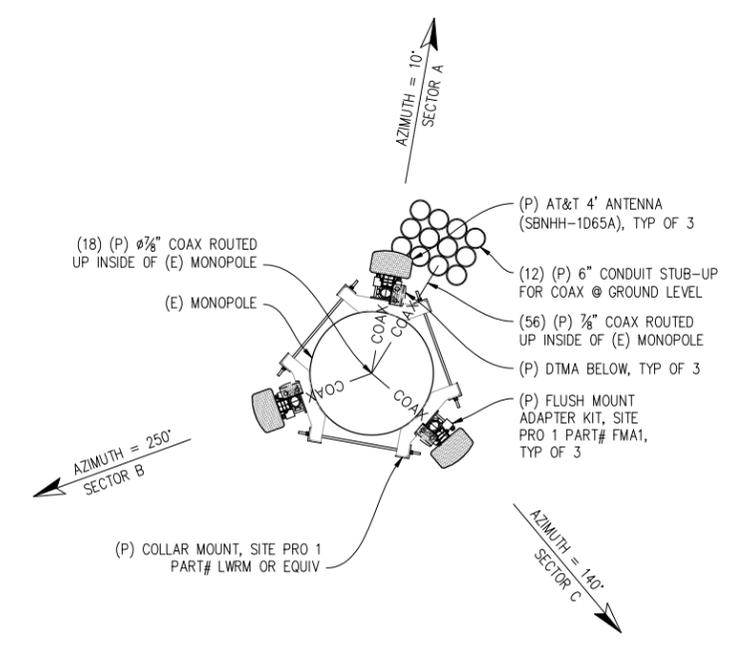
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(P) ANTENNA PLAN @ 53'
 1/2"=1'-0"
 (NEW SITE)



(P) ANTENNA PLAN @ 46.5'
 1/2"=1'-0"
 (NEW SITE)



(P) ANTENNA PLAN @ 40'
 1/2"=1'-0"
 (NEW SITE)

at&t
 430 BUSH ST, 5TH FLOOR
 SAN FRANCISCO, CA 94108

SHEET TITLE:
 ANTENNA PLANS
SHEET NUMBER:
 A-4

**BALBOA PARK BART
STATION TELECOMMUNICATIONS
RELOCATION PROJECT**

CCU6173
401 GENEVA AVE
SAN FRANCISCO, CA 94112

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	06/02/14	CLIENT REV	J.S.
	-	-	-

DRAWN BY: C. CODY

CHECKED BY: J. GRAY

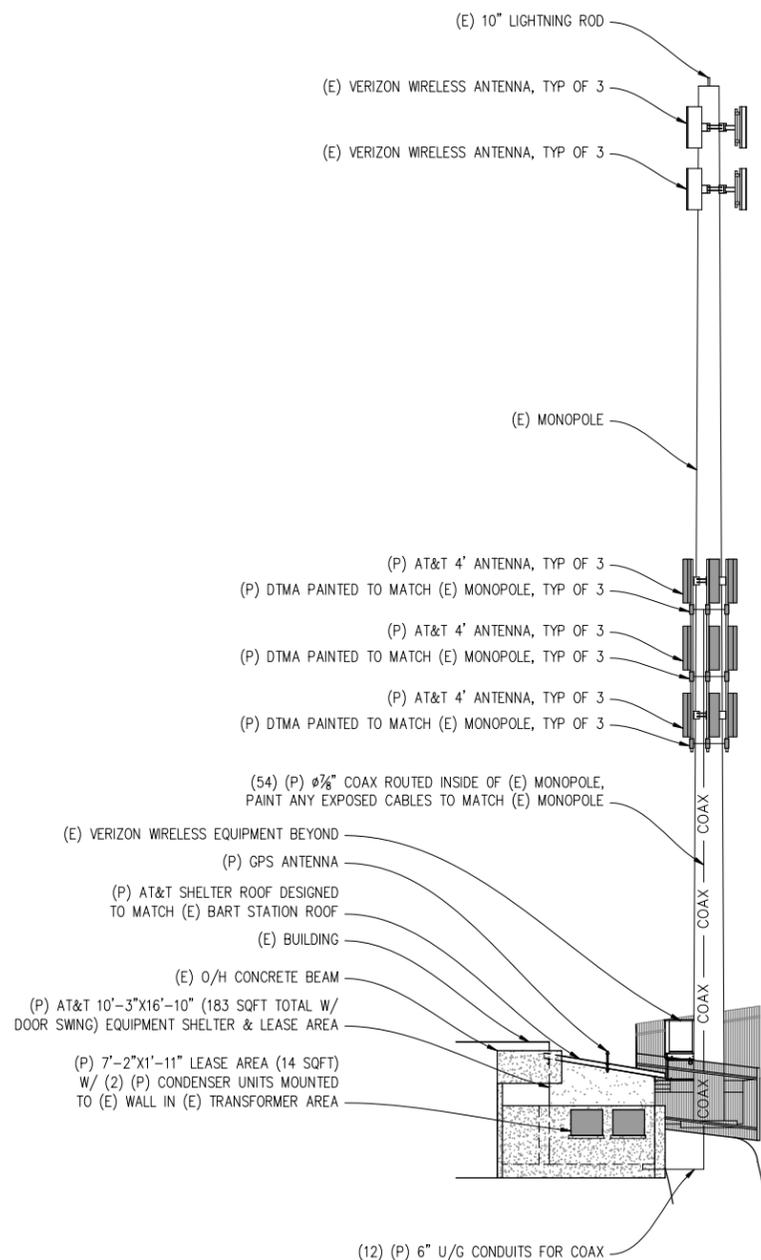
APPROVED BY: -

DATE: 06/02/14

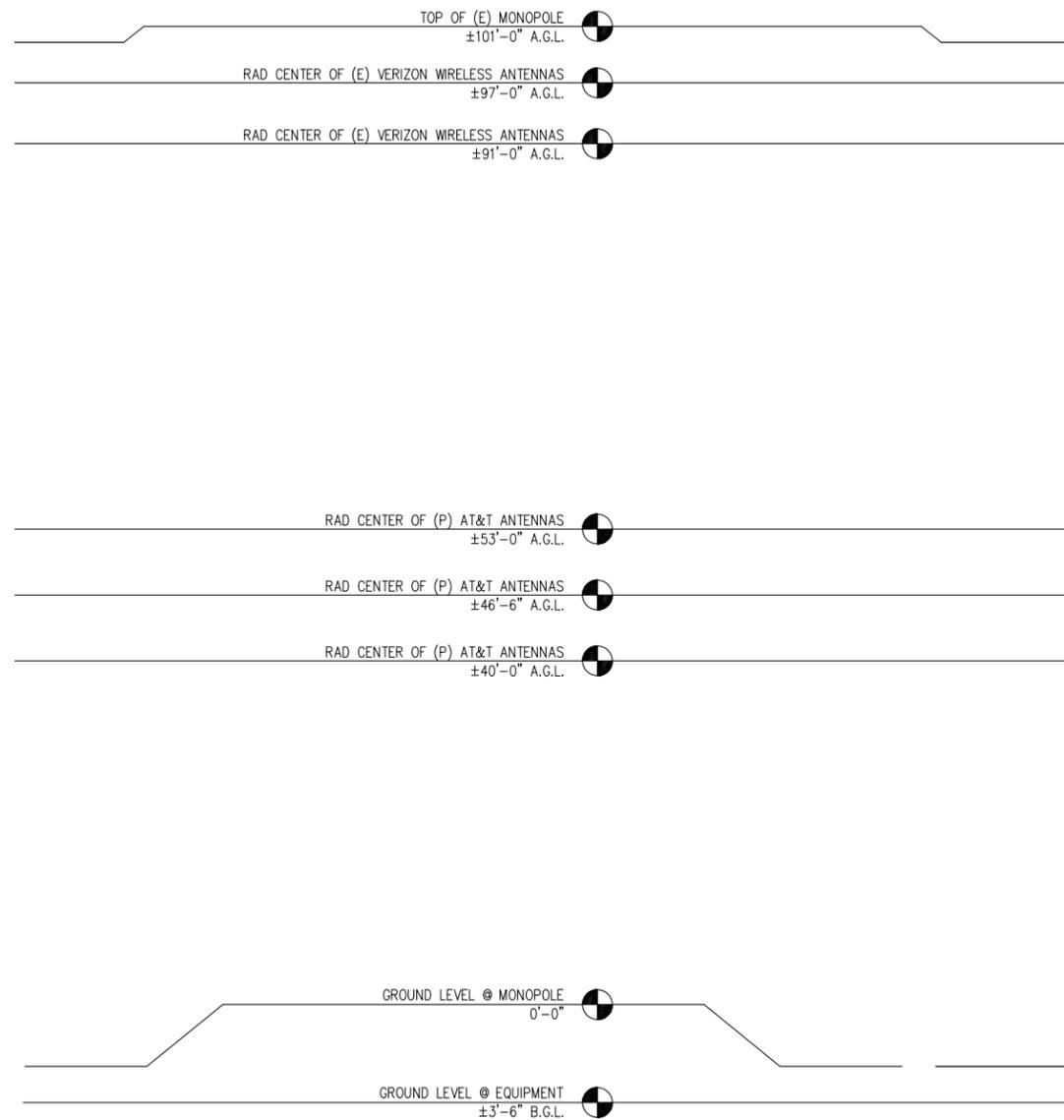
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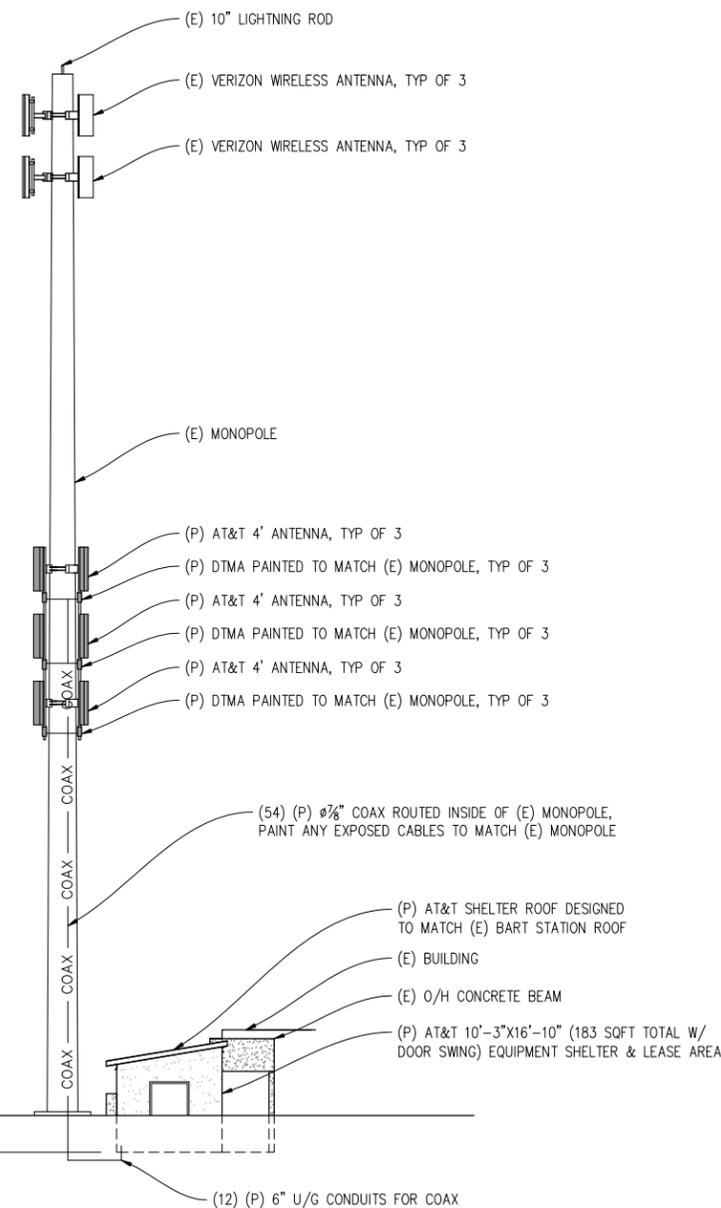


NORTH ELEVATION
 $\frac{1}{8}"=1'-0"$



NOTICE

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SOUTH ELEVATION
 $\frac{1}{8}"=1'-0"$

NOTE: (E) FENCE & (E) VERIZON WIRELESS EQUIPMENT HAS BEEN REMOVED FOR CLARITY



430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-5

**BALBOA PARK BART
STATION TELECOMMUNICATIONS
RELOCATION PROJECT**

CCU6173
401 GENEVA AVE
SAN FRANCISCO, CA 94112

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	04/18/14	CLIENT REV	J.S.
	06/02/14	CLIENT REV	J.S.
	-	-	-

DRAWN BY: C. CODY

CHECKED BY: J. GRAY

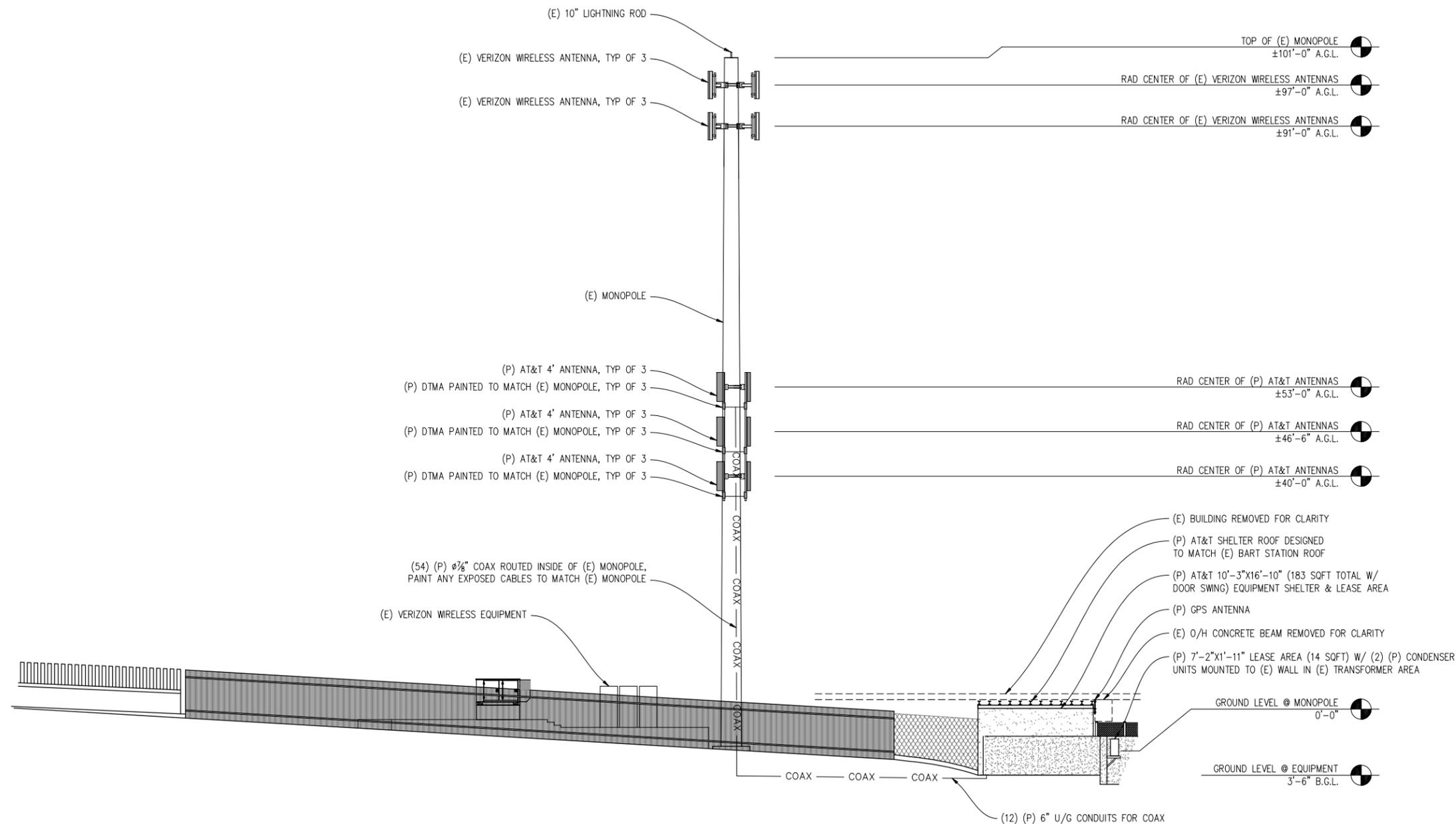
APPROVED BY: -

DATE: 06/02/14

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Contact: Larry Houghby Phone: 916-275-4180
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EAST ELEVATION

1/8"=1'-0"
NOTE: (E) BUILDING HAS BEEN REMOVED FOR CLARITY

at&t

430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:
ELEVATION

SHEET NUMBER:
A-6

**BALBOA PARK BART
STATION TELECOMMUNICATIONS
RELOCATION PROJECT**

CCU6173
401 GENEVA AVE
SAN FRANCISCO, CA 94112

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	04/18/14	CLIENT REV	J.S.
	06/02/14	CLIENT REV	J.S.
	-	-	-

DRAWN BY: C. CODY

CHECKED BY: J. GRAY

APPROVED BY: -

DATE: 06/02/14

Streamline Engineering
and Design, Inc.

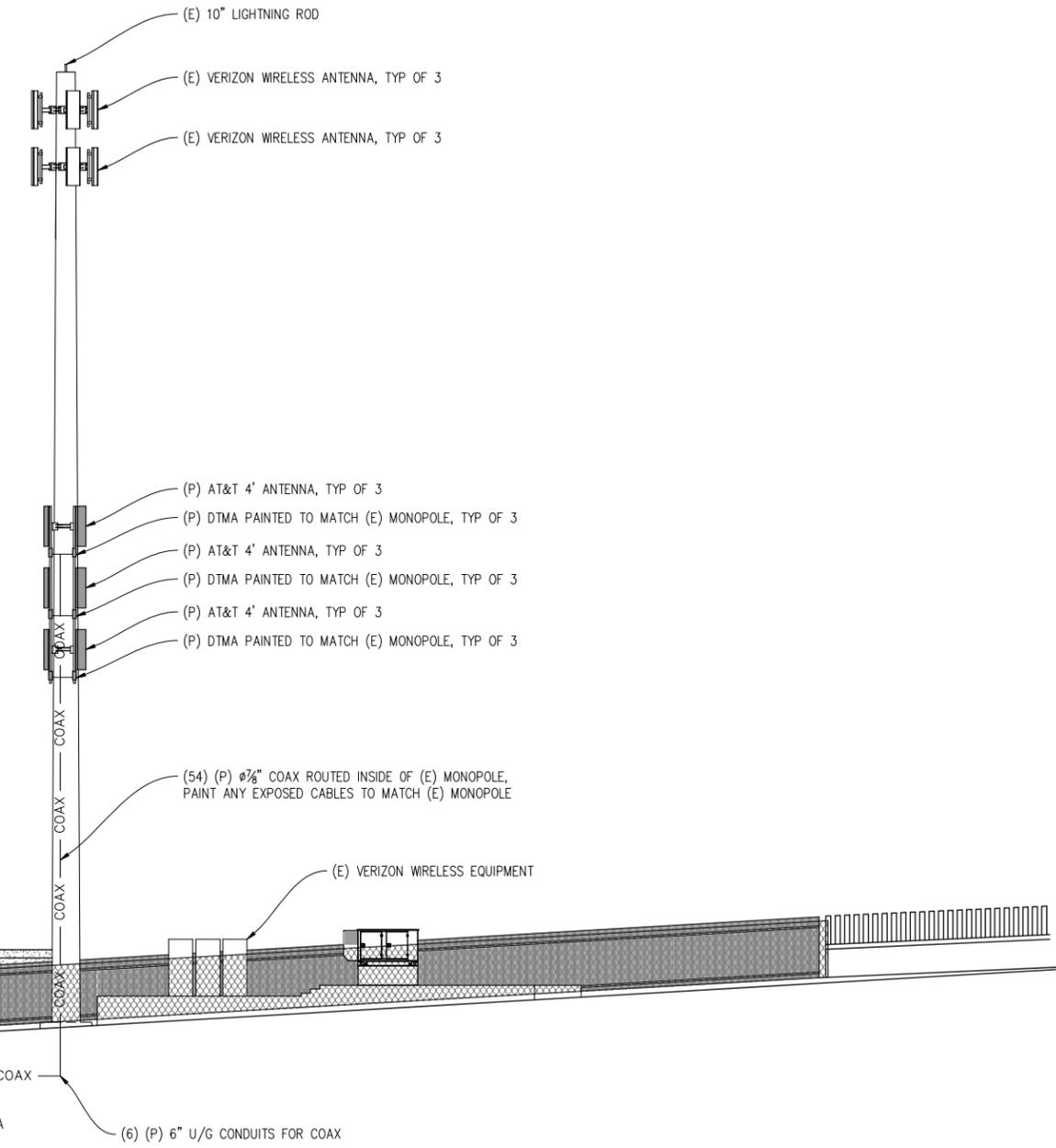
8445 Sierra College Blvd, Suite E Granite Bay, CA 95661
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- TOP OF (E) MONOPOLE
±101'-0" A.G.L.
- RAD. CENTER OF (E) VERIZON WIRELESS ANTENNAS
±97'-0" A.G.L.
- RAD. CENTER OF (E) VERIZON WIRELESS ANTENNAS
±91'-0" A.G.L.

- RAD. CENTER OF (P) AT&T ANTENNAS
±53'-0" A.G.L.
- RAD. CENTER OF (P) AT&T ANTENNAS
±46'-6" A.G.L.
- RAD. CENTER OF (P) AT&T ANTENNAS
±40'-0" A.G.L.

- GROUND LEVEL @ MONOPOLE
0'-0"
- GROUND LEVEL @ EQUIPMENT
3'-6" B.G.L.
- (P) 7'-2"x1'-11" LEASE AREA (14 SQFT)
W/ (2) (P) CONDENSER UNITS MOUNTED
TO (E) WALL IN (E) TRANSFORMER AREA
- (P) AT&T SHELTER ROOF DESIGNED
TO MATCH (E) BART STATION ROOF
- (E) BUILDING BEYOND
- (P) GPS ANTENNA
- (P) AT&T 10'-3"x16'-10" (183 SQFT TOTAL W/
DOOR SWING) EQUIPMENT SHELTER & LEASE AREA
- (P) CAM LOK LUG BOX
- (P) SHAPED CAPPED SHEET OVER GAP
BETWEEN (E) CONC WALL & (N) SHELTER WALL



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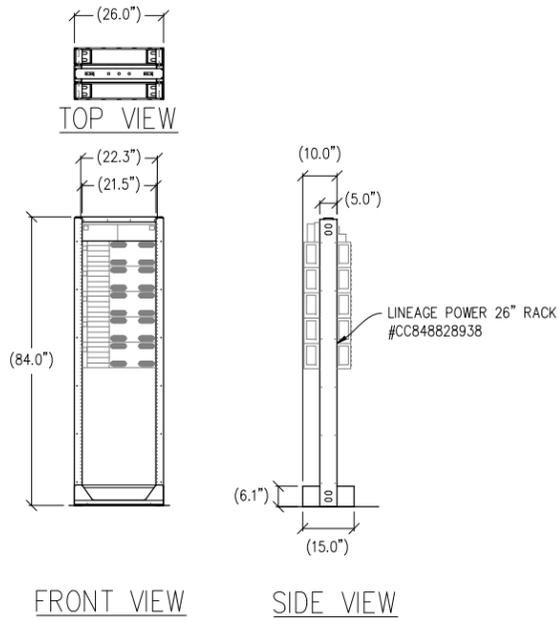
WEST ELEVATION
1/8"=1'-0"

at&t

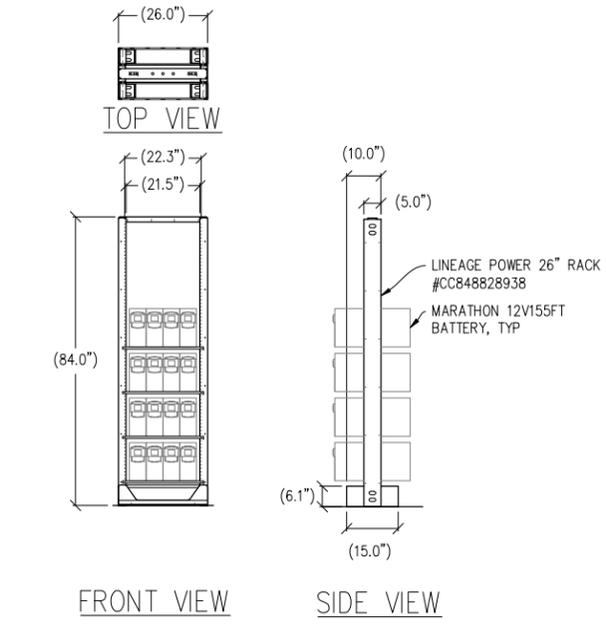
430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:
ELEVATION

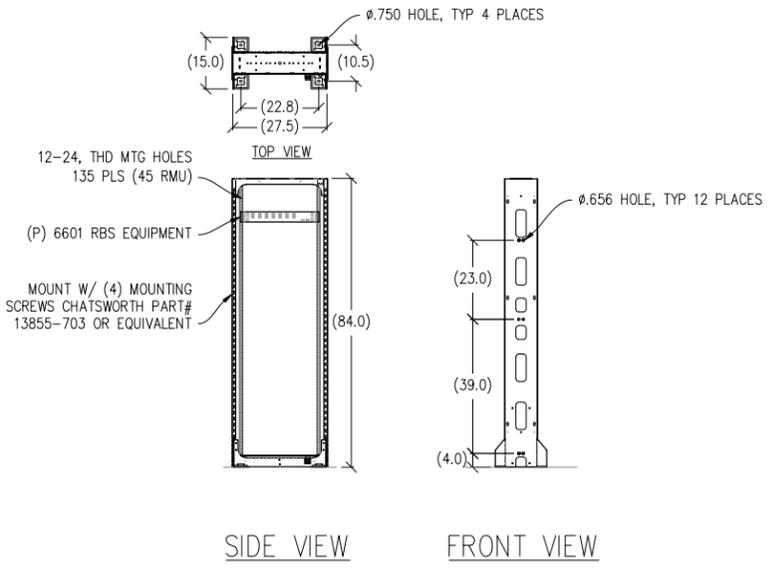
SHEET NUMBER:
A-7



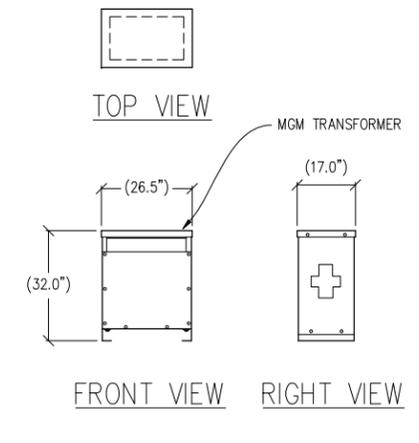
1 DC POWER 26" PLANT DETAIL
 1/2"=1'-0" MAX WEIGHT: 1150 LBS



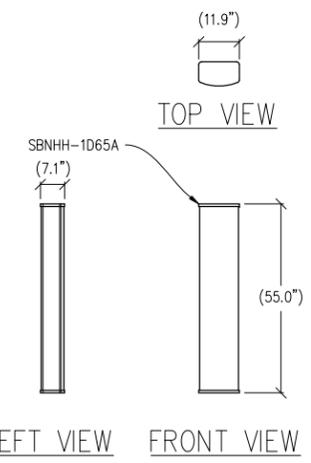
2 26" BATTERY RACK DETAIL
 1/2"=1'-0" MAX WEIGHT: 2550 LBS



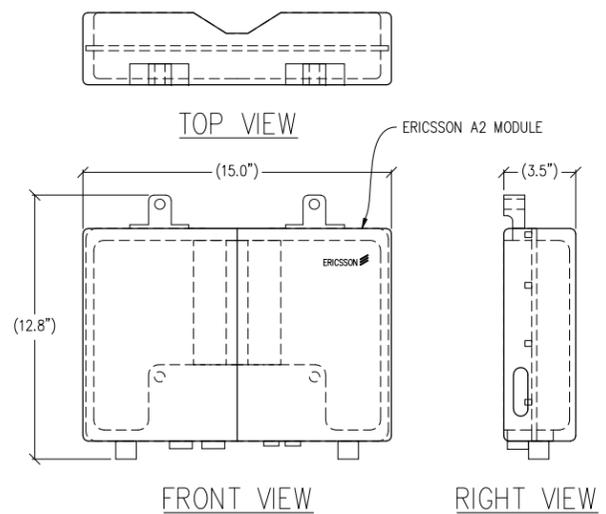
3 23" SEISMIC RACK W/ 6601 DETAIL
 1/2"=1'-0"



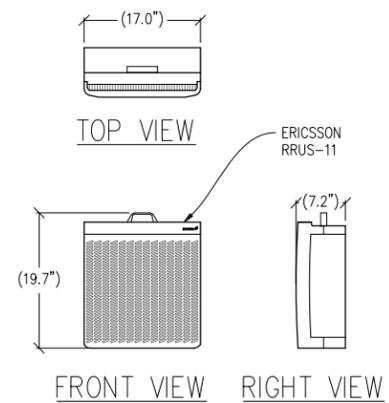
4 TRANSFORMER DETAIL
 1/2"=1'-0"



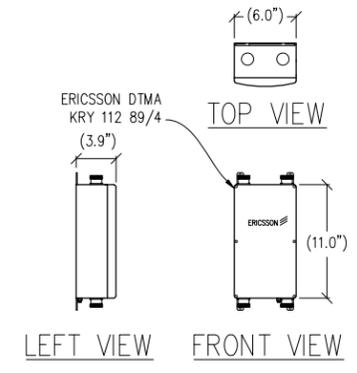
5 ANTENNA DETAIL
 1/2"=1'-0" MAX WEIGHT: 41 LBS



6 A2 MODULE DETAIL
 3"=1'-0" MAX WEIGHT: 15 LBS



7 RRUS-11 DETAIL
 1"=1'-0" MAX WEIGHT: 50 LBS



8 DTMA DETAIL
 1 1/2"=1'-0" MAX WEIGHT = 15.5 LBS

BALBOA PARK BART
 STATION TELECOMMUNICATIONS
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	-	-	-

DRAWN BY: C. CODY
 CHECKED BY: J. GRAY
 APPROVED BY: -
 DATE: 06/02/14

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 SAN FRANCISCO, CA 94108

SHEET TITLE:
 DETAILS

SHEET NUMBER:
 A-8