



SAN FRANCISCO PLANNING DEPARTMENT

Executive Summary Conditional Use Authorization

HEARING DATE: MAY 22, 2014

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San Francisco,
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Date: May 15, 2014
Case No.: **2014.0305C**
Project Address: **2001 Sacramento Street**
Current Zoning: RM-3 (Residential - Mixed, Medium Density)
40-X Height and Bulk District
Block/Lot: **0640/019**
Project Sponsor: AT&T Mobility represented by
Talin Aghazarian, Ericsson, Inc.
530 Bush Street, 5th Floor
San Francisco, CA 94108
Staff Contact: Omar Masry – (415) 575-9116
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PROJECT DESCRIPTION

The proposal is to allow the development of an AT&T Mobility macro wireless telecommunication services (“WTS”) facility, consisting of six (6) rooftop-mounted panel antennas and electronic equipment necessary to run the facility on the roof of an existing four-story residential building. Based on the zoning and land use, the WTS facility is proposed on a Location Preference 7 Site (Disfavored Location, Residential Zoning) according to the WTS Facilities Siting Guidelines.

The antennas would be placed in two separate locations (sectors) on the rooftop. The first sector (Sector A) would consist of three (3) antennas mounted to the northern face of a combined stairwell and elevator penthouse, situated near the center of the roof. Each antenna would be unscreened, but wrapped with a shroud along the sides of each panel antenna to reduce the visibility of cabling and the bracket systems necessary to stabilize each antenna. The top of each panel antenna would rise no higher than the top of the wall of the penthouse structure.

The remaining sector (Sector B) would consist of three (3) unscreened panel antennas mounted at a freestanding location near the southeast corner of the roof, and adjacent to an interior light well, with antennas facing south toward Gough Street. The antennas would be setback approximately 4.75 feet from the roof edge abutting the residential property to the south, and would rise approximately 10 feet above the 51-foot tall roof of the subject building.

The proposed “Sector A” antennas would measure approximately 48” high, by 29” wide, by 9” thick, and the proposed “Sector B” antennas would measure approximately 50” high, by 19” wide, by 8” thick.

The majority of the electronic equipment necessary to run the facility would be located on the roof and enclosed within a rooftop penthouse room. A portion of the unenclosed equipment would be located on the roof, composed of cable trays connecting the conduit used to power the antennas, and clusters of

radio relay units (RRUs) on the lower roof. The low profile of the cable trays and RRUs and the height of adjacent parapets will ensure they are not visible from adjacent public rights-of-way.

SITE DESCRIPTION AND PRESENT USE

The Project Site is located on Assessor's Block 0640, Lot 019 at the southwest corner of Sacramento and Gough Streets. The subject building is a 51-foot tall, four-story residential building developed in 1920. The subject building is considered a Known Historic Resource (historic building name: Lafayette Investment Company Apartments), and is considered potentially eligible for listing within the National Register of Historic Properties. The site features an existing micro AT&T Mobility WTS facility consisting of two omni "whip" antennas attached to the façade of the building and equipment on the roof. In the event the macro facility is approved and constructed, the carrier would remove the micro facility.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The Project Site lies within the Pacific Heights neighborhood and is surrounded by Lafayette Park to the north, and a mix of mid-rise (three and to six stories) and high-rise residential buildings. Residential buildings to the west of the Project Site are zoned RM-2 (Residential-Mixed, Moderate Density), and the remainder of the surrounding parcels are zoned RM-3 or Public (Lafayette Park).

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	May 2, 2014	April 28, 2014	24 days
Posted Notice	20 days	May 2, 2014	May 1, 2014	21 days
Mailed Notice	10 days	May 12, 2014	May 2, 2014	20 days

PUBLIC COMMENT

As of May 15, 2014, the Department has received three e-mails from residents in opposition to the Project based on health concerns related to radio-frequency (RF) emissions and the effects the proposed antennas may have on views from adjacent residential dwellings.

In addition, the Project Sponsor held a community meeting at the First Presbyterian Church, at 1751 Sacramento Street, to discuss the Project at 6:00 p.m. on April 9, 2014. Two (2) community members attended the meeting. Concerns included the Planning review process, aesthetic effects, and health concerns related RF emissions.

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 Inspections. 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 policies.

REQUIRED COMMISSION ACTION

Pursuant to Sections 209.6(b) and 303 of the Planning Code, Conditional Use Authorization is required for a macro WTS facility (classified as a communications utility) in an RM-3 (Residential - Mixed, Medium Density) 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 FCC.
- Although the Project Site is considered a Location Preference 7, (Disfavored Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, the Project Site has been determined to be the most viable site to serve the geographic service area through an alternative site analysis.
- 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 will 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 unscreened antennas would be so located, and painted so as to mimic mechanical appurtenances associated with similar building rooftops for the sector (A) facing Lafayette Park. The freestanding Sector B antennas would be visible at limited number of locations, generally more than 150 feet away from the Project Site and would not significantly detract from overall views of the subject building, surrounding neighborhood, or areas of interest such as Lafayette Park.

- The facility would continue to avoid intrusion into public vistas, avoid disruption of the architectural integrity of building and insure harmony with neighborhood character.
- 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 _____ on _____ Planner's Initials



SAN FRANCISCO PLANNING DEPARTMENT

Planning Commission Motion No. XXXXX

HEARING DATE: MAY 22, 2014

Date: May 15, 2014
Case No.: 2014.0305C
Project Address: 2001 Sacramento Street
Current Zoning: RM-3 (Residential - Mixed, Medium Density)
40-X Height and Bulk District
Block/Lot: 0640/019
Project Sponsor: AT&T Mobility represented by
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ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTIONS 303(c) AND 209.6(b) TO INSTALL A MACRO WIRELESS TELECOMMUNICATIONS SERVICES FACILITY CONSISTING OF SIX NON SCREENED PANEL ANTENNAS AND ASSOCIATED EQUIPMENT LOCATED ON THE ROOFTOP OF AN EXISTING RESIDENTIAL BUILDING AS PART OF AT&T MOBILITY'S WIRELESS TELECOMMUNICATIONS NETWORK WITHIN AN RM-3 (RESIDENTIAL – MIXED, MEDIUM DENSITY) ZONING DISTRICT, AND A 40-X HEIGHT AND BULK DISTRICT.

PREAMBLE

On February 25, 2014, AT&T Mobility (hereinafter "Project Sponsor"), submitted an application (hereinafter "Application"), for Conditional Use Authorization on the property at 2001 Sacramento Street, Lot 019 in Assessor's Block 0640, (hereinafter "Project Site") to install a wireless telecommunications service facility (hereinafter "WTS") consisting of six (6) unscreened rooftop mounted panel antennas and electronic equipment necessary to run the facility on the roof of an existing residential building, as part of AT&T Mobility's telecommunications network, within an RM-3 (Residential - Mixed, Medium Density) Zoning District, and a 40-X 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 May 22, 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. 2014.0305C, 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 located on Assessor's Block 0640, Lot 019 at the southwest corner of Sacramento and Gough Streets. The subject building is a 51-foot tall, four-story residential building developed in 1920. The subject building is considered a Known Historic Resource (historical building name: Lafayette Investment Company Apartments), and is considered potentially eligible for listing within the National Register of Historic Properties.
3. **Surrounding Properties and Neighborhood.** The Project Site lies within the Pacific Heights neighborhood and is surrounded by Lafayette Park to the north, and a mix of mid-rise (three and to six stories) and high-rise residential buildings. Residential buildings to the west of the Project Site are zoned RM-2 (Residential-Mixed, Moderate Density), and the remainder of the surrounding parcels are zoned RM-3 or Public (Lafayette Park).
4. **Project Description.** The proposal is to allow the development of an AT&T Mobility macro wireless telecommunication services ("WTS") facility. The macro WTS facility would consist of six (6) rooftop-mounted panel antennas and electronic equipment necessary to run the facility on the roof of an existing residential building.

The antennas would be placed in two separate locations (sectors) on the rooftop. The first sector (Sector A) would consist of three (3) antennas mounted to the northern face of a combined stairwell and elevator penthouse, situated near the center of the roof. Each antenna would be unscreened, but wrapped with a shroud along the sides of each panel

antenna to reduce the visibility of cabling and the bracket systems necessary to stabilize each antenna. The top of each panel antenna would rise no higher than the roof of the penthouse structure

The remaining sector (Sector B) would consist of three (3) unscreened panel antennas mounted at a freestanding location near the southeast corner of the roof, and adjacent to an interior light well, with antennas facing south toward Gough Street. The antennas would be setback approximately 4.75 feet from the roof edge abutting the residential property to the south, and would rise approximately 10 feet above the 51-foot tall roof.

The proposed "Sector A" antennas would measure approximately 48" high, by 29" wide, by 9" thick, and the proposed "Sector B" antennas would measure approximately 50" high, by 19" wide, by 8" thick.

The majority of the electronic equipment necessary to run the facility would be located on the roof and enclosed within a rooftop penthouse room. A portion of the unenclosed equipment would be located on the roof, composed of cable trays connecting the conduit used to power the antennas, and clusters of radio relay units (RRUs) on the lower roof. The low profile of the cable trays and RRUs and the height of the parapets will ensure they are not visible from adjacent public rights-of-way.

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 zoning and land use, the WTS facility is proposed on a Location Preference 7 Site (Disfavored Site, Residential Zoning) according to the WTS Facilities Siting Guidelines.

The Project Sponsor submitted an Alternative Site Analysis, which was evaluated by staff, and described the lack of alternate sites within the neighborhood, such as Publicly-Used Structures (e.g. Lafayette Park), Co-location sites with existing macro WTS facilities, or commercial, industrial, or mixed-use structures. Additionally, staff and the applicant evaluated larger buildings (e.g. lot size and building height) in the vicinity of the Project Site, which were also Disfavored Locations, but were unable to identify viable candidates with respect to compatibility and compliance with Planning Code requirements.

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 remove two (2) omni-directional “whip” antennas and install six (6) panel antennas. The antennas will be mounted at a height of approximately 59 feet above the ground. The estimated ambient RF field from the proposed AT&T Mobility transmitters at ground level is calculated to be 0.028 mW/sq. cm., which is 3.1% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 70 feet and does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish, and Chinese. Workers should not have access to the area (31 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, and 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 First Presbyterian Church, at 1751 Sacramento Street, to discuss the Project at 6:00 p.m. on April 9, 2014. Two (2) community members attended the meeting. Concerns raised by one member included the Planning review process, aesthetic effects, and health concerns related RF emissions.
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 May 15, 2014, the Department has received three e-mails from residents in opposition to the Project based on health concerns related to radio-frequency (RF) emissions and the effects the proposed antennas may have on views from adjacent residential dwellings.
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 209.6(b), a Conditional Use Authorization is required for the installation of communication utilities, which includes 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 2001 Sacramento Street 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 buildings, and insure harmony with the existing neighborhood character and public safety. The Project has been reviewed and determined to not cause the removal or alteration of any significant architectural features of the subject building.

- 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 2001 Sacramento Street 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 antennas and roof-mounted equipment areas are screened so as to approximate mechanical appurtenances (heating ventilation and air conditioning equipment) normally found on similar building rooftops. Related rooftop electronic equipment would be placed at a height and setback from roof edge so as to be minimally visible from adjacent public rights-of-way. Therefore, the proposed antennas and equipment would 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 Sacramento and Gough Streets, which are primary commercial corridors within the Pacific Heights Neighborhood.

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 and rooftop equipment would be located in such a manner as to approximate mechanical appurtenances (rooftop mechanical penthouses and equipment screens) associated with HVAC and other equipment systems found on building rooftops. The height, and

setback from roof edge of the antennas and equipment would ensure the facility 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 ELEMENT

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:

ENSURE THE PROTECTION OF LIFE AND PROPERTY FROM THE EFFECTS OF FIRE OR NATURAL DISASTER THROUGH ADEQUATE EMERGENCY OPERATIONS PREPARATION.

Policy 1:

Maintain a local agency for the provision of emergency services to meet the needs of San Francisco.

Policy 2:

Develop and maintain viable, up-to-date in-house emergency operations plans, with necessary equipment, for operational capability of all emergency service agencies and departments.

Policy 3:

Maintain and expand agreements for emergency assistance from other jurisdictions to ensure adequate aid in time of need.

Policy 4:

Establish and maintain an adequate Emergency Operations Center.

Policy 5:

Maintain and expand the city's fire prevention and fire-fighting capability.

Policy 6:

Establish a system of emergency access routes for both emergency operations and evacuation.

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 will 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 roof-mounted antennas and equipment. The roof-mounted equipment would be designed so as 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 was developed in 1920 (Lafayette Investment Company Apartments) and is considered a Known Historic Resource. Portions of the proposed WTS facility, including the six (6) screened panel antennas, would be visible from adjacent public rights of way, but would not obscure or adversely detract from the subject building. The unscreened antennas and roof-mounted equipment are not attached to the primary façades, cornices, or any character defining elements exhibiting craftsmanship. The use of wider dual beam antennas along with side and rear shrouding elements will reduce the visibility of the antennas. The placement of larger electronic equipment cabinets within the existing building will further reduce visibility of the proposed facility.

In the event the macro WTS facility is constructed, the carrier would remove the existing micro WTS facility, consisting of façade-mounted antennas; which would bring the subject building further into conformance with the U.S. Secretary of the Interior's Standards for the Treatment of Historic Properties.

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

The Project will 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 209.6(b) and 303 to install six (6) unscreened panel antennas and associated equipment cabinets on the roof of the Project Site and as part of a wireless transmission network operated by AT&T Mobility on a Location Preference 7 (Disfavored Location, Residential Zoning) according to the Wireless Telecommunications Services (WTS) Facilities Siting Guidelines, within an RM-3 (Residential-Mixed, Medium Density) Zoning District, and a 40-X Height and Bulk District, and subject to the conditions of approval attached hereto as **Exhibit A**; in general conformance with the plans, dated April 22 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: May 22, 2014

CASE NO. 2014.0305C
2001 Sacramento Street

I hereby certify that the foregoing Motion was adopted by the Planning Commission on **May 22, 2014**.

Jonas P. Ionin
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: May 22, 2014

EXHIBIT A

AUTHORIZATION

This authorization is for a Conditional Use Authorization under Planning Code Sections 209.6(b) and 303 to install six (6) unscreened panel antennas and associated equipment cabinets on the roof of the Project Site and as part of a wireless transmission network operated by AT&T Mobility on a Location Preference 7 (Disfavored Location, Residential Zoning) according to the Wireless Telecommunications Services (WTS) Facilities Siting Guidelines, within an RM-3 (Residential-Mixed, Medium Density) Zoning District, and a 40-X Height and Bulk District, and subject to the conditions of approval attached hereto as **Exhibit A**; in general conformance with the plans, dated April 22 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 **May 22, 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.

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.

3. **Existing WTS Facility Removal.** The existing AT&T Mobility micro WTS facility shall be removed within eighteen (18) months of building permit issuance for the AT&T Mobility macro WTS facility.

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

DESIGN – COMPLIANCE AT PLAN STAGE

4. **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.

5. **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:
 - a. Antennas and back up equipment shall be painted, fenced, landscaped or otherwise treated architecturally so as to minimize visual effects;
 - b. Rooftop installations shall be setback such that back up facilities are not viewed from the street;
 - c. Antennas attached to building facades shall be so placed, screened or otherwise treated to minimize any negative visual impact; and
 - d. 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

6. **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.

7. **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

8. **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.

9. **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

10. **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

11. **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.

12. **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

13. **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

14. **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

15. **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

16. **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

17. **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.

18. **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.

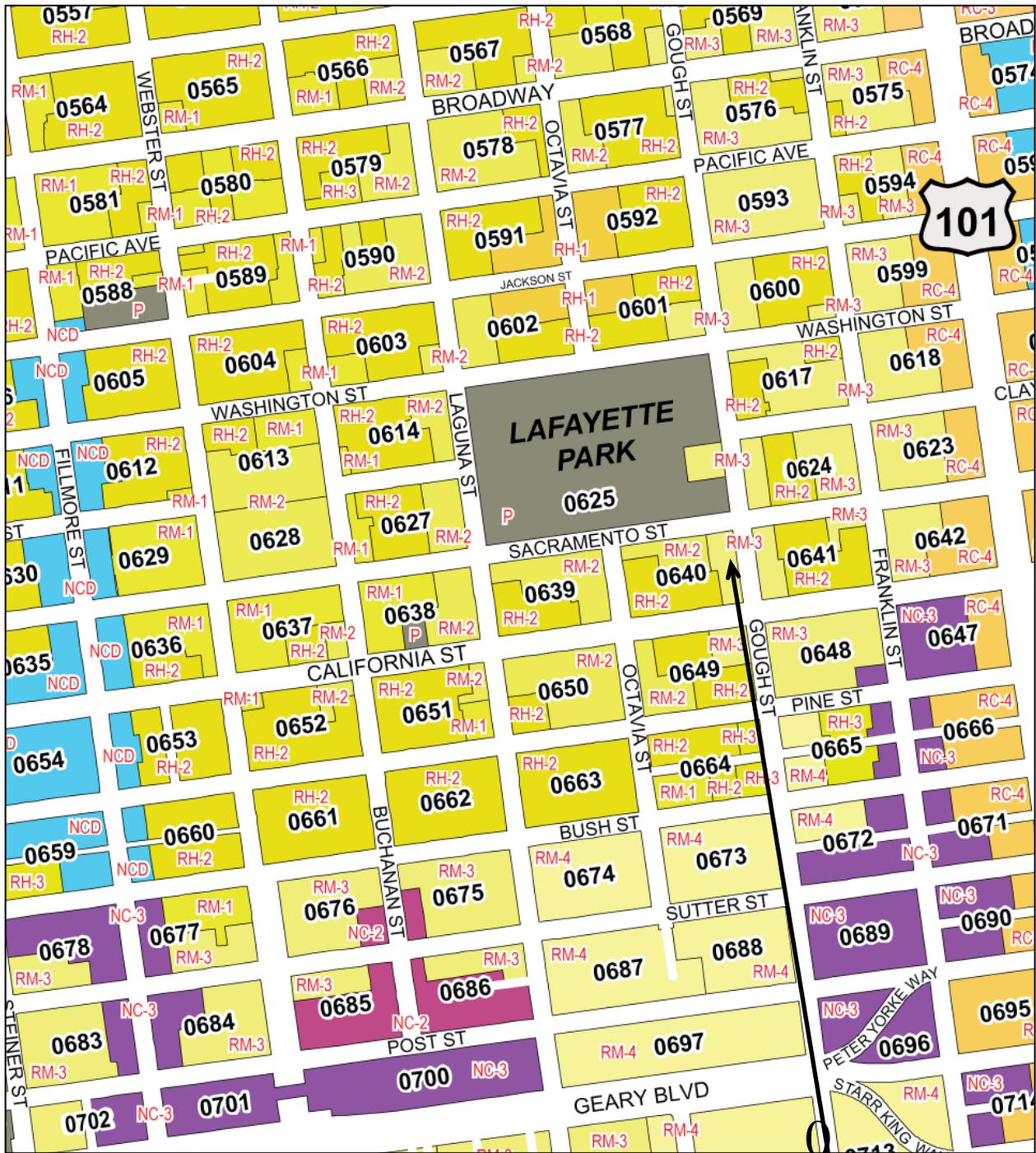
19. **Transfer of Operation – WTS.** Any carrier/provider authorized by the Zoning Administrator or by the Planning Commission to operate a specific WTS installation may assign the operation of the facility to another carrier licensed by the FCC for that radio frequency provided that such transfer is 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

20. **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 2014.0305C
AT&T Mobility Macro WTS Facility
2001 Sacramento Street

Aerial Photo



Lafayette Park

Gough Street

Sacramento Street

SUBJECT PROPERTY



Case Number 2014.0305C
AT&T Mobility Macro WTS Facility
2001 Sacramento Street

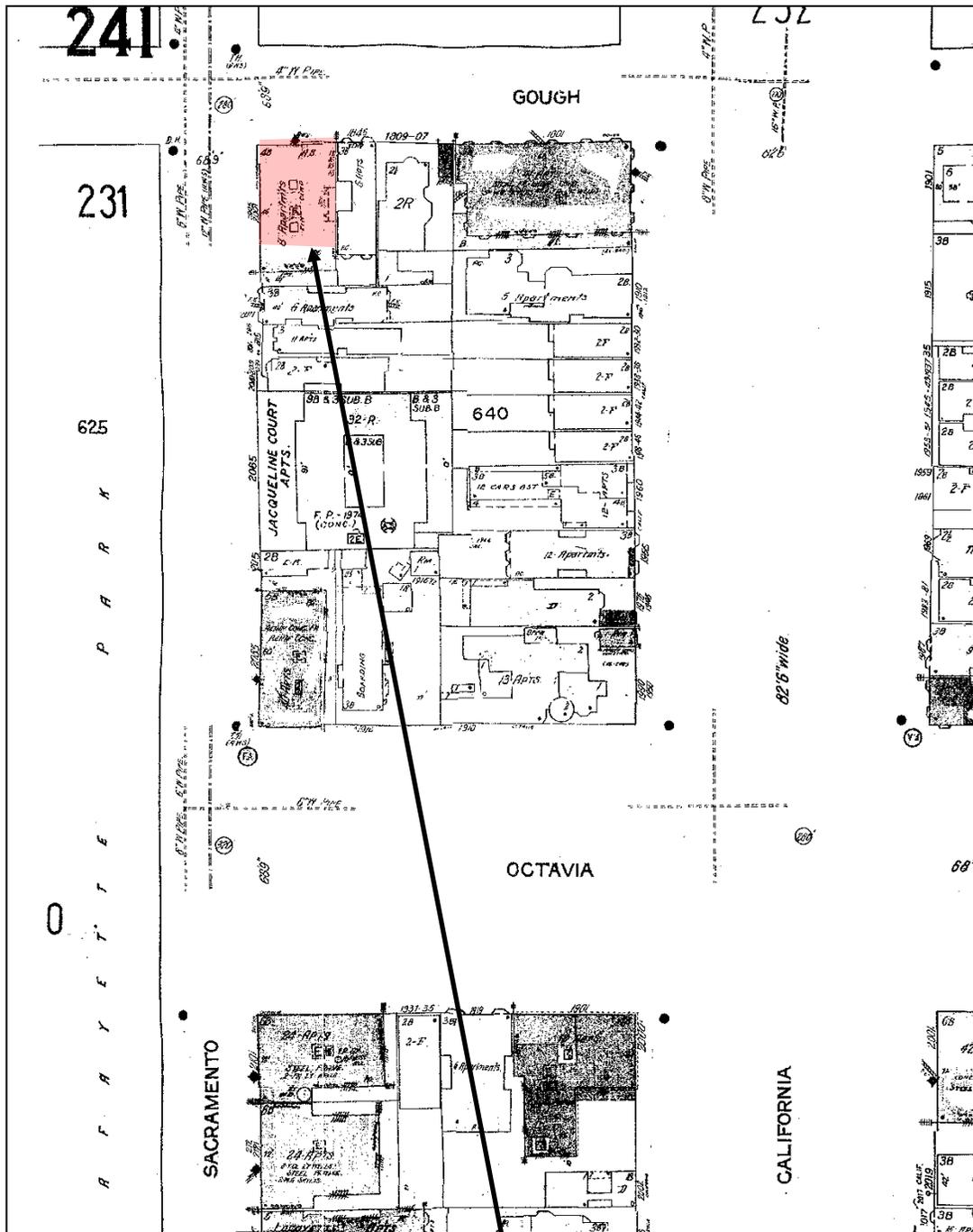
Parcel Map



SUBJECT PROPERTY

Case Number 2014.0305C
AT&T Mobility Macro WTS Facility
2001 Sacramento Street

Sanborn Map*



SUBJECT PROPERTY



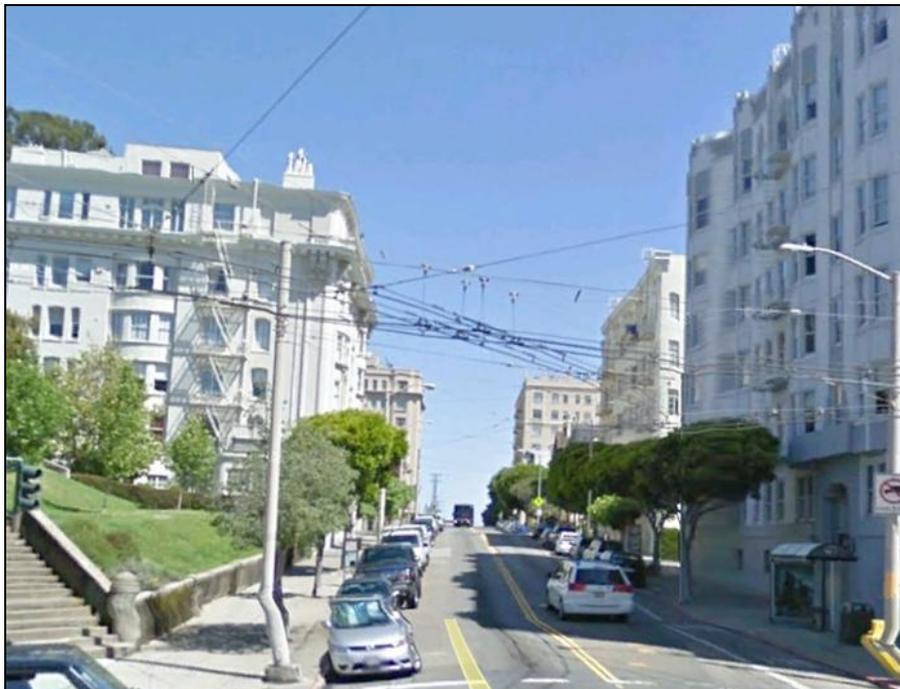
Case Number 2014.0305C
AT&T Mobility Macro WTS Facility
2001 Sacramento Street

G. 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:



Subject site – 2001 Sacramento Street



View looking North on Gough from the subject site



View from Sacramento Street looking South on Gough Street



View from Gough Street looking East on Sacramento Street



View from Gough Street looking West on Sacramento Street

Existing



Proposed

proposed AT&T antenna sector A



Photo simulation as seen looking southeast from Lafayette Park

Existing



Proposed



Photo simulation as seen looking south from Gough Street

Existing



Proposed



Photo simulation as seen looking northwest from the SE corner of California & Gough

**AT&T Mobility • Base Station No. CN5513
2001 Sacramento Street • 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. CN5513) located at 2001 Sacramento Street 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 January 13, 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 April 22, 2014.

Checklist

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

AT&T had installed two omnidirectional antennas between the third and fourth floor of the five-story residential building located at 2001 Sacramento Street. There were observed no other wireless base stations installed at the site. 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. CN5513
2001 Sacramento Street • 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 replace its existing omnidirectional antennas with six CCI directional panel antennas, mounted with up to 2° downtilt above the roof of the building. Three Model BSA-M65-17R010-42-K antennas would be mounted on the side of the penthouse at an effective height of about 60 feet above ground, 9 feet above the roof, and would be oriented toward 0°T. Three Model HPA-45R-BUU-H4 antennas would be mounted on short poles above the southeast corner of the roof at an effective height of about 58½ feet above ground, 7½ feet above the roof, and would be oriented toward 120°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.

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 10,900 watts, representing simultaneous operation at 2,400 watts for WCS, 5,650 watts for PCS, 1,000 watts for cellular, and 1,850 watts for 700 MHz service.

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 buildings of similar height located to the south and west, at least 40 feet away.

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 is calculated to be 0.028 mW/cm², which is 3.1% of the applicable public exposure limit. Ambient RF levels at ground level near the site are therefore estimated to be below 4.1% of the limit.

**AT&T Mobility • Base Station No. CN5513
2001 Sacramento Street • San Francisco, California**

The maximum calculated level at the nearby building to the south* is 8.9% of the public exposure limit; the maximum calculated level at the taller building across Gough Street† is 46% of the public limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 70 feet out from the antenna faces and to much lesser distances above, below, and to the sides; this includes areas of the roof of the building but does not reach any publicly accessible areas.

9. Describe proposed signage at site.

It is recommended that barricades be erected, as shown in Figure 1, to preclude public access in front of the antennas. To prevent occupational exposures in excess of the FCC guidelines, it is recommended that appropriate RF safety training be provided to all authorized personnel who have access to the rooftop, including employees and contractors of AT&T as well as roofers, HVAC workers, and building maintenance staff. No access within 31 feet directly in front of the antennas themselves, such as might occur during maintenance work on the roof, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Marking “Worker Notification Areas” with yellow paint stripes on the roof of the building in front of the antennas, as shown in Figure 1, and posting explanatory signs‡ at the roof access door and on the antennas, such that the signs would be readily visible from any angle of approach to persons who might need to work within that distance, would be sufficient to meet FCC-adopted guidelines.

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.

* Located about 40 feet away, based on the drawings.

† Located about 65 feet away, based on the drawings; the pertinent antennas are not oriented directly toward this building.

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



**AT&T Mobility • Base Station No. CN5513
2001 Sacramento Street • San Francisco, California**

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 2001 Sacramento Street in San Francisco, California, can comply with the prevailing standards for limiting human exposure to radio frequency energy and, therefore, need 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. Erecting barricades is recommended to establish compliance with public exposure limitations; training of authorized personnel, marking roof areas, and posting explanatory signs are recommended to establish compliance with occupational exposure limitations.



William F. Hammett
William F. Hammett, P.E.

707/996-5200

April 24, 2014

**AT&T Mobility • Base Station No. CN5513
2001 Sacramento Street • San Francisco, California**

**Suggested Minimum Locations for Barricades (green)
and for Striping to Identify “Worker Notification Areas” (yellow)**



**Calculations performed according to OET Bulletin No. 65, August 1997.
Colors shown represent percent of applicable FCC public limit.**

[blank] <100% >100% >500%

Notes:
 Base drawing from Streamline Engineering, dated April 22, 2014.
 Barricades should be erected as shown to preclude access by the public to areas in front of the antennas.
 “Worker Notification Areas” should be marked with yellow paint stripes, and explanatory signs should be posted at the roof access door and on the antennas, readily visible to authorized workers needing access. See text.

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 2 antennas operated by AT&T Wireless installed on the roof top of the building at 2001 Sacramento Street. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There were observed no other antennas within 100 feet of this site. AT&T Wireless proposes to remove the 2 existing antennas and install 6 new antennas. The antennas will be mounted at a height of about 58 to 60 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.028 mW/sq cm., which is 3.1% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 70 feet and includes portions of the rooftop areas. Barricades must be installed to prevent access to these areas. The maximum calculated level for the building located to the south is 8.9% of the public exposure limit and the maximum calculated level at the taller building located to the east across Gough Street is 46% of the applicable FCC standard. Warning signs must be posted at the antennas, barricades and roof access points in English, Spanish and Chinese. Workers should not have access to within 31feet of the front of the antennas while they are in operation. Worker notification areas should be marked with yellow striping on the rooftop.

— **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: 4/30/2014

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

AT&T Mobility Conditional Use Permit Application
2001 Sacramento Street, San Francisco

STATEMENT OF MICHAEL CANIGLIA

I manage AT&T's design with respect to the proposed wireless communications facility at 2001 Sacramento Street, San Francisco (the "Property"). Based on my personal knowledge of the Property and with AT&T's wireless network, as well as my review of AT&T's records with respect to the Property and its wireless telecommunications facilities in the surrounding area, I have concluded that the work associated with this permit request is needed to close a significant service coverage gap in the area roughly bordered by Laguna and Franklin, Washington and California Streets.

The service coverage gap is caused by obsolete or inadequate (or, in the case of 4G LTE, non-existent) infrastructure along with increased use of wireless broadband services in the area. As explained further in Exhibit I, AT&T's existing facilities cannot adequately serve its customers in the desired area of coverage, let alone address rapidly increasing data usage. Although there is reasonable 3G outdoor signal strength in the area, 3G coverage indoors may be weak and the quality of 3G service overall is unacceptable, particularly during high usage periods of the day. Moreover, 4G LTE service coverage has not yet been deployed in this area.

AT&T uses Signal-to-Noise information to identify the areas in its network where capacity restraints limit service. This information is developed from many sources including terrain and clutter databases, which simulate the environment, and propagation models that simulate signal propagation in the presence of terrain and clutter variation. Signal-to-Noise information measures the difference between the signal strength and the noise floor within a radio frequency channel, which, in turn, provides a measurement of service quality in an area. Although the signal level may be adequate by itself, the noise level fluctuates with usage due to the nature of the 3G technology and at certain levels of usage the noise level rises to a point where the signal-to-noise ratio is not adequate to maintain a satisfactory level of service. In other words, while the signal itself fluctuates as a function of distance of the user from the base station, the noise level fluctuates with the level of usage on the network on all mobiles and base stations in the vicinity. Signal-to-Noise information identifies where the radio frequency channel is usable; as noise increases during high usage periods, the range of the radio frequency channel declines causing the service coverage area for the cell to contract.

Exhibit 2 to this Statement is a map of existing service coverage (without the proposed installation at the Property) in the area at issue. It includes service coverage provided by existing AT&T sites. The green shaded areas depict areas within a Signal-to-Noise range that provide acceptable service coverage even during high demand periods. Thus, based upon current usage, customers are able to initiate and complete voice or data calls either outdoors or most indoor areas at any time of the day, independent of the number of users on the network. The yellow shaded cross-hatched areas depict areas within a Signal-to-Noise range that results in a service coverage gap during high demand periods. In this area, severe service interruptions occur during periods of high usage, but reliable and uninterrupted service may be available during low demand periods. The pink shading depicts areas within a Signal-to-Noise range in which a customer might have difficulty receiving a consistently acceptable level of service at any time, day or night, not just during high demand periods. The quality of service experienced by any individual customer can differ greatly depending on whether that customer is indoors, outdoors, stationary, or in transit. Under AT&T's wireless customer service standards, any area in the pink or yellow cross-hatched category is considered inadequate service coverage and constitutes a service coverage gap.

Exhibit 3 to this Statement depicts the current actual voice and data traffic in the immediate area. As you can see from the exhibit, the traffic fluctuates at different times of the day. In actuality, the service coverage footprint is constantly changing; wireless engineers call it "cell breathing" and during high usage periods, as depicted in the chart, the service coverage gap increases substantially. The time periods in which the existing surrounding cell sites experience highest usage conditions (as depicted in the yellow shaded cross-hatched area in Exhibit 2) are significant. Based upon my review of the maps, the Signal-to-Noise information, and the actual voice and data traffic in this area, it is my opinion that the service coverage gap shown in Exhibit 2 is significant.

Exhibit 4 to this Statement is a map that predicts service coverage based on Signal-to-Noise information in the vicinity of the Property if antennas are placed as proposed in the application. As shown by this map, placement of the equipment at the Property closes the significant 3G service coverage gap.

In addition to these 3G wireless service gap issues, AT&T is in the process of deploying its 4G LTE service in San Francisco with the goal of providing the most advanced personal wireless experience available to residents of the City. AT&T holds a license with the FCC and has a responsibility to utilize this spectrum to provide personal wireless services in the City. 4G LTE is capable of delivering speeds

up to 10 times faster than industry-average 3G speeds. LTE technology also offers lower latency, or the processing time it takes to move data through a network, such as how long it takes to start downloading a webpage or file once you've sent the request. Lower latency helps to improve the quality of personal wireless services. What's more, LTE uses spectrum more efficiently than other technologies, creating more space to carry data traffic and services and to deliver a better overall network experience. This is particularly important in San Francisco because of the likely high penetration of the new 4G LTE iPad and other LTE devices.

Exhibit 5 is a map that depicts 4G LTE service in the area surrounding the Property, and it shows a significant 4G LTE service gap in the area. After the upgrades, Exhibit 6 shows that 4G LTE service is available both indoors and outdoors in the targeted service area. This is important in part because as existing customers migrate to 4G LTE, the LTE technology will provide the added benefit of reducing 3G data traffic, which currently contributes to the significant service coverage gap on the UMTS (3G) network during peak usage periods as shown in Exhibit 2.

In order to close the 4G LTE service coverage gap shown in Exhibit 5 and provide the benefits associated with 4G LTE personal wireless service, it is necessary to include 4G LTE-specific antennas to the proposed site. Exhibit 6 shows that the work subject to this application closes the gap.

I have a Master's degree in Business Administration, a Bachelor's degree in Electrical Engineering and an Associate's degree in Electronic Communication Technology. I have worked as an engineering expert in the Wireless Communications Industry for over 20 years.

Michael Caniglia

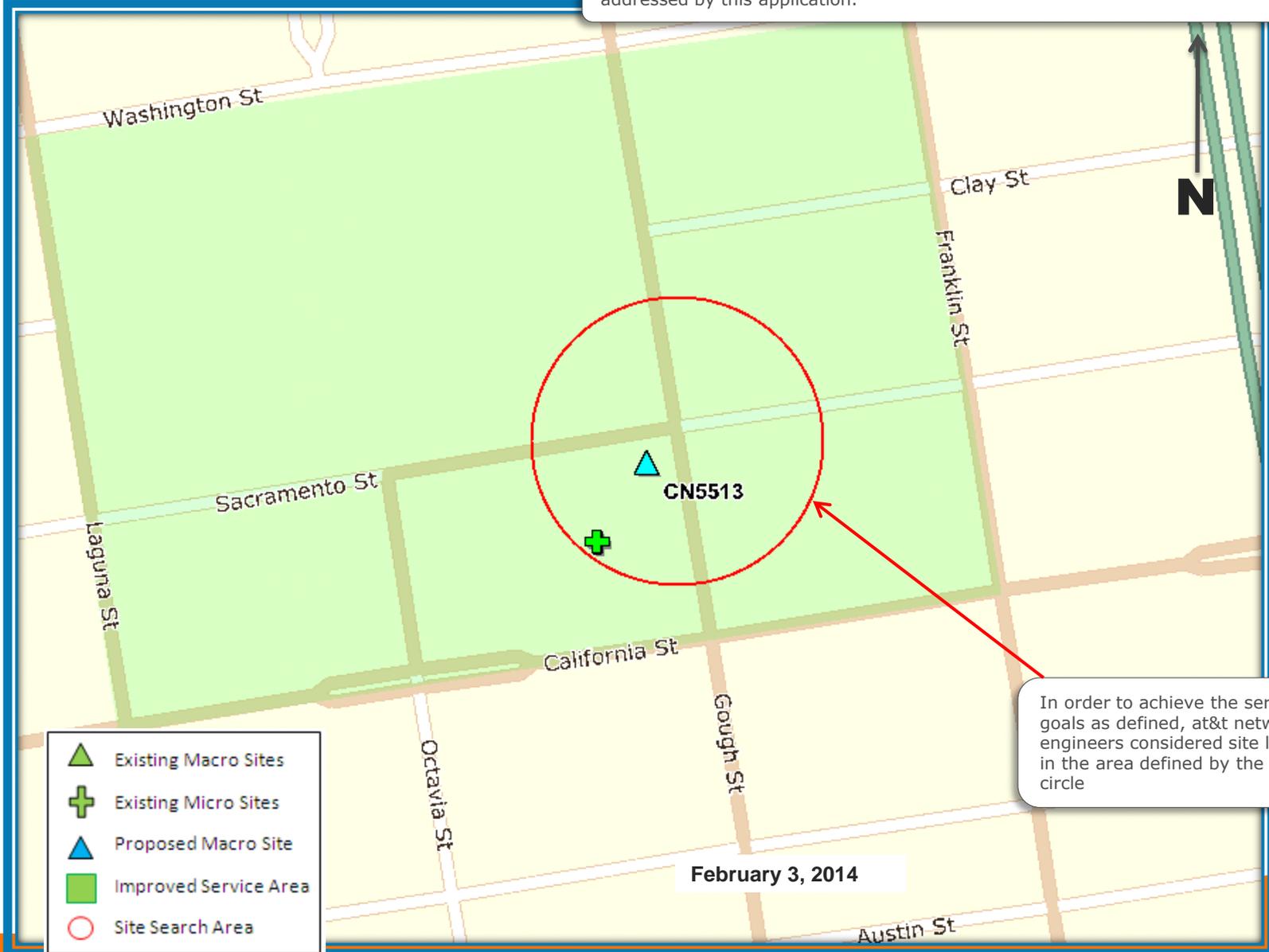
A handwritten signature in black ink, appearing to read "M. Caniglia", written in a cursive style.

6 February 2014

Service Improvement Objective (CN5513)

2001 Sacramento Street

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

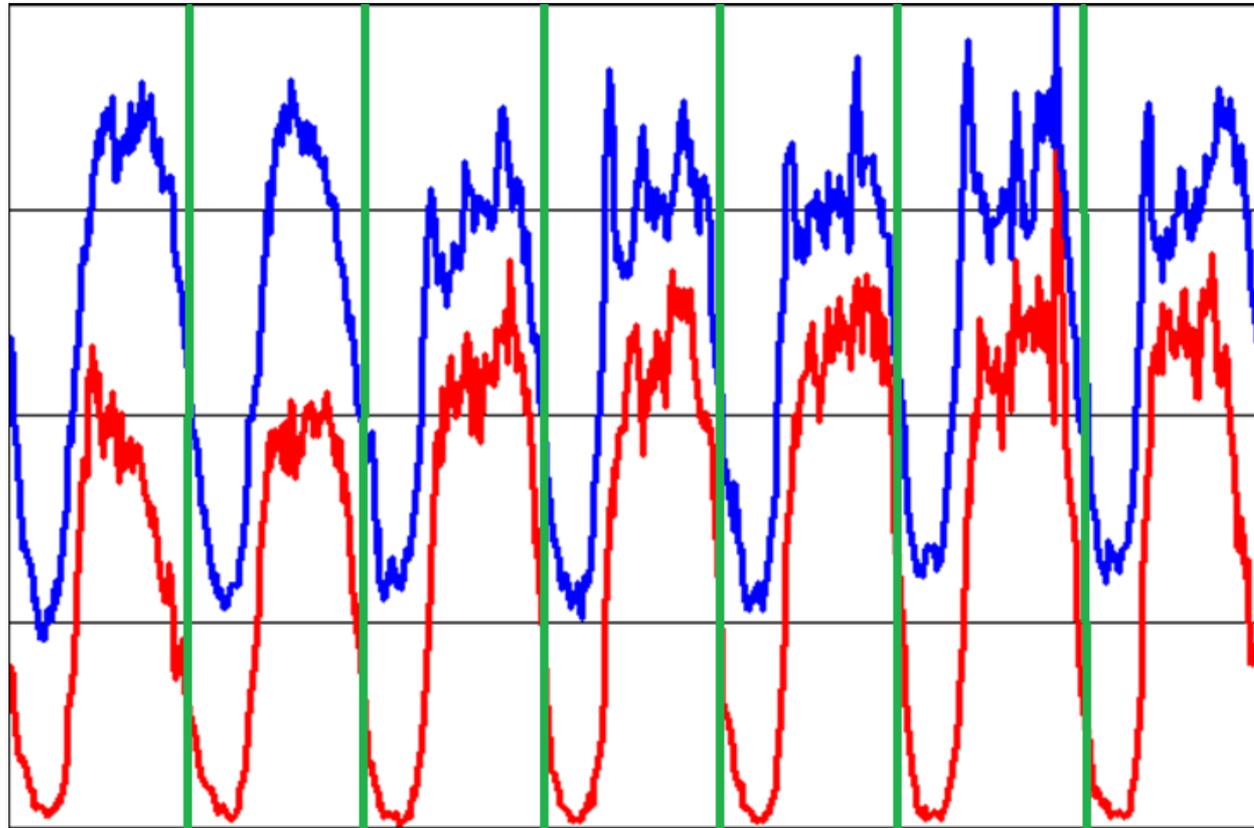
Exhibit 2 - Proposed Site at 2001 Sacramento (CN5513)

Service Area BEFORE site is constructed



Exhibit 3 - Current 7-Day Traffic Profile for the Location of CN5513

— Data Traffic
— Voice Traffic



Saturday

Friday

Exhibit 3 - Current 24-Hour Traffic Profile for the Location of CN5513

— Data Traffic
— Voice Traffic

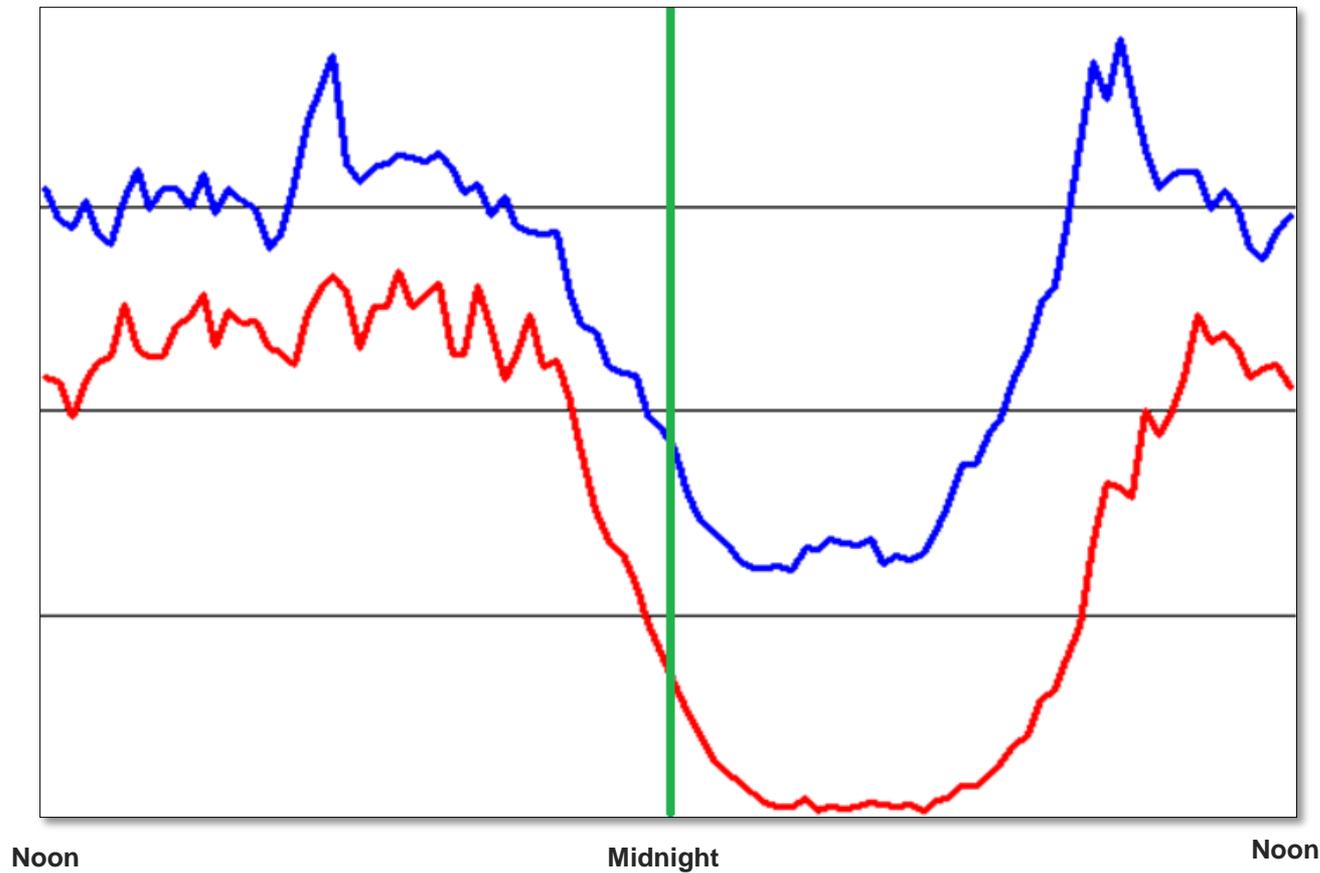


Exhibit 4 - Proposed Site at 2001 Sacramento (CN5513)

Service Area AFTER site is constructed

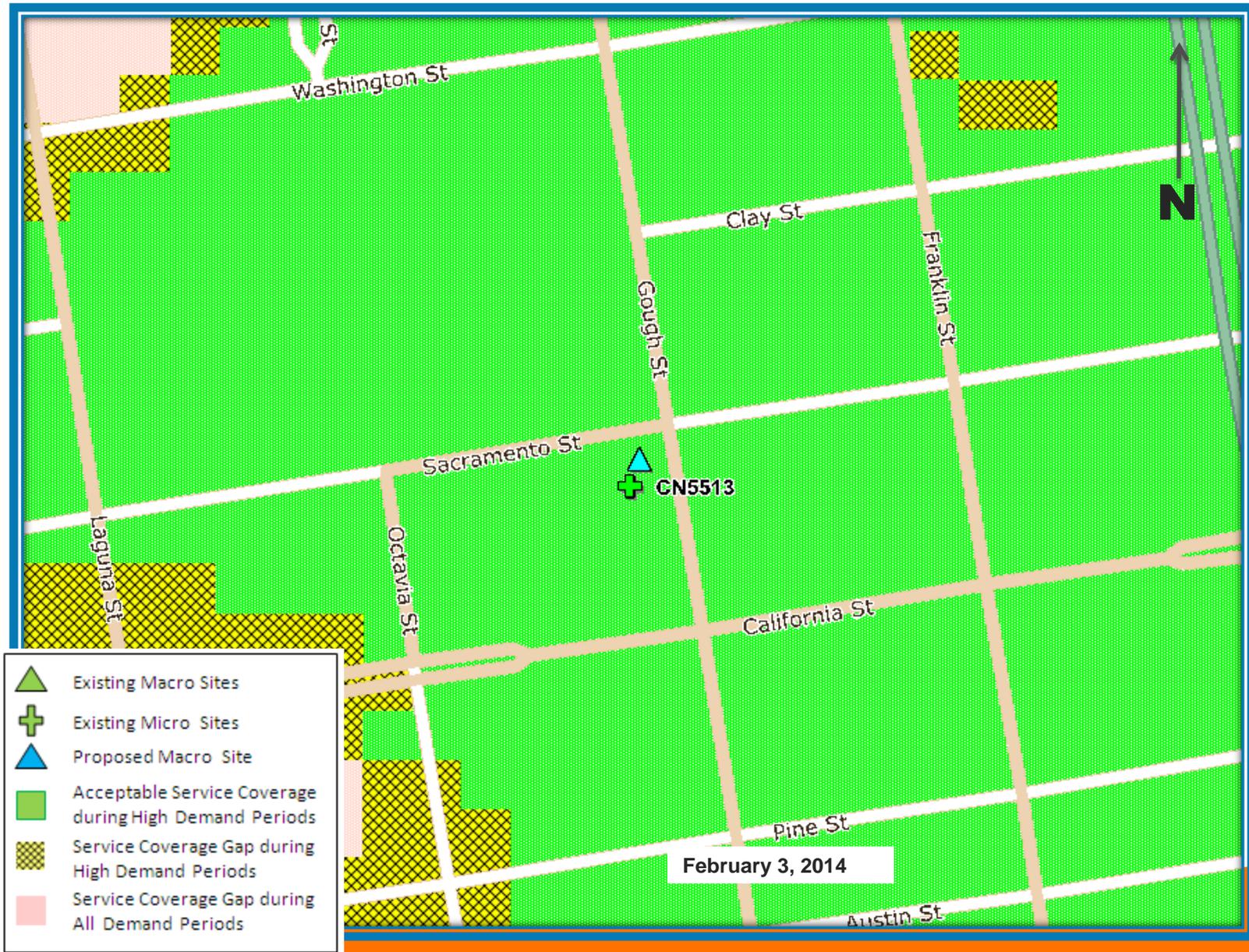
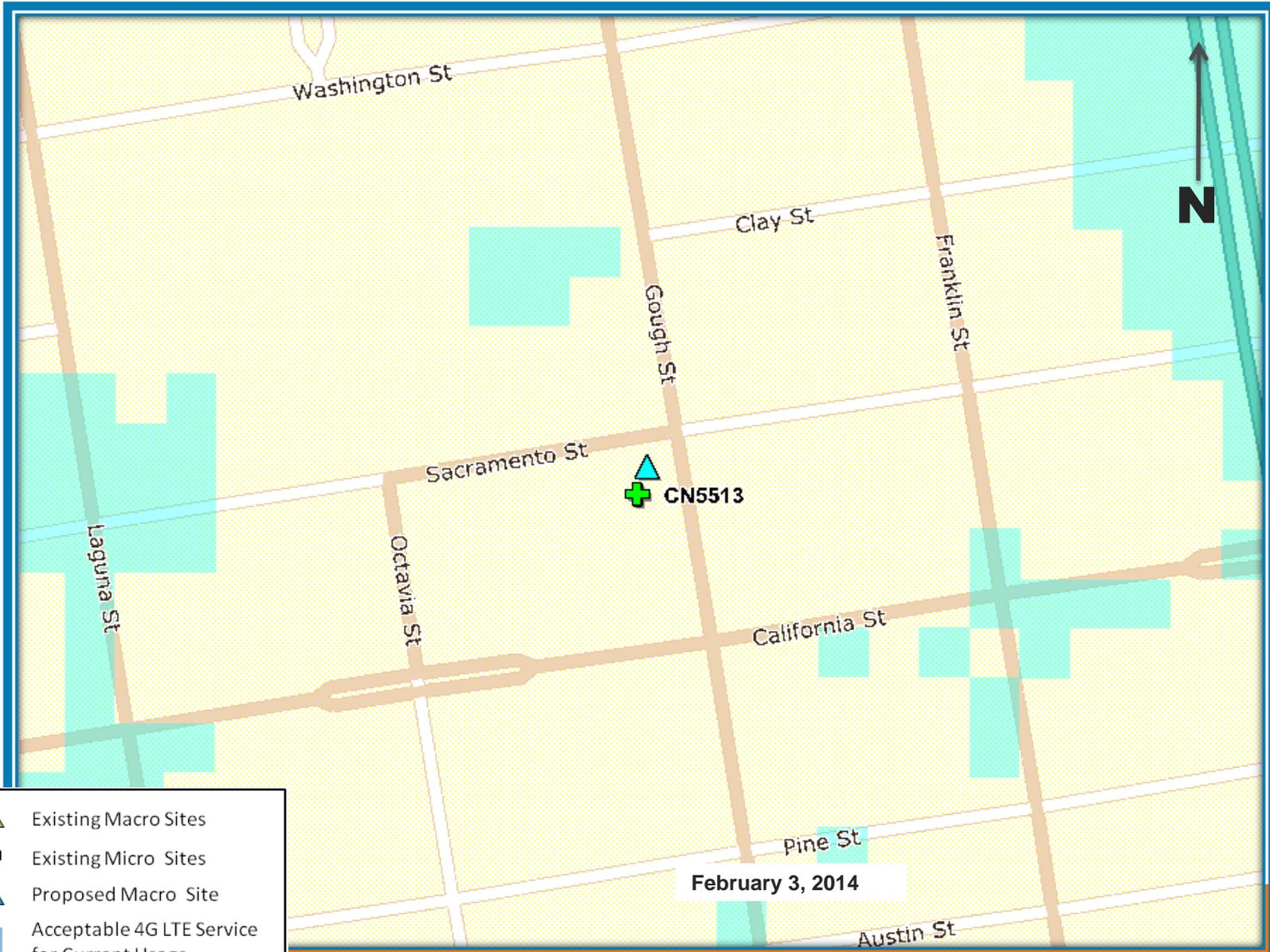


Exhibit 5 - Proposed Site at 2001 Sacramento (CN5513)

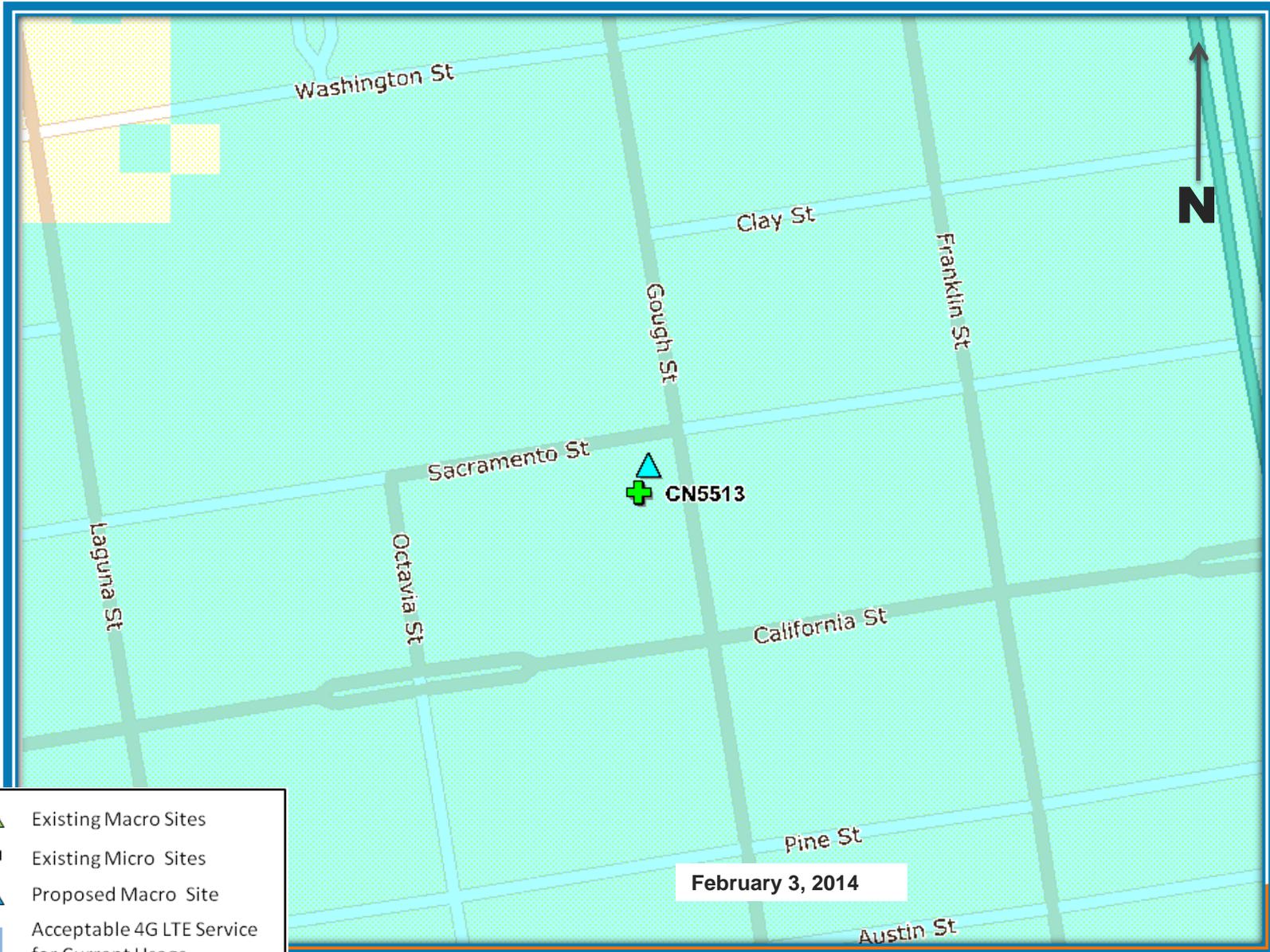
4G LTE Service Area BEFORE site is constructed



- ▲ Existing Macro Sites
- + Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable 4G LTE Service for Current Usage

Exhibit 6 - Proposed Site at 2001 Sacramento (CN5513)

4G LTE Service Area AFTER site is constructed



- ▲ Existing Macro Sites
- + Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable 4G LTE Service for Current Usage

Existing Surrounding Sites at 2001 Sacramento

CN5513



A. Locating a site and evaluation of alternative sites

AT&T real estate and construction experts work through Section 8.1 of the WTS Facilities Siting Guidelines, which state the “Preferred Locations Within A Particular Service Area.” The team examines preferred locations (most desirable to least desirable under Section 8.1) until a location is found to close the significant service coverage gap.

Once a location is identified, the team confirms that the site is (1) serviceable (it has sufficient electrical power and telephone service as well as adequate space for equipment cabinets, antennas, construction, and maintenance) and (2) meets necessary structural and architectural requirements (the existing structure is not only sturdy enough to handle the equipment without excessive modification but also that the antennas may be mounted in such a way that they can meet the dual objective of not being obstructed while also being visually obscured or aesthetically unobtrusive).

The following represents the results of this investigation, and the team’s analysis of each alternative location:

1. Publicly-used structures:

Alternate Location Site Location A
Corner of Gough and Sacramento Street Lafayette Park



The site at the corner of Gough & Sacramento Streets is Lafayette Park located within the P (Public) zoning district, a Preference 1 location according to the WTS Guidelines. Although it is a Preference 1, there are no existing public buildings in the park area to support wireless telecommunication infrastructure. For these reasons, it was determined that this location was not a feasible alternative.

Alternative Site Location B
2150 California Street



The site at 2150 California Street is the San Francisco Fire Department Station #38 located within the P (Public) zoning district a Preference 1 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The two-story building at 2150 California Street is located two blocks outside of the defined service area to the West and does not have line-of-sight along Gough or Sacramento Streets For these reasons, it was determined that this location was not a feasible alternative.

Alternative Site Location C
1801 Octavia



The building at 1801 Octavia Street is a church (St. Francis Xavier Church) located within the RM-2 (Residential House, Two Family) zoning district a Preference 1 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The two story building at 1801 Octavia Street is located two blocks outside of the defined service area to the Southwest and does not have line-of-sight along Gough or Sacramento Streets. For this reason, it was determined that this location was not a feasible alternative.

Alternative Site Location D
1700 Franklin Street



The building at 1700 Franklin Street is a church (First Church of Christ) located within the RM-3 (Residential – Mixed, Medium Density) zoning district a Preference 1 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The building at 1700 Franklin Street is located one block outside of the defined service area to the Southeast and does not have

line-of-sight along Gough or Sacramento Streets. In addition this building has a sloped roof and would not be able to accommodate the proposed design without substantially changing the architecture of the building which also happens to be a known historic resource and appears to be eligible for NR as an individual property For this reason, it was determined that this location was not a feasible alternative.

Alternative Site Location E
1901 Franklin Street



The building at 1901 Franklin Street is a church (Golden Gate Spiritualist Church) located within the RM-3 (Residential – Mixed, Medium Density) zoning district a Preference 1 Location according to the WTS Guidelines. In order to meet AT&T Mobility’s service objective, line-of-sight to the defined service area is required. The two story building at 1901 Franklin Street is located one block outside of the defined service area to the Northeast and does not have line-of-sight along Gough or Sacramento Streets. In addition this building has a decorative roofline and would not be able to accommodate the proposed design without substantially changing the architecture of the building which also happens to be a known historic resource. For this reason, it was determined that this location was not a feasible alternative.

Alternative Site Location F
2155 Webster St



The building at 2155 Webster Street (California Pacific Medical Center) is a church (Golden Gate Spiritualist Church) located within the RM-1 (Residential – Mixed, Low Density) zoning district a Preference 1 Location according to the WTS Guidelines. In order to meet AT&T Mobility’s service objective, line-of-sight to the defined service area is required. This six story building at 2155 Webster is almost four blocks outside the search area and was considered as a candidate for another coverage objective, however after lengthy negotiations with the School of Dentistry it was finally determined that they ultimately did not want to least to AT&T. For this reason, it was determined that this location was not a feasible alternative.

2. Co-Location Site: There are no Co-Location sites in the target area.
3. Industrial or Commercial Structures: There are no wholly industrial or commercial structures in the target area.
4. Industrial or Commercial Structures: There are no wholly industrial or commercial structures in the area
5. Mixed Use Buildings in High Density Districts: There are no mixed used buildings in high density structures in the target area.
6. There were no Limited Preference sites in target area, as it is all zoned RH-1 and RH-2.

7. Disfavored Sites

Alternative Site location G 1925 Gough St



The building at 1925 Gough Street is a wholly residential apartment building located within the RM-3 (Residential – Mixed, Medium Density) zoning district, a Preference 7 Location according to the WTS Guidelines. This building was considered a potential candidate, however, the property owner decided against pursuing a lease with AT&T Mobility. Therefore it was determined that this alternative was not an available candidate.

Alternative Site Location H 1950 Gough Street



The five story building at 1950 Gough Street is a wholly residential apartment building located within the Rm-3 (Residential – Mixed, Medium Density) zoning district a Preference 7 Location according to the WTS Guidelines. This building was considered a potential candidate, however, after several attempts to contact the property owner via email, phone calls, letters, and on site discussions with the property management, the property owner was unresponsive. Therefore, it was determined that this alternative was not a suitable candidate.

Alternative Site Location I

1900 Gough



The seven story building at 1900 Gough Street is a wholly residential apartment building located within the RM-3 (Residential Mixed, Medium Density) zoning district, a Preference 7 Location according to the WTS Guidelines. This site was considered a possible candidate, but after gaining property owner interest and conducting a feasibility walk on the roof it was determined that the building was too tall and would interfere with other sites within the city that are currently on-air. It was determined that this alternative was not a feasible candidate.

Alternative Site Location J
1980 Sacramento St



The four story building at 1980 Sacramento Street is a small-scale wholly residential apartment building located within the RH-2 (Residential, Two Units/Lot) zoning

district a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The four story building at 1980 Sacramento Street is too low and is blocked by the adjacent building to the west (1900 Gough). It does not have line-of-sight for the signal to the west, Gough Street. Therefore, it was determined that this was not a feasible candidate.

Alternative Site Location K
1970 Sacramento St



The four story building at 1970 Sacramento Street is a small-scale wholly residential apartment building located within the RH-2 (Residential, Two Units/Lot) zoning district. a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The four story building at 1970 Sacramento Street is too low and is blocked by the adjacent building to the west (1900 Gough). It does not have line-of-sight for the signal to the west, Gough Street. Therefore, it was determined that this was not a feasible candidate.

Alternative Site Location L
1958-1960 Sacramento St



The four story building at 1958-1960 Sacramento Street is a small-scale, wholly residential apartment building located within the RH-2 (Residential, Two Units/Lot) zoning district., a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The four story building at 1958-1960 Sacramento Street is too low and is blocked by the adjacent building to the west (1900 Gough). It does not have line-of-sight for the signal to the west, Gough Street. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site Location M
1913 Sacramento St



The two story building at 1913 Sacramento Street is a single family residential structure located within the RH-2 (Residential, Two Units/Lot) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The two story building at 1913 Sacramento Street is too low and is blocked by the building to the west (1850 Gough). It does not have line-of-sight for the signal to the west, Gough Street. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site Location N
1915 Sacramento St



| . The three story building at 1915 Sacramento Street is a single family residential structure located within the RH-2 (Residential, Two Units/Lot) zoning district a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The three story building at 1915 Sacramento Street is too low and is blocked by the building to the west (1850 Gough). It does not have line-of-sight for the signal to the west, Gough Street. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site Location O
1919 Sacramento St



The three story building at 1919 Sacramento Street is a single family residential structure located within the RH-2 (Residential, Two Units/Lot) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The three story building at 1919 Sacramento Street is too low and is blocked by the building to the west (1850 Gough). It does not have line-of-sight for the signal to the west, Gough Street. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site Location P
1921 Sacramento St



The building at 1921 Sacramento Street is a single family residential structure located within the RH-2 (Residential, Two Units/Lot) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The three story building at 1921 Sacramento Street is too low and is blocked by the building to the west (1850 Gough). It does not have line-of-sight for the signal to the west, Gough Street. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site Location Q
1850 Gough St



The seven story building at 1850 Gough Street is a residential apartment building located within the RM-3 (Residential - Mixed, Medium Density) zoning district a Preference 7 Location according to the WTS Guidelines. This building was considered a possible candidate, but after gaining property owner interest and conducting a feasibility walk on the roof it was determined that the building was too tall and would interfere with other sites within the city that are currently on-air. It was determined that this alternative was not a feasible candidate..

Alternative Site Location R
1830 Gough St



The four story building at 1830 Gough Street is a residential apartment building located within the RM-3 (Residential - Mixed, Medium Density) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The four story building at 1830 Gough Street is too low and is blocked by the building to the north (1850 Gough) and to the south (1800 Gough). It does not have line-of-sight for the signal to the north, Sacramento Street and to the south. Therefore, it was determined that this alternative was not the most suitable candidate.

Alternative Site Location S
1834 Gough St



The three story building at 1834 Gough Street is a residential apartment building located within the RM-3 (Residential - Mixed, Medium Density) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The three story building at 1834 Gough Street is too low and is blocked by the building to the north (1850 Gough) and to the south (1800 Gough). It does not have line-of-sight for the signal to the north, Sacramento Street and to the south. Therefore, it was determined that this alternative was not the most suitable candidate.

Alternative Site Location T
1800 Gough St



The nine story building at 1800 Gough Street is a residential apartment building located within the RM-3 (Residential - Mixed, Medium Density) zoning district, a Preference 7 Location according to the WTS Guidelines. This building was considered a potential candidate, however, the property owner decided against pursuing a lease with AT&T Mobility. Therefore it was determined that this alternative was not an available candidate.

Alternative Site Location U
1880 California St



The three story building at 1880 California Street is a residential apartment building located within the RM-3 (Residential - Mixed, Medium Density) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The three story building at 1834 Gough Street is too low and is blocked by the building to the north (1850 Gough) and to the south (1800 Gough). It does not have line-of-sight for the signal to the north, Sacramento Street and to the south. Therefore, it was determined that this alternative not a feasible candidate.

Alternative Site Location V
1820-1834 California St



The three story building at 1820 & 1834 California Street is a single family

residential structure located within the RH-2 (Residential – House, Two Family) zoning district., a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility’s service objective, line-of-sight to the defined service area is required. The three story building at 1834 Gough Street is too low and is blocked by the building to the north (1850 Gough) and to the south (1800 Gough). It does not have line-of-sight for the signal to the north, Sacramento Street and to the south. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site Location W
1801 Gough St



The seven story building at 1801 Gough Street is a residential apartment building located within the RM-3 (Residential - Mixed, Medium Density) zoning district, a Preference 7 Location according to the WTS Guidelines. This building was considered a potential candidate, however, after several attempts to contact the property owner via email, phone calls, letters, and on site discussions with the property management, the property owner was unresponsive. Therefore, it was determined that this alternative was not an available candidate.

Alternative Site Location X
1910 California St



The three story building at 1910 California Street is a residential building located within the RH-2 (Residential - House, Two Family) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The three story building at 1910 California Street is too low and is blocked by the building to the north (2001 Sacramento) and to the east (1801 Gough). It does not have line-of-sight for the signal to the north, Sacramento Street and to the east. Therefore, it was determined that this alternative was not a feasible candidate.

Alternative Site location Y
1807-1809 Gough St



The three story building at 1807-1809 Gough Street is a residential building located

within the RM-3 (Residential - Mixed, Medium Density) zoning district., a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The three story building at 1807-1809 California Street is too low and is blocked by the building to the north (2001 Sacramento) and to the south (1801 Gough). It does not have line-of-sight for the signal to the north, Sacramento Street and to the east. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site location Z
1845 Gough St



The four story building at 1845 Gough Street is a residential apartment building located within the RM-3 (Residential Mixed, Medium Density) zoning district., a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The four story building at 1845 Gough Street is too low and is blocked by the building to the north (2001 Sacramento) and to the south (1801 Gough). It does not have line-of-sight for the signal to the north, Sacramento Street and to the east. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site location AA
2011 Sacramento St



The four story building at 2011 Sacramento Street is a residential apartment building located within the RM-2 (Residential - Mixed, Moderate Density) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The four story building at 2011 Sacramento Street is too low and is blocked by the building to the south (1801 Gough). It does not have line-of-sight for the signal to the south. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site location AB
2015 Sacramento St



The four story building at 2015 Sacramento Street is a residential apartment building located within the RM-2 (Residential - Mixed, Moderate Density) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The four story building at 2011 Sacramento Street is too low and is blocked by the building to the west (2055 Sacramento) and to the south (1801 Gough). It does not have line-of-sight for the signal to the south. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site location AC
2039-2041 Sacramento St



The three story building at 2039-2041 Sacramento Street is a residential building located within the RM-2 (Residential - Mixed, Moderate Density) zoning district, a Preference 7 Location according to the WTS Guidelines. In order to meet AT&T Mobility's service objective, line-of-sight to the defined service area is required. The three story building at 2039 -2041 Sacramento Street is too low and is blocked by the building to the west (2055 Sacramento) and to the south (1801 Gough). It does not have line-of-sight for the signal to the south. Therefore, it was determined that this alternative was not a feasible candidate..

Alternative Site location AD
2055 Sacramento St



The nine story building at 2055 Sacramento Street is a residential apartment building located within the RM-2 (Residential - Mixed, Moderate Density) zoning district, a Preference 7 Location according to the WTS Guidelines. This building was considered a potential candidate, however, after several attempts to contact the property owner via email, phone calls, letters, and on site discussions with the property management, the property owner was unresponsive. Therefore, it was determined that this alternative was not an available candidate.



April 21, 2014

Omar Masry
San Francisco Department of Planning
1650 Mission Street, 4th Floor
San Francisco, CA 94103

Re: Case No. 2014.0129C - Community Meeting for proposed AT&T Mobility facility at
2001 Sacramento

Dear Mr. Masry:

On April 9, 2014 AT&T mobility held a community meeting regarding the proposed wireless facility at 2001 Sacramento Street. The attached notification announced the community presentation was to be held at the First Presbyterian Church. Notice of the meeting was mailed out on March 24, 2014 to 1,457 owners and tenants within 500 feet of the proposed installation and twelve neighborhood organizations.

I conducted the meeting on behalf of AT&T Mobility as the project sponsor along with Boe Hayward, AT&T Public External Affairs as well as Sven Starkiskov with BergDavis Public Affairs. Raj Mathur, a professional licensed engineer with Hammett and Edison was there to answer any questions regarding the EMF emissions from the proposed wireless facility. There were two members of the community who attended the meeting. The project details were presented to the community members along with where the project is currently at with the city planning process. One member of the community had EMF related questions and had no design concerns with the project. Raj Mathur addressed the health-related questions. He explained the FCC standard for RF exposure levels and how the site complies with this standard. He described the antennas as directional—meaning their output is targeted rather than omnidirectional—and offered all attendees an RF reading at their homes, even to those attendees over 25 feet away from the site. The second member of the community wanted to attend a community because he never had and had no objections to the project. All questions were satisfactorily answered by Talin, Boe and Raj Mathur. They provided their contact information to all the meeting attendee's, so that they could contact them.

If you have any questions, please contact me.

Sincerely,



Talin Aghazarian
Ericsson, Inc.
6140 Stoneridge Mall Road, Suite 365
Pleasanton, CA 94588, US
Mobile (510) 206-1674

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

To: Neighborhood Groups and Neighbors & Owners within a 500' radius of 2001 Sacramento Street

Meeting Information

Date: **Wednesday, April 09, 2014**
Time: **6:00 PM-7:30 PM**

Where: Old First Presbyterian Church
1751 Sacramento St, San Francisco, CA
94109

Site Information

Address: 2001 Sacramento Street
RM-3 Residential Mixed Medium Density

Applicant

AT&T Mobility

Contact Information

AT&T Mobility Hotline
(415) 646-0972

AT&T Mobility is proposing to install a wireless communication facility at 2001 Sacramento St. needed by AT&T Mobility as part of its San Francisco wireless network. The proposed site is an unmanned facility consisting of the installation of six (6) panel antennas. The antennas will be mounted on an existing penthouse and on the roof. The associated equipment will also be located on the roof inside an existing penthouse structure. 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 Old First Presbyterian Church 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 with the San Francisco Planning Department at (415)575-9116, omar.masry@sfgov.org 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 April 4, 2014 and we will make every effort to provide you with an interpreter.

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

Para: Grupos del vecindario y vecinos y propietarios dentro de un radio de 500' de 2001 Sacramento Street

Información de la reunión

Fecha: **Miércoles, 9 de abril de 2014**
Hora: **6:00 PM-7:30 PM**

Dónde: Old First Presbyterian Church
1751 Sacramento St, San Francisco, CA
94109

Información del lugar

Dirección: 2001 Sacramento Street
RM-3 Residential Mixed Medium Density

Solicitante

AT&T Mobility

Información de contacto

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

AT&T Mobility propone colocar una instalación de comunicaciones inalámbricas en 2001 Sacramento St., necesaria para AT&T Mobility como parte de su red inalámbrica en San Francisco. La ubicación propuesta es una instalación sin personal que consiste en la instalación de seis (6) antenas panel. Las antenas se montarán en el ático existente y en el techo. El equipo asociado también se colocará en el techo dentro de una estructura existente en la azotea. Habrá planos y fotos disponibles para que usted los revise en la reunión. Está invitado a asistir a una reunión comunitaria informativa que tendrá lugar en la Old First Presbyterian Church para obtener 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 del Departamento de Planificación de San Francisco al (415) 575-9116, omar.masry@sfgov.org 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 llamando al (415) 646-0972 hasta el viernes 4 de abril de 2014 inclusive, antes de las 5:00 p.m., y haremos todo lo posible para proporcionarle un intérprete.

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：Sacramento 大街 2001 號周圍方圓五百英尺內的居民組織、居民和業主

會議資訊資訊

日期：2014 年 4 月 9 日 (星期三)
時間：下午 6:00-7:30

地點：加利福尼亞州三藩市
Sacramento 大街 1751 號 Old First
Presbyterian Church (郵遞區號 94109)

設施地點資訊

地址：Sacramento 大街 2001 號
RM-3 民居混合中等密度

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 Sacramento 大街 2001 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。計畫中的 AT&T Mobility 站為無人操作設施，需要安裝六(6) 根平板天線。這些天線將被放置在現有閣樓和屋頂，而相關設備將安裝在現有屋頂結構內部的屋頂之上。我們在會上將提供計畫書和類比圖片供您參考。我們誠邀您參加在 Old First Presbyterian Church 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。如果您對本規劃程式有任何疑問，請致電 (415) 575-9116 與三藩市城市規劃局的 Omar Masry 聯繫，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 4 月 4 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。



HAMMETT & EDISON, INC.
 CONSULTING ENGINEERS
 BROADCAST & WIRELESS

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 1920-2002
 EDWARD EDISON, P.E.
 1920-2009

DANE E. ERICKSEN, P.E.
 CONSULTANT

BY E-MAIL TV8342@ATT.COM

April 25, 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 2001 Sacramento Street (Site No. CN5513). 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 had installed two omnidirectional antennas between the third and fourth floor of the five-story residential building located at 2001 Sacramento Street. It is proposed to replace those existing antennas with six CCI directional panel antennas, mounted with up to 2° downtilt above the roof of the building. Three Model BSA-M65-17R010-42-K antennas would be mounted on the side of the penthouse at an effective height of about 60 feet above ground, 9 feet above the roof, and would be oriented toward 0°T. Three Model HPA-45R-BUU-H4 antennas would be mounted on short poles above the southeast corner of the roof at an effective height of about 58½ feet above ground, 7½ feet above the roof, and would be oriented toward 120°T. The maximum effective radiated power proposed by AT&T in any direction is 10,900 watts, representing simultaneous operation at 2,400 watts for WCS, 5,650 watts for PCS, 1,000 watts for cellular, and 1,850 watts for 700 MHz service.

AT&T provided for review two pairs of coverage maps, dated February 3, 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 |

Theadora K. Vriheas, Esq., page 2
April 25, 2014

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.

We undertook a two-step process in our review. As a first step, we obtained information from AT&T on the software and the service thresholds that were used to generate its coverage maps. This carrier uses commercially available software to 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.

As a second step, we conducted our own drive test to measure the actual AT&T UMTS and LTE 4G signal strength in the vicinity of the proposed site. Our fieldwork was conducted on February 27, 2014, between 3:00 PM and 5:30 PM.

The field measurements were conducted using an Ascom TEMS Pocket network diagnostic tool with built-in GPS along a measurement route selected to cover all the streets within the map area that AT&T had indicated would receive improved service.

Based on the measurement data, we conclude that the AT&T UMTS and 4G LTE coverage maps showing the service area without the proposed installation represent areas of deficiency in the carrier's present indoor coverage. The maps submitted to show the after coverage with the upgraded base station in operation were prepared on the same basis as the maps of the existing conditions and so are expected to accurately illustrate the improvements in coverage.

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

Sincerely yours,

A handwritten signature in black ink, appearing to read "Bill Hammett", with a long horizontal flourish extending to the right.

William F. Hammett, P.E.

lc

Enclosures

cc: Mr. Michael J. Caniglia (w/encls) - BY E-MAIL MC0763@ATT.COM
Ms. Talin Aghazarian (w/encls) - BY E-MAIL TALIN.AGHAZARIAN@ERICSSON.COM

Exhibit 2 - Proposed Site at 2001 Sacramento (CN5513)

Service Area BEFORE site is constructed

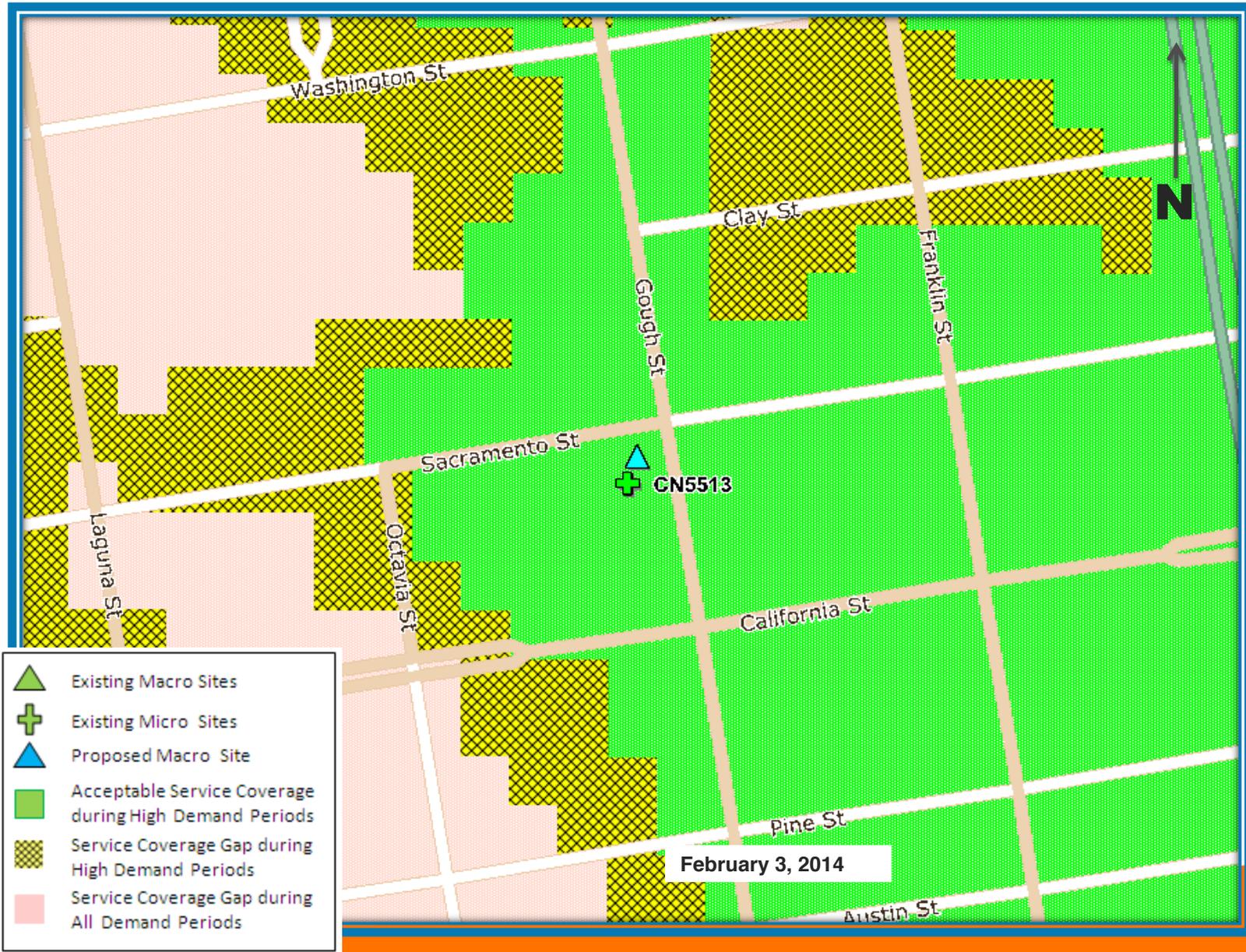


Exhibit 4 - Proposed Site at 2001 Sacramento (CN5513)

Service Area AFTER site is constructed

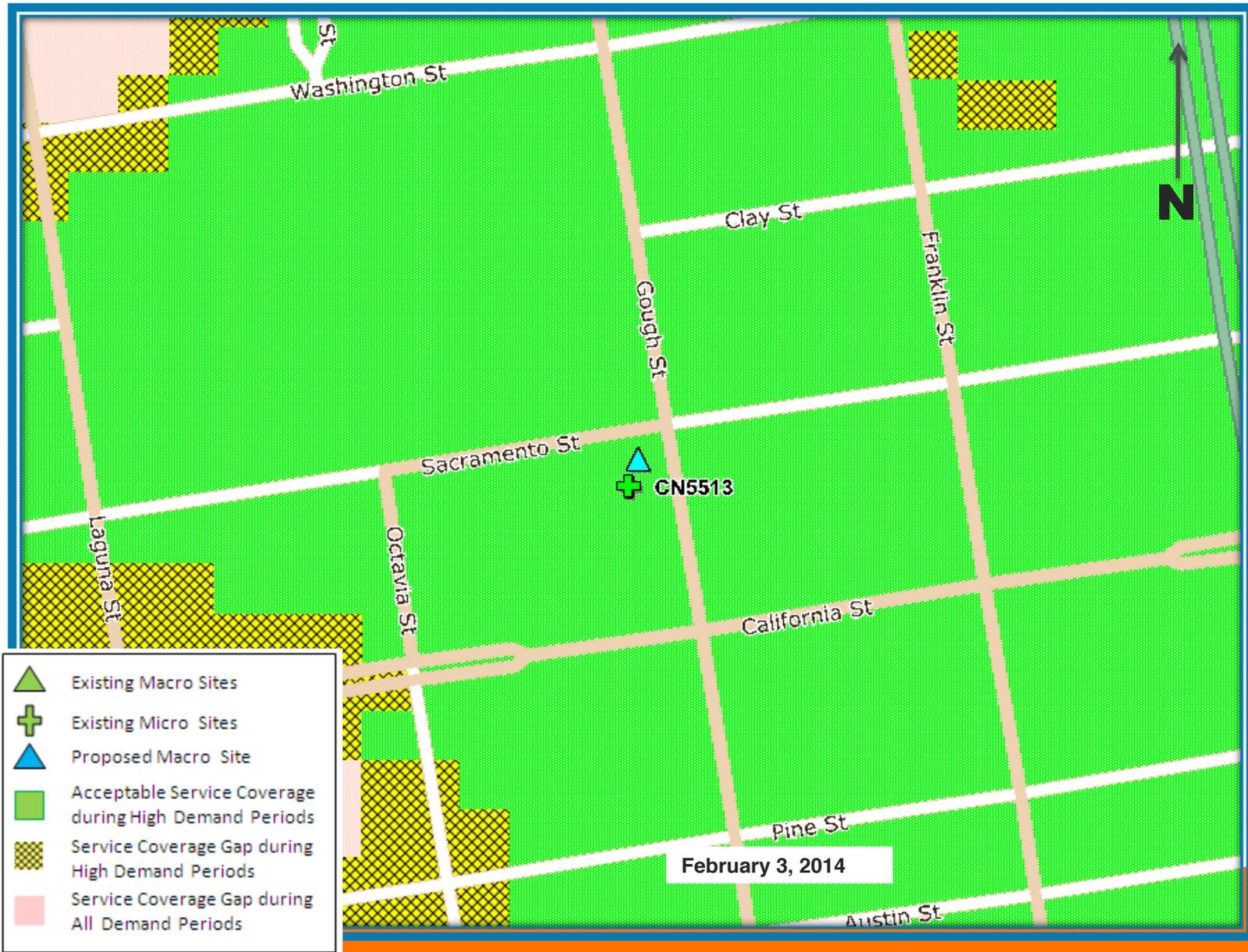
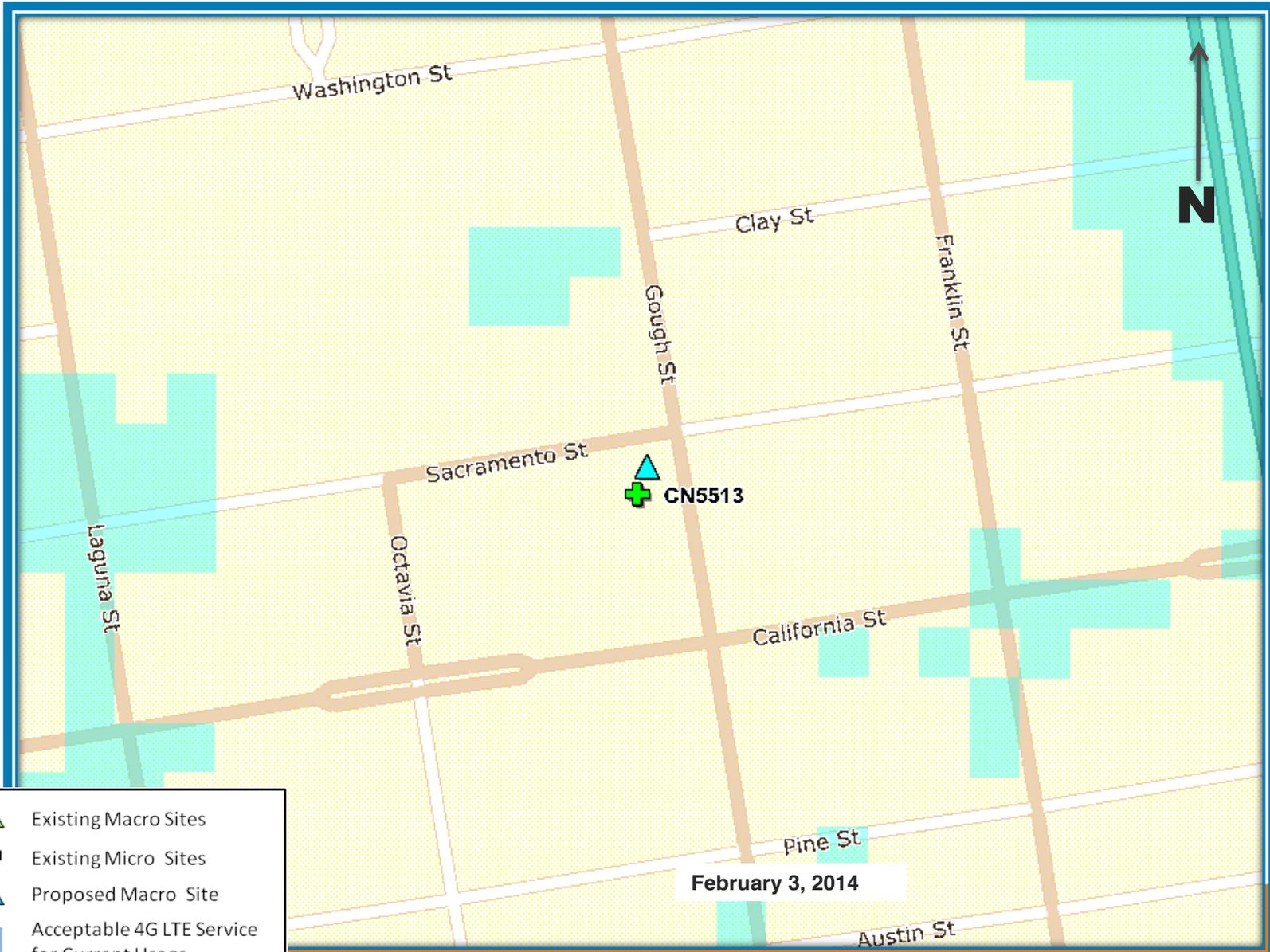


Exhibit 5 - Proposed Site at 2001 Sacramento (CN5513)

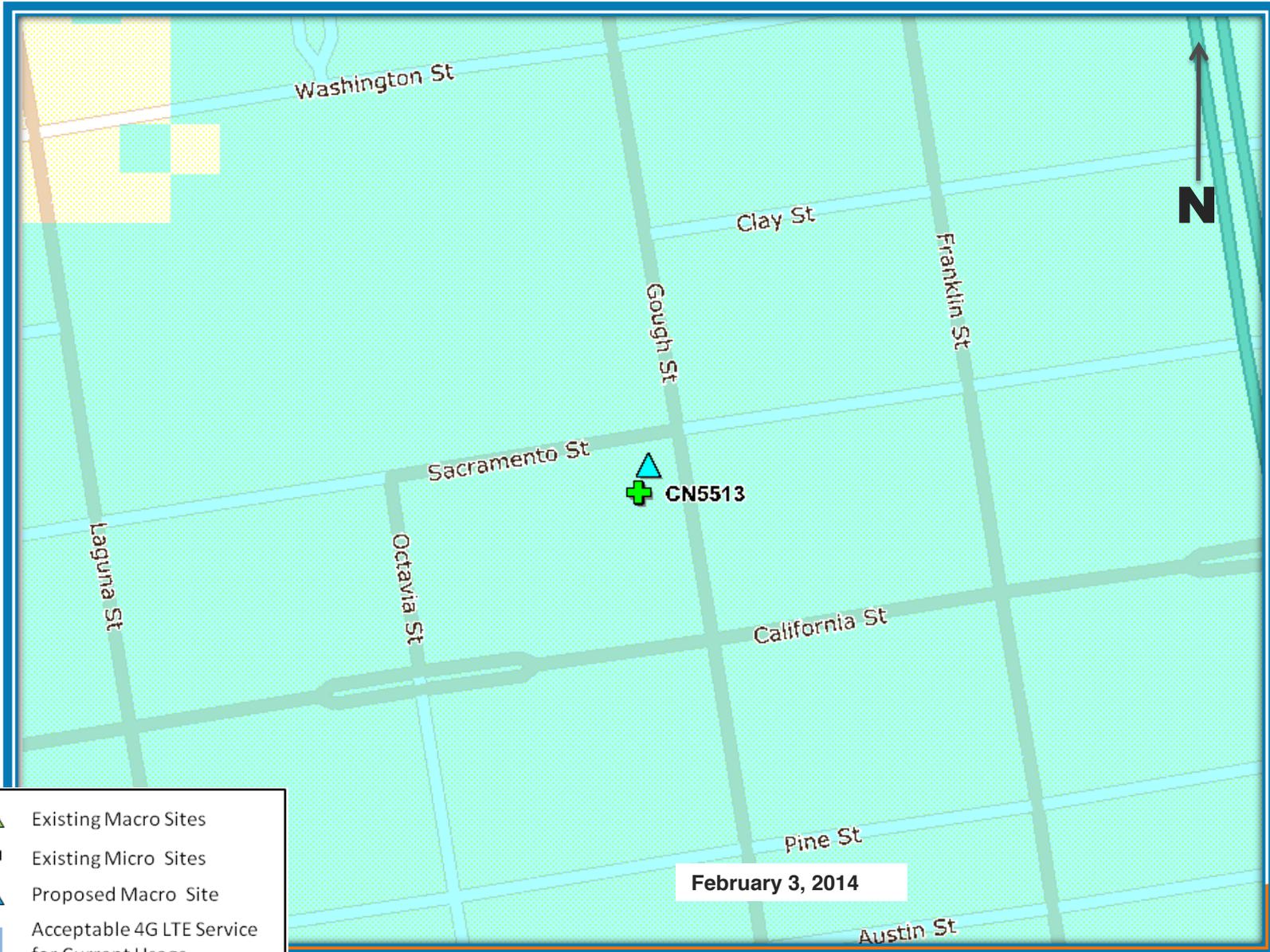
4G LTE Service Area BEFORE site is constructed



- ▲ Existing Macro Sites
- + Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable 4G LTE Service for Current Usage

Exhibit 6 - Proposed Site at 2001 Sacramento (CN5513)

4G LTE Service Area AFTER site is constructed



- ▲ Existing Macro Sites
- + Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable 4G LTE Service for Current Usage



at&t

SACRAMENTO & GOUGH
2001 SACRAMENTO ST
SAN FRANCISCO, CA 94109
CN5513

SACRAMENTO & GOUGH

CN5513
 2001 SACRAMENTO ST
 SAN FRANCISCO, CA 94109

ISSUE STATUS

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	09/16/13	CLIENT REV	C.C.
	12/03/13	CLIENT REV	C.C.
	02/12/14	CLIENT REV	C.C.
	02/27/14	CLIENT REV	C.C.
	04/22/14	CLIENT REV	C.C.

DRAWN BY: C. CODY
 CHECKED BY: C. MATHISEN
 APPROVED BY: -
 DATE: 04/22/14

Streamline Engineering and Design, Inc.
 8445 Sierra College Blvd, Suite E Granite Bay, CA 95746
 Contact: Larry Houghtby Phone: 916-275-4180
 E-Mail: larry@streamlineeng.com Fax: 916-660-1941

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PROJECT DESCRIPTION

A MODIFICATION TO AN (E) UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF REMOVING (E) OMIN ANTENNAS & EQUIPMENT & REPLACING W/ (6) (P) AT&T ANTENNAS & (P) AT&T EQUIPMENT INSIDE AN (E) EQUIPMENT ROOM.

VICINITY MAP



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.

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: SACRAMENTO & GOUGH SITE #: CN5513
 COUNTY: SAN FRANCISCO JURISDICTION: CITY OF SAN FRANCISCO
 BLOCK / LOT: 0640 / 019-027 POWER: PG&E
 SITE ADDRESS: 2001 SACRAMENTO ST SAN FRANCISCO, CA 94109 TELEPHONE: AT&T
 CURRENT ZONING: RM-3
 CONSTRUCTION TYPE: V-B
 OCCUPANCY TYPE: U (UNMANNED COMMUNICATIONS FACILITY)
 HEIGHT / BULK: 40-X
 PROPERTY OWNER: 2001 SACRAMENTO STREET CONDOMINIUM ASSOC 2001 SACRAMENTO ST, SUITE #4 SAN FRANCISCO, CA 94109
 APPLICANT: AT&T 430 BUSH ST, 5TH FLOOR SAN FRANCISCO, CA 94109
 LEASING CONTACT: ATTN: COREY ALVIN (415) 760-9763
 ZONING CONTACT: ATTN: COREY ALVIN (415) 760-9763
 CONSTRUCTION CONTACT: ATTN: JAKE BLACKNER (805) 441-6736
 RF CONTACT: ATTN: STEVEN LY (415) 889-7487
 LATITUDE: N 37° 47' 26.52" NAD 83
 LONGITUDE: W 122° 25' 33.35" NAD 83
 AMSL: ±291.8'

DRIVING DIRECTIONS

FROM: 430 BUSH ST, 5TH FLOOR, SAN FRANCISCO CA 94108
 TO: 2001 SACRAMENTO ST, SAN FRANCISCO, CA 94109

1. START OUT GOING EAST ON BUSH ST TOWARD CLAUDE LN. 0.0 MI
2. TURN LEFT ONTO KEARNY ST. 0.1 MI
3. TURN LEFT ONTO PINE ST. 1.1 MI
4. TURN RIGHT ONTO FRANKLIN ST. 0.1 MI
5. TURN LEFT ONTO SACRAMENTO ST. 0.1 MI

END AT: 2001 SACRAMENTO ST, SAN FRANCISCO, CA 94109
 ESTIMATED TIME: 50 MINUTES ESTIMATED DISTANCE: 38.51 MILES

SHEET INDEX

SHEET	DESCRIPTION	REV
T-1	TITLE SHEET	-
C-1	TOPOGRAPHIC SURVEY	-
A-1	SITE PLAN	-
A-2	EQUIPMENT PLANS & DETAILS	-
A-3	ANTENNA PLANS	-
A-4	ELEVATION	-
A-5	ELEVATION	-
A-6	ELEVATION	-
A-7	ELEVATION	-
A-8	DETAILS	-

APPROVAL

RF
LEASING
ZONING
CONSTRUCTION
AT&T
ERICSSON

at&t



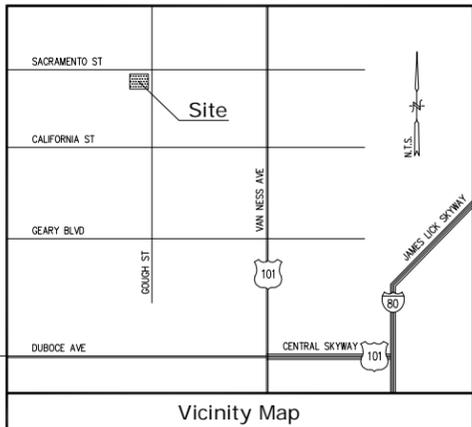
430 BUSH ST, 5TH FLOOR
 SAN FRANCISCO, CA 94108

SHEET TITLE:

TITLE

SHEET NUMBER:

T-1



Title Report

THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE REPORT.

Easements

NOT AVAILABLE

Access Route/Lease Area

TO BE DETERMINED

Legal Description

BEING A RESUBDIVISION OF A PORTION OF WESTERN ADDITION BLOCK NO. 161, IN THE CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA, FILED IN THE MAP OF 2001 SACRAMENTO STREET, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

Assessor's Parcel No.

0640-019 THROUGH 027

Geographic Coordinates at Center of Sectors

1983 DATUM: LATITUDE 37° 47' 26.52" N LONGITUDE 122° 25' 33.35" W ELEVATION = 291.8 FEET ABOVE MEAN SEA LEVEL.

CERTIFICATION: THE LATITUDE AND LONGITUDE SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 15 FEET HORIZONTALLY AND THAT THE ELEVATIONS SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 3 FEET VERTICALLY. THE HORIZONTAL DATUM (GEOGRAPHIC COORDINATES) IS IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND IS EXPRESSED IN DEGREES (°), MINUTES (') AND SECONDS ("), TO THE NEAREST HUNDREDTH OF A SECOND. THE VERTICAL DATUM (ELEVATIONS) IS IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND IS DETERMINED TO THE NEAREST TENTH OF A FOOT.

Basis of Bearings

THE STATE PLANE COORDINATE SYSTEM OF 1983 (NAD 83), CALIFORNIA ZONE 3.

Bench Mark

THE CALIFORNIA SPATIAL REFERENCE CENTER G.O.R.S "TIBB", ELEVATION = 38.73 FEET (NAVD 88).

Date of Survey

JANUARY 19, 2011

Streamline Engineering



3268 Pennyn Road, Suite 200, Loomis, CA 95650
 Contact: Larry Houghtby Phone: 916-275-4180
 E-Mail: larry@streamlineeng.com Fax: 916-660-1941

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY IS STRICTLY PROHIBITED.

CONSULTANT

CAL VADA SURVEYING, INC.

411 Janis Cir., Suite 206, Corona, CA 92680
 Phone: 951-580-4999 Fax: 951-250-9746
 www.calvada.com
 Tel Fax: 951-CALVADA
 JOB NO. 11081

PREPARED FOR



4430 Rosewood Drive
 Pleasanton, California 94588

APPROVALS

R.F.	DATE
SAC AND ZONING	DATE
ERICSSON CM	DATE
AT&T CM	DATE
OWNER APPROVAL	DATE

PROJECT NAME

SACRAMENTO & GOUGH

PROJECT NUMBER

CN5513

2001 SACRAMENTO ST.
 SAN FRANCISCO, CA 94109
 SAN FRANCISCO COUNTY

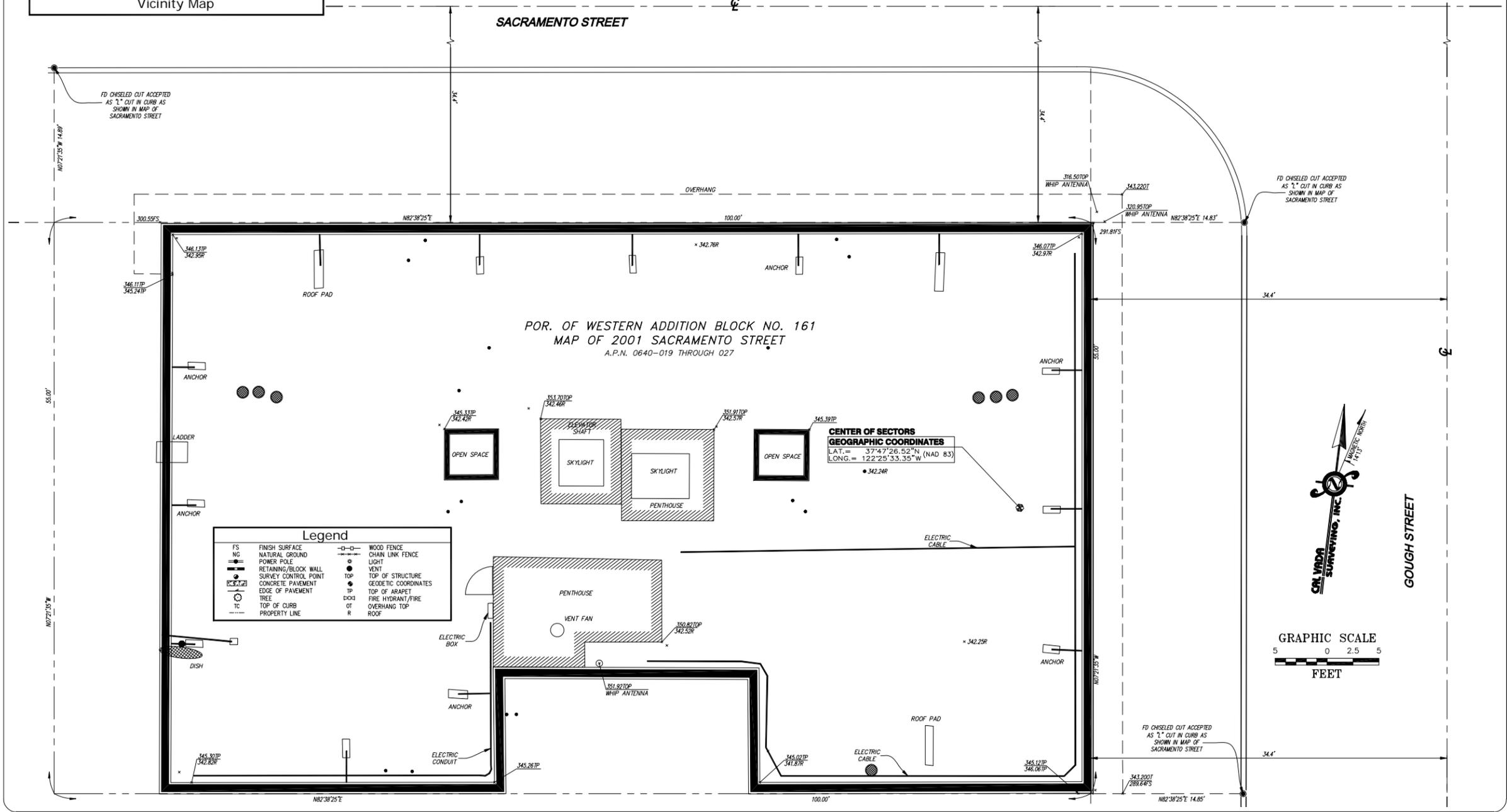
DATE	DESCRIPTION	BY
01/20/11	SUBMITTAL	GBM
07/01/11	GEOGRAPHIC COORDINATES	AL

SHEET TITLE

TOPOGRAPHIC SURVEY

C-1

SHEET 1 OF 1



SACRAMENTO & GOUGH

CN5513
2001 SACRAMENTO ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

Δ	DATE	DESCRIPTION	BY
	06/11/13	CLIENT REV	C.C.
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	02/27/14	CLIENT REV	C.C.
	04/22/14	CLIENT REV	C.C.

DRAWN BY: C. CODY

CHECKED BY: C. MATHISEN

APPROVED BY: -

DATE: 04/22/14

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Contact: Larry Houghtby Phone: 916-275-4180
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at&t

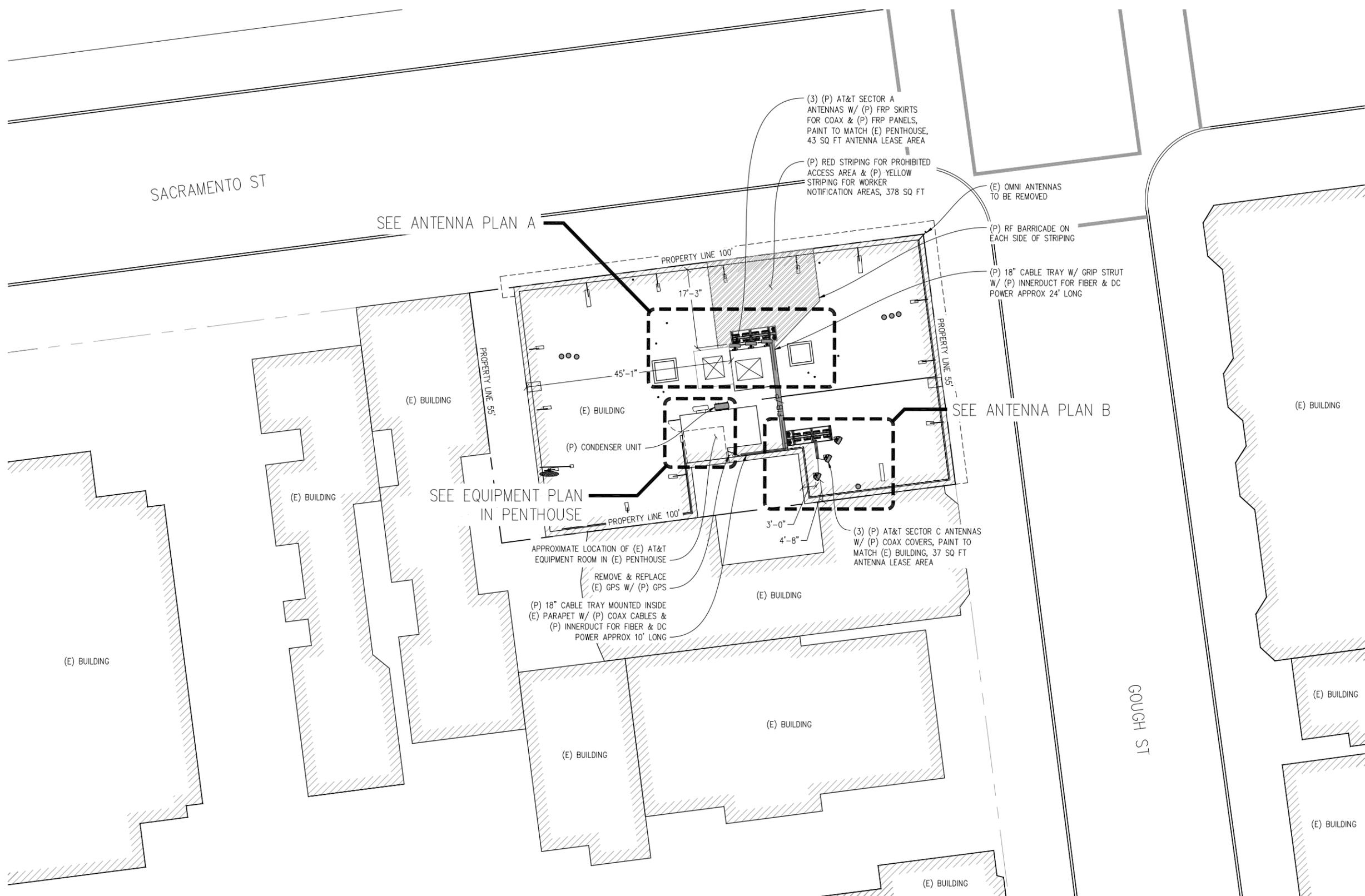
430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

A-1



SITE PLAN
1"=10'-0"



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	06/11/13	CLIENT REV	C.C.
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DRAWN BY: C. CODY

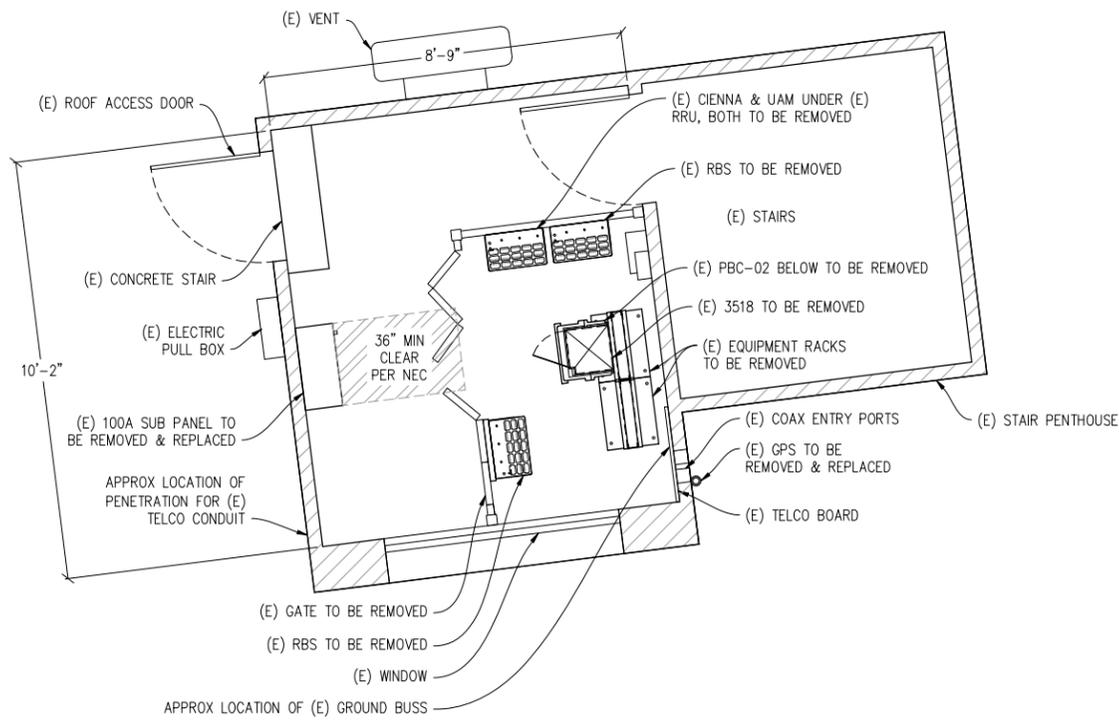
CHECKED BY: C. MATHISEN

APPROVED BY: -

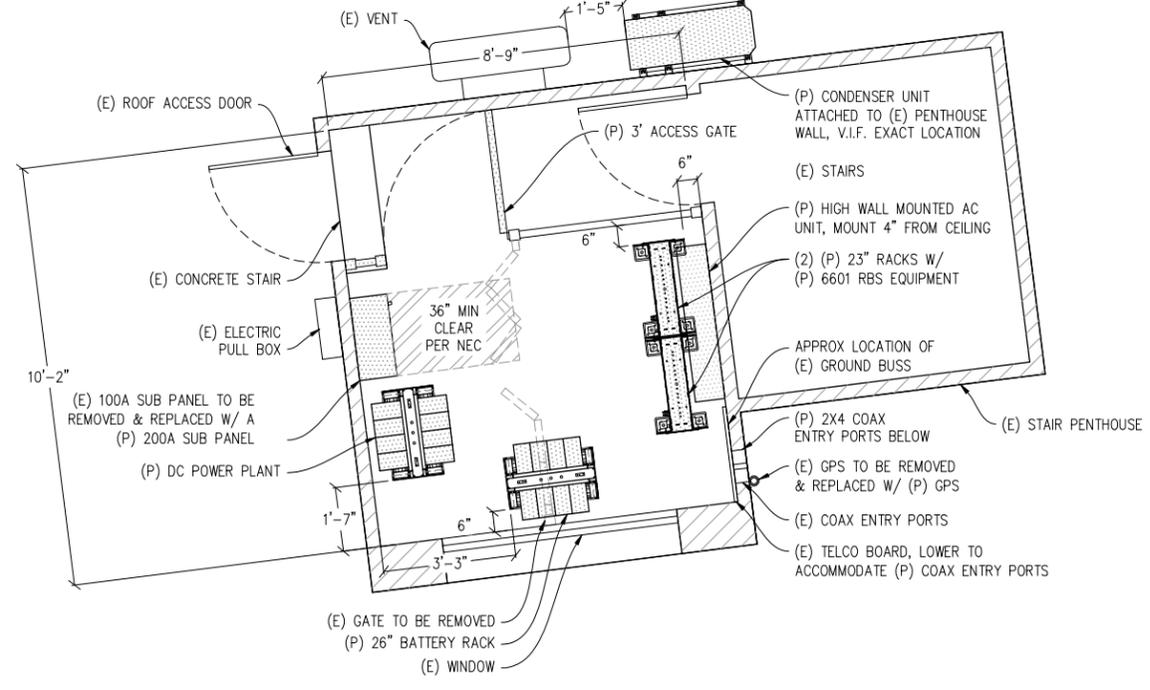
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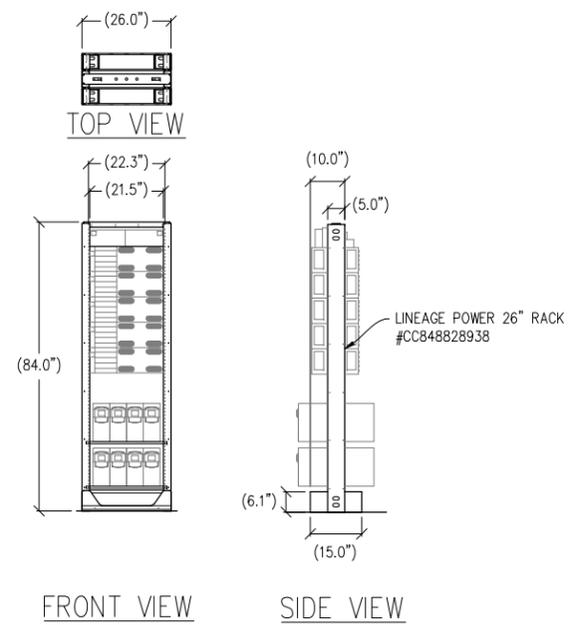
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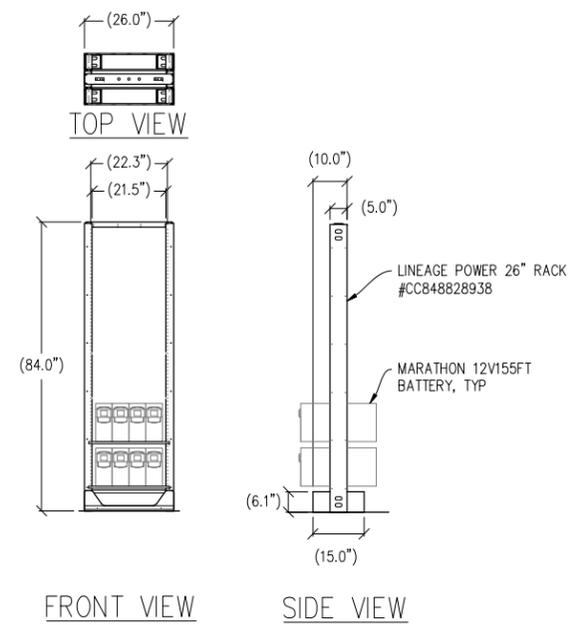
(E) EQUIPMENT PLAN
1/2"=1'-0"
0 6" 1' 2' 3' 5' 7' 10'



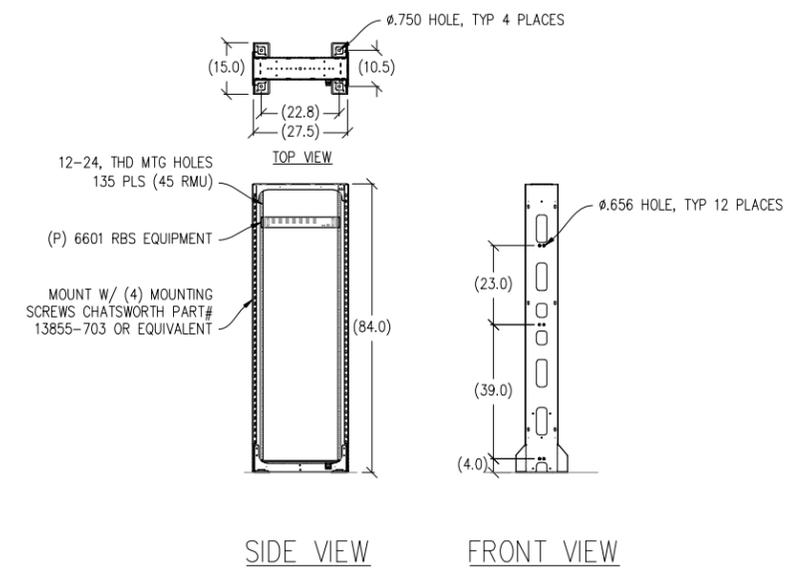
(P) EQUIPMENT PLAN
1/2"=1'-0"
0 6" 1' 2' 3' 5' 7' 10'



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"



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

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DRAWN BY: C. CODY

CHECKED BY: C. MATHISEN

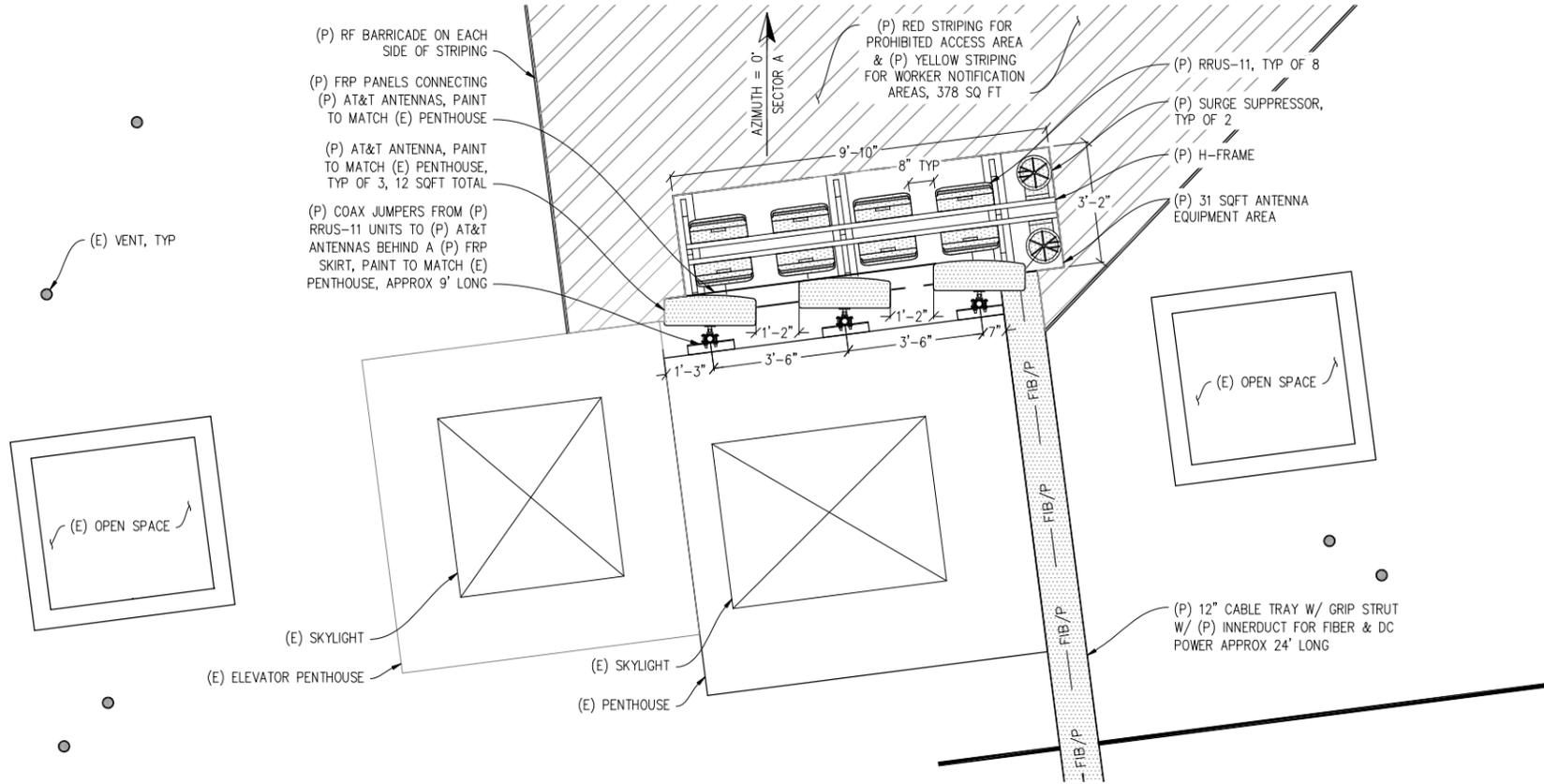
APPROVED BY: -

DATE: 04/22/14

Streamline Engineering
and Design, Inc.

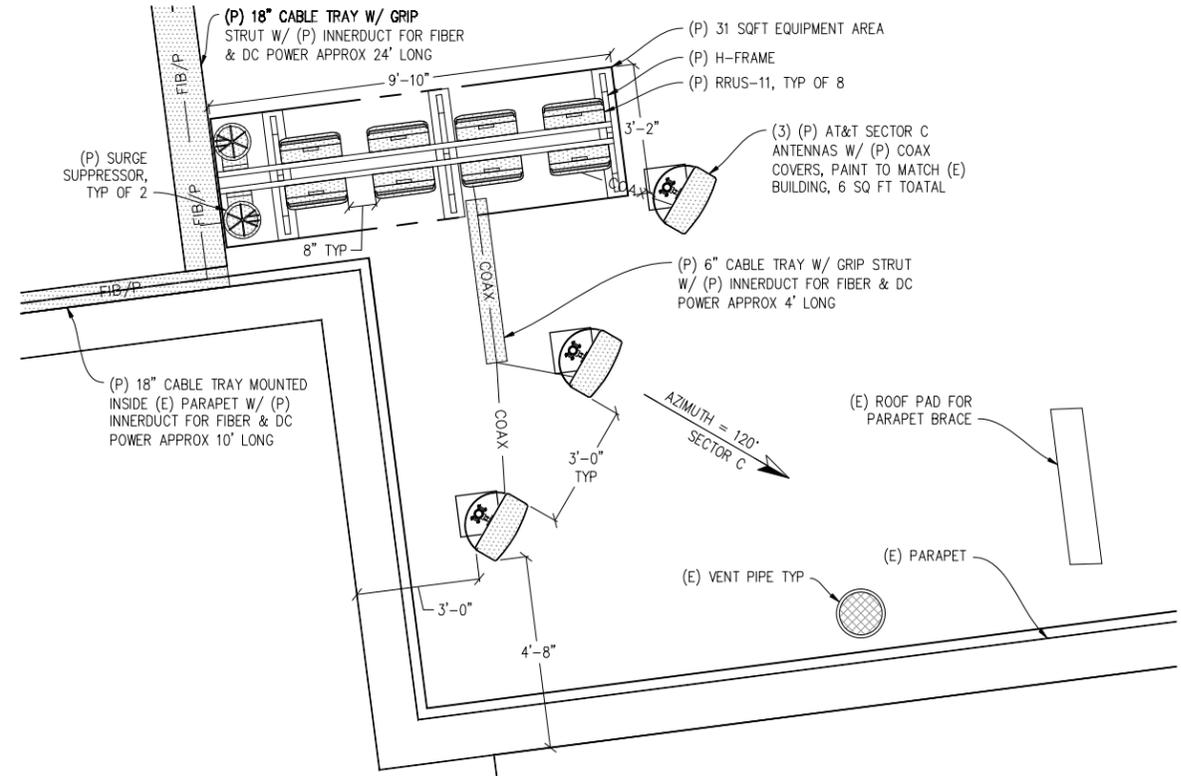
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ANTENNA PLAN A

1/2" = 1'-0"



ANTENNA PLAN B

1/2" = 1'-0"



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

SHEET TITLE:

ANTENNA PLANS

SHEET NUMBER:

A-3

ISSUE STATUS

△	DATE	DESCRIPTION	BY
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	02/27/14	CLIENT REV	C.C.
	04/22/14	CLIENT REV	C.C.

DRAWN BY: C. CODY

CHECKED BY: C. MATHISEN

APPROVED BY: -

DATE: 04/22/14

Streamline Engineering
and Design, Inc.

8445 Sierra College Blvd, Suite E Granite Bay, CA 95746
Contact: Larry Houghtby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

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NORTH ELEVATION

3/8" = 1'-0"

VIEW FROM SACRAMENTO STREET



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

SHEET TITLE:

ELEVATION

SHEET NUMBER:

A-4

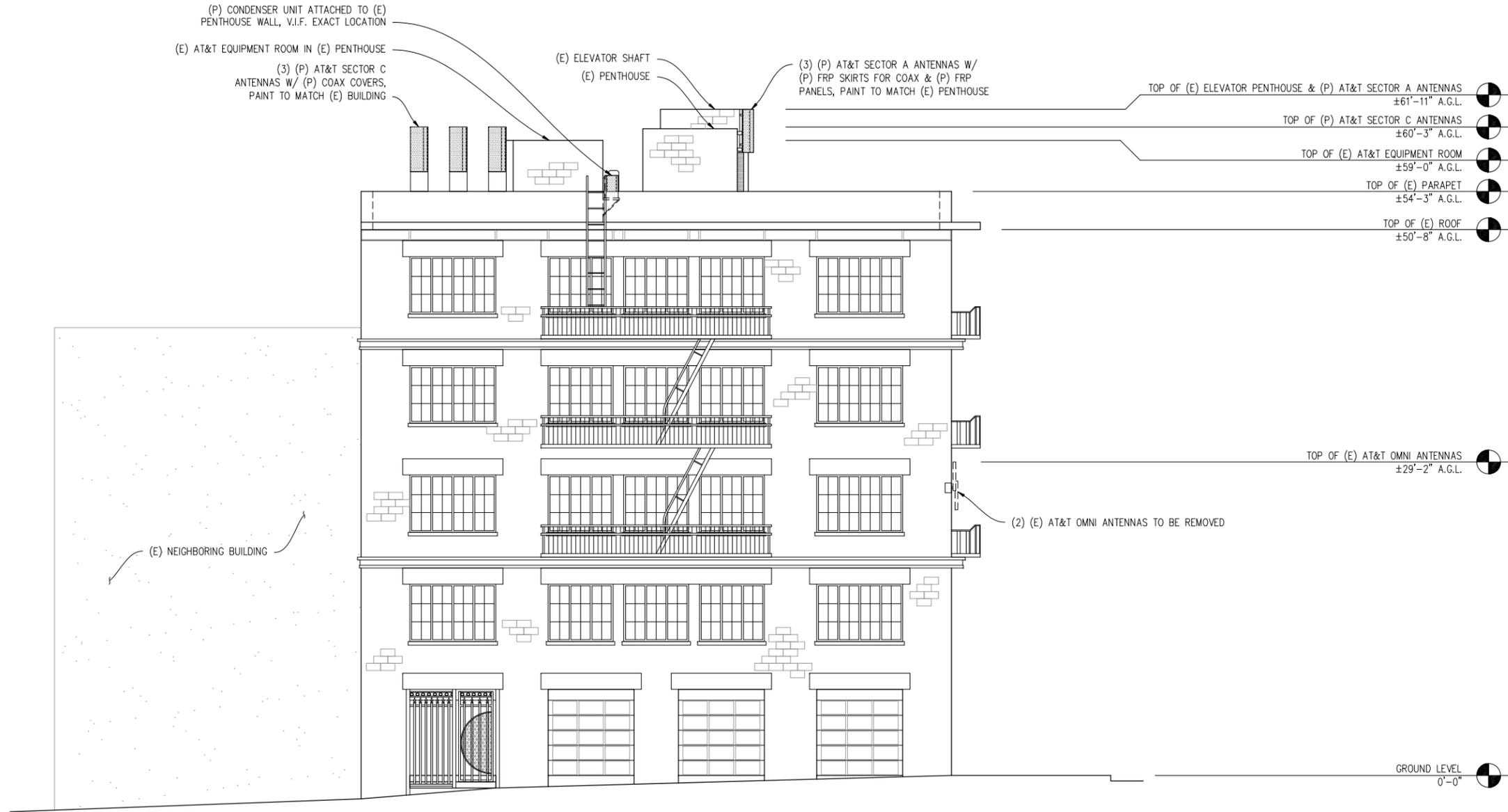
**SACRAMENTO
&
GOUGH**

CN5513
2001 SACRAMENTO ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

Δ	DATE	DESCRIPTION	BY
	06/11/13	CLIENT REV	C.C.
	09/16/13	CLIENT REV	C.C.
	12/03/13	CLIENT REV	C.C.
	02/12/14	CLIENT REV	C.C.
	02/27/14	CLIENT REV	C.C.
	04/22/14	CLIENT REV	C.C.

DRAWN BY: C. CODY
CHECKED BY: C. MATHISEN
APPROVED BY: -
DATE: 04/22/14



EAST ELEVATION

3/8" = 1'-0"

VIEW FROM GOUGH STREET

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SAN FRANCISCO, CA 94108

SHEET TITLE:
ELEVATION
SHEET NUMBER:
A-5

**SACRAMENTO
&
GOUGH**

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	02/12/14	CLIENT REV	C.C.
	02/27/14	CLIENT REV	C.C.
	04/22/14	CLIENT REV	C.C.

DRAWN BY: C. CODY

CHECKED BY: C. MATHISEN

APPROVED BY: -

DATE: 04/22/14

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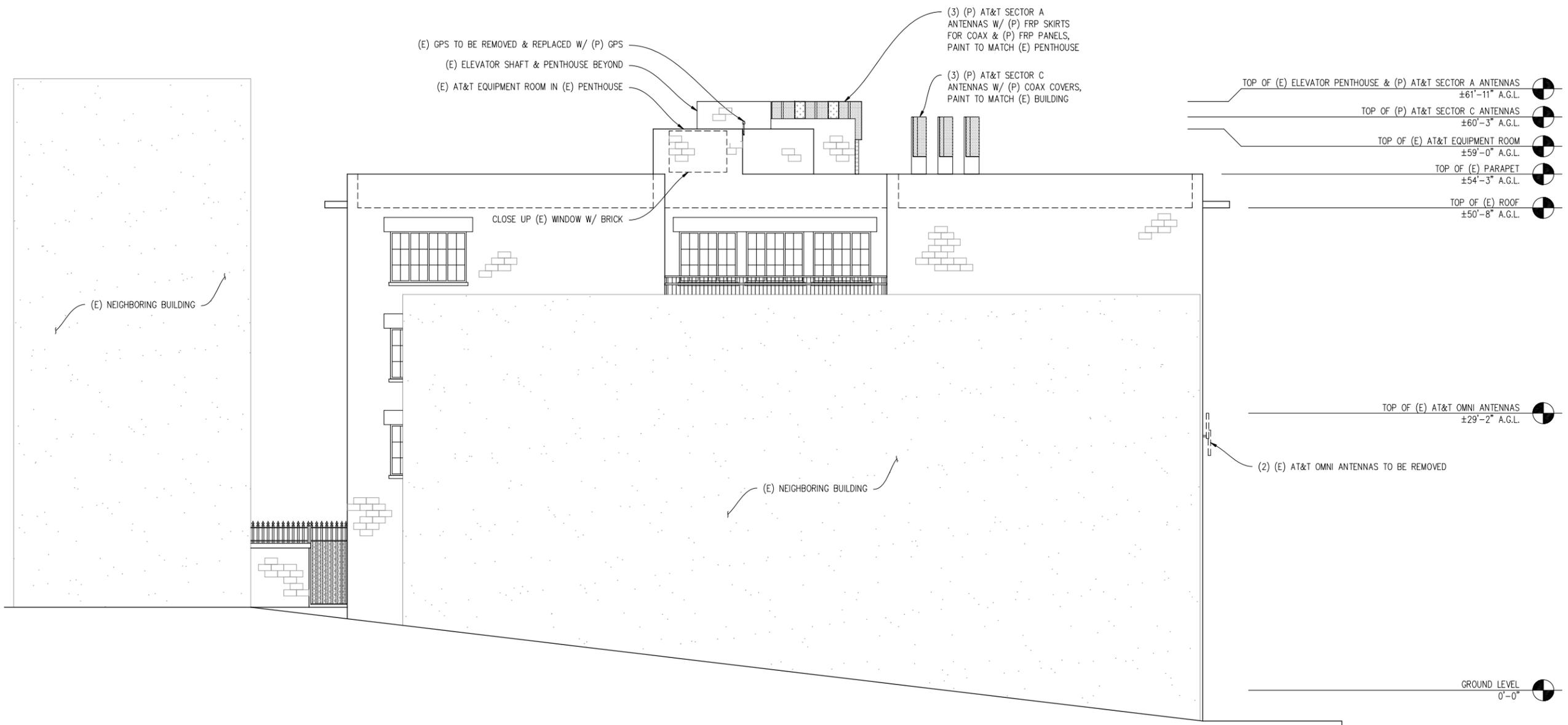
430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

ELEVATION

SHEET NUMBER:

A-6



SOUTH ELEVATION

3/8"=1'-0"

VIEW FROM CALIFORNIA STREET

SACRAMENTO & GOUGH

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2001 SACRAMENTO ST
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	02/12/14	CLIENT REV	C.C.
	02/27/14	CLIENT REV	C.C.
	04/22/14	CLIENT REV	C.C.

DRAWN BY: C. CODY

CHECKED BY: C. MATHISEN

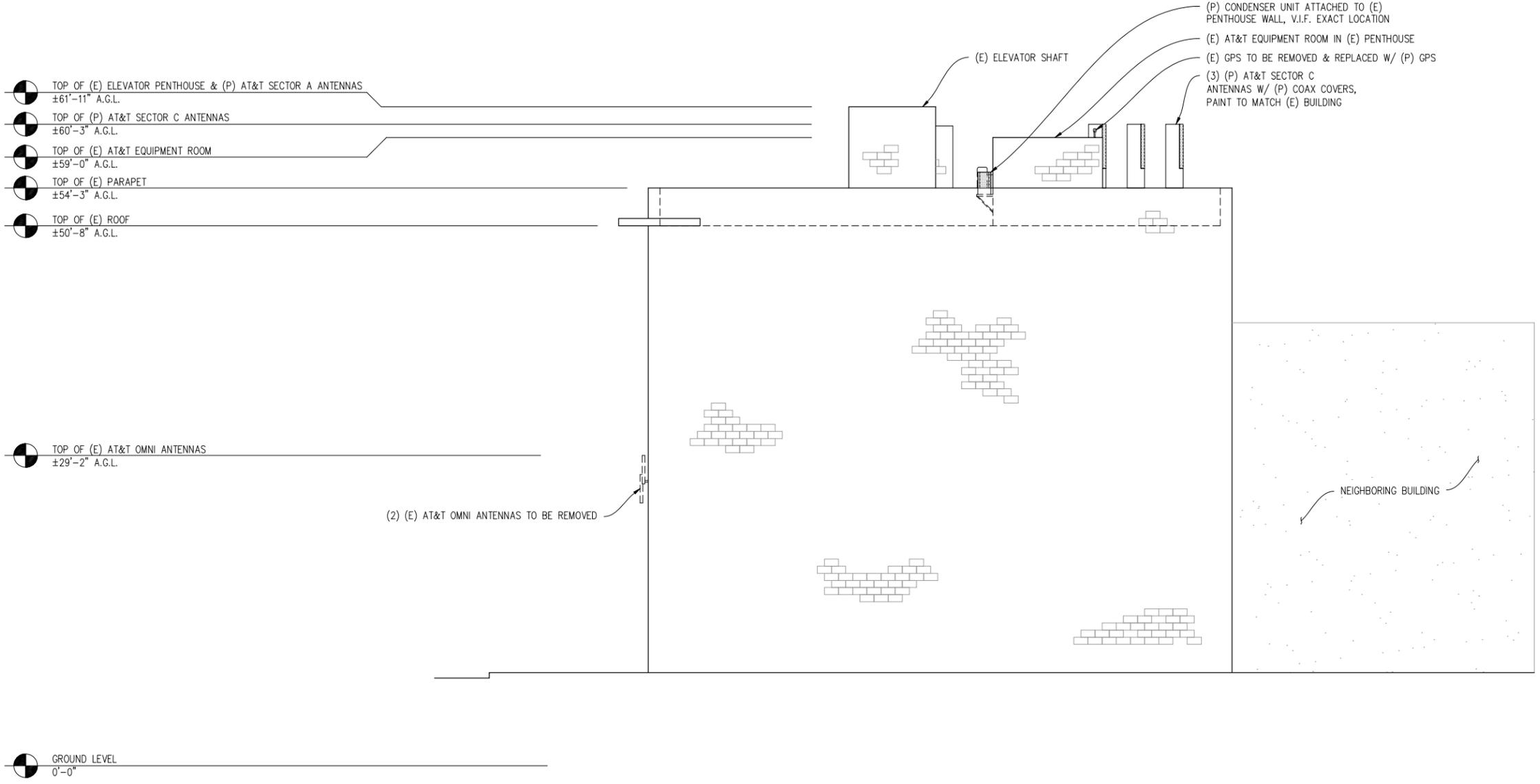
APPROVED BY: -

DATE: 04/22/14

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WEST ELEVATION

3/16"=1'-0"

VIEW FROM OCTAVIA STREET



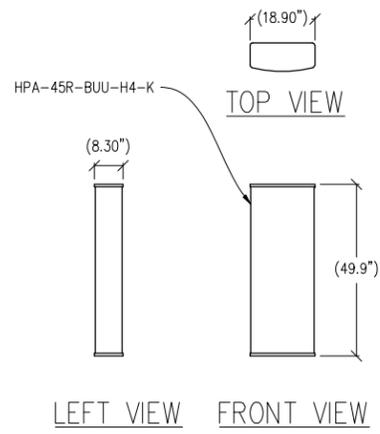
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SAN FRANCISCO, CA 94108

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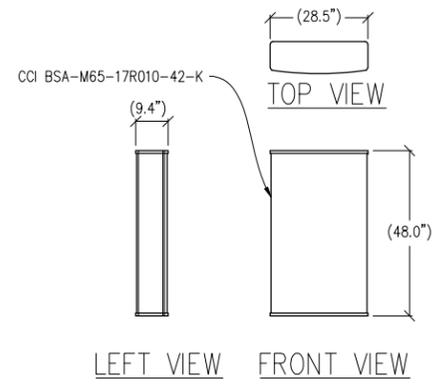
ELEVATION

SHEET NUMBER:

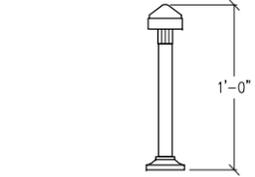
A-7



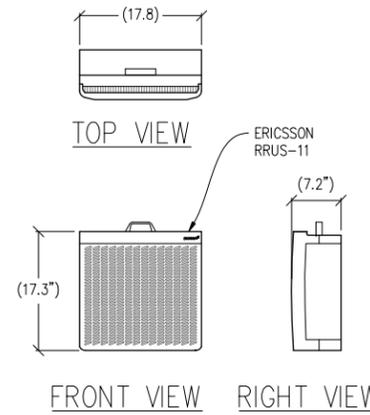
① **ANTENNA DETAIL**
 $\frac{1}{2}''=1'-0''$ MAX WEIGHT: 54 LBS



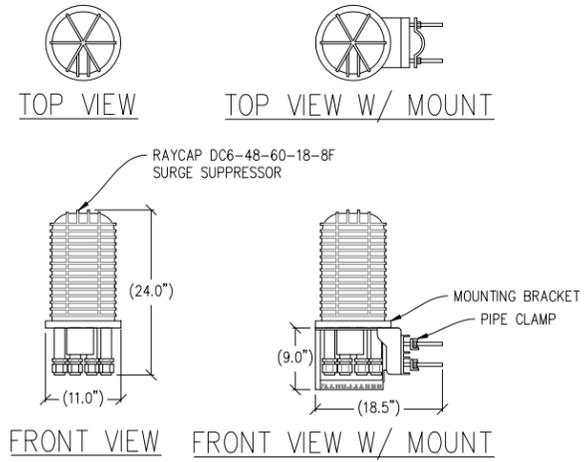
② **ANTENNA DETAIL**
 $\frac{1}{2}''=1'-0''$



③ **GPS DETAIL**
 $1''=6''$



④ **RRUS-11 DETAIL**
 $1''=1'-0''$ WEIGHT = 50LBS



⑤ **SURGE SUPPRESSOR DETAIL**
 $1''=1'-0''$

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DRAWN BY:		C. CODY	
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SHEET TITLE:
DETAILS
SHEET NUMBER:
A-8