SAN FRANCISCO
PLANNING DEPARTMENT

Executive Summary
Conditional Use Authorization
HEARING DATE: AUGUST 9, 2012

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

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

Date:	August 2, 2012
Case No.:	**2011.1005C**
Project Address:	**1801 Broadway Street**
Current Zoning:	RM-3 (Residential-Mixed, Medium Density) District 80-A Height and Bulk District
Block/Lot:	0577/001
Project Sponsor:	AT&T Mobility represented by Kelly Pepper. 100 Clement Street, 3rd Floor San Francisco, CA 94108
Staff Contact:	Michelle Stahlhut – (415) 575-9116 Michelle.Stahlhut@sfgov.org
Recommendation:	**Approval with Conditions**

PROJECT DESCRIPTION

The proposal is to install a macro wireless telecommunications service ("WTS") facility consisting of a maximum of four panel antennas located on the rooftop penthouse of the subject building along with equipment that would be located inside the building as part of AT&T Mobility's telecommunications network. The antennas are proposed on a Location Preference 7 Site (Disfavored Location Site) according to the WTS Siting Guidelines. The proposed antennas would measure a maximum of 55" high by 12" wide by 6" thick. All four antennas would be mounted directly to the penthouse of the subject building, with a maximum height of 102' above grade, matching the height of the penthouse. The associated equipment cabinets would be located in the garage of the subject building. An existing micro-cell "whip antenna" originally approved in 1998 located approximately 25 feet high at the Gough Street and Broadway Street will be removed.

SITE DESCRIPTION AND PRESENT USE

The building is located on Assessor's Block 0577, Lot 001 on the southwest corner of Broadway Street and Gough Street. This site is within the RM-3 Residential-Mixed, Medium Density Zoning District and an 80-A Height and Bulk District. The project site contains a six-story residential building. The subject building is on a lot with approximately 30 feet of frontage on Broadway Street and 110 feet on Gough Street.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The project site is located at the corner of Broadway and Gough Street in the Residential-Mixed, Medium Density. Nearby land uses along include a church directly to the south, and medium density and two-family residential uses in all other directions. The site is approximately three blocks west of the Polk Street NCD and three blocks south of the Union Street NCD.

The site is approximately six blocks east of the Castro NCD and is included in the Market-Octavia specific plan.

ENVIRONMENTAL REVIEW

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

HEARING NOTIFICATION

TYPE	REQUIRED PERIOD	REQUIRED NOTICE DATE	ACTUAL NOTICE DATE	ACTUAL PERIOD
Classified News Ad	20 days	July 20, 2012	July 20, 2012	20 days
Posted Notice	20 days	July 20, 2012	July 20, 2012	20 days
Mailed Notice	20 days	July 20, 2012	July 20, 2012	20 days

PUBLIC COMMENT

- As of August 2, 2012, the Department has received one e-mail opposed to the project based on concerns regarding impact on visibility of the antennas, property values, and radiation.

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.
- An updated Five Year Plan with approximate longitudinal and latitudinal coordinates of proposed locations, including the subject site is on file with the Planning Department.
- All required public notifications were conducted in compliance with the City's code and policies.

REQUIRED COMMISSION ACTION

Pursuant to Section 209.6(c) of the Planning Code, Conditional Use authorization is required for a WTS facility in RM-3 Districts.

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 and Resolutions No. 16539 and No. 18523 supplementing the 1996 WTS Guidelines.

- The project site is considered a Location Preference 7, (RM-3 (Residential, Mixed) Medium Density District according to the Wireless Telecommunications Services (WTS) Siting 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 subject 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 will provide coverage in an area that currently experiences several 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 proposed antennas will be minimally visible when viewed from adjacent rights-of-way and points further away so as to avoid intrusion into public vistas, avoid disruption of the architectural integrity of building and insure harmony with neighborhood character.
- The proposed project has been reviewed by staff and found to be categorically exempt from further environmental review. The proposed changes to the subject building do not result in a significant impact on the resource. The proposed antenna project is categorically exempt from further environmental review pursuant to the Class 3 exemptions of California Environmental Quality Act.
- A Five Year Plan with approximate longitudinal and latitudinal coordinates of proposed locations, including the subject site, was submitted.
- All required public notifications were conducted in compliance with the City's code and policies.

RECOMMENDATION:	**Approval with Conditions**

☒ Executive Summary	☒ Project sponsor submittal
☒ Draft Motion	Drawings: Proposed Project
☒ Zoning District Map	☒ Check for legibility
☐ Height & Bulk Map	☒ Photo Simulations
☒ Parcel Map	☒ Coverage Maps
☒ Sanborn Map	☒ RF Report
☒ Aerial Photo	☒ DPH Approval
☒ Context Photos	☒ Community Outreach Report
☒ Site Photos	☒ Independent Evaluation

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

SAN FRANCISCO
PLANNING DEPARTMENT

Subject to: (Select only if applicable)

☐ Affordable Housing (Sec. 415)
☐ Jobs Housing Linkage Program (Sec. 413)
☐ Downtown Park Fee (Sec. 412)
☐ First Source Hiring (Admin. Code)
☐ Child Care Requirement (Sec. 414)
☐ Other

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

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

Planning Commission Motion No. XXXX

HEARING DATE: AUGUST 9, 2012

Date:	August 2, 2012
Case No.:	**2011.1005C**
Project Address:	**1801 Broadway St**
Current Zoning:	RM-3 (Residential- Mixed, Medium Density) District 80-A Height and Bulk District
Block/Lot:	0577/001
Project Sponsor:	AT&T Mobility represented by Kelly Pepper, Town Consulting, Inc. 100 Clement Street, 3rd Floor San Francisco, CA 94108
Staff Contact:	Michelle Stahlhut – (415) 575-9116 Michelle.stahlhut@sfgov.org

ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTION 303(c) and 209.6(c) TO INSTALL A WIRELESS TELECOMMUNICATIONS SERVICE FACILITY CONSISTING OF UP TO FOUR PANEL ANTENNAS LOCATED ON THE ROOFTOP PENTHOUSE OF AN EXISTING RESIDENTIAL BUILDING ALONG WITH EQUIPMENT LOCATED INSIDE THE BUILDING AS PART OF AT&T'S WIRELESS TELECOMMUNICATIONS NETWORK WITHIN THE RM-3 (RESIDENTIAL-MIXED, MEDIUM DENSITY DISTRICT) ZONING DISTRICT AND AN 80-A HEIGHT AND BULK DISTRICT.

PREAMBLE

On September 6, 2011, AT&T Mobility (hereinafter "Project Sponsor"), made an application (hereinafter "application"), for Conditional Use Authorization on the property at 1801 Broadway Street, Lot 001 in Assessor's Block 0577, (hereinafter "project site") to install a wireless telecommunications service facility consisting of up to four panel antennas located on the existing rooftop penthouse of an existing residential building along with associated equipment located inside the building as part of AT&T's wireless telecommunications network within the RM-3 (Residential-Mixed, Medium Density) Zoning District and an 80-A 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 Commission has reviewed and concurs with said determination. The categorical exemption and all pertinent documents may be

found in the files of the Planning Department (hereinafter "Department"), as the custodian of records, at 1650 Mission Street, San Francisco.

On August 9, 2012, 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. 2011.1005C, 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 building is located on Assessor's Block 0577, Lot 001 on the southwest corner of Broadway Street and Gough Street. This site is within the RM-3 (Residential-Mixed, Medium Density) Zoning District and an 80-A Height and Bulk District. The project site contains a six-story residential building. The subject building is on a lot with approximately 30 feet of frontage on Broadway Street and 110 feet on Gough Street. There is an existing legal micro-cell "whip antenna" located approximately 25 feet high on the Broadway Street and Gough Street corner of the building.

3. **Surrounding Properties and Neighborhood**. The project site is located at the corner of Broadway and Gough Street in the Residential- Mixed, Medium Density. Nearby land uses along include a church directly to the south, and medium density and two-family residential uses in all other directions. The site is approximately three blocks west of the Polk Street NCD and three blocks south of the Union Street NCD.

4. **Project Description.** The proposal is to install a macro wireless telecommunications service ("WTS") facility consisting of a maximum of four panel antennas located on the rooftop penthouse of the subject building along with equipment that would be located inside the building as part of AT&T Mobility's telecommunications network. The antennas are proposed on a Location Preference 7 Site (Disfavored Location Site) according to the WTS Siting Guidelines. The proposed antennas would measure a maximum of 55" high by 12" wide by 6" thick. All four antennas would be mounted directly to the penthouse of the subject building, with a maximum height of 102' above grade, matching the height of the penthouse. The associated equipment

cabinets would be located in the garage of the subject building. The existing micro-cell "whip antenna" will be removed from the corner of the building.

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

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

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

   Section 8.1 of the WTS Siting Guidelines further stipulates that the Planning Commission may not approve WTS applications for Preference 7 (Disfavored Site) unless the application (a) shows what publicly-used building, co-location site or other Preferred Location Sites are located within the geographic service area; (b) shows by clear and convincing evidence what good faith efforts and measures to secure these Preferred Location Sites were taken; (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.

On August 9, 2012, the Commission conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use authorization pursuant to Planning Code Section 209.6(c) to install a wireless telecommunications facility consisting of up to nine panel antennas on the face of an existing residential building along with equipment located in the garage as part of AT&T's wireless telecommunications network.

6. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of buildings for the siting of wireless telecommunications facilities. Under the *Guidelines*, the Project is a Location Preference Number 7, as the project site is located in the RM-3 (Residential, Mixed Medium Density) District.

7. **Alternative Site Analysis.** Although the project site is considered a Location Preference 7, (Disfavored Site), the project sponsor has submitted an alternative site analysis and has determined the subject site to be the most viable site to serve the geographic service area.

8. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network will transmit calls by radio waves operating in the 1710 - 2170 Megahertz (MHZ) bands, which is regulated by the Federal Communications Commission (FCC) and must comply with the FCC-adopted health and safety standards for electromagnetic radiation and radio frequency radiation.

9. **Radiofrequency (RF) Emissions:** The project sponsor retained Hammett & Edison, Inc., a radio engineering consulting firm, to prepare a report describing the expected RF emissions from the proposed facility. Pursuant to the *Guidelines*, the Department of Public Health reviewed the report and determined that the proposed facility complies with the standards set forth in the Guidelines.

10. **Department of Public Health Review and Approval.** The proposed project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Existing RF levels at ground level were approximately 1% of the FCC public exposure limit. There were no other antennas observed within 100 feet of this site. AT&T Mobility proposes to remove two existing microcell antennas and install four new panel antennas. The antennas will be mounted at a height of approximately 102 feet above the ground. The estimated ambient RF field from the proposed AT&T Mobility transmitters at ground level is calculated to be 0.033 mW/sq. cm., which is 4.4% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 58 feet which includes the areas of the roof but does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish, and Chinese. Workers should not have access to within 20 feet of the front of the antennas while in operation.

11. **Coverage and Capacity Verification.** The maps, data, and conclusion provided by AT&T to demonstrate need for coverage and capacity have been determined by an independent third party to accurately represent the carrier's present and post-installation conclusions.

12. **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.

13. **Community Outreach.** Per the *Guidelines*, the Project Sponsor held a Community Outreach Meeting for the proposed project. The meeting was held at 7:00 p.m. on October 26, 2011 at the Old First Presbyterian Church, Fellowship Hall at 1751 Sacramento Street. Five members of the community attended the meeting. General questions were raised about the design, the planning process, EMF levels and compliance, and how the projected radio frequency levels would affect those living in the building.

14. **Five-year plan:** Per the *Guidelines*, the project sponsor submitted its latest five-year plan, as required, in April 2012.

15. **Public Comment.** As of August 2, 2012, the Department has received one e-mail opposed to the project based on concerns regarding impact on visibility of the antennas, property values, and radiation.

16. **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(c), a Conditional Use authorization is required for the installation of other public uses such as wireless transmission facilities.

17. **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 1801 Broadway Street will be 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 approval of this authorization has been found, to insure public safety, and insure that 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, avoid disruption of the architectural design integrity of buildings and insure

harmony with neighborhood character. The project has been reviewed and determined to not cause the removal or alteration of any significant architectural features on 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 be able to have proper data capacity. It is necessary for San Francisco, as a leader in technology, to have adequate capacity.

The proposed project at 1801 Broadway 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 conclusive evidence that the subject property is the most viable location, based on factors including quality of coverage and aesthetics.

Although the project site is considered a Preference 7 (Disfavored Location Site) according to the WTS Siting Guidelines, the subject site has been determined to be the most viable site to serve the geographic service area through an alternative site analysis. The proposed coverage area will serve the vicinity bounded by Pacific Avenue, Broadway, Octavia, and Gough Streets, as indicated in the coverage maps. The alternative site analysis determined that there is no more preferred site in the area that could provide adequate service for the geographic area. The alternative site analysis examined eighteen sites in the service area that could potentially accommodate the WTS facility. The analysis revealed that the other proposed sites were not as desirable as the subject site for several reasons with the most common limiting factors being an obtrusive/incompatible site design and operability of the site. This facility will improve coverage and capacity in the project area, as well as to provide necessary facilities for emergency transmission and improved communication for the neighborhood, community and the region.

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 proposed 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 when 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 single 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;

Four antennas are proposed to be façade mounted on the rooftop penthouse located of the subject building. The proposed antennas will be painted to match the existing wall and blinders installed to mask mounting hardware and associated cables from nearby public rights-of-way.

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.

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

HOUSING ELEMENT

BALANCE HOUSING CONSTRUCTION AND COMMUNITY INFRASTRUCTURE

OBJECTIVE 12 – BALANCE HOUSING GROWTH WITH ADEQUATE INFRASTRUCTURE THAT SERVES THE CITY'S GROWING POPULATION.

POLICY 12.2 – Consider the proximity of quality of life elements, such as open space, child care, and neighborhood services, when developing new housing units.

POLICY 12.3 – Ensure new housing is sustainable supported by the City's public infrastructure systems.

The project will improve AT&T Mobility coverage and capacity in residential, commercial and recreational areas along primary transportation routes in San Francisco.

URBAN DESIGN

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 Project adequately "stealths" the proposed antennas on the penthouse of the building with the use of blinders, with the related equipment located within the building.

COMMERCE AND INDUSTRY ELEMENT

Objectives and Policies

OBJECTIVE 1:
MANAGE ECONOMIC GROWTH AND CHANGE TO ENSURE ENHANCEMENT OF THE TOTAL CITY LIVING AND WORKING ENVIRONMENT.

Policy 1:
Encourage development, which provides substantial net benefits and minimizes undesirable consequences. Discourage development, which has substantial undesirable consequences that cannot be mitigated.

Policy 2:
Assure that all commercial and industrial uses meet minimum, reasonable performance standards.

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

OBJECTIVE 2:
MAINTAIN AND ENHANCE A SOUND AND DIVERSE ECONOMIC BASE AND FISCAL STRUCTURE FOR THE CITY.

Policy 1:
Seek to retain existing commercial and industrial activity and to attract new such activity to the city.
Policy 3:
Maintain a favorable social and cultural climate in the city in order to enhance its attractiveness as a firm location.

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

OBJECTIVE 4:
IMPROVE THE VIABILITY OF EXISTING INDUSTRY IN THE CITY AND THE ATTRACTIVENESS OF THE CITY AS A LOCATION FOR NEW INDUSTRY.

Policy 1:
Maintain and enhance a favorable business climate in the City.

Policy 2:
Promote and attract those economic activities with potential benefit to the City.

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

VISITOR TRADE

OBJECTIVE 8 - ENHANCE SAN FRANCISCO'S POSITION AS A NATIONAL CENTER FOR CONVENTIONS AND VISITOR TRADE.

POLICY 8.3 - Assure that areas of particular visitor attraction are provided with adequate public services for both residents and visitors.

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

COMMUNITY SAFETY ELEMENT

Objectives and Policies

OBJECTIVE 3:
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.

19. **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.

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

The project would have no adverse impact 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 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 proposed antennas will be mounted on an existing rooftop penthouse and will not affect any character-defining features of the building. The antennas would be painted to match the existing façade with mounting hardware and cables shielded with blinders from select vantage points as viewed from the public right-of-way. By minimizing the visibility of the proposed antennas, the project would not significantly alter the subject building.

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

The Project will have no adverse impact on parks or open space, or their access to sunlight or vistas.

20. 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.

21. The Commission hereby finds that approval of the Determination of Compliance 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(c) and 303 to install up to nine panel antennas and associated equipment cabinets at the Project Site and as part of a wireless transmission network operated by AT&T Mobility on a Location Preference 7 (Disfavored Location Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within the RM-3 (Residential-Mixed, Medium Density) Zoning District and an 80-A Height and Bulk District and subject to the conditions of approval attached hereto as **Exhibit A**.

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.

I hereby certify that the foregoing Motion was adopted by the Planning Commission on **August 9, 2012**.

Linda Avery
Commission Secretary

AYES
NAYS:

ABSENT:

ADOPTED: August 9, 2012

EXHIBIT A

AUTHORIZATION

This authorization is for a Conditional Use Authorization under Planning Code Sections 209.6(c) and 303 to install a wireless telecommunications service facility consisting of up to nine panel antennas with related equipment, a Location Preference 7 (Disfavored Location Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, as part of AT&T's wireless telecommunications network within the RM-3 (Residential-Mixed, Medium Density) Zoning District and an 80-A Height and Bulk District.

RECORDATION OF CONDITIONS OF APPROVAL

Prior to the issuance of the building permit or commencement of use for the Project the Zoning Administrator shall approve and order the recordation of a Notice in the Official Records of the Recorder of the City and County of San Francisco for the subject property. This Notice shall state that the project is subject to the conditions of approval contained herein and reviewed and approved by the Planning Commission on **August 9, 2012** 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 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 .

DESIGN – COMPLIANCE AT PLAN STAGE

3. **Plan Drawings - WTS**. Prior to the issuance of any building or electrical permits for the installation of the facilities, the Project Sponsor shall submit final scaled drawings for review and approval by the Planning Department ("Plan Drawings"). The Plan Drawings shall describe:
   a. Structure and Siting. Identify all facility related support and protection measures to be installed. This includes, but is not limited to, the location(s) and method(s) of placement, support, protection, screening, paint and/or other treatments of the antennas and other appurtenances to insure public safety, insure compatibility with urban design, architectural and historic preservation principles, and harmony with neighborhood character.
   b. For the Project Site, regardless of the ownership of the existing facilities. Identify the location of all existing antennas and facilities; and identify the location of all approved (but not installed) antennas and facilities.
   c. Emissions. Provide a report, subject to approval of the Zoning Administrator, that operation of the facilities in addition to ambient RF emission levels will not exceed adopted FCC standards with regard to human exposure in uncontrolled areas.
      For information about compliance, contact the Case Planner, Planning Department at 415-575-9078, www.sf-planning.org .

4. **Screening - WTS.** To the extent necessary to ensure compliance with adopted FCC regulations regarding human exposure to RF emissions, and upon the recommendation of the Zoning Administrator, the Project Sponsor shall:
   a. Modify the placement of the facilities;
   b. Install fencing, barriers or other appropriate structures or devices to restrict access to the facilities;
   c. Install multi-lingual signage, including the RF radiation hazard warning symbol identified in ANSI C95.2 1982, to notify persons that the facility could cause exposure to RF emissions;
   d. Implement any other practice reasonably necessary to ensure that the facility is operated in compliance with adopted FCC RF emission standards.
   e. To the extent necessary to minimize visual obtrusion and clutter, installations shall conform to the following standards:
   f. Antennas and back up equipment shall be painted, fenced, landscaped or otherwise treated architecturally so as to minimize visual effects;
   g. Rooftop installations shall be setback such that back up facilities are not viewed from the street;
   h. Antennas attached to building facades shall be so placed, screened or otherwise treated to minimize any negative visual impact; and
   i. Although co location of various companies' facilities may be desirable, a maximum number of antennas and back up facilities on the Project Site shall be established, on a case by case basis, such that "antennae farms" or similar visual intrusions for the site and area is not created.

   For information about compliance, contact the Case Planner, Planning Department at 415-575-9078, www.sf-planning.org .

MONITORING - AFTER ENTITLEMENT

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

6. **Monitoring.** The Project requires monitoring of the conditions of approval in this Motion. The Project Sponsor or the subsequent responsible parties for the Project shall pay fees as established under Planning Code Section 351(e) (1) and work with the Planning Department for information about compliance.
   For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

7. **Revocation due to Violation of Conditions.** Should implementation of this Project result in complaints from interested property owners, residents, or commercial lessees which are not resolved by the Project Sponsor and found to be in violation of the Planning Code and/or the specific Conditions of Approval for the Project as set forth in Exhibit A of this Motion, the Zoning

Administrator shall refer such complaints to the Commission, after which it may hold a public hearing on the matter to consider revocation of this authorization.
For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

8. **Implementation Costs - WTS**.
   a. The Project Sponsor, on an equitable basis with other WTS providers, shall pay the cost of preparing and adopting appropriate General Plan policies related to the placement of WTS facilities. Should future legislation be enacted to provide for cost recovery for planning, the Project Sponsor shall be bound by such legislation.
   b. The Project Sponsor or its successors shall be responsible for the payment of all reasonable costs associated with implementation of the conditions of approval contained in this authorization, including costs incurred by this Department, the Department of Public Health, the Department of Technology, Office of the City Attorney, or any other appropriate City Department or agency. The Planning Department shall collect such costs on behalf of the City.
   c. The Project Sponsor shall be responsible for the payment of all fees associated with the installation of the subject facility, which are assessed by the City pursuant to all applicable law.
   For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

9. **Implementation and Monitoring - WTS**. In the event that the Project implementation report includes a finding that RF emissions for the site exceed FCC Standards in any uncontrolled location, the Zoning Administrator may require the Applicant to immediately cease and desist operation of the facility until such time that the violation is corrected to the satisfaction of the Zoning Administrator.
For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

10. **Project Implementation Report - WTS**. The Project Sponsor shall prepare and submit to the Zoning Administrator a Project Implementation Report. The Project Implementation Report shall:
   a. Identify the three dimensional perimeter closest to the facility at which adopted FCC standards for human exposure to RF emissions in uncontrolled areas are satisfied;
   b. Document testing that demonstrates that the facility will not cause any potential exposure to RF emissions that exceed adopted FCC emission standards for human exposure in uncontrolled areas.
   c. The Project Implementation Report shall compare test results for each test point with applicable FCC standards. Testing shall be conducted in compliance with FCC regulations governing the measurement of RF emissions and shall be conducted during normal business hours on a non-holiday weekday with the subject equipment measured while operating at maximum power.
   d. Testing, Monitoring, and Preparation. The Project Implementation Report shall be prepared by a certified professional engineer or other technical expert approved by the Department. At the sole option of the Department, the Department (or its agents) may monitor the performance of testing required for preparation of the Project Implementation Report. The cost of such monitoring shall be borne by the Project Sponsor pursuant to the condition related to the payment of the City's reasonable costs.

i. Notification and Testing. The Project Implementation Report shall set forth the testing and measurements undertaken pursuant to Conditions 2 and 4.

ii. Approval. The Zoning Administrator shall request that the Certification of Final Completion for operation of the facility not be issued by the Department of Building Inspection until such time that the Project Implementation Report is approved by the Department for compliance with these conditions.

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

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

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

12. **Installation - WTS.** Within 10 days of the installation and operation of the facilities, the Project Sponsor shall confirm in writing to the Zoning Administrator that the facilities are being maintained and operated in compliance with applicable Building, Electrical and other Code requirements, as well as applicable FCC emissions standards.
    For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

13. **Periodic Safety Monitoring - WTS.** The Project Sponsor shall submit to the Zoning Administrator 10 days after installation of the facilities, and every two years thereafter, a certification attested to by a licensed engineer expert in the field of EMR/RF emissions, that the facilities are and have been operated within the then current applicable FCC standards for RF/EMF emissions.
    For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, www.sfdph.org.

OPERATION

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

shall be made aware of such change. The community liaison shall report to the Zoning Administrator what issues, if any, are of concern to the community and what issues have not been resolved by the Project Sponsor.
For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

15. **Out of Service – WTS**. The Project Sponsor or Property Owner shall remove antennas and equipment that has been out of service or otherwise abandoned for a continuous period of six months.
For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

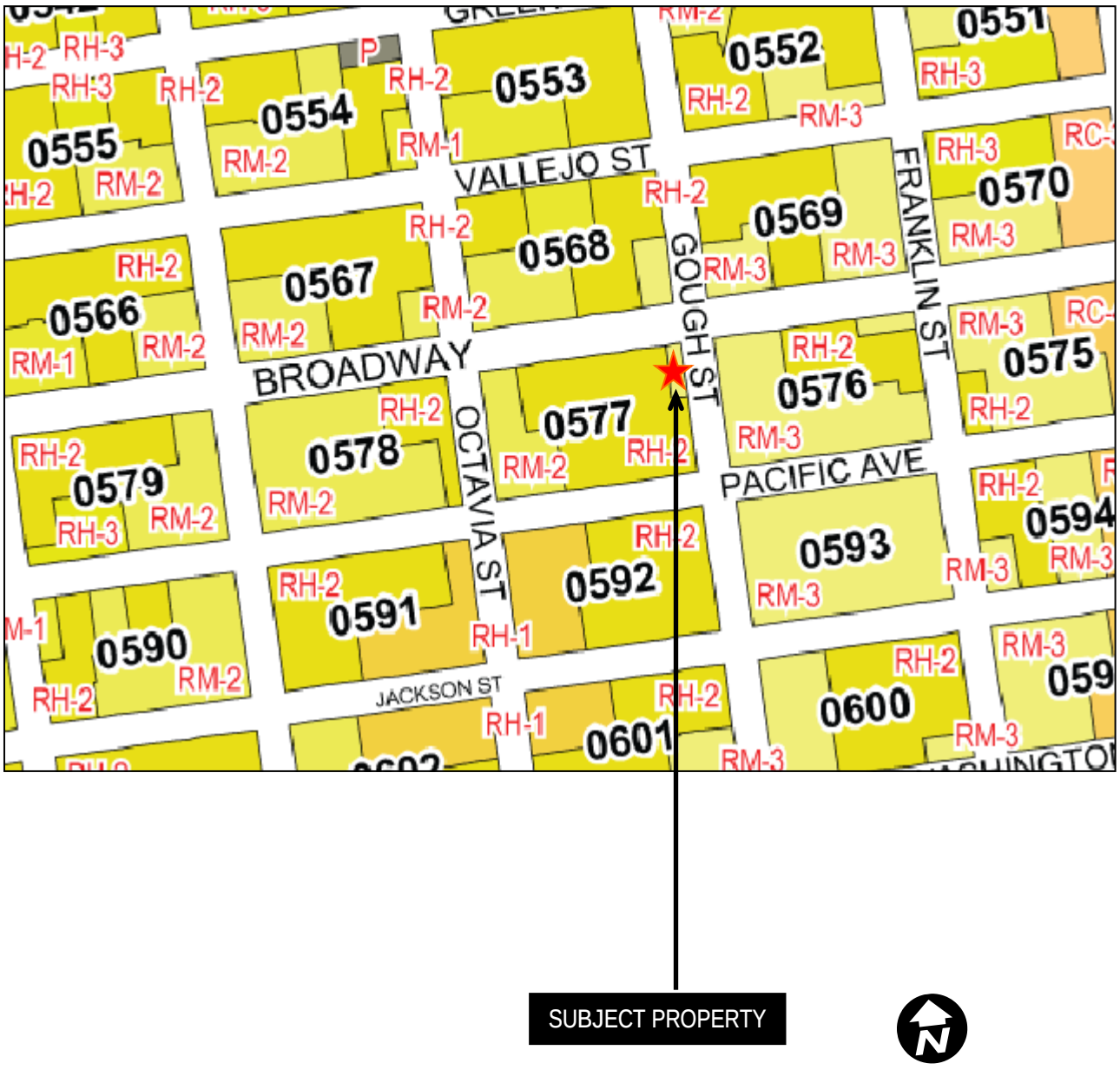
16. **Emissions Conditions – WTS**. It is a continuing condition of this authorization that the facilities be operated in such a manner so as not to contribute to ambient RF/EMF emissions in excess of then current FCC adopted RF/EMF emission standards; violation of this condition shall be grounds for revocation.
For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, www.sfdph.org.

17. **Noise and Heat – WTS**. The WTS facility, including power source and cooling facility, shall be operated at all times within the limits of the San Francisco Noise Control Ordinance. The WTS facility, including power source and any heating/cooling facility, shall not be operated so as to cause the generation of heat that adversely affects a building occupant.
For information about compliance, contact the Environmental Health Section, Department of Public Health at (415) 252-3800, www.sfdph.org.

18. **Transfer of Operation – WTS**. Any carrier/provider authorized by the Zoning Administrator or by the Planning Commission to operate a specific WTS installation may assign the operation of the facility to another carrier licensed by the FCC for that radio frequency provided that such transfer is made known to the Zoning Administrator in advance of such operation, and all conditions of approval for the subject installation are carried out by the new carrier/provider.
For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

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

Zoning Map



Case Number 2011.1005C
AT&T Mobility WTS Facility
1801 Broadway St

Aerial Photo

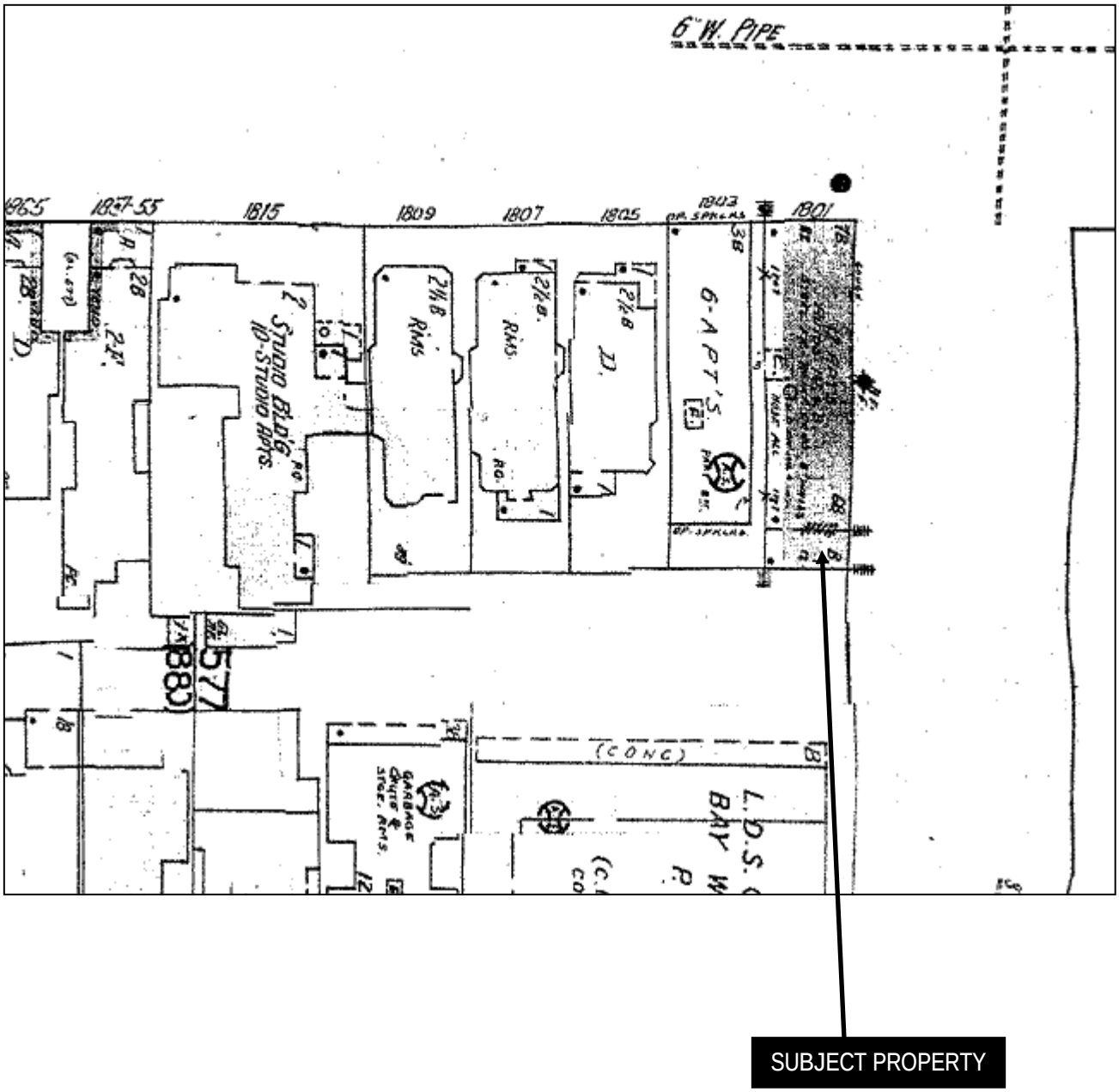
Case Number 2011.1005C
AT&T Mobility WTS Facility
1801 Broadway St

Parcel Map

SUBJECT PROPERTY

Case Number 2011.1005C
AT&T Mobility WTS Facility
1801 Broadway St

Sanborn Map*



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

Case Number 2011.1005C
AT&T Mobility WTS Facility
1801 Broadway St

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:

View of subject building

Southeast corner of Gough and Broadway Streets

Northeast corner of Gough and Broadway Streets

Northwest corner of Gough and Broadway Streets

Looking north on Gough Street

Looking south on Gough Street

Looking east along Broadway Street

Looking west along Broadway Street

Existing

Proposed

Photo simulation as seen looking north from Gough and Jackson

Prepared by:
05.30.2012
WW Design & Consulting, Inc.
1654 Candelero Court
Walnut Creek, CA 94598
info@photosims.com

at&t

CC4946 1801 Broadway
1801 Broadway, San Francisco, CA 94109

Existing

Proposed

Photo simulation as seen looking east from Broadway

Prepared by: **05.30.2012**

WW Design & Consulting, Inc.
1654 Candelero Court
Walnut Creek, CA 94598
info@photosims.com

at&t

CC4946 1801 Broadway
1801 Broadway, San Francisco, CA 94109

AT&T Mobility • Base Station Site No. CC4946G
1801 Broadway 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. CC4946G) located at 1801 Broadway 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
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 Rajat Mathur, P.E., a qualified engineer employed by Hammett & Edison, Inc., during normal business hours on December 8, 2011, 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 May 22, 2012.

Checklist

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

There were observed two omnidirectional antennas for use by AT&T installed on the northeast corner of the apartment building located at 1801 Broadway Street in San Francisco. 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 18 Isotropic Electric Field Probe (Serial No. C-0010). The meter and probe were under current calibration by the manufacturer.

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 antennas with four Andrew directional panel antennas – two Model DBNH-65654-VTM and two Model TBXLHB-6565A-R2M – mounted on the north and south sides of the stairwell penthouse above the roof of the building. The antennas would be mounted with up to 12° downtilt at an effective height of about 100½ feet above ground, 12 feet above the roof, and would be oriented in pairs (one of each) toward 160°T and 250°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 7,000 watts, representing simultaneous operation at 4,540 watts for PCS, 1,680 watts for cellular, and 780 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 proposed antennas to be installed as described in Item 4 above. There was noted a taller building to the southeast, located about 100 feet from the antennas.

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 0.033 mW/cm^2, which is 4.4% of the applicable public exposure limit. Ambient RF levels at the site are therefore estimated to be below 5.4% of the limit. The maximum calculated level at any nearby building is 11% of the public exposure limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 58 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 a barricade be erected, as shown in Figure 1 attached, to preclude public access in front of the south-facing antennas. To prevent occupational exposures in excess of the FCC guidelines, no access within 20 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 a "Worker Notification Area" with yellow stripes at the south end of the roof, as shown in Figure 1, and posting explanatory warning signs* at the roof access door and at 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, 2013. 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.

* Warning 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.

Conclusion

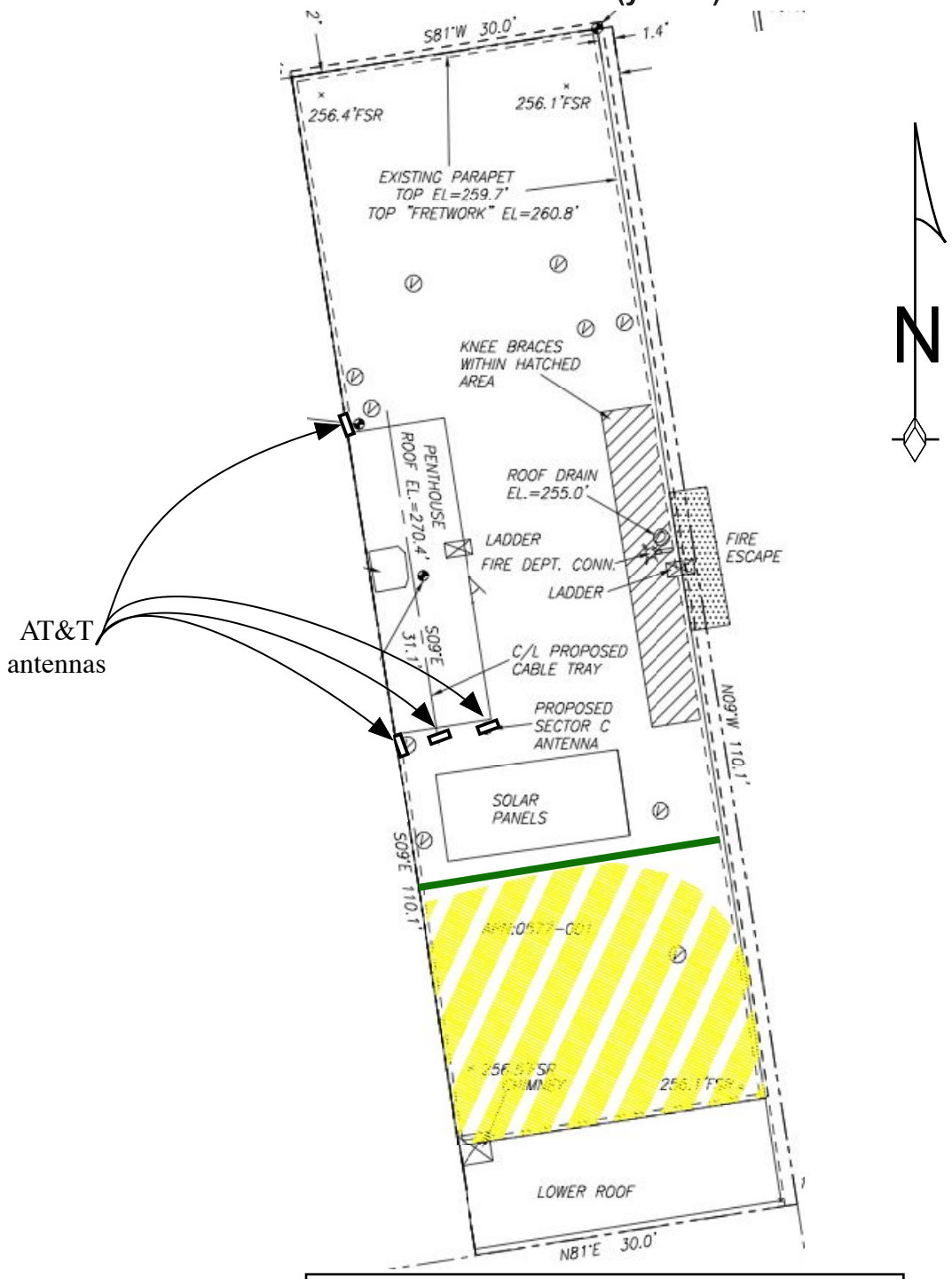
Based on the information and analysis above, it is the undersigned's professional opinion that the proposed operation of the AT&T Mobility base station located at 1801 Broadway in San Francisco, California, can comply with the prevailing standards for limiting public exposure to radio frequency energy 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 a barricade is recommended to establish compliance with public exposure limitations; marking a "Worker Notification Area" on the roof and posting explanatory signs is recommended to establish compliance with occupational exposure limitations.

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

June 12, 2012

AT&T Mobility • Base Station No. CC4946G
1801 Broadway Street • San Francisco, California

Suggested Location for Barricade (green) and for "Worker Notification Area" (yellow)



Notes:
Base drawing from Streamline Engineering and Design, Inc., dated May 22, 2012.
Barricade should be erected to preclude access by the public to areas in front of the antennas.
"Worker Notification Area" should be marked with yellow paint stripes, and explanatory warning signs should be posted outside the area, readily visible to authorized workers needing access. See text.

City and County of San Francisco
DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION

Edwin M. Lee, Mayor
Barbara A. Garcia, MPA, Director of Health
Rajiv Bhatia, MD, MPH, Director of EH

Review of Cellular Antenna Site Proposals

Project Sponsor : *AT&T Wireless* **Planner:** *Michelle Stahlhut*

RF Engineer Consultant: *Hammett and Edison* **Phone Number:** *(707) 996-5200*

Project Address/Location: *1801 Broadway St*

Site ID: *98* **SiteNo.:** *CC4946G*

The following information is required to be provided before approval of this project can be made. These information requirements are established in the San Francisco Planning Department Wireless Telecommunications Services Facility Siting Guidelines dated August 1996.
In order to facilitate quicker approval of this project, it is recommended that the project sponsor review this document before submitting the proposal to ensure that all requirements are included.

X 1. The location of all existing antennas and facilities. Existing RF levels. (WTS-FSG, Section 11, 2b)

☑ Existing Antennas No Existing Antennas: **2**

X 2. The location of all approved (but not installed) antennas and facilities. Expected RF levels from the approved antennas. (WTS-FSG Section 11, 2b)

◉ **Yes** ○ **No**

X 3. The number and types of WTS within 100 feet of the proposed site and provide estimates of cumulative EMR emissions at the proposed site. (WTS-FSG, Section 10.5.2)

◉ **Yes** ○ **No**

X 4. Location (and number) of the Applicant's antennas and back-up facilities per building and number and location of other telecommunication facilities on the property (WTS-FSG, Section 10.4.1a)

X 5. Power rating (maximum and expected operating power) for all existing and proposed backup equipment subject to the application (WTS-FSG, Section 10.4.1c)

Maximum Power Rating: **7000** watts.

X 6. The total number of watts per installation and the total number of watts for all installations on the building (roof or side) (WTS-FSG, Section 10.5.1).

Maximum Effective Radiant: **7000** watts.

X 7. Preferred method of attachment of proposed antenna (roof, wall mounted, monopole) with plot or roof plan. Show directionality of antennas. Indicate height above roof level. Discuss nearby inhabited buildings (particularly in direction of antennas) (WTS-FSG, Section 10.41d)

X 8. Report estimated ambient radio frequency fields for the proposed site (identify the three-dimensional perimeter where the FCC standards are exceeded.) (WTS-FSG, Section 10.5) State FCC standard utilized and power density exposure level (i.e. 1986 NCRP, 200 $\mu w/cm^2$)

Maximum RF Exposure: **0.033** mW/cm^2. Maximum RF Exposure Percent: **4.4**

X 9. Signage at the facility identifying all WTS equipment and safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards. (WTS-FSG, Section 10.9.2). Discuss signage for those who speak languages other than English.

☑ Public_Exclusion_Area Public Exclusion In Feet: **58**

☑ Occupational_Exclusion_Area Occupational Exclusion In Feet: **20**

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 1986-NCRP **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 1801 Broadway 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 4 new antennas. The antennas are mounted at a height of about 101 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.033 mW/sq cm., which is 4.4 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 58 feet which includes areas of the rooftop. Barricades should be installed to prevent access to these areas. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Workers should not have access to within 20 feet of the front of the antennas while they are in operation. This area of the rooftop should be marked with yellow striping.

___ **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

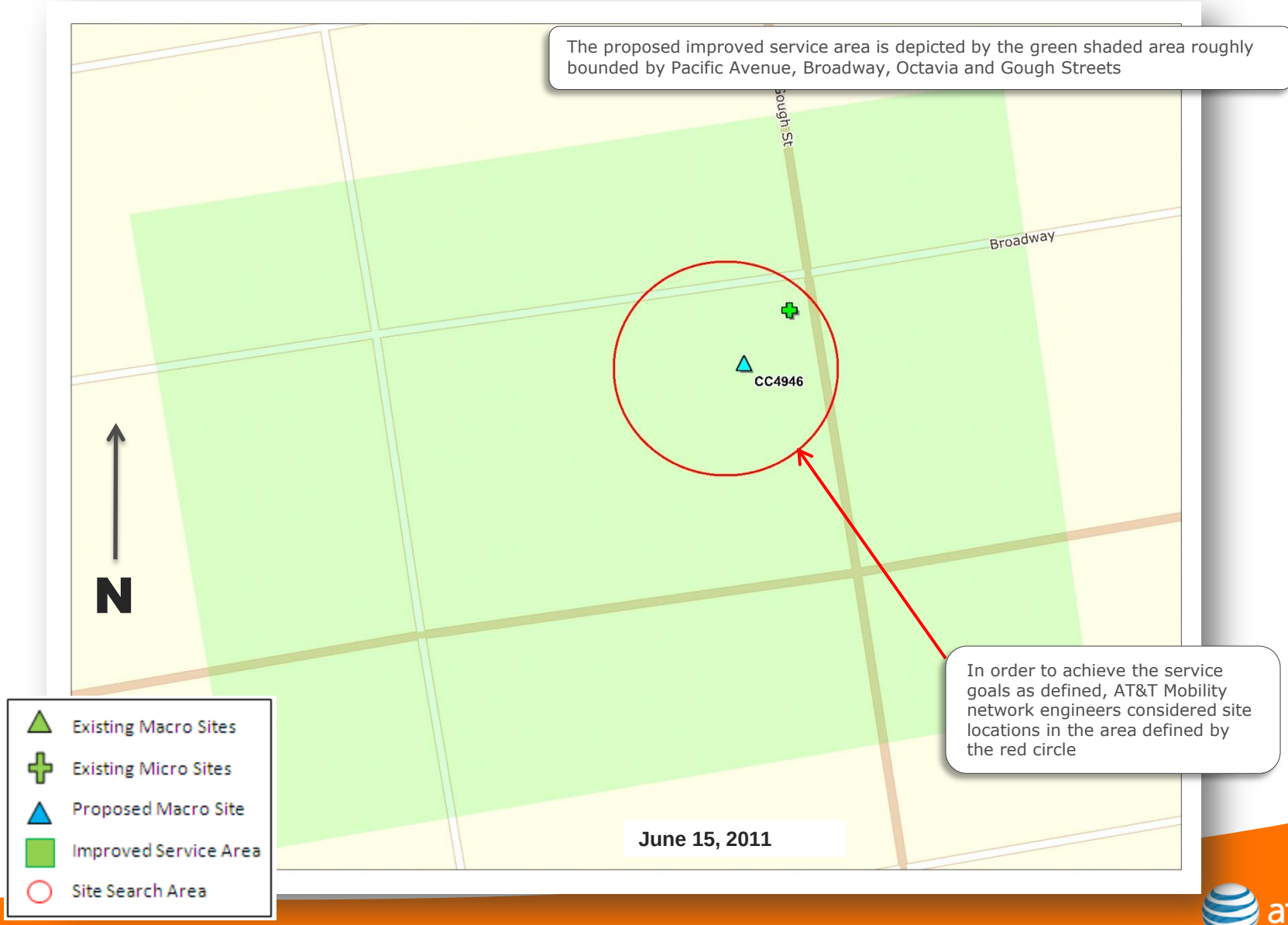
Charges to Project Sponsor (in addition to previous charges, to be received at time of receipt by S

Signed: Dated: 6/29/2012

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

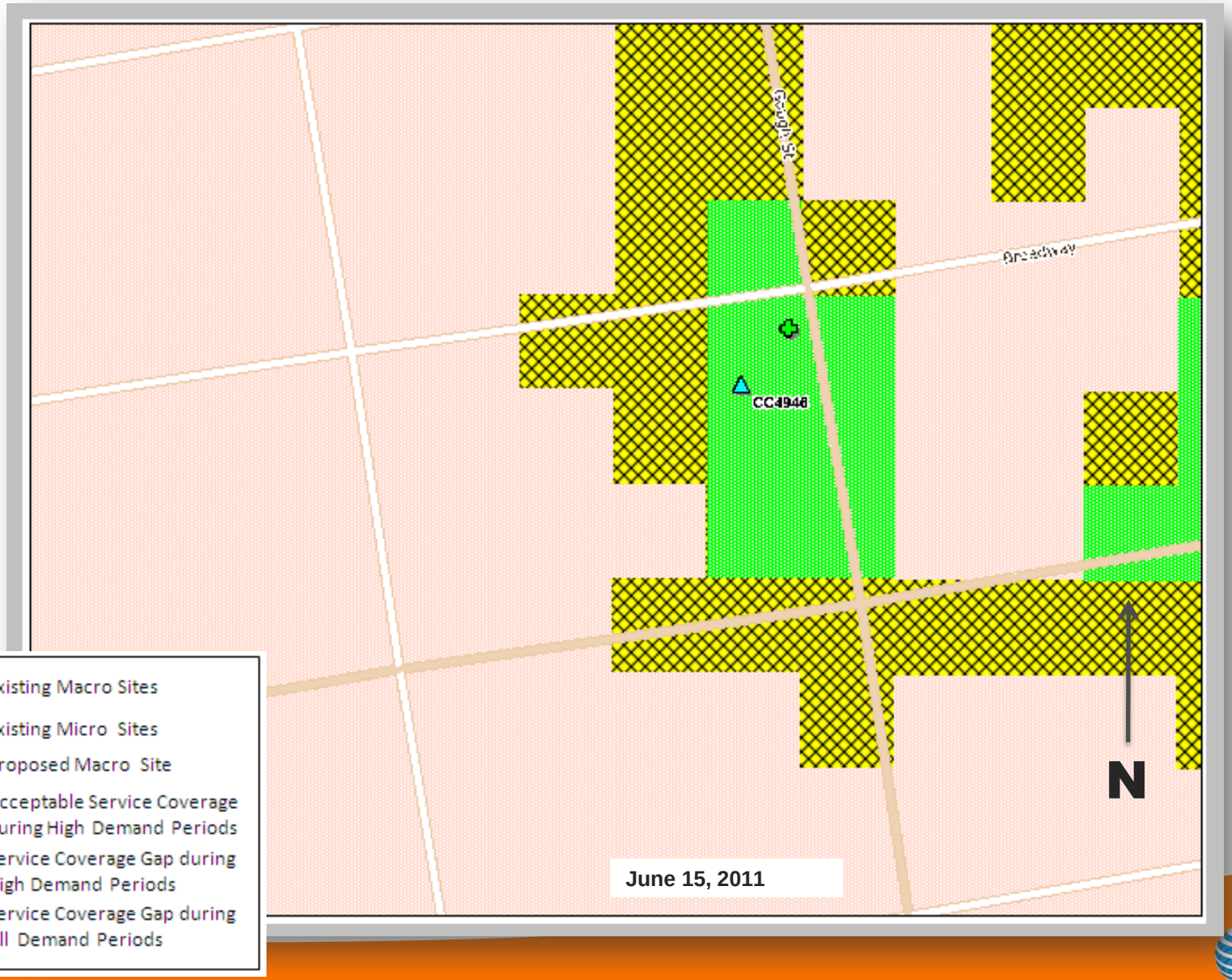
Service Enhancement Objective (CC4946)

1801 Broadway St



Proposed Site at 1801 Broadway St (CC4946)

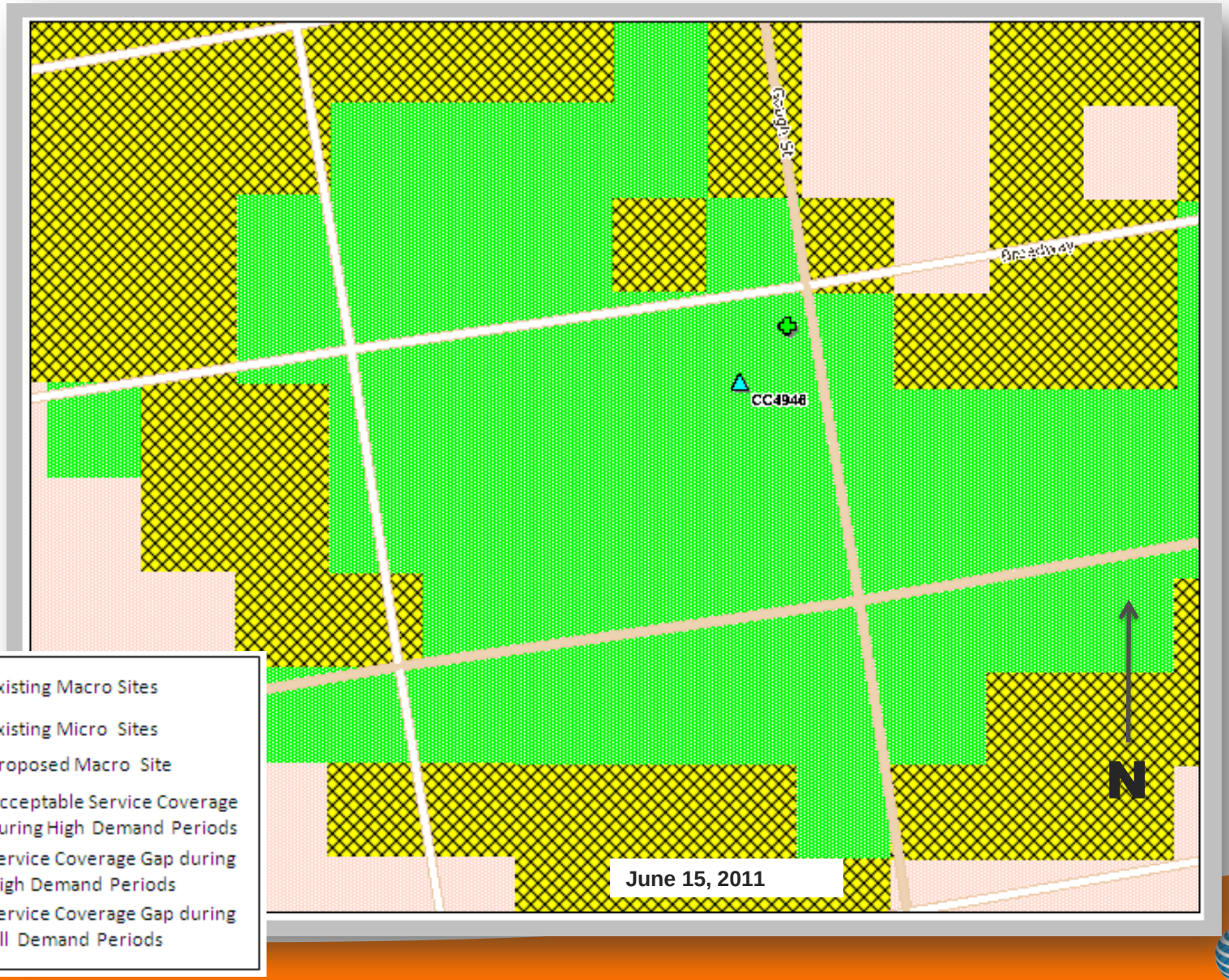
Service Area BEFORE site is constructed



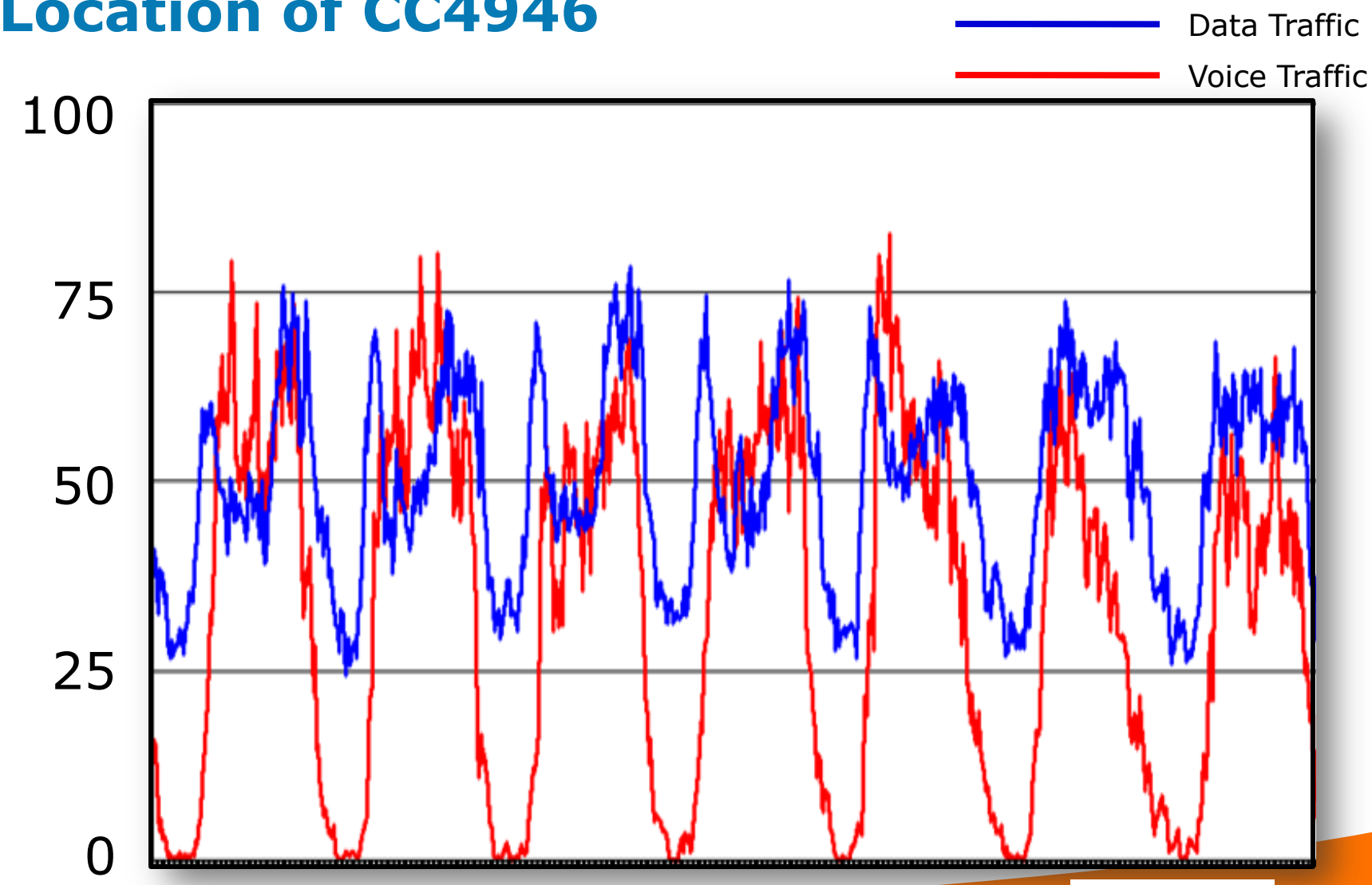
at&t

Proposed Site at 1801 Broadway St (CC4946)

Service Area AFTER site is constructed



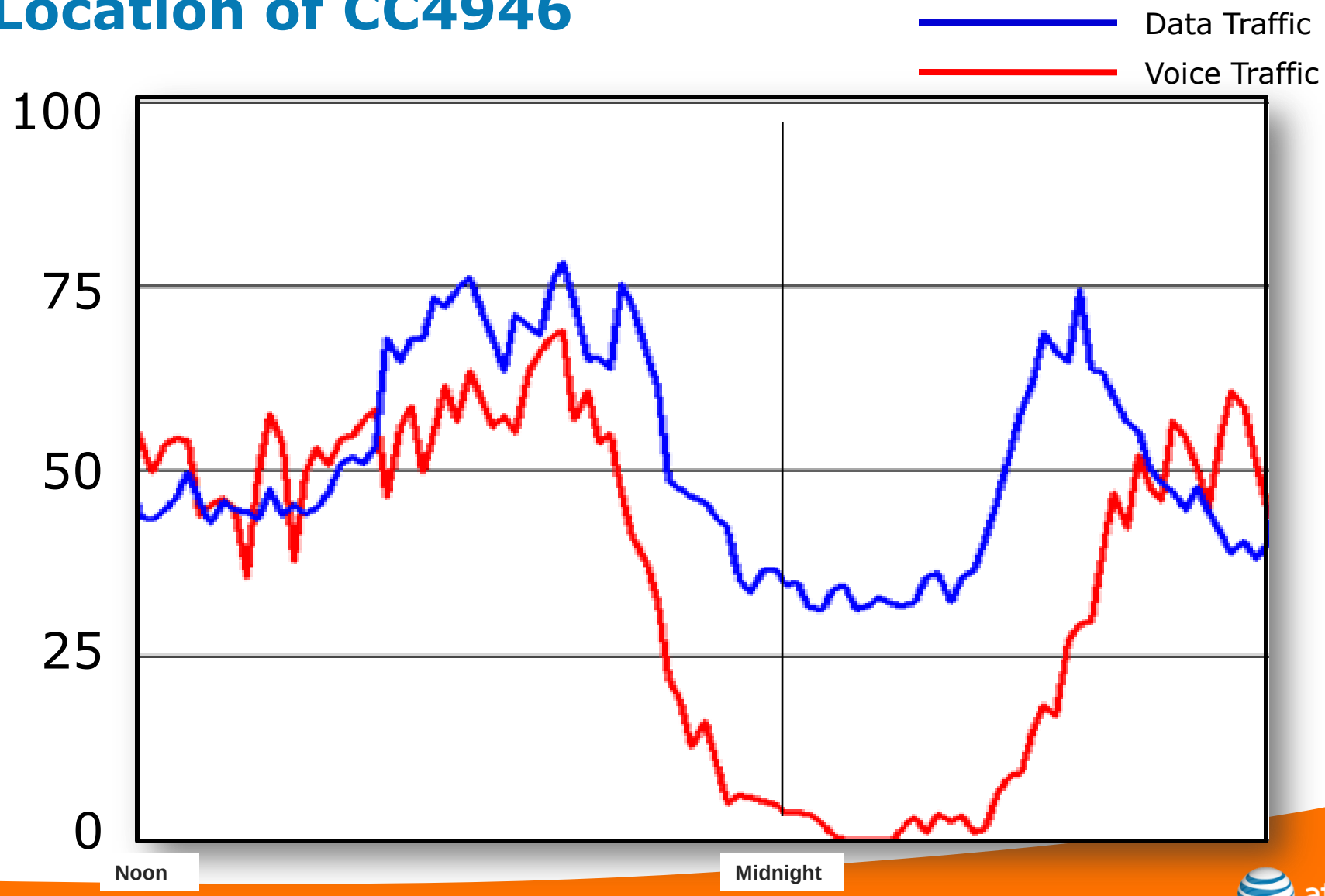
Current 7-Day Traffic Profile for the Location of CC4946



August 25, 2011

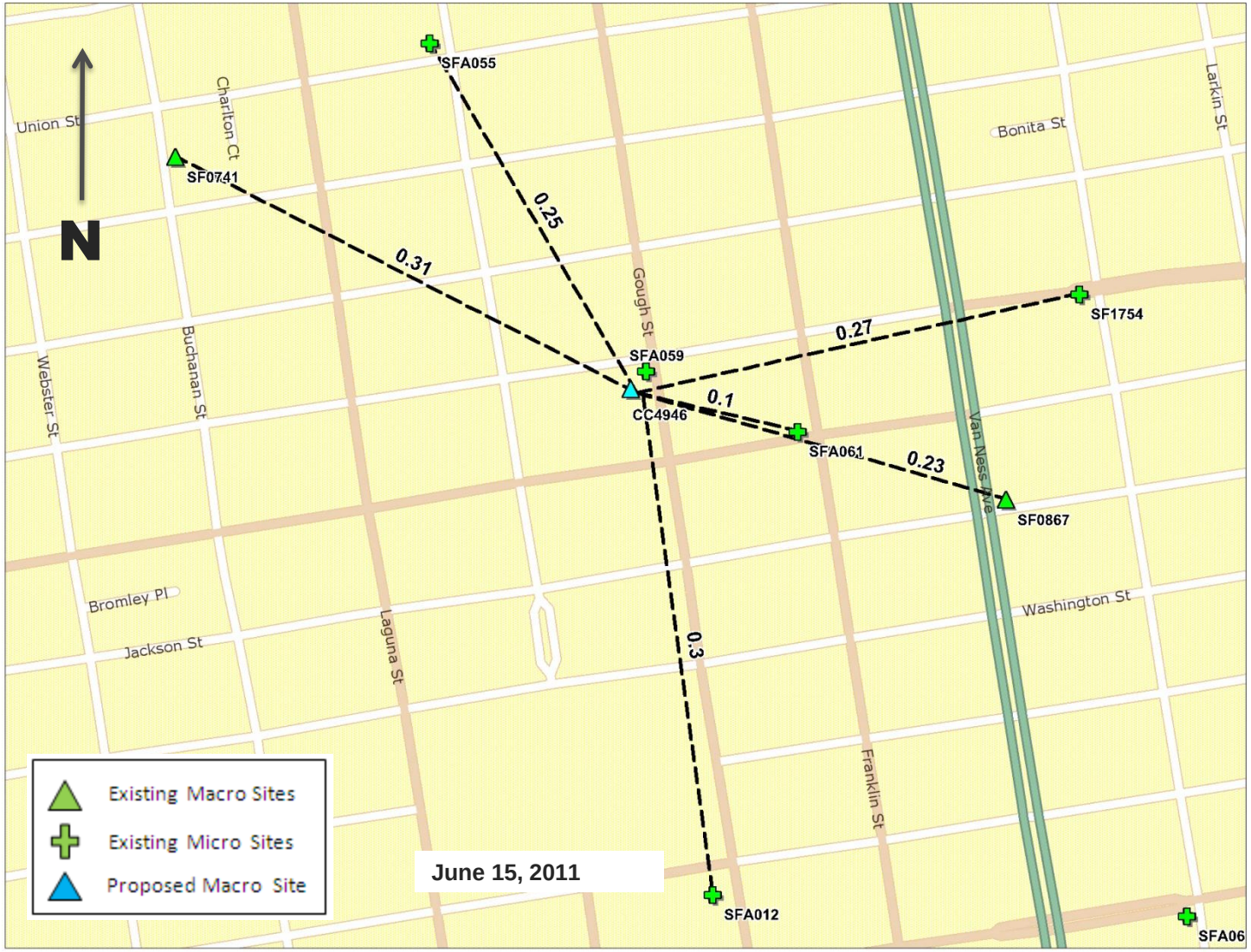
at&t

Current 24-Hour Traffic Profile for the Location of CC4946



Existing Surrounding Sites at 1801 Broadway St

CC4946



HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
BROADCAST & WIRELESS

WILLIAM F. HAMMETT, P.E.
DANE E. ERICKSEN, P.E.
STANLEY SALEK, P.E.
ROBERT P. SMITH, JR.
RAJAT MATHUR, P.E.
KENT A. SWISHER
ANDREA L. BRIGHT

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

BY E-MAIL MICHELLE.STAHLHUT@SFGOV.ORG

July 31, 2012

Ms. Michelle Stahlhut
Planning Department
1650 Mission Street, Suite 400
San Francisco, California 94103

Dear Michelle:

Our firm was selected to conduct the review required by the City of San Francisco of the coverage maps submitted by AT&T Mobility as part of its application package for proposed modifications to its existing base station located at 1801 Broadway Street (Site No. CC4946G). This is to fulfill the new 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 coverage.

AT&T had installed two omnidirectional antennas on the northeast corner of the apartment building located at 1801 Broadway Street in San Francisco. AT&T proposes to replace its existing antennas with four Andrew directional panel antennas – two Model DBNH-65654-VTM and two Model TBXLHB-6565A-R2M – mounted on the north and south sides of the stairwell penthouse above the roof of the building. The antennas would be mounted with up to 12° downtilt at an effective height of about 100½ feet above ground, 12 feet above the roof, and would be oriented in pairs (one of each) toward 160°T and 250°T. The maximum effective radiated power proposed by AT&T in any direction is 7,000 watts, representing simultaneous operation at 4,540 watts for PCS, 1,680 watts for cellular, and 780 watts for 700 MHz service.

AT&T submitted two pairs of coverage maps to the City, dated July 19, 2012, separately showing AT&T's cellular UMTS (850 MHz) and 4G LTE (700 MHz) coverage in the area both before and after the proposed modifications.

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

e-mail: **bhammett@h-e.com**
Delivery: **470 Third Street West • Sonoma, California 95476**
Telephone: **707/996-5200 San Francisco • 707/996-5280 Facsimile • 202/396-5200 D.C.**

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 available for current usage.

Further, as part of the application, AT&T provided a current 24-hour traffic profile for the site. The profile indicates that the highest data and voice traffic for this area occurs from about 5:30 PM to about 10:30 PM.

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 thresholds that AT&T uses to determine acceptable coverage are in line with industry standards, similar to the thresholds used by other wireless service providers.

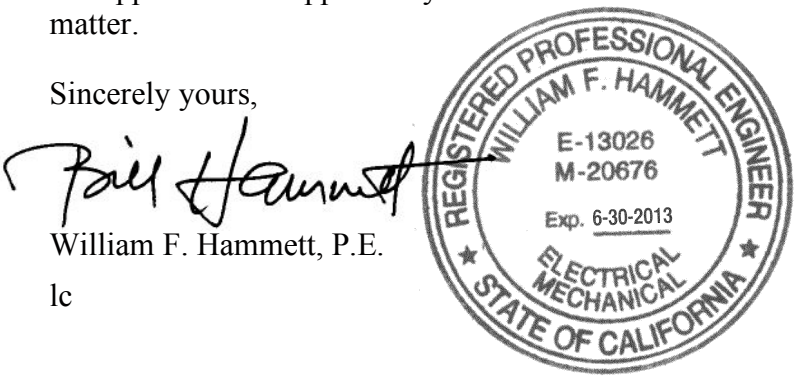
As a second step, we conducted our own drive test to measure the actual AT&T UMTS and 4G LTE signal strength in the vicinity of the proposed site. Our fieldwork was conducted on July 27, 2012, between 6:00 PM and 7:15 PM, during the peak traffic times as reported by AT&T.

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.

Both the UMTS and the 4G LTE measured data were found to be in good agreement with the AT&T coverage maps showing the service area before the proposed modifications. The maps submitted to show the after coverage with the proposed modifications to the existing base station at 1801 Broadway Street were prepared on the same basis as the maps of 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,



William F. Hammett, P.E.

lc

B. 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. The attached map shows the location of each of the alternatives that AT&T investigated.

Location Preference

Pursuant to the WTS guidelines, the proposed installation located at 1801 Broadway Street (The Subject Location) is a Preference 7 Location, in that the building is a multi-unit residential building located within the RM-3 zoning district.

Site Justification

The defined search ring is located in an area comprised of a mix of residential zoning districts. The RH-2 (Residential, House) district is characterized by one-and two- family houses that typically do not exceed 25 feet in height. The RM-3 (Residential, Mixed) district and is characterized by dense, multi-unit residential development, some of which exceeds 40 feet in height. The Subject Location is an eight-story multi-unit residential building, and location of the existing AT&T micro facility. The Subject Location is the least intrusive means to close the significant service coverage gap as it is the only building within the search ring where a wireless communication facility has already been established as a use, and which provides the required height and location required for an upgraded AT&T WTS facility to meet the defined service coverage objective. Upon approval of the proposed macro upgrade, AT&T will remove the existing micro facility consisting of unscreened, façade mounted omni antennas; resulting in an improved visual impact to the surrounding neighborhood.

The proposed installation includes the removal of the existing micro facility, and the installation of four panel antennas and associated RRUs on the roof of the existing building, mounted to existing rooftop penthouses, painted and textured to match the existing building. The associated equipment cabinets will be located within the garage of the Subject Location, not visible to the public.

1. Publicly-used structures:

Alternative Site Location A
1900 Pacific Avenue

This two-story building at 1900 Pacific Avenue is the Church of Jesus Christ Latter Day Saints. It is an institutional use in the RH-2 district and is a Preference 1 Location according to the WTS Guidelines. This building is located directly behind the subject property, uphill to the south. As a Preference 1 Location, AT&T contacted the landlord of this location and was informed that it is official policy of the Church to not lease space for WTS facilities at their properties, including this location. As a result, AT&T was not able to pursue this alternative as a potential candidate for the proposed WTS facility.

Additionally, as a two-story building, this building is surrounded by tall buildings to the south, particularly 1901 Pacific Avenue, directly south across the street, and does not provide the height required to provide adequate signal propagation to the defined service coverage area. Further, a WTS facility at this location would not provide adequate service coverage to Broadway Street, and therefore would be unable to fill the significant service coverage gap as defined. As an alternative unable to achieve AT&T's technological objectives and with an uninterested landlord, it was determined that this location was not a feasible alternative.

2. Co-Location Site: There were no co-location sites in the target area.

3. Industrial or Commercial Structures: There were no wholly commercial/industrial buildings in this area.

4. Industrial or Commercial Structures: There were no wholly commercial/industrial

buildings in this area.

5. Mixed-Use Buildings in High Density Districts: There were no mixed use buildings in this area.

6. Limited Preference Sites: There were no Limited Preference sites in target area, as it is all zoned RH-2, RM-2 and RM-3.

7. Disfavored Sites: The properties in the area surrounding the subject site are almost entirely residential. With the exception of one church, all properties contain wholly residential buildings in the RH-2, RM-2, and RM-3 districts, making them Location Preference 7 sites. Because the church, described above in Item 1, was uninterested in pursuing a lease for a WTS facility with AT&T and would not achieve the required technological objectives, AT&T looked at upgrading its existing micro facility at the subject location. The facility has been designed with the antennas having a minimal visual impact.

   It is the main objective of AT&T to upgrade existing WTS facilities in-place where possible, as it allows the removal of the existing micro facilities, and consolidation of the network as encouraged by the WTS Guidelines. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an *improved* visual impact to the surrounding neighborhood. Other alternatives examined are discussed below.

Alternative B
1790 Broadway Street

This five-story wholly residential building is in the RM-3 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and south and would therefore be unable to provide the signal propagation required to fill the significant service coverage gap as defined. In addition, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T microfacility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative C
1800 Broadway Street

This six-story wholly residential building is in the RM-3 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the south by the subject building and would therefore be unable to provide the signal propagation required to fill the significant service coverage gap as defined. As mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative D
1804 Broadway Street

This two-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and south and would therefore be unable to provide the signal propagation required to fill the significant service coverage gap as defined. Although not designated as an historic landmark, this building is well documented and listed on several historic resource surveys such as Here Today and the Department of City Planning 1976 Architectural Survey. In addition, the pitched roof of this building would make it difficult to integrate a rooftop WTS facility with minimal visual impact to the surrounding neighborhood. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative E
1801 – 1810 Broadway Street

This two-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and south and would therefore be unable to provide the signal propagation required to fill the significant service coverage gap as defined. Additionally, the pitched roof of this building would make it difficult to integrate a rooftop WTS facility with minimal visual impact to the surrounding neighborhood. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative F
1812 Broadway Street

This three-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and south and would therefore be unable to provide the signal propagation required to fill the significant service coverage gap as defined. Although not designated as an historic landmark, this building is well documented and listed on several historic resource surveys such as Here Today and the Department of City Planning 1976 Architectural Survey. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative G
1814 Broadway Street

This three-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and south and would therefore be unable to provide the signal propagation required to fill the significant service coverage gap as defined. In addition, as mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative H
1803 Broadway Street

This four-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and south and would therefore be unable to provide the signal propagation required to fill the significant service coverage gap as defined. In addition, as mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative I
1805 Broadway

This four-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and would be unable to provide the signal propagation required to fill the significant service coverage gap as defined. Additionally, the steeped pitched roof of this building would make it difficult to integrate a rooftop WTS facility with minimal visual impact to the surrounding neighborhood. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative J
1807 Broadway Street

This four-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and would be unable to provide the signal propagation required to fill the significant service coverage gap as defined. Additionally, the steeped pitched roof of this building would make it difficult to integrate a rooftop WTS facility with minimal visual impact to the surrounding neighborhood. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative K
1809 Broadway Street

This four-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and would be unable to provide the signal propagation required to fill the significant service coverage gap as defined. In addition, the gabled roof and dormer window would make it difficult to integrate a rooftop WTS facility with minimal visual impact, and would limit the opportunity to screen the antennas. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative L
1815 Broadway Street

This three-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the west and would be unable to provide the signal propagation required to fill the significant service coverage gap as defined. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative M
2336A Gough Street

This four-story wholly residential building is in the RM-3 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the south and to the west by the subject building and would be unable to provide the signal propagation required to fill the significant service coverage gap as defined. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative N and Alternative O
2336B Gough Street and 2312 Gough Street

This two-story wholly residential building and this three-story wholly residential building are the RM-3 district and are Location Preference 7 sites according to the WTS Guidelines. These buildings are blocked to the south and to the west by the subject building would be unable to provide the signal propagation required to fill the significant service coverage gap as defined. Although the building located 2312 Gough Street is not designated as an historic landmark, this building is well documented and listed on several historic resource surveys such as Here Today and the Department of City Planning 1976 Architectural Survey. Additionally, there are no existing rooftop features to allow integration of a rooftop WTS facility with minimal visual impact to the surrounding neighborhood.

As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative P
2340 Gough / 1896 Pacific Avenue

This ten-story wholly residential building is in the RM-3 district and is a Location Preference 7 according to the WTS Guidelines. This building is not ideally located given its overall height and higher elevation than the subject location as it would cause interference with adjacent facilities, therefore it would not meet AT&T's technological objectives. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative Q
1920 Pacific Avenue

This four-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the south and would be unable to provide the signal propagation required to fill the significant service coverage gap as defined. Additionally, there are no existing rooftop features to allow integration of a rooftop WTS facility with minimal visual impact to the surrounding neighborhood. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

Alternative R
1942 Pacific Avenue

This three-story wholly residential building is in the RH-2 district and is a Location Preference 7 according to the WTS Guidelines. This building is blocked to the south and would be unable to provide the signal propagation required to fill the significant service coverage gap as defined. Although not designated as an historic landmark, this building is well documented and listed on several historic resource surveys such as Here Today and the Department of City Planning 1976 Architectural Survey. As previously mentioned, AT&T does not typically pursue new Location Preference 7 sites. The Subject Location at 1801 Broadway Street was chosen because it has an existing AT&T micro facility that can be upgraded to achieve the service objective in the area, with minimal visual impact. If the modification to the existing site is approved, the existing micro facility consisting of façade-mounted omni whip antennas, will be decommissioned and removed, resulting in an improved visual impact.

TOWN
CONSULTING

November 6, 2011

Michelle Stahlhut
San Francisco Planning Department
1650 Mission Street, 4th Floor
San Francisco, CA 94103

Re: Case No. 2011.1005C
Community meeting for proposed AT&T Mobility facility at 1801 Broadway

Dear Ms. Stahlhut,

On October 26, 2011, AT&T Mobility held a community meeting regarding the proposed wireless facility at 1801 Broadway. The attached notification announced the community presentation that was held at the Old First Presbyterian Church, Fellowship Hall, at 1751 Sacramento Street, San Francisco, CA at 7:00 p.m. Notice of the meeting was mailed out on October 12, 2011 to 1,435 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 of AT&T's External Affairs and Luis Cuadra of Berg Davis Public Affairs. Bill Hammett with Hammett and Edison was there to answer any questions regarding the EMF emissions from the proposed wireless facility.

Five members of the community attended the meeting. General questions were raised about the design, the planning process, EMF levels and compliance, and how the projected radio frequency levels would affect those living in the building.

Please contact me if you have any questions or concerns.

Sincerely,

Tony Kim
Town Consulting Representing AT&T Mobility

Attachments:
Community Meeting Notice
Sign-In Sheet

100 Clement Street | 3rd Floor | San Francisco, CA 94118
tel 415.246.8855 | fax 415.480.1406

at&t

1801 Broadway Street Community Meeting
October 26, 2011

Name	Address	Phone/Email
Laura Ughetta	1801 Broadway #401 94109	Laura Coco1@hotmail.com
Brad Ughetta	"	"
CHRIS LINDSTROM	1801 BROADWAY, #101	
Sally Greenberg	1875 Pacific #501	sgtemail@aol.com
Tasco Estrada	1875 pacific #501	TascoEstrada@gmail.com
Alexis Ughetta		

From: Michelle Brant
To: michelle.stahlhut@sfgov.org
Subject: case no. 2011.1005C
Date: 07/21/2012 08:42 AM

July 21, 2012

We have received notice of intent by AT&T to place a facility on the penthouse of 1801 Broadway. We oppose this project based on each of the below reasons:

1. The aesthetics of the four antennas will be highly visible from the street both because (a) it is the beginning of a steep hill, and (b) Gough and Broadway is where cars are being routed by the new lighting system recently installed and by proposed changes to Van Ness traffic. Additionally, it has a negative aesthetic effect to the many homes within a one block radius that date from the 1890s-1915.

2. The placement of such antennas lowers property values in the immediate area, which contains several structures from the National Register of Historic Places: note - St. Brigid, the Octagon House, the house on the corner of Gough and Pacific. Additionally, there are well maintained homes dating back to the 1890s-1915 within a one block radius.

3. The radiation effect is negative in such a dense residential area.

Yours truly, Michelle Brant, 2435 Gough Street

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

To: Neighborhood Groups and Neighbors & Owners within 500' radius of 1801 Broadway

Meeting Information
Date: Wednesday, October 26, 2011
Time: 7:00 p.m.
Where: Old First Presbyterian Church
Fellowship Hall
1751 Sacramento Street
San Francisco, CA

Site Information
Address: 1801 Broadway
Block/Lot: 0577 / 001
Zoning: RM-3

Applicant
AT&T Mobility

Contact Information
AT&T Mobility Hotline
(415) 646-0972

AT&T Mobility is proposing a to modify an existing wireless communication facility at 1801 Broadway needed by AT&T Mobility as part of its San Francisco wireless network. The proposed modification to the existing AT&T Mobility site is an unmanned facility consisting of the installation of two (2) panel antennas. The antennas will be mounted and screened on the roof. The associated equipment would be located inside the existing garage, not visible to the public. 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, Fellowship Hall, on Wednesday October 26, 2011 at 7:00 p.m. to learn more about the project.

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

NOTE: If you require an interpreter to be present at the meeting, please contact our office at (415) 646-0972 no later than 5:00pm on Monday, October 24, 2011 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 PARA SU VECINDARIO

Para: Grupos del vecindario y vecinos y propietarios dentro de un radio de 500' de 1801 Broadway

Información de la reunión
Fecha: Miércoles, 26 de octubre de 2011
Hora: 7:00 p.m.
Dónde: Old First Presbyterian Church
Fellowship Hall
1751 Sacramento Street
San Francisco, CA

Información del lugar
Dirección: 1801 Broadway
Cuadra/Lote: 0577 / 001
Zonificación: RM-3

Solicitante
AT&T Mobility

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

AT&T Mobility propone modificar una instalación de comunicaciones inalámbricas existente en 1801 Broadway necesaria para AT&T Mobility como parte de su red inalámbrica en San Francisco. La modificación propuesta a la ubicación existente de AT&T Mobility es una instalación sin personal que consiste en la instalación de dos (2) antenas panel. Las antenas serán montadas y tapadas con pantallas en el techo. El equipo asociado se ubicará dentro del garaje existente, sin estar visible para el público. Habrá planos y fotos disponibles para que usted los revise en la reunión. Se lo invita a asistir a una reunión informativa de la comunidad que se realizará en Old First Presbyterian Church, Fellowship Hall, el miércoles 26 de octubre de 2011 a las 7:00 p.m. para tener más información sobre el proyecto.

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

NOTA: Si necesita que un intérprete esté presente en la reunión, por favor, contacte a nuestra oficina al (415) 646-0972 antes del lunes 24 de octubre de 2011 a las 5:00 p.m., y haremos todos 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：Broadway 大道 1801 號周圍五百英尺內的居民組織、居民和業主

會議資訊
日期： 2011 年 10 月 26 日（星期三）
時間： 下午 7:00
地點： 加利福尼亞州三藩市Sacramento街1751號Old First Presbyterian Church的Fellowship Hall

設施地點資訊
地址：Broadway 大道 1801 號
街區 / 地段：0577/001
分區：RM-3

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 公司計畫變更位於 Broadway 大道 1801 號的一座現有的無線通訊設施，作為 AT&T Mobility 公司在三藩市無線網路的一部分。計畫中變更後的該現有 AT&T Mobility 站將成為無人操作設施，需要安裝兩(2) 根平板天線。這些天線將被安裝在屋頂，並被遮罩起來。相關設備將被放置在現有的車庫內，公眾從外面看不到這些設備。我們在會上將提供計畫書和類比圖片供您參考。我們誠邀您參加定於 2011 年 10 月 26 日（星期三）下午 7:00 在 Old First Presbyterian Church 的 Fellowship Hall 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規劃員Michelle Stahlhut 聯繫。

注意：如果您需要一名翻譯陪同您出席會議，請在不晚於 2011 年 10 月 24 日（星期一）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。

at&t

1801 BROADWAY
1801 BROADWAY
SAN FRANCISCO, CA 94109
CC4946

PROJECT DESCRIPTION

A MODIFICATION TO AN (E) UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF REMOVING (2) (E) OMNI ANTENNAS & ADDING (4) (P) 19" RACKS W/ (8) (P) 6601 RBS UNITS, (2) (P) 2111 RBS UNITS, A (P) ARGUS DC POWER SYSTEM, (4) (P) AT&T ANTENNAS, (20) (P) RRU'S, (2) (P) GPS ANTENNAS, & (P) CONDUIT FOR FIBER & DC POWER.

PROJECT INFORMATION

SITE NAME:	1801 BROADWAY	SITE #:	CC4946
COUNTY:	SAN FRANCISCO	JURISDICTION:	CITY OF SAN FRANCISCO
BLOCK/LOT:	0577-001	POWER:	PG&E
SITE ADDRESS:	1801 BROADWAY SAN FRANCISCO, CA 94109	TELEPHONE:	AT&T
CURRENT ZONING:	RM-3		
CONSTRUCTION TYPE:	V		
OCCUPANCY TYPE:	U, (UNMANNED COMMUNICATIONS FACILITY)		
HEIGHT / BULK:	XX-X		
PROPERTY OWNER:	AIMEE EXNICIOS, MILLICENT JACOBS, TRUSTEES 3217 SHELTER CREEK LN SAN BRUNO, CA 94066		
APPLICANT:	AT&T 430 BUSH ST, 5TH FLOOR SAN FRANCISCO, CA 94108		
LEASING CONTACT:	ATTN: (---)		
ZONING CONTACT:	ATTN: (---)		
CONSTRUCTION CONTACT:	ATTN: ERICK RIVERA SAENZ (415) 254-4725		
POWER/TELCO CONTACT:	ATTN: AL TAPIN (415) 774-1331		
LATITUDE: LONGITUDE:	N 37° 47' 42.26" NAD 83 W 122° 25' 36.68" NAD 83		
AMSL:	± 167.6'		

VICINITY MAP

DRIVING DIRECTIONS

FROM: 430 BUSH STREET, 5TH FLOOR, SAN FRANCISCO, CA 94108
TO: 1801 BROADWAY, SAN FRANCISCO, CA 94109

1. HEAD EAST ON BUSH ST TOWARD CLAUDE LN.	210 FT
2. TURN LEFT ONTO KEARNY ST.	344 FT
3. TAKE THE 1ST LEFT ONTO PINE ST.	1.1 MI
4. TURN RIGHT ONTO FRANKLIN ST.	0.4 MI
5. TURN LEFT ONTO BROADWAY.	0.1 MI

END AT: 1801 BROADWAY, SAN FRANCISCO, CA 94109

ESTIMATED TIME: 8 MINUTES ESTIMATED DISTANCE: 1.7 MILES

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:

1. 2010 CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLES 24 & 25)
2. 2010 CALIFORNIA BUILDING CODE
3. 2010 CALIFORNIA ELECTRICAL CODE
4. 2010 CALIFORNIA MECHANICAL CODE
5. 2010 CALIFORNIA PLUMBING CODE
6. 2010 CITY OF SAN FRANCISCO FIRE CODE
7. LOCAL BUILDING CODES
8. CITY/COUNTY ORDINANCES
9. ANSI/EIA-TIA-222-G

ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE TITLE 24 PART 2, SECTION 1134B.2.1, EXCEPTION 4

SHEET INDEX

APPROVAL

RF

LEASING

ZONING

CONSTRUCTION

AT&T

ERICSSON

1801 BROADWAY

CC4946
1801 BROADWAY
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	03/13/12	ZD 90%	J.S.
	04/20/12	ZD 100%	J.S.
	05/22/12	CLIENT REV	C.M.
	-	-	-
	-	-	-
	-	-	-

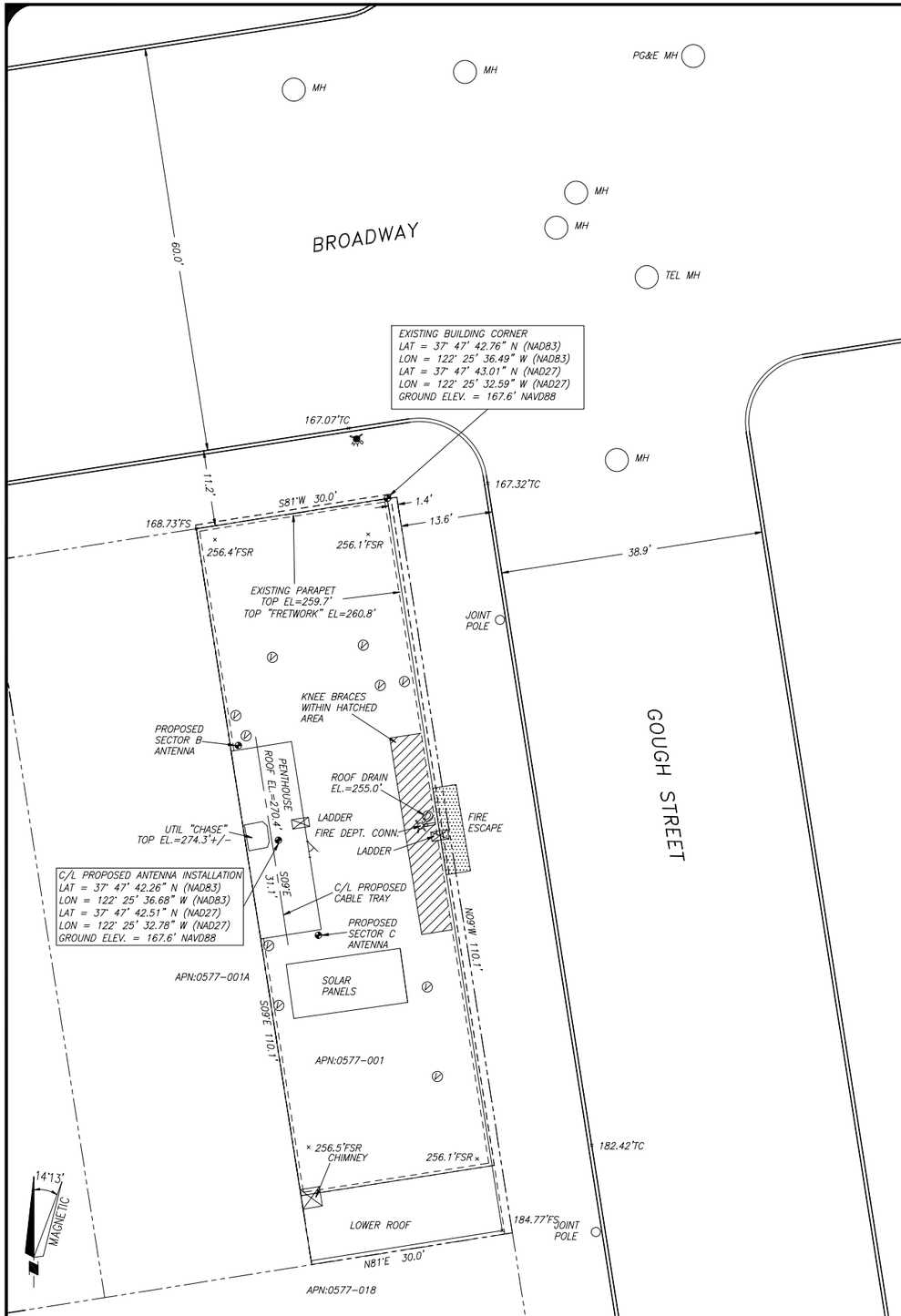
DRAWN BY:	J. SMITH
CHECKED BY:	J. GRAY
APPROVED BY:	-
DATE:	05/22/12

Streamline Engineering and Design, Inc.
3268 Penryn Rd, Suite 200 Loomis, CA 95650
Contact: Larry Houghtby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

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

SHEET TITLE:
TITLE

SHEET NUMBER:
T-1



ROOFTOP / TOPOGRAPHIC SURVEY
1"=10'

LEGEND

PROPERTY LINE	
FLOW LINE	
TEL	TELEPHONE LINE
E	ELECTRIC LINE
E&T	ELECTRIC AND TELEPHONE LINES
×	FENCE
	FIRE HYDRANT
	GUY WIRE
	STREET SIGN
	STREET LIGHT
	WATER VALVE
FS	FINISH SURFACE
FL	FLOW LINE
FSR	FINISH SURFACE ROOF
TC	TOP OF CURB
BFC	BOTTOM FACE OF CURB
TW	TOP OF WALL
BW	BOTTOM OF WALL
TBW	TOP BACK OF WALK
G	GROUND WELL
D	ROOF DRAIN
	BOLLARD
V	VENT

SURVEY NOTES

1. ALL LATITUDES AND LONGITUDES ARE NAD 83, ALL ELEVATIONS ARE NAVD 88 (UNLESS NOTED OTHERWISE).

2. ALL BOUNDARY INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM RECORD DATA. SUFFICIENT MONUMENTATION WAS NOT RECOVERED IN THE FIELD TO ADEQUATELY LOCATE THE PARCEL BOUNDARY. WITH ADDITIONAL FIELD SURVEYING AND DOCUMENT RESEARCH THE BOUNDARY SHOWN HEREON MAY CHANGE.

3. DATE OF FIELD SURVEY MAY 6, 2011.

4. PRELIMINARY TITLE REPORT NO. 383578, PREPARED BY STEWART TITLE COMPANY HAS BEEN PROVIDED, ANY EASEMENTS OR OTHER TITLE RELATED ISSUES NOT INCLUDED IN SAID REPORT WHICH ARE PART OF THE TITLE PROCESS MAY OR MAY NOT HAVE BEEN ADDRESSED, TIMOTHY F. SCHAD, L.S. ACCEPTS NO RESPONSIBILITY OR LIABILITY FOR BOUNDARY OR TITLE ITEMS ADDRESSED HEREON. THIS IS NOT A BOUNDARY SURVEY.

1-A ACCURACY CERTIFICATION

DATE OF SURVEY: MAY 6, 2011
SITE NUMBER / NAME: CC-4946G / "1801 BROADWAY"
TYPE: PROPOSED ROOFTOP INSTALLATION
SITE ADDRESS: 1801 BROADWAY, SAN FRANCISCO, CA. 94109

I, TIMOTHY SCHAD, HEREBY CERTIFY THE GEODETIC COORDINATES AT THE CENTERLINE OF THE PROPOSED ANTENNA INSTALLATION TO BE:

LAT = 37° 47' 42.26" N (NAD83) LAT = 37° 47' 42.51" N (NAD27)
LON = 122° 25' 36.68" W (NAD83) LON = 122° 25' 32.78" W (NAD27)

AND FURTHER CERTIFY THAT THE ELEVATIONS HEREON ARE ABOVE MEAN SEA LEVEL (NAVD-88) AND ARE AS FOLLOWS:

GROUND ELEVATION (@ NORTHEAST BLDG. COR.):167.6 FT. NAVD88 (0.0' A.G.L.)
TOP OF STRUCTURE (TOP PARAPET/FRETWORK): 260.8 FT. NAVD88 (93.2' A.G.L.)
OVERALL HT. / STRUCTURE (TOP PENTHOUSE): 270.4 FT. NAVD88 (102.8' A.G.L.)

TOP PROPOSED HIGHEST ANTENNA: 270.4 FT. NAVD88 (102.8' A.G.L.)

THE ACCURACY STANDARDS FOR THIS CERTIFICATION ARE AS FOLLOWS:

GEODETIC COORDINATES: +/- FIFTEEN (15) FEET (NAD-83)
ELEVATIONS: +/- THREE (3) FEET (NAVD-88)

LEGAL DESCRIPTION

PARENT PARCEL

THE LAND REFERRED TO HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF SAN FRANCISCO, CITY OF SAN FRANCISCO, AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY LINE OF BROADWAY AND THE WESTERLY LINE OF GOUGH STREET; RUNNING THENCE WESTERLY ALONG SAID LINE OF BROADWAY 30 FEET; THENCE AT A RIGHT ANGLE SOUTHERLY 110 FEET AND 5/8 OF AN INCH; THENCE AT A RIGHT ANGLE EASTERLY 30 FEET TO THE WESTERLY LINE OF GOUGH STREET; AND THENCE AT A RIGHT ANGLE NORTHERLY ALONG SAID LINE OF GOUGH STREET 110 FEET AND 5/8 OF AN INCH TO THE POINT OF BEGINNING.

BEING PART OF WESTERN ADDITION BLOCK NO. 184.

ASSESSOR'S LOT 001, BLOCK 0577

LEASE AREA

PROPOSED LEASE IS WITHIN EXISTING BUILDING.

TOGETHER WITH THE RIGHT OF ACCESS TO THE PROPOSED ANTENNA LOCATIONS, AS SHOWN HEREON.

G:\Data\land projects\ATT\CC-4946(1801 BROADWAY)\VICMAP.jpg

VICINITY MAP
NO SCALE

ISSUE STATUS

△	DATE	DESCRIPTION	REV.
0	5-9-11	PRELIM.	TS
00	6-24-11	FINAL	TS

TIMOTHY SCHAD, L.S.
10699 ROUND VALLEY RD.
GRASS VALLEY, CA. 95949 PHONE
(530) 271-7477
FAX: (530) 271-7377

PROFESSIONAL LAND SURVEYOR
TIMOTHY F. SCHAD
LS 6021
Exp. 3/31/13
STATE OF CALIFORNIA

G:\Data\land projects\ATT\SCHAD\RCL.PG

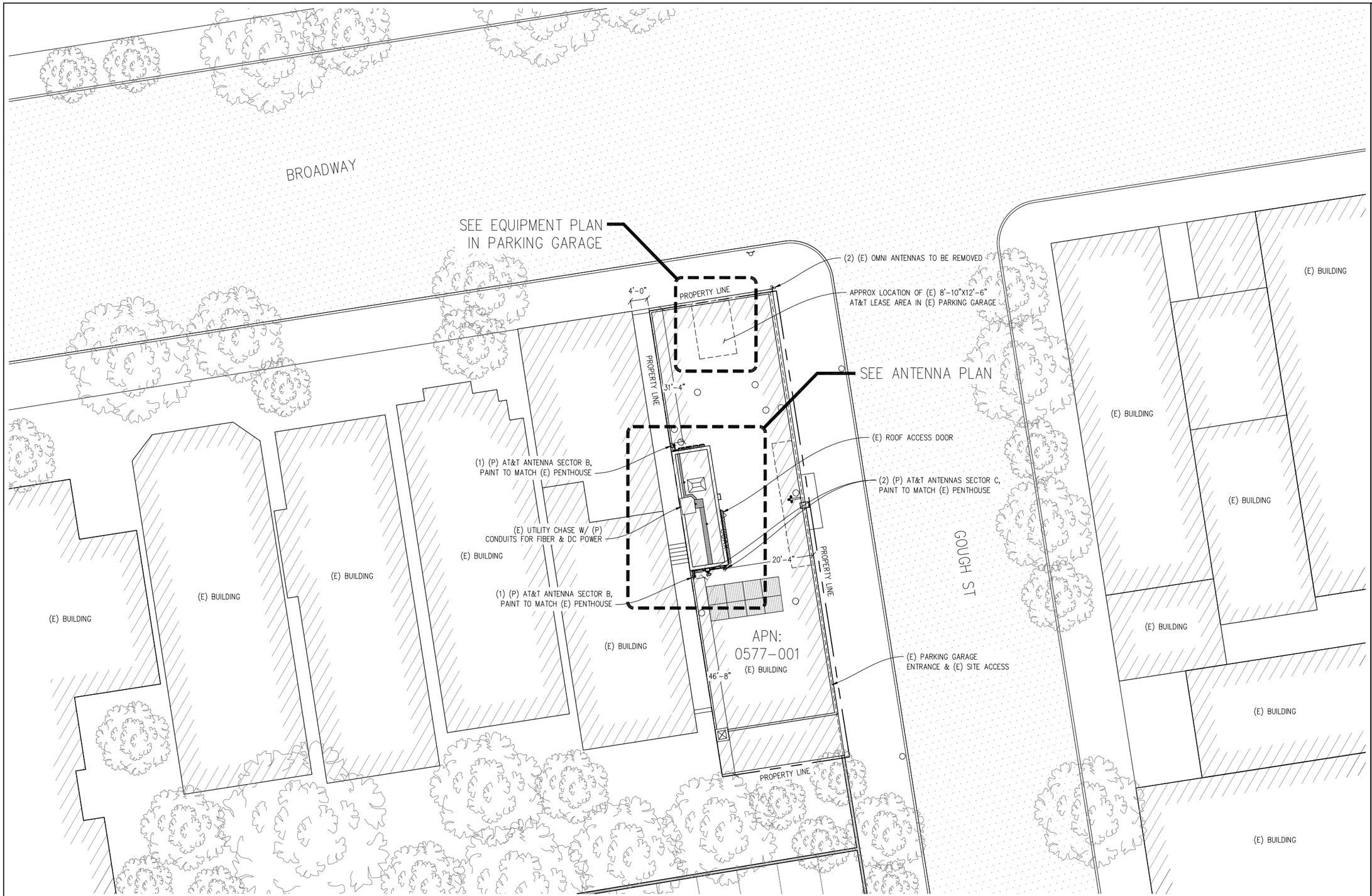
6-24-11

AT&T

CC-4946-G
"1801 BROADWAY"
1801 BROADWAY
SAN FRANCISCO, CA 94109
SAN FRANCISCO COUNTY
APN: 0577-001

SHEET TITLE:
SITE SURVEY

LS-1



SITE PLAN

1"=10'-0"

0 5' 10' 20' 30' 50'

1801 BROADWAY

CC4946
1801 BROADWAY
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	03/13/12	ZD 90%	J.S.
	04/20/12	ZD 100%	J.S.
	05/22/12	CLIENT REV	C.M.
	–	–	–
	–	–	–
	–	–	–

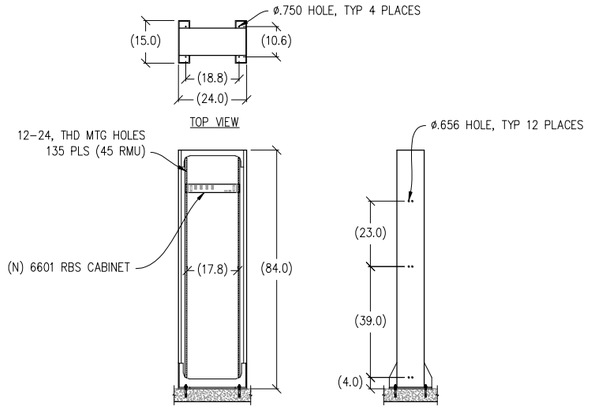
DRAWN BY:	J. SMITH
CHECKED BY:	J. GRAY
APPROVED BY:	–
DATE:	05/22/12

Streamline Engineering and Design, Inc.
3268 Penryn Rd, Suite 200 Loomis, CA 95650
Contact: Larry Houghtby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

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

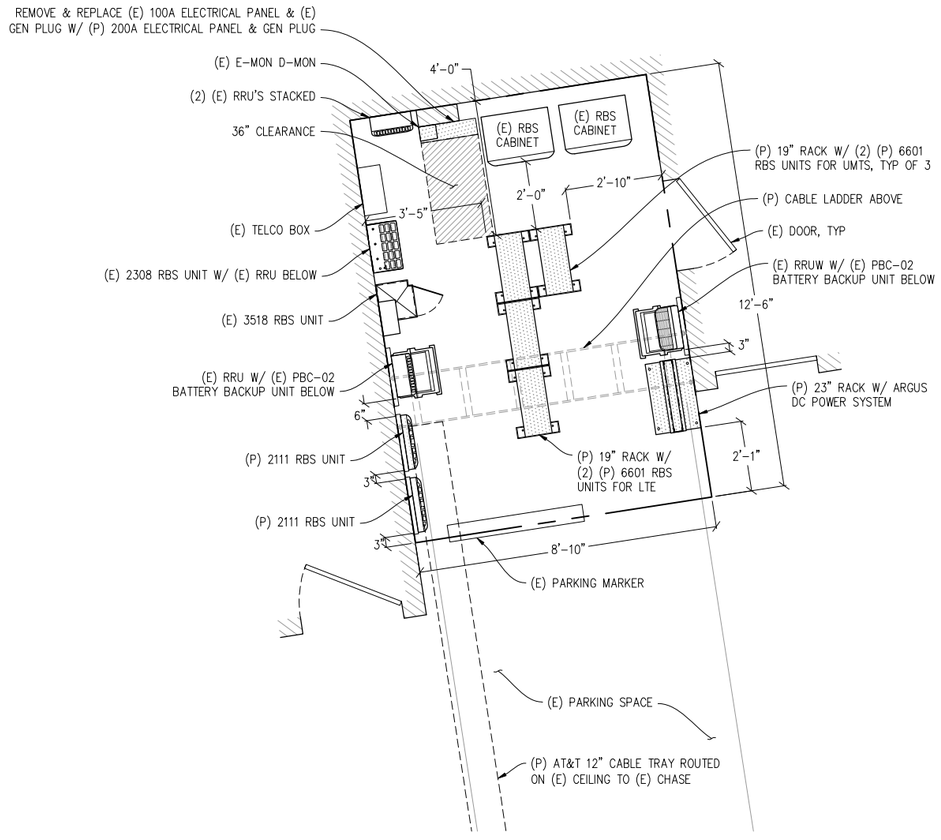
SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1



1 19" SEISMIC RACK W/ 6601 DETAIL

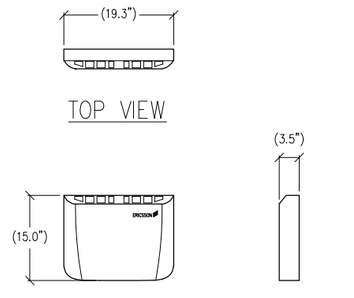
½"=1'-0"



EQUIPMENT PLAN

½"=1'-0"

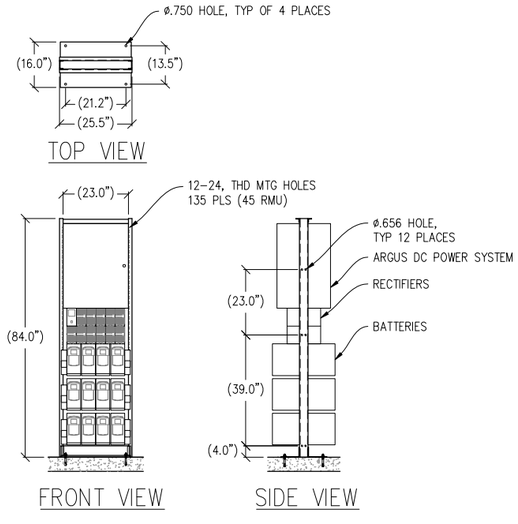
0 6" 1' 2' 3' 5' 7' 10'



2 RBS DETAIL

1"=1'-0"

ERICSSON RBS 2111 MU



3 23" RACK DETAIL

½"=1'-0"

1801 BROADWAY

CC4946

1801 BROADWAY
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	03/13/12	ZD 90%	J.S.
	04/20/12	ZD 100%	J.S.
	05/22/12	CLIENT REV	C.M.
	–	–	–
	–	–	–
	–	–	–

DRAWN BY: J. SMITH

CHECKED BY: J. GRAY

APPROVED BY: –

DATE: 05/22/12

Streamline Engineering and Design, Inc.
3268 Penryn Rd, Suite 200 Loomis, CA 95650
Contact: Larry Houghtby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

at&t

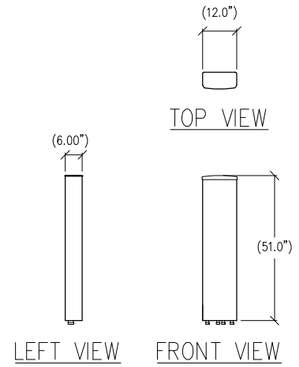
430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

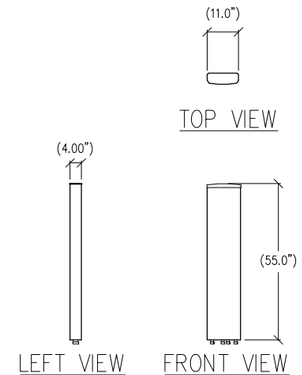
EQUIPMENT PLAN & DETAILS

SHEET NUMBER:

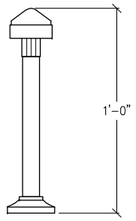
A-2



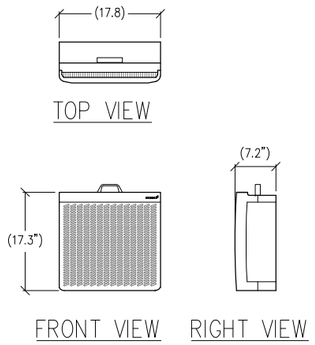
1 ANTENNA DETAIL
½"=1'-0"



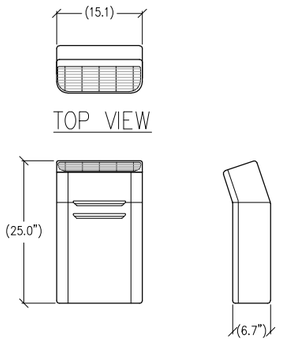
2 ANTENNA DETAIL
½"=1'-0"



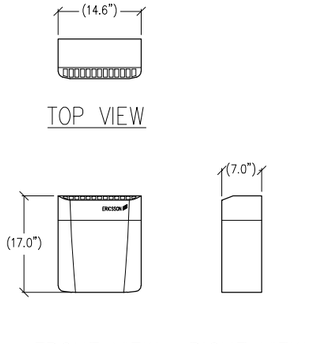
3 GPS DETAIL
3"=1'-0"



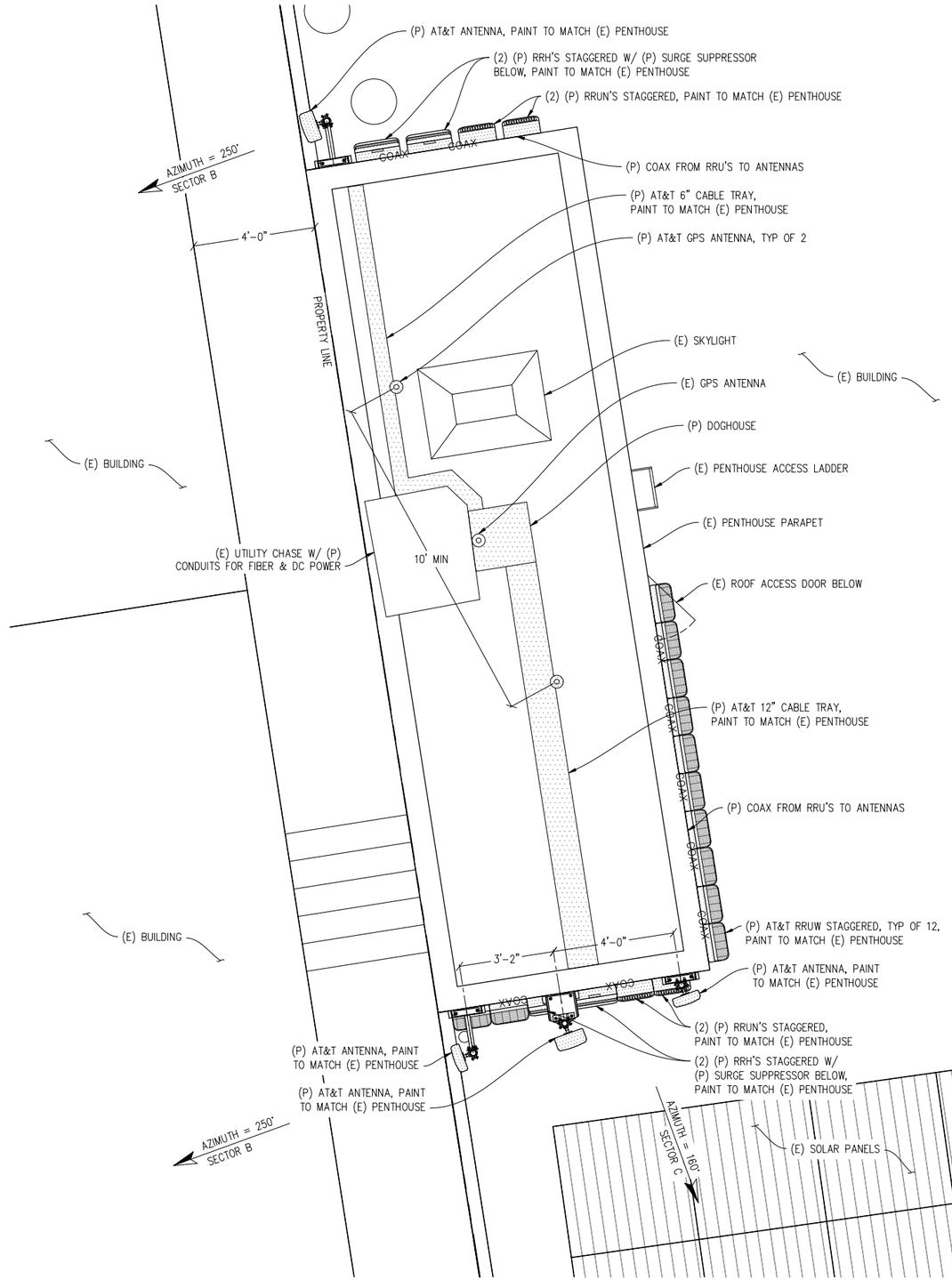
4 RRH DETAIL
1"=1'-0"
ERICSSON RRUS-11



5 RRUW DETAIL
1"=1'-0"



6 RRUN DETAIL
1"=1'-0"



ANTENNA PLAN
½"=1'-0"
NOTE: DO NOT STACK RRU'S

1801 BROADWAY

CC4946
1801 BROADWAY
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	03/13/12	ZD 90%	J.S.
	04/20/12	ZD 100%	J.S.
	05/22/12	CLIENT REV	C.M.
	–	–	–
	–	–	–
	–	–	–

DRAWN BY:	J. SMITH
CHECKED BY:	J. GRAY
APPROVED BY:	–
DATE:	05/22/12

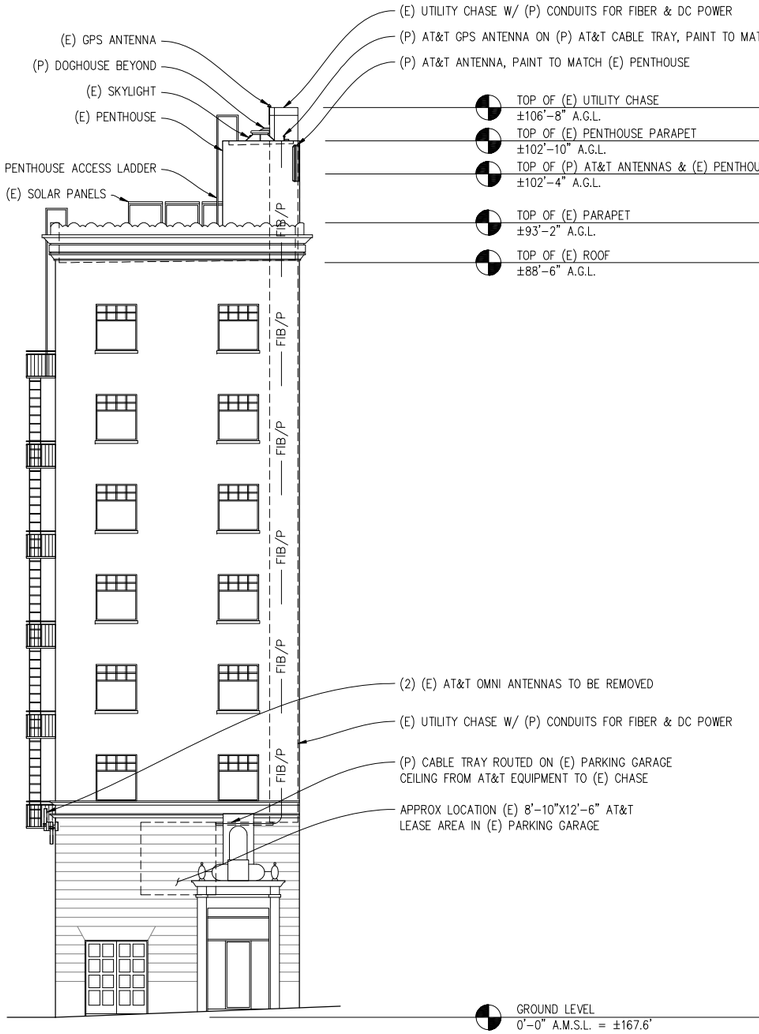
Streamline Engineering and Design, Inc.
3268 Penryn Rd, Suite 200 Loomis, CA 95650
Contact: Larry Houghtby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

at&t

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

SHEET TITLE:
ANTENNA PLAN & DETAILS

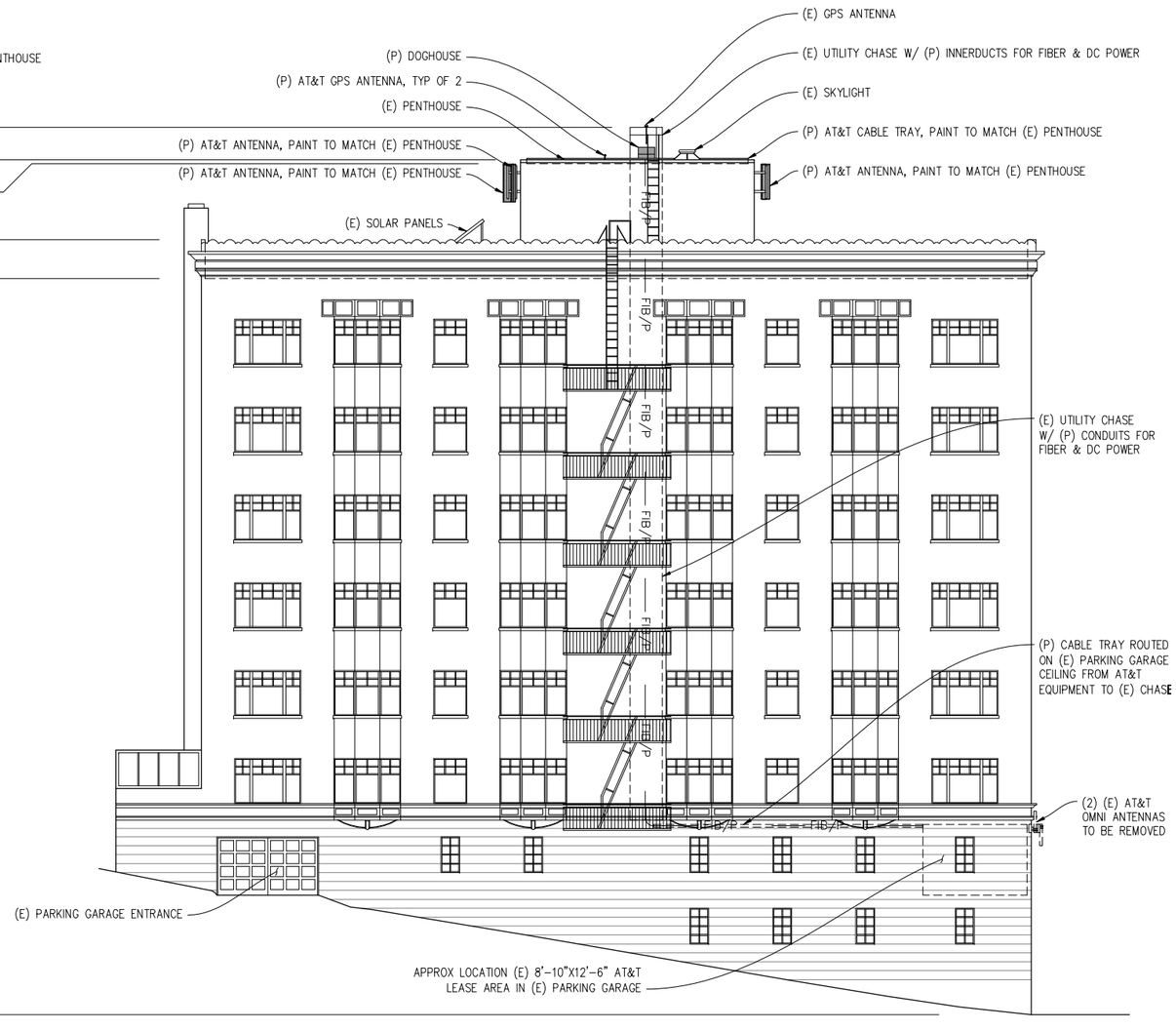
SHEET NUMBER:
A-3



NORTH ELEVATION

1/8"=1'-0"

VIEW FROM BROADWAY



EAST ELEVATION

1/8"=1'-0"

VIEW FROM GOUGH ST

1801 BROADWAY

CC4946

1801 BROADWAY
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	03/13/12	ZD 90%	J.S.
	04/20/12	ZD 100%	J.S.
	05/22/12	CLIENT REV	C.M.
	–	–	–
	–	–	–
	–	–	–

DRAWN BY:	J. SMITH
CHECKED BY:	J. GRAY
APPROVED BY:	–
DATE:	05/22/12

Streamline Engineering and Design, Inc.
3268 Penryn Rd, Suite 200 Loomis, CA 95650
Contact: Larry Houghtby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

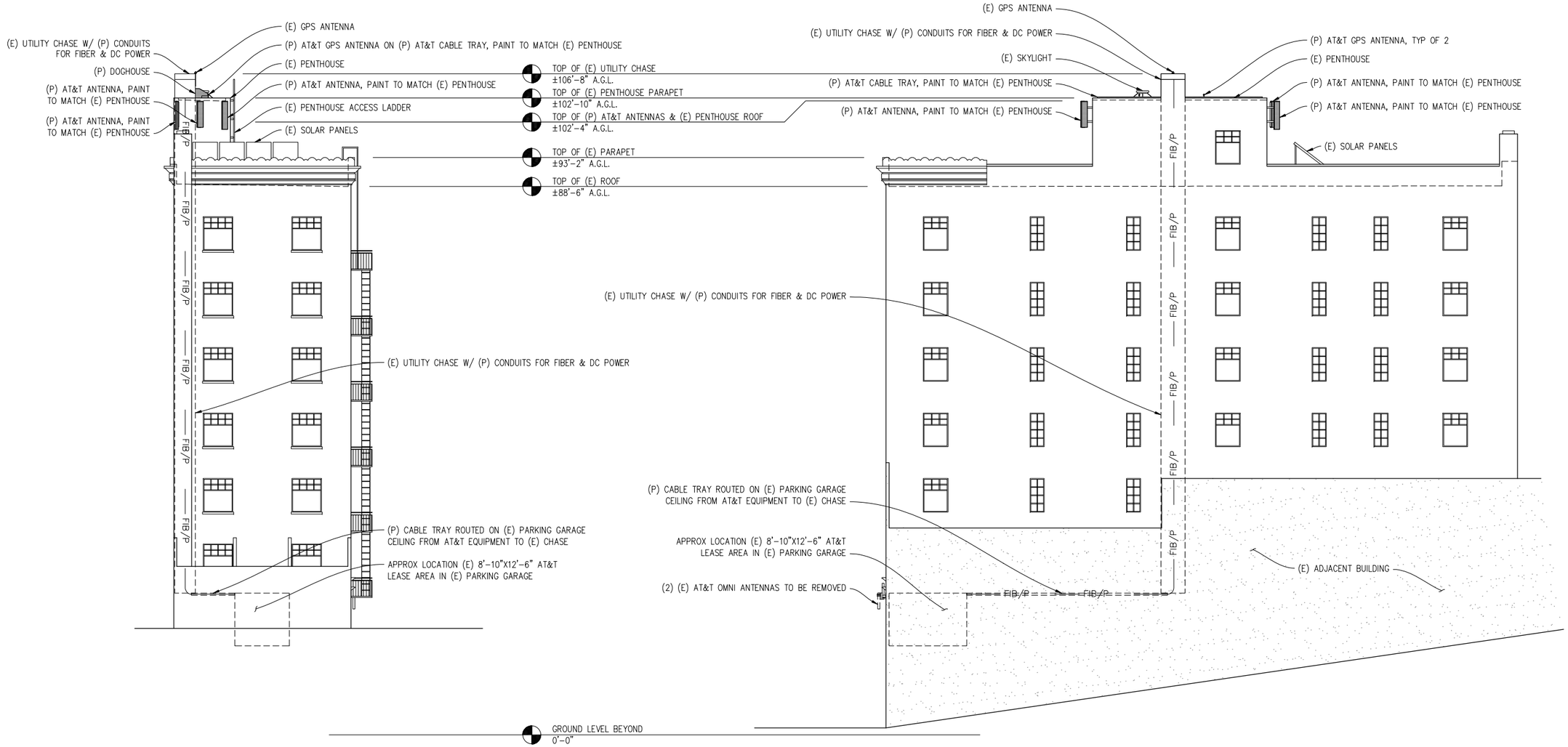
at&t
430 BUSH ST, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-4



SOUTH ELEVATION

⅛"=1'-0"

VIEW FROM PARKING LOT

WEST ELEVATION

⅛"=1'-0"

VIEW FROM OCTAVIA ST

1801 BROADWAY

CC4946

1801 BROADWAY
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	03/13/12	ZD 90%	J.S.
	04/20/12	ZD 100%	J.S.
	05/22/12	CLIENT REV	C.M.
	–	–	–
	–	–	–
	–	–	–

DRAWN BY:	J. SMITH
CHECKED BY:	J. GRAY
APPROVED BY:	–
DATE:	05/22/12

Streamline Engineering and Design, Inc.
3268 Penryn Rd, Suite 200 Loomis, CA 95650
Contact: Larry Houghtby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

at&t

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

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-5