SAN FRANCISCO
PLANNING DEPARTMENT

Executive Summary
Conditional Use Authorization
HEARING DATE: AUGUST 1, 2013

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

Reception:
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Planning
Information:
415.558.6377

Date:	August 1, 2013
Case No.:	**2012.1370C**
Project Address:	**1400 Haight Street**
Current Zoning:	Haight Street Neighborhood Commercial Haight Street Alcohol Restricted Use District (RUD) Fringe Financial Services RUD 40-X Height and Bulk District
Block/Lot:	1232/004
Project Sponsor:	AT&T Mobility represented by Talin Aghazarian, Town Consulting 100 Clement Street, 3rd Floor San Francisco, CA 94118
Staff Contact:	Omar Masry – (415) 575-9116 Omar.Masry@sfgov.org

PROJECT DESCRIPTION

The proposal is to allow the development of an AT&T Mobility macro wireless telecommunication services ("WTS") facility. The macro WTS facility would consist of twelve (12) panel antennas and electronic equipment necessary to run the facility affixed to the roof and penthouse of an existing mixed-use development. Based on the zoning, the antennas are proposed on a Location Preference 6 Site (Limited Preference, Neighborhood Commercial District), according to the WTS Siting Guidelines.

The proposed antennas would measure approximately 55" high by 18" wide by 7" thick, and would be placed in three sectors on the portion of the project site which features an existing three story building, composed of two floors of residential units above the first floor commercial area, which encompasses the entire lot.

Sectors "A" and "D" would consist of six east-facing antennas, mounted at a maximum height of approximately 55 feet above grade, and clustered along the roof peak running parallel to the Masonic frontage. Sectors "B" and "C" would consist of six antennas, mounted within a faux 2-foot wide parapet "pop-out" along a lower west-facing roof area with a maximum height of approximately 45 feet above grade. Due to height limitations for screened elements, antennas in Sectors A and D will be unscreened, but painted a grey color, and shrouded along the rear of each antenna to reduce the visibility of antenna mounts and cabling. Sector B and C would be screened by a parapet wall, and not be visible from adjacent public rights-of-way.

SITE DESCRIPTION AND PRESENT USE

The Project Site is located on Assessor's Block 1232, Lot 004, at the northwest corner of Haight Street and Masonic Avenue. The site features one floor of retail and restaurant space occupying the majority of the approximately 8,125 square foot lot. The eastern half of the site features a three-story (two stories above first floor commercial space), 44-foot high building, with apartments on the 2nd and 3rd floors. An existing micro T-Mobile WTS facility (Building Permit No. 20051220880), composed of two omni "whip" antennas is located on the upper roof of the Project Site.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The subject building lies in the core of the Haight Ashbury Neighborhood Commercial District, and is surrounded by a mix of low-rise (one to three stories) retailers, restaurants, mixed-use buildings (apartments above retail/restaurant spaces), and single-family homes, to the north and east, which are predominantly two stories tall.

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 19, 2013	July 19, 2013	20 days
Posted Notice	20 days	July 19, 2013	July 19, 2013	20 days
Mailed Notice	20 days	July 19, 2013	July 19, 2013	20 days

PUBLIC COMMENT

As of August 1, 2013, the Department has received four phone calls from residents, opposed to the project based on health concern due to RF emissions from the proposed facility. In addition, the Project Sponsor held a community meeting at the Park Branch Library, at 1833 Page Street, to discuss the project at 6:00 p.m. on March 12, 2013. There were two attendees, whom voiced concerns regarding health effects, and whether wireless coverage would be improved in the neighborhood.

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 Sections of the Planning Code, Conditional Use authorization is required for a WTS facility in the Haight Street Neighborhood Commercial Zoning District.

BASIS FOR RECOMMENDATION

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

- The Project complies with the applicable requirements of the Planning Code.
- The Project is consistent with the objectives and policies of the General Plan.
- The Project is consistent with the 1996 WTS Facilities Siting Guidelines, Planning Commission Resolution No. 14182 and Resolutions No. 16539 and No. 18523 supplementing the 1996 WTS Guidelines.
- Health and safety aspects of all wireless projects are reviewed under the Department of Public Health and the Department of Building Inspections.
- The expected RF emissions fall well within the limits established by the FCC.
- The project site is considered a Location Preference 6 (Limited Preference Site, Neighborhood Commercial District), according to the Wireless Telecommunications Services (WTS) Siting Guidelines.
- Based on propagation maps provided by AT&T Mobility, the project would provide enhanced 700 - 2170 Megahertz 4G LTE (4th Generation, Long-Term-Evolution, voice and data) coverage in an area that currently experiences gaps in coverage and capacity.
- Based on the analysis provided by AT&T Mobility, the project will provide additional capacity in an area that currently experiences insufficient service during periods of high data usage.
- Based on independent third-party evaluation, the maps, data, and conclusions about service coverage and capacity provided by AT&T Mobility are accurate.
- Six of the twelve proposed antennas would be screened by a parapet "pop-out" along a lower roof area not directly facing a public right-of-way. The remaining six proposed antennas would be un-screened, however the antennas would be painted to match the building facade, and shrouded along the back of each antenna to mask the aesthetic impact of antenna mounts and cabling serving each antenna.
- The antenna placement at approximately 55 feet above ground would comply with the building height provisions (40-X Height and Bulk District) of the Planning Code, as the antennas would be eligible for an exception from height limitations (Planning Code Section 260).
- The facility would continue to avoid intrusion into public vistas, avoid disruption of the architectural integrity of building and insure harmony with neighborhood character.
- The 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 om Planner's Initials

SAN FRANCISCO
PLANNING DEPARTMENT

2Subject 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

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Planning Commission Motion No. XXXX

HEARING DATE: AUGUST 8, 2013

Date:	August 1, 2013
Case No.:	**2012.1370C**
Project Address:	**1400 Haight Street**
Current Zoning:	Haight Street Neighborhood Commercial Haight Street Alcohol Restricted Use District (RUD) Fringe Financial Services RUD 40-X Height and Bulk District
Block/Lot:	1232/004
Project Sponsor:	AT&T Mobility represented by Kelly Pepper, Town Consulting 100 Clement Street, 3rd Floor San Francisco, CA 94118
Staff Contact:	Omar Masry – (415) 575-9116 Omar.Masry@sfgov.org

ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTION 303(c) AND 719.83 TO INSTALL A WIRELESS TELECOMMUNICATIONS SERVICES FACILITY CONSISTING OF TWELVE PANEL ANTENNAS AND ASSOCIATED EQUIPMENT LOCATED ON THE ROOFTOP OF AN EXISTING RESIDENTIAL AND COMMERCIAL BUILDING AS PART OF AT&T MOBILITY'S WIRELESS TELECOMMUNICATIONS NETWORK WITHIN THE HAIGHT STREET NEIGHBORHOOD COMMERCIAL ZONING DISTRICT, HAIGHT STREET ALCOHOL RESTRICTED USE DISTRICT, A FRINGE FINANCIAL SERVICES RESTRICTED USE DISTRICT, AND A 40-X HEIGHT AND BULK DISTRICT.

PREAMBLE

On October 31, 2012, AT&T Mobility (hereinafter "Project Sponsor"), submitted an application (hereinafter "Application"), for Conditional Use Authorization on the property at 1400 Haight Street, Lot 004 in Assessor's Block 1232, (hereinafter "Project Site") to install a wireless telecommunications service facility (hereinafter "WTS") consisting of twelve panel antennas located and equipment located on the roof of the subject building, as part of AT&T Mobility's telecommunications network, within the Haight Street Neighborhood Commercial Zoning, Haight Street Alcohol Restricted Use District (RUD), a Fringe Financial Services RUD, and a 40-X Height and Bulk District.

The Project is exempt from the California Environmental Quality Act ("CEQA") as a Class 3 Categorical Exemption (Section 15303 of the California Environmental Quality Act). The Planning Commission has reviewed and concurs with said determination. The categorical exemption and all pertinent documents may be found in the files of the Planning Department (hereinafter "Department"), as the custodian of records, at 1650 Mission Street, San Francisco.

On August 8, 2013, 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. 2013.0440C, subject to the conditions contained in "EXHIBIT A" of this motion, based on the following findings:

FINDINGS

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

1. The above recitals are accurate and constitute findings of this Commission.

2. **Site Description and Present Use**. The Project Site is located on Assessor's Block 1232, Lot 004, at the northwest corner of Haight Street and Masonic Avenue. The site features one floor of retail and restaurant space occupying the majority of the approximately 8,125 square foot lot. The eastern half of the site features a three-story (two stories above first floor commercial space), 44-foot high building, with apartments on the 2nd and 3rd floors. An existing T-mobile micro WTS facility (Building Permit No. 20051220880), composed of two omni "whip" antennas is located on the upper roof of the Project Site.

3. **Surrounding Properties and Neighborhood**. The subject building lies near the center of the Haight Ashbury Neighborhood Commercial District, and is surrounded by a mix of low-rise (one to three stories) retailers, restaurants, mixed-use buildings (apartments above retail/restaurant spaces), and single-family homes, to the north and east, which are predominantly two stories tall.

4. **Project Description.** The proposal is to allow the development of an AT&T Mobility macro WTS facility. The macro WTS facility would consist of twelve (12) panel antennas and electronic equipment necessary to run the facility affixed to the roof and penthouse of an existing mixed-use development. Based on the zoning, the antennas are proposed

on a Location Preference 6 Site (Limited Preference, Neighborhood Commercial District), according to the WTS Siting Guidelines.

The proposed antennas would measure approximately 55" high by 18" wide by 7" thick, and would be placed in three sectors on the portion of the project site which features an existing three-story building, composed of two floors of residential units above the first floor commercial area, which encompasses the entire lot.

Sectors "A" and "D" would consist of six east-facing antennas, mounted at a maximum height of approximately 55 feet above grade, and clustered along the roof peak running parallel to the Masonic frontage. Sectors "B" and "C" would consist of six antennas, mounted within a faux 2-foot wide parapet "pop-out" along a lower west-facing roof area with a maximum height of approximately 45 feet above grade. Due to height limitations for screened elements, antennas in Sectors A and D will be unscreened, but painted a grey color, and shrouded along the rear of each antenna to reduce the visibility of antenna mounts and cabling. Sector B and C would be screened by a parapet wall, and not be visible from adjacent public rights-of-way.

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

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

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

   Section 8.1 of the WTS Siting Guidelines further stipulates that the Planning Commission will not approve WTS applications for Preference 5 or below Location Sites unless the

application describes (a) what publicly-used building, co-location site or other Preferred Location Sites are located within the geographic service area; (b) what good faith efforts and measures were taken to secure these more Preferred Locations, (c) explains why such efforts were unsuccessful; and (d) demonstrates that the location for the site is essential to meet demands in the geographic service area and the Applicant's citywide networks.

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

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

On August 8, 2013, 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 719.83 to install a wireless telecommunications facility consisting twelve (12) panel antennas and electronic equipment necessary to run the facility affixed to the roof of an existing mixed-use development, as part of AT&T Mobility's network.

6. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of zoning districts and building uses for the siting of wireless telecommunications facilities. Under the *Guidelines*, the Project is a Location Preference Number 6 Site (Limited Preference) as the Project Site is a located in the Haight Street Neighborhood Commercial Zoning District.

   The Project Sponsor submitted an Alternative Site Analysis, which was evaluated by staff, and described the lack of available and feasible sites considered preferential (Location Preferences 1 through 5). The Project site is located immediately adjacent to residentially zoned (RM-1) sites, however the Project will have no land use impacts, and only limited visual or aesthetic impacts due to the proposed WTS facility. Where visible, the six panel antennas would be shrouded and painted so as to minimize their appearance. Therefore, the proposed WTS facility would not significantly impact overall neighborhood character.

7. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network is designed to address coverage and capacity needs in the area. The network will operate in the 700 – 2,170 Megahertz (MHZ) bands, which are regulated by the Federal Communications Commission (FCC) and must comply with the FCC-adopted health and safety standards for electromagnetic radiation and radio frequency radiation.

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

9. **Department of Public Health Review and Approval.** The proposed project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There are two omni "whip" antennas (micro WTS facility) operated by T-Mobile at the site, but no other documented antennas within 100 feet of the site.

   AT&T Mobility proposes to install twelve panel antennas. The antennas will be mounted at a height of approximately 42 feet above the ground. The estimated ambient RF field from the proposed AT&T Mobility transmitters at ground level is calculated to be 0.02 mW/sq. cm., which is 3.8% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 62 inches and does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish, and Chinese. Workers should not have access to the area (23 feet) directly in front of the antenna while it is in operation.

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

11. **Maintenance Schedule**. The proposed facility would operate without on-site staff but with a two-person maintenance crew visiting the property approximately once a month and on an as-needed basis to service and monitor the facility.

12. **Community Outreach.** Per the *Guidelines*, the Project Sponsor held a Community Outreach Meeting for the proposed project. The meeting was held at 6:00 p.m. on March 12, 2013 at the Park Branch Library, at 1833 Page Street. There were no attendees.

13. **Five-year plan:** Per the *Guidelines*, the Project Sponsor submitted an updated five-year plan, as required, April 2013.

14. **Public Comment.** As of August 1, 2013, the Department has received four phone calls from residents, opposed to the project based on health concern due to RF emissions from the proposed facility

15. **Planning Code Compliance.** The Commission finds that the Project is consistent with the relevant provisions of the Planning Code in the following manner:

    A. **Use.** Per Planning Code Section 719.83, a Conditional Use authorization is required for the installation of Commercial Wireless Transmitting, Receiving or Relay Facility.

16. **Planning Code Section 303** establishes criteria for the Planning Commission to consider when reviewing applications for Conditional Use approval. On balance, the project does comply with said criteria in that:

    A. The proposed new uses and building, at the size and intensity contemplated and at the proposed location, will provide a development that is necessary or desirable, and compatible with, the neighborhood or the community.

        i. *Desirable: San Francisco is a leader of the technological economy; it is important and desirable to the vitality of the City to have and maintain adequate telecommunications coverage and data capacity. This includes the installation and upgrading of systems to keep up with changing technology and increases in usage. It is desirable for the City to allow wireless facilities to be installed.*

        The proposed project at 1400 Haight Street is generally desirable and compatible with the surrounding neighborhood because the Project will not conflict with the existing uses of the property and will be designed to be compatible with the surrounding nature of the vicinity. The placement of antennas and related support and protection features are so located, designed, and treated architecturally to minimize their visibility from public places, to avoid intrusion into public vistas, to avoid disruption of the architectural design integrity of buildings, and insure harmony with the existing neighborhood character and public safety. The Project has been reviewed and determined to not cause the removal or alteration of any significant architectural features of the subject building.

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

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

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

        The proposed project at 1400 Haight Street is necessary in order to achieve sufficient street and in-building mobile phone coverage and data capacity. Recent drive tests in the subject area conducted by the AT&T Mobility Radio Frequency Engineering Team

provide that the subject property is the most viable location, based on factors including quality of coverage and aesthetics.

B. The proposed project will not be detrimental to the health, safety, convenience or general welfare of persons residing or working in the vicinity. There are no features of the project that could be detrimental to the health, safety or convenience of those residing or working the area, in that:

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

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

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

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

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

iii. The safeguards afforded to prevent noxious or offensive emissions such as noise, glare, dust and odor;

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

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

Six of the antennas are completely screened within a two-foot faux parapet "pop-out" which will mimic the building façade. The remaining roof-mounted panel antennas will be painted to match the building and minimally shrouded on the rear of the antenna to remove the antenna mount and cabling from view. The proposed antennas and equipment will not affect landscaping, open space, parking, lighting or signage at the Project site or surrounding area.

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

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

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

The Project is consisted with the purpose of Neighborhood district in that the intended use is located on an existing building approximately 44 feet tall and the proposed antenna is set back from the street frontage.

17. **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's coverage and capacity along the Haight Street Neighborhood Commercial corridor and surrounding residential, commercial and recreational areas along a primary transportation route 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 proposed antennas will be adequately shrouded and painted to reduce their visual impact, thereby minimizing the possibility of introducing new elements considered distracting or

cluttering. In addition, the varied building typology and presence of mature trees will minimize the visual impact of the new antennas from adjacent public rights-of-way.

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.

18. **Planning Code Section 101.1(b)** establishes eight priority-planning policies and requires review of permits for consistency with said policies. On balance, the project does comply with said policies in that:

A. That existing neighborhood-serving retail uses be preserved and enhanced and future opportunities for resident employment in and ownership of such businesses be enhanced.

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

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

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

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 significantly impeded and neighborhood parking would not be overburdened.

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

The Project would cause no displacement of industrial and service sector activity.

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

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

G. That landmarks and historic buildings be preserved.

The subject site is not a landmark building and is considered a Potential Historic Resource. Portions of the proposed Project will be visible from select locations along adjacent public rights of way, but will not obscure or detract from the unique and eclectic nature of other potentially significant buildings within the Haight Street Neighborhood Commercial Corridor.

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.

19. The Project is consistent with and would promote the general and specific purposes of the Code provided under Section 101.1(b) in that, as designed, the Project would contribute to the character and stability of the neighborhood and would constitute a beneficial development.

20. The Commission hereby finds that approval of the 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 719.83 and 303 to install twelve partially and fully screened 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 6 (Limited Preference) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within the Haight Street Neighborhood Commercial Zoning District, Haight Street Alcohol Restricted Use District (RUD), a Fringe Financial Services RUD, and a 40-X 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 8, 2013**.

JONAS P. IONIN
Acting Commission Secretary

AYES
NAYS:

ABSENT:

ADOPTED: August 8, 2013

EXHIBIT A

AUTHORIZATION

This authorization is for a Conditional Use Authorization under Planning Code Sections 719.83 and 303 to install a wireless telecommunications services facility consisting of up to twelve partially and fully screened panel antennas with related electronic equipment, at a Location Preference 6 (Limited Preference) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within the Haight Street Neighborhood Commercial Zoning District, Haight Street Alcohol Restricted Use District (RUD), a Fringe Financial Services RUD, and a 40-X 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 8, 2013** 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 2012.1370C
AT&T Mobility Macro WTS Facility
1400 Haight Street

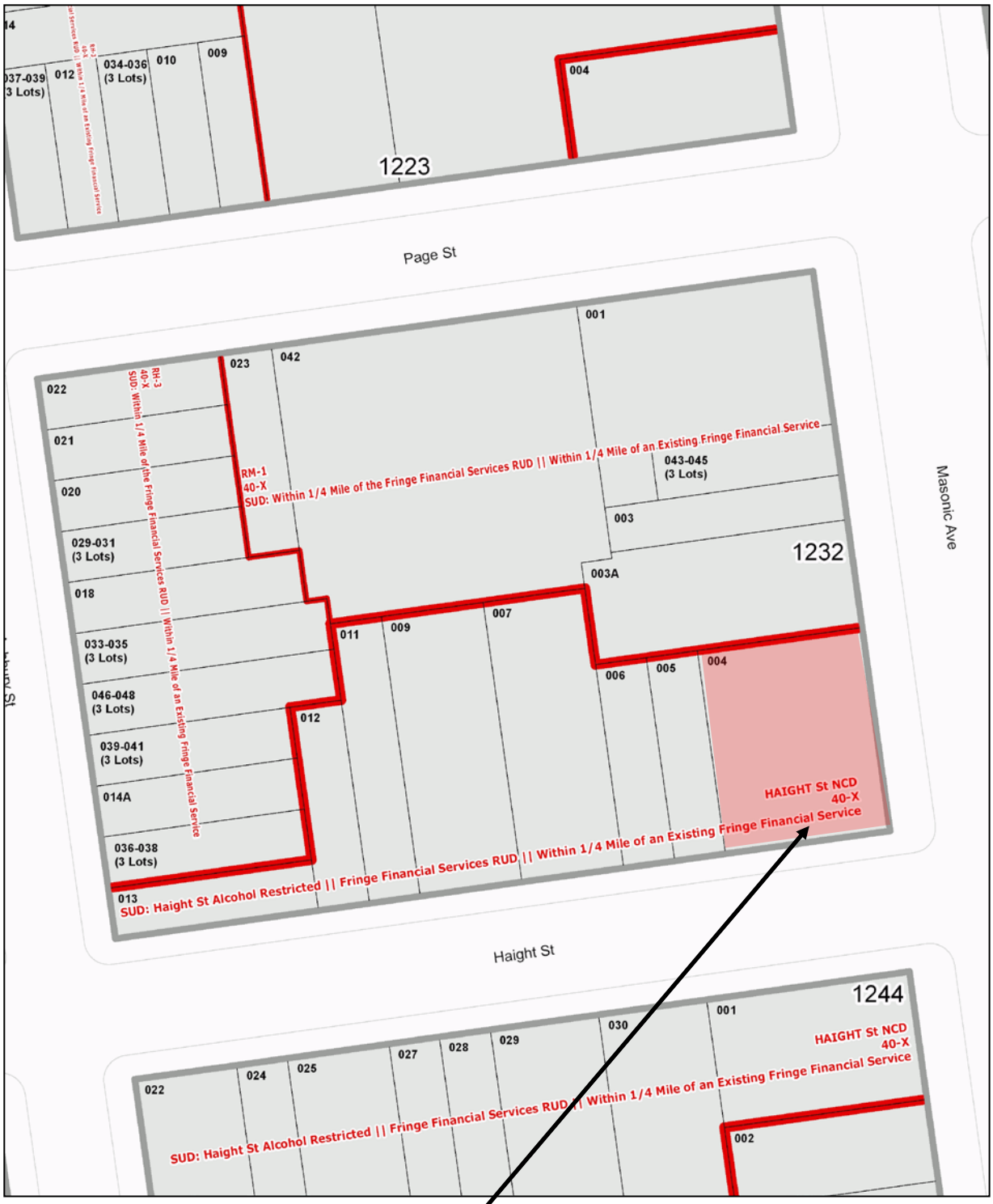
SAN FRANCISCO
PLANNING DEPARTMENT

Aerial Photo

Case Number 2012.1370C
AT&T Mobility Macro WTS Facility
1400 Haight Street

SAN FRANCISCO
PLANNING DEPARTMENT

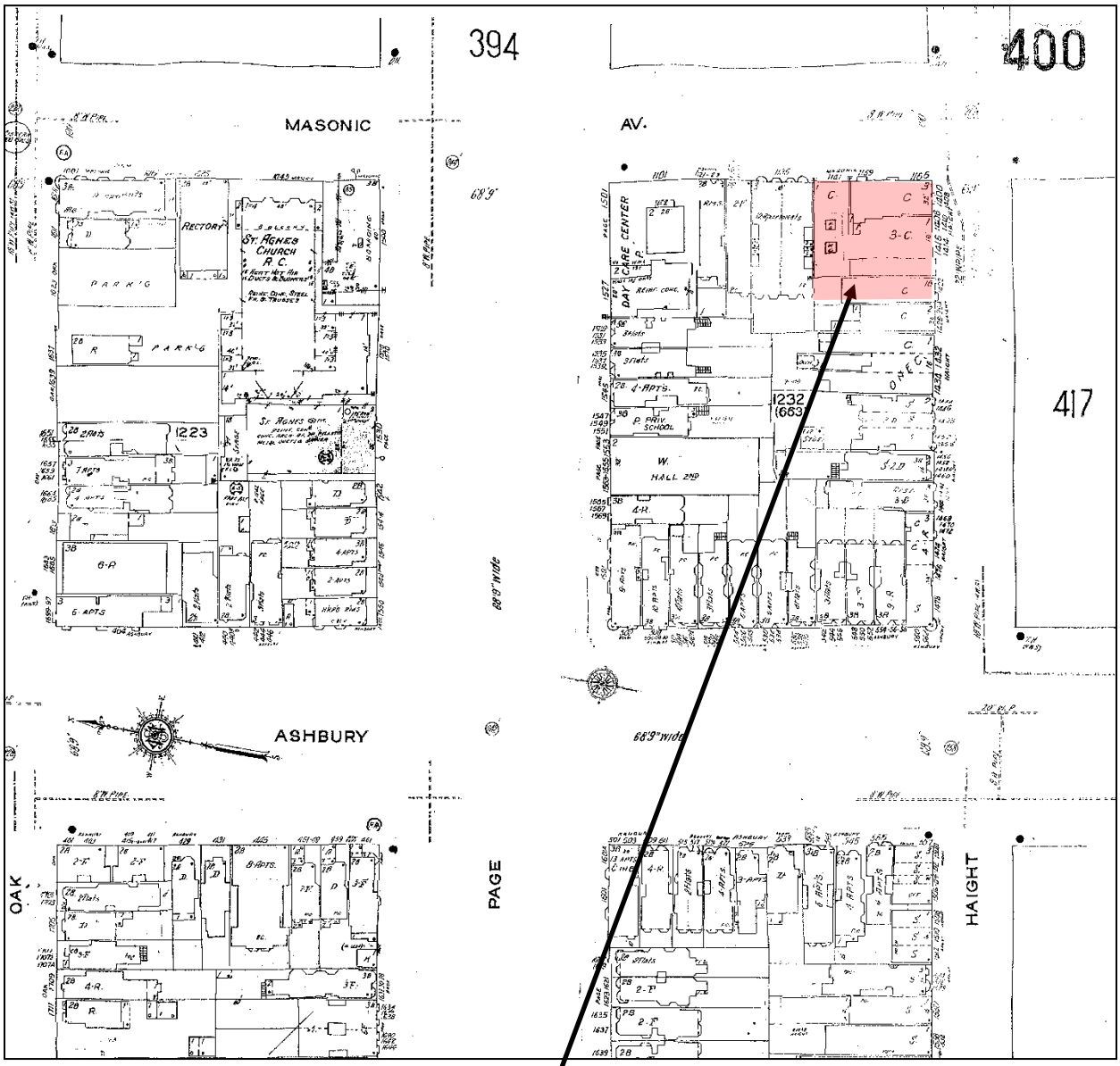
Parcel Map



SUBJECT PROPERTY

Case Number 2012.1370C
AT&T Mobility Macro WTS Facility
1400 Haight Street

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 2012.1370C
AT&T Mobility Macro WTS Facility
1400 Haight Street

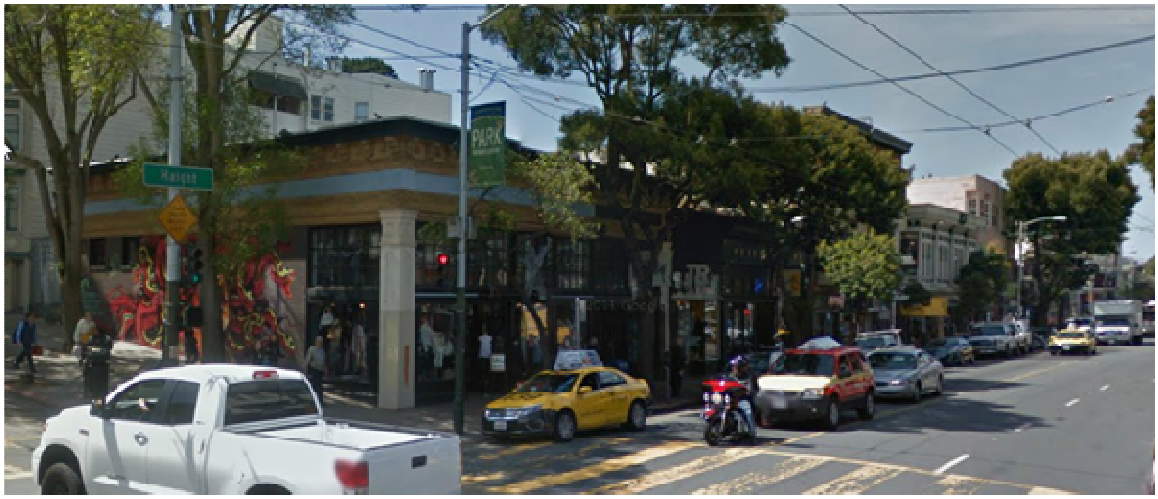
G. Contextual Photographs

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

View of subject building, corner of Haight Street and Masonic Avenue

West side of Masonic Avenue looking north

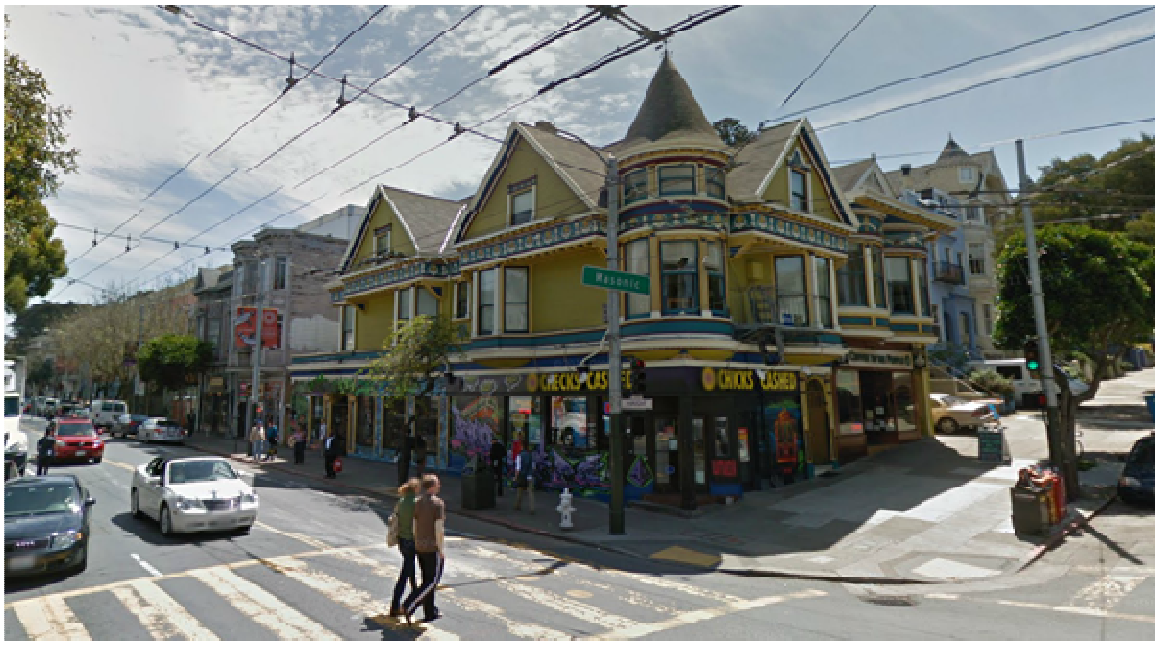
North side of Haight Street looking west



South side of Haight Street looking west

East side of Masonic Avenue looking north

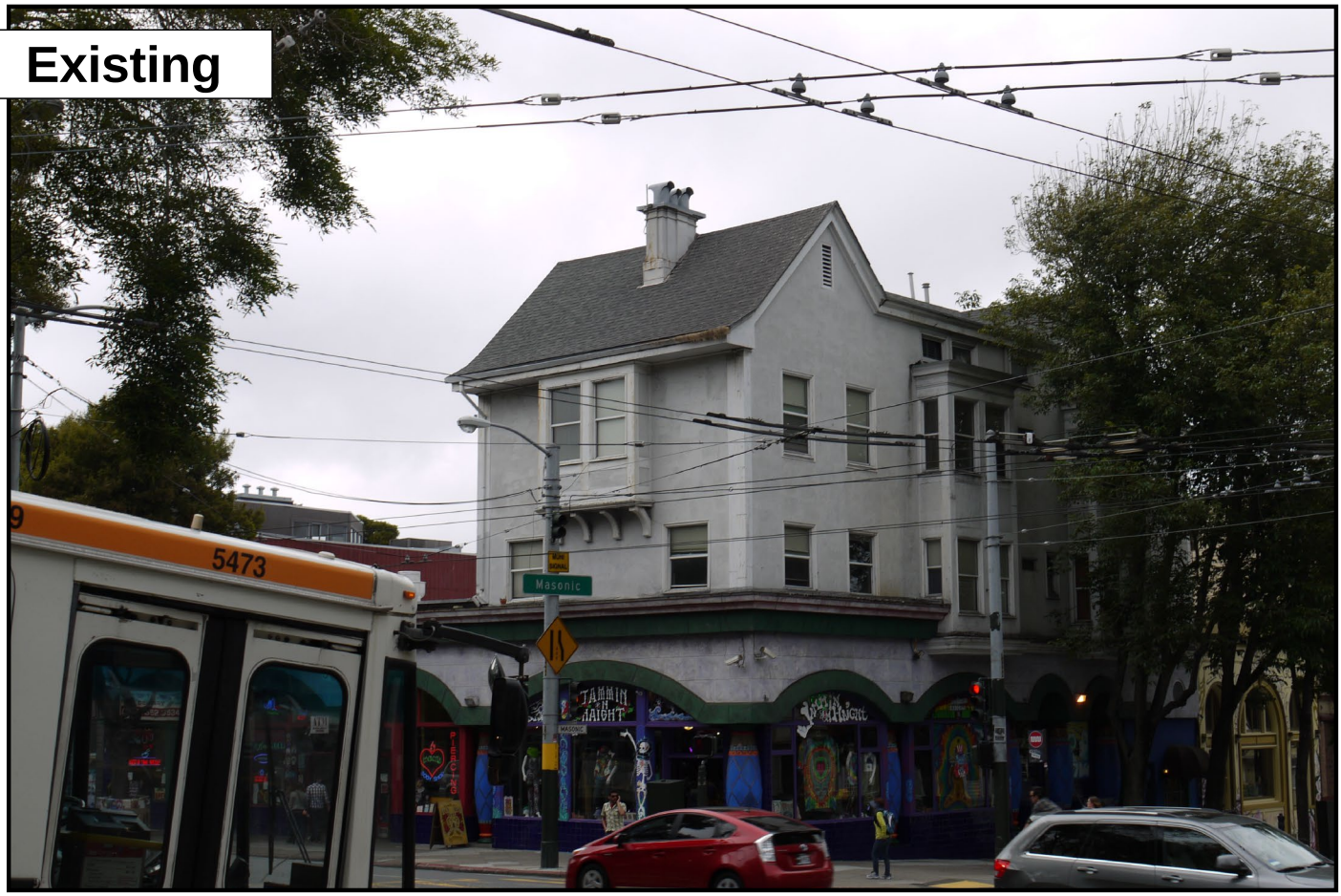
North side of Haight Street looking east



South side of Haight Street looking east

Masonic Avenue looking south

Existing



Proposed

Photo simulation as seen looking northwest from Haight & Masonic

Prepared by: **07.03.2013**
WW Design & Consulting, Inc.
1654 Candelero Court
Walnut Creek, CA 94598
info@photosims.com

at&t

CN5214 Positively Haight
1400 Haight Street, San Francisco, CA 94117

Existing

Proposed

proposed new AT&T antenna sectors B & C
behind new RF transparent screen
(view obscured by existing trees)

Photo simulation as seen looking northeast from Haight Street

Prepared by: **07.03.2013**
WW Design & Consulting, Inc.
1654 Candelero Court
Walnut Creek, CA 94598
info@photosims.com

at&t

CN5214 Positively Haight
1400 Haight Street, San Francisco, CA 94117

Existing

Proposed

Photo simulation as seen looking northeast from Haight Street

Prepared by: **07.03.2013**
WW Design & Consulting, Inc.
1654 Candelero Court
Walnut Creek, CA 94598
info@photosims.com

at&t

CN5214 Positively Haight
1400 Haight Street, San Francisco, CA 94117

Existing

Proposed

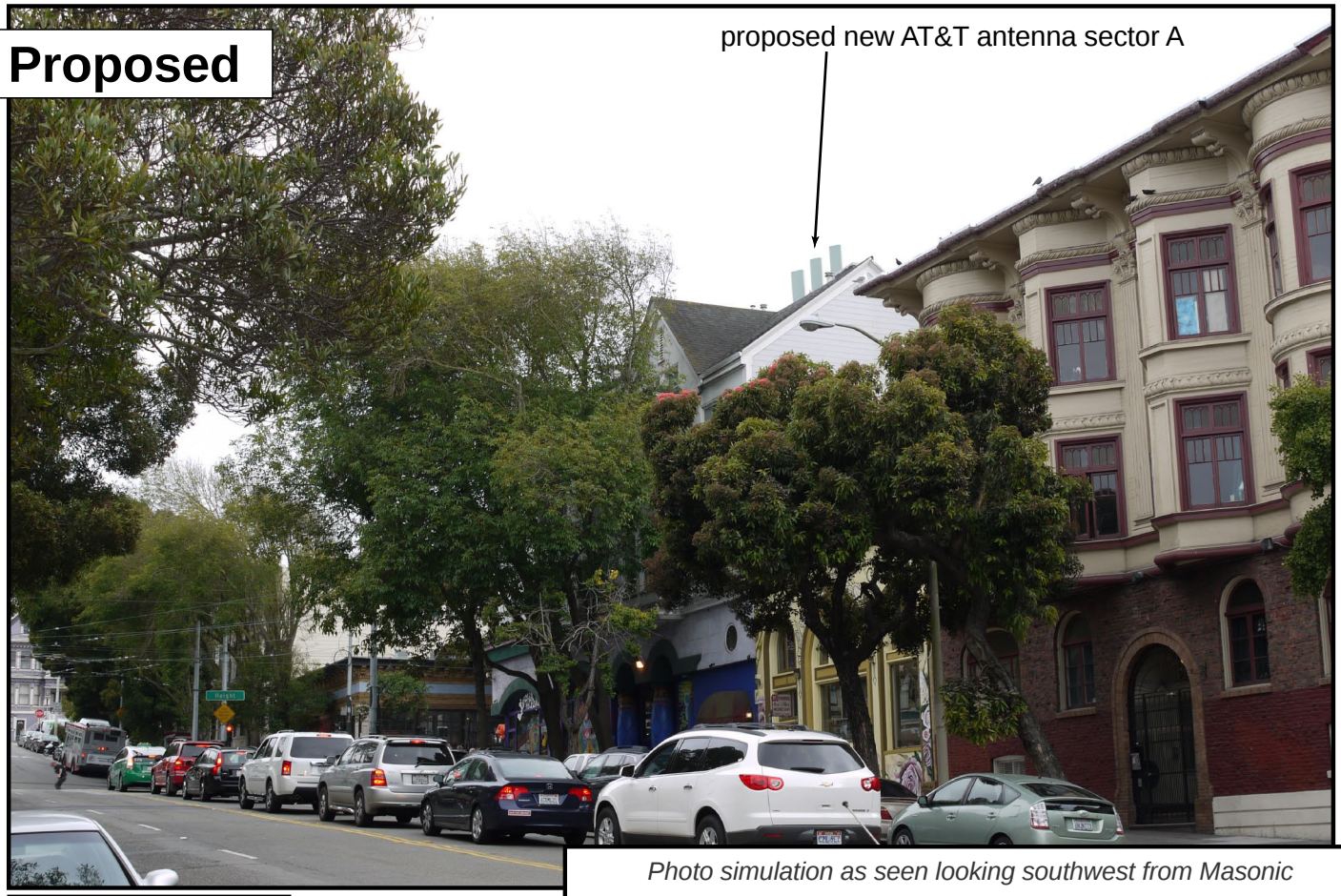


Photo simulation as seen looking southwest from Masonic

Prepared by: **07.03.2013**
WW Design & Consulting, Inc.
1654 Candelero Court
Walnut Creek, CA 94598
info@photosims.com

at&t

CN5214 Positively Haight
1400 Haight Street, San Francisco, CA 94117

Existing

Proposed

Photo simulation as seen looking west across Masonic

Prepared by: **07.03.2013**
WW Design & Consulting, Inc.
1654 Candelero Court
Walnut Creek, CA 94598
info@photosims.com

at&t

CN5214 Positively Haight
1400 Haight Street, San Francisco, CA 94117

AT&T Mobility • Proposed Base Station (Site No. CN5214)
1400 Haight 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 the base station (Site No. CN5214) proposed to be located at 1400 Haight 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 Mr. David Kelly, a qualified field technician contracted by Hammett & Edison, Inc., during normal business hours on March 19, 2012, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by Michael Wilk Architecture, dated July 31, 2012.

Checklist

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

Observed above the upper roof of the building were two omnidirectional antennas for use by T-Mobile. 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 install twelve directional panel antennas – three Andrew Model SBNH-1D4545A-VTM, one Powerwave Model P45-16-XLH-RR, and eight Andrew Model DBXCP-4545A-VTM – in groups of three above the upper roof of the three-story mixed-use building located at 1400 Haight Street. Two groups would be installed behind a new view screen on the outside of the upper roof parapet on the west side of the building, mounted at an effective height of about 42 feet above ground, 23½ feet above the lower roof. The remaining two groups would be installed on short poles above the sloped roof section on the east side of the building, mounted at an effective height of about 52 feet above ground, 2½ feet above the sloped roof. The twelve antennas would be oriented with up to 6° downtilt toward 40°T, 120°T, 220°T, and 300°T, to provide service in all directions.

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

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

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

The maximum effective radiated power proposed by AT&T in any direction is 8,230 watts, representing simultaneous operation at 5,980 watts for PCS, 1,000 watts for cellular, and 1,250 watts for 700 MHz service. The total number of watts of the T-Mobile operation has been reported to be 40 watts.

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 were noted no taller buildings nearby.

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

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation by itself is calculated to be 0.020 mW/cm^2, which is 3.8% of the applicable public exposure limit. Ambient RF levels at the site are therefore estimated to be below 4.8% of the limit. The three-

dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 62 feet out from the antenna faces and to much lesser distances above, below, and to the sides; this includes areas on the sloped roof of the building but does not reach any other building or any publicly accessible areas.

9. Describe proposed signage at site.

Due to their mounting locations, the AT&T antennas would not be accessible to the general public, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. To prevent occupational exposures in excess of the FCC guidelines, no access within 23 feet directly in front of the antennas themselves, such as might occur during maintenance work on the sloped section of the upper 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. Posting explanatory warning signs* at the roof access door, on the screens in front of the antennas, 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. Similar measures should already be in place for the other carrier at the site; the applicable keep-back distance for that carrier has not been determined as part of this study.

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 operation of the base station proposed by AT&T Mobility at 1400 Haight Street in San Francisco, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Posting explanatory signs is recommended to establish compliance with occupational exposure limitations.

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

August 30, 2012

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: *1400 Haight St*

Site ID: *1686* **SiteNo.:** *CN5214*

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: **8230** 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: **8230** 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: **0.02** mW/cm^2. Maximum RF Exposure Percent: **3.8**

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: **62**

☑ Occupational_Exclusion_Area Occupational Exclusion In Feet: **23**

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 currently no antennas operated by AT&T Wireless installed on the roof top of the building at 1400 Haight Street. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There were observed similar antennas operated by T-Mobile (2) at this site. AT&T Wireless proposes to install 12 new antennas. The antennas are mounted at a height of about 42 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.02 mW/sq cm., which is 3.8 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 62 feet and does not reach any publicly accessible areas. Warnings signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Worker should not have access to within 23 feet of the front of the antennas while they are in operation.

___ **Not Approved**, additional information required.

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

1 Hours spent reviewing

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

Signed: Dated: 10/24/2012

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

AT&T Mobility Conditional Use Permit Application
1408 Haight Street

STATEMENT OF GORDON SPENCER

I am the AT&T radio frequency engineer assigned to the proposed wireless communications facility at 1408 Haight Street (the "Property"). Based on my personal knowledge of the Property and with AT&T's wireless network, as well as my review of AT&T's records with respect to the Property and its wireless telecommunications facilities in the surrounding area, I have concluded that the work associated with this permit request is needed to close a significant service coverage gap in the area roughly bordered by Clayton, Waller, Fell Streets and Central Avenue.

The service coverage gap is caused by obsolete or inadequate (or, in the case of 4G LTE, non-existent) infrastructure along with increased use of wireless broadband services in the area. As explained further in Exhibit 1, AT&T's existing facilities cannot adequately serve its customers in the desired area of coverage, let alone address rapidly increasing data usage. Although there is reasonable 3G outdoor signal strength in the area, 3G coverage indoors may be weak and the quality of 3G service overall is unacceptable, particularly during high usage periods of the day. Moreover, 4G LTE service coverage has not yet been deployed in this area

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

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

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

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

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

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

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

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

I have a Masters Degree in Electrical Engineering from the University of California (UCLA) and have worked as an engineering expert in the Wireless Communications Industry for over 25 years.

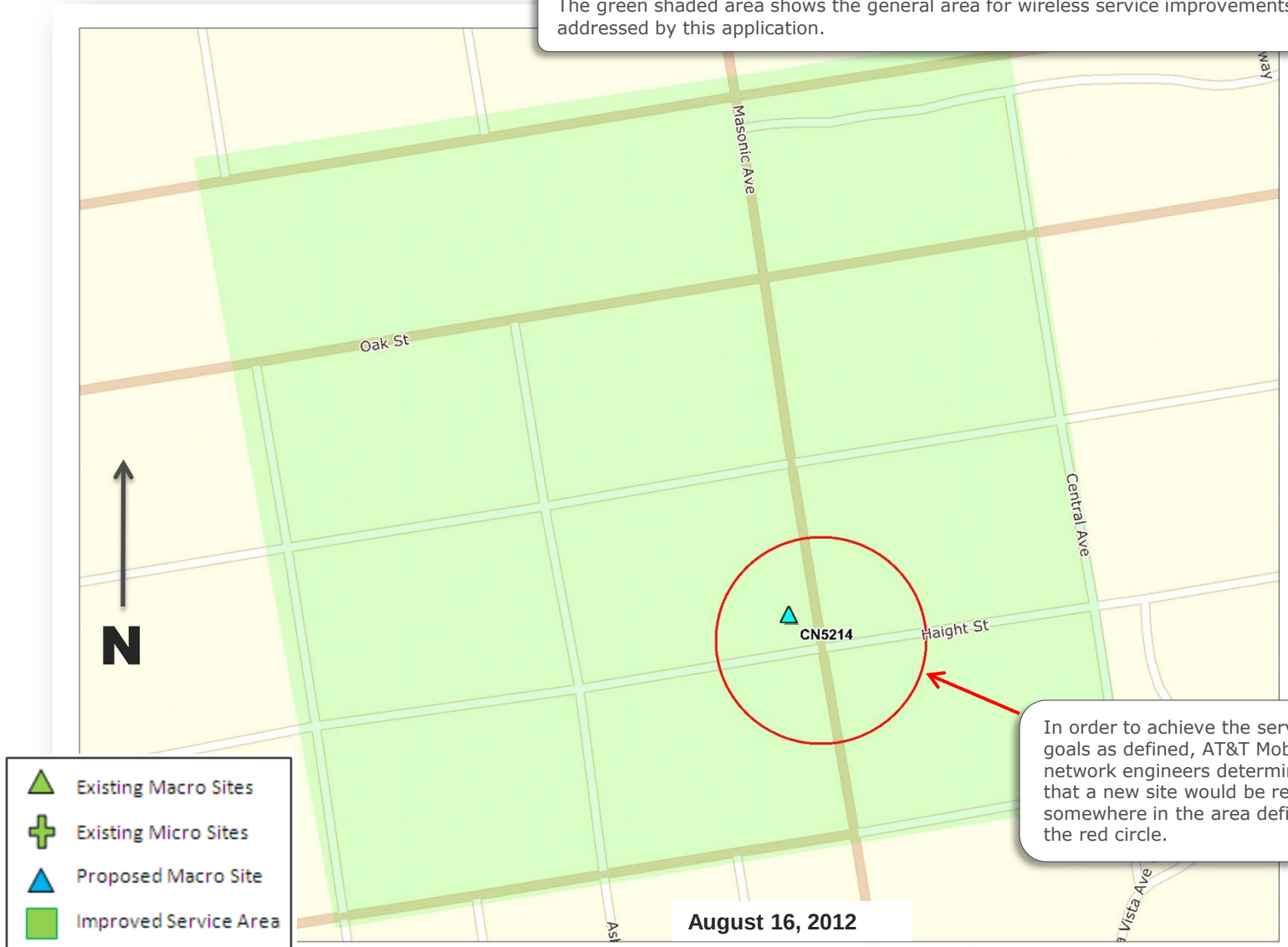
Gordon Spencer

August 22, 2012

Service Improvement Objective (CN5214)

1408 Haight Street

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



In order to achieve the service goals as defined, AT&T Mobility network engineers determined that a new site would be required somewhere in the area defined by the red circle.

Exhibit 2 - Proposed Site at 1408 Haight St (CN5214)

Service Area BEFORE site is constructed

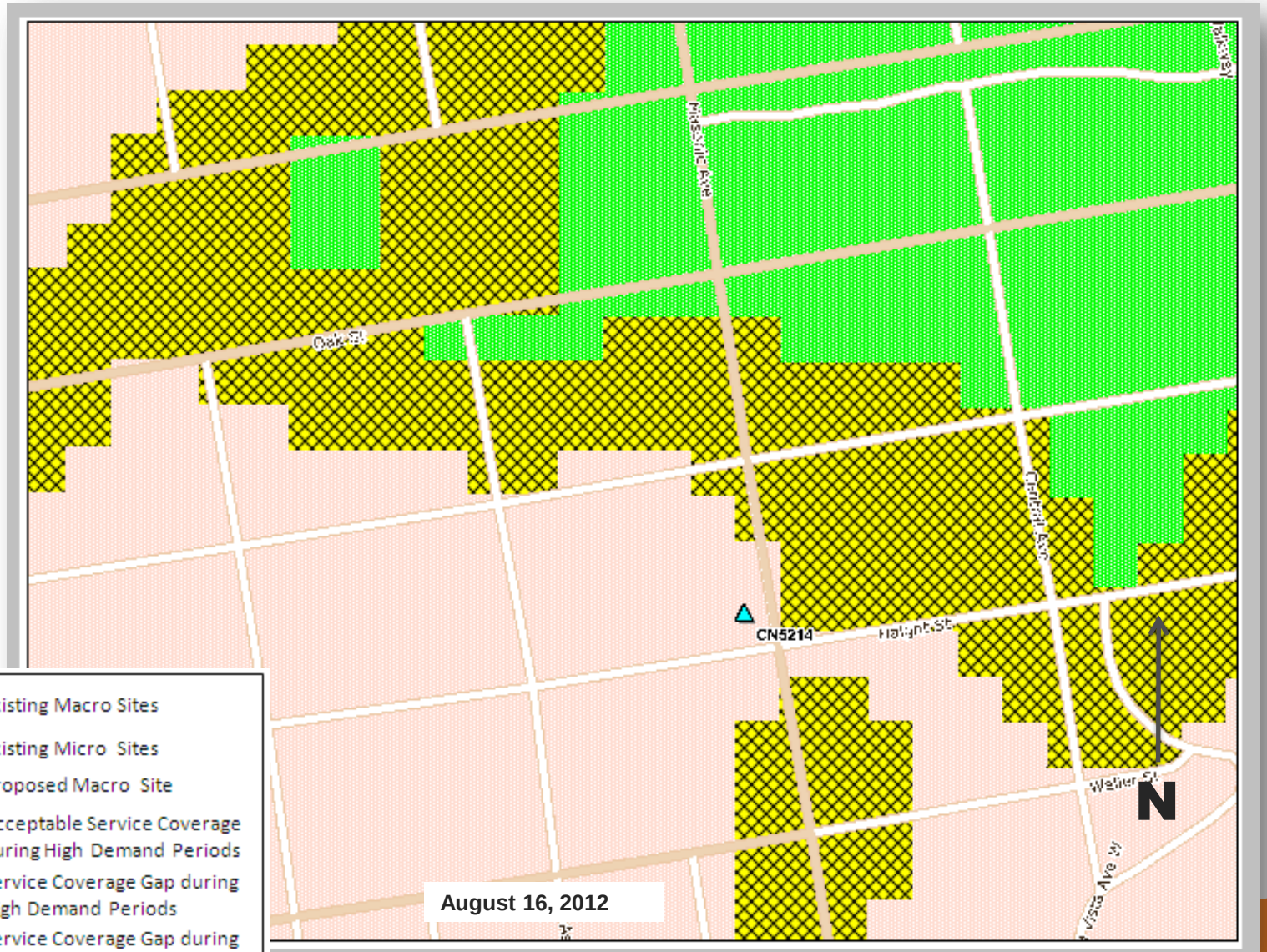


Exhibit 3 - Current 7-Day Traffic Profile for the Location of CN5214

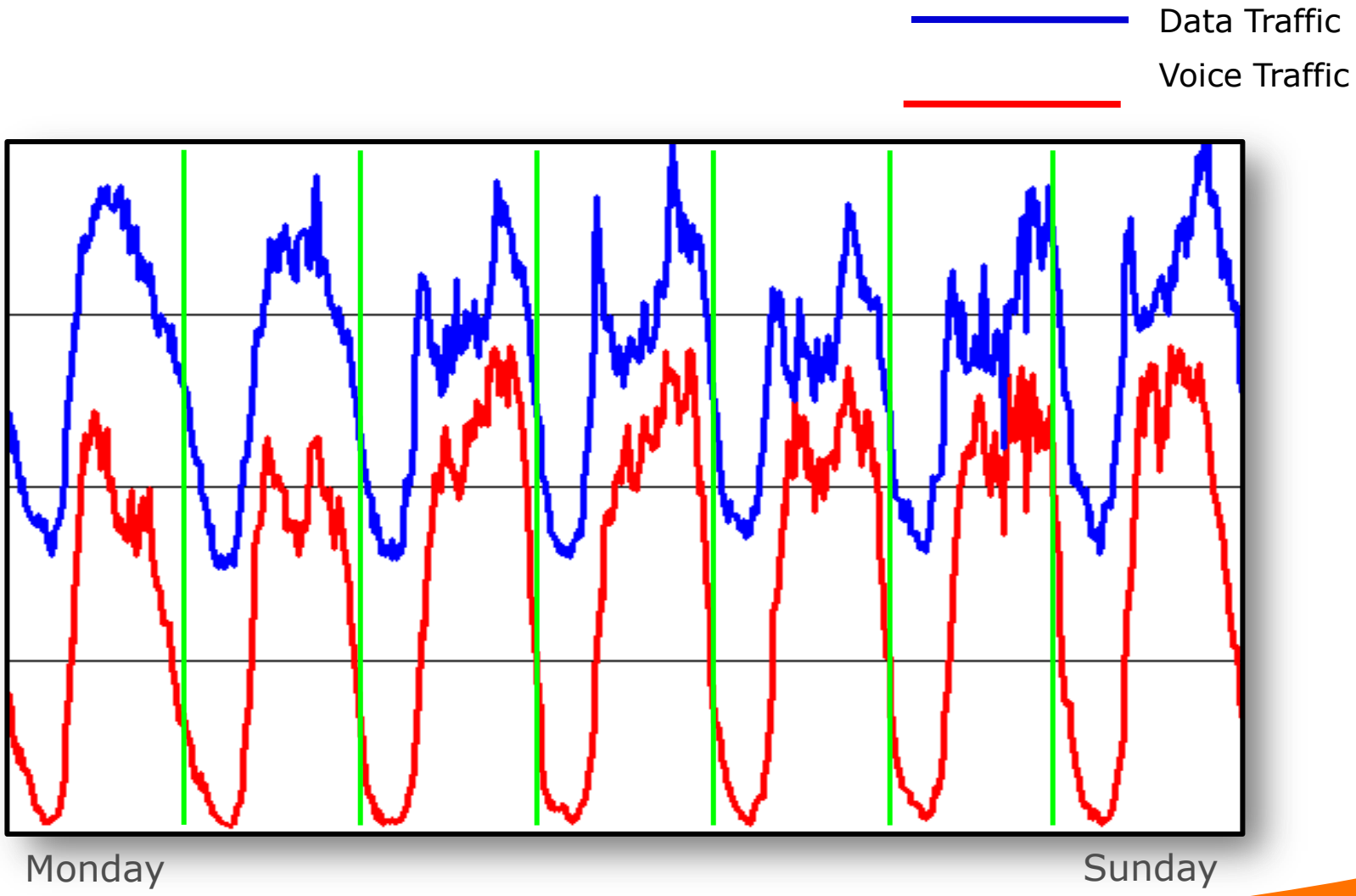


Exhibit 3 - Current 24-Hour Traffic Profile for the Location of CN5214

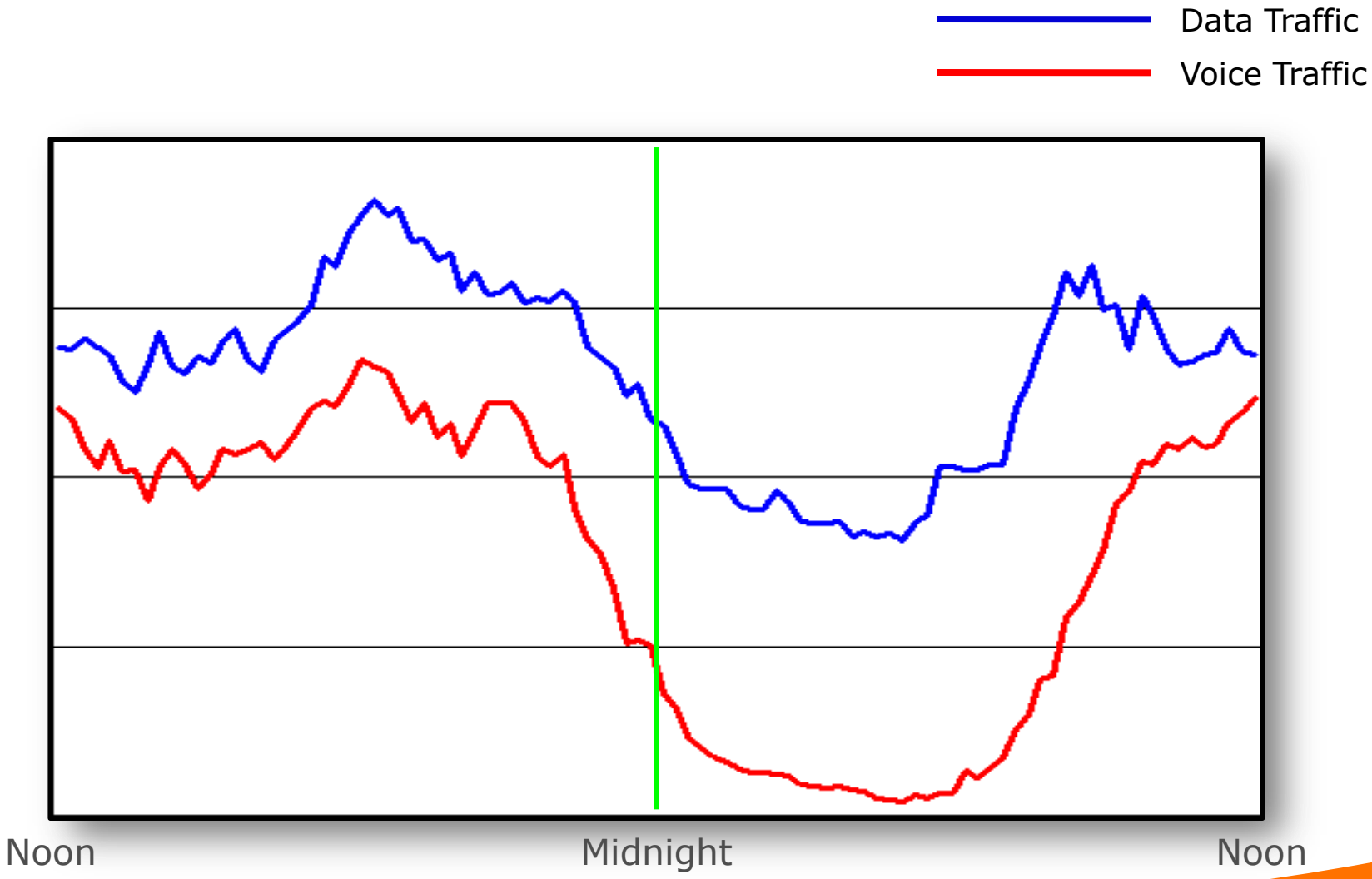


Exhibit 4 - Proposed Site at 1408 Haight St (CN5214)

Service Area AFTER site is constructed

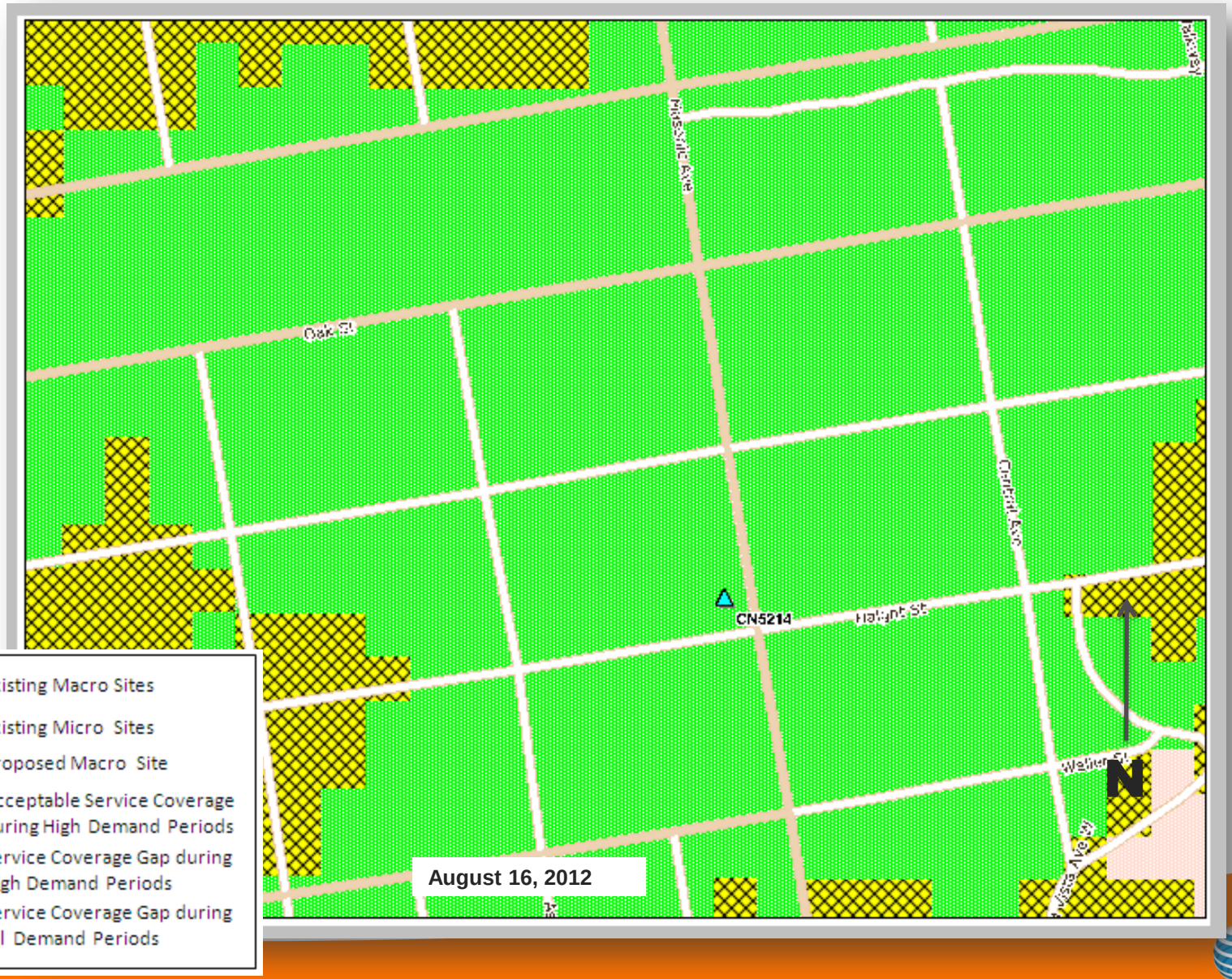


Exhibit 5 - Proposed Site at 1408 Haight St (CN5214)

4G LTE Service Area BEFORE site is constructed

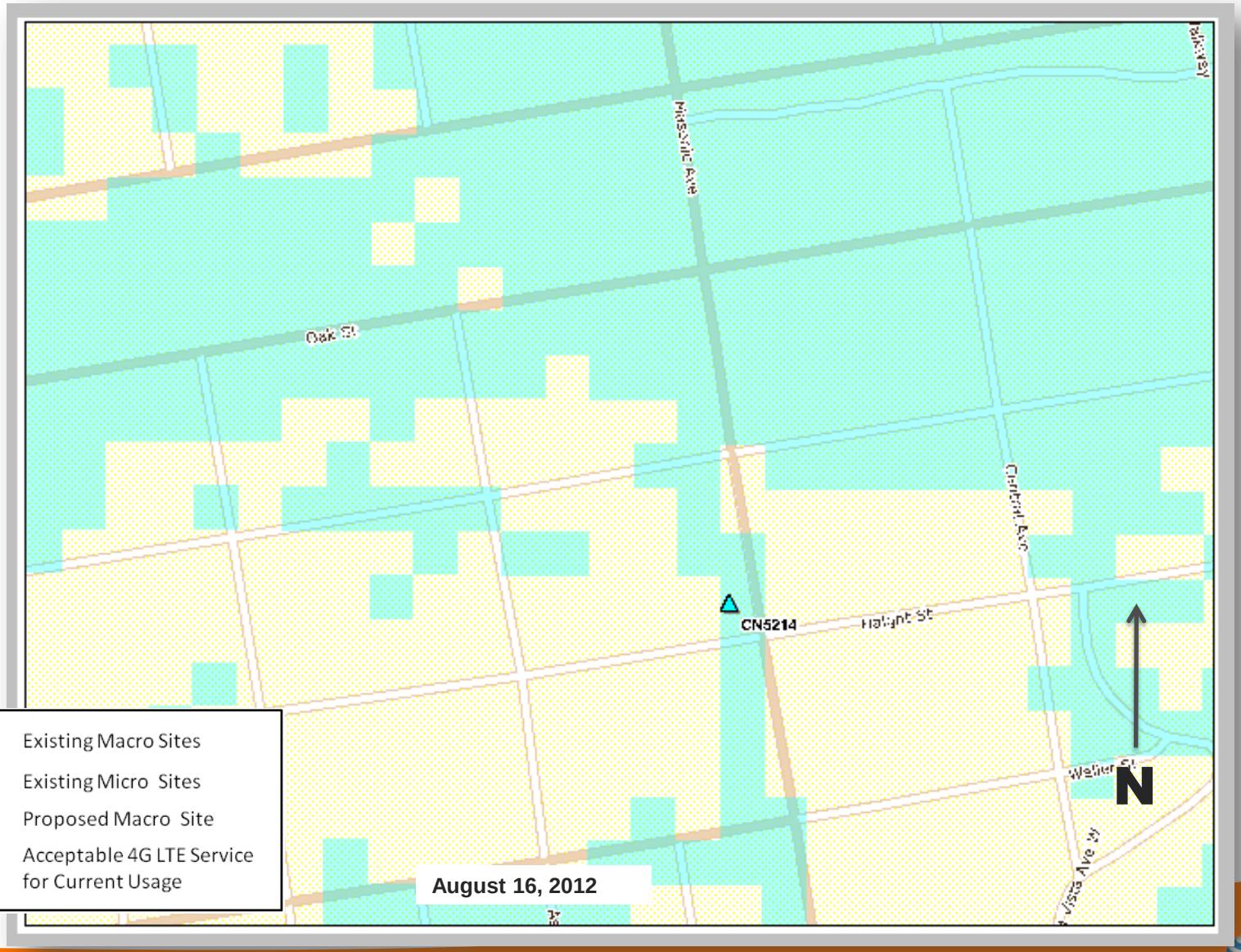
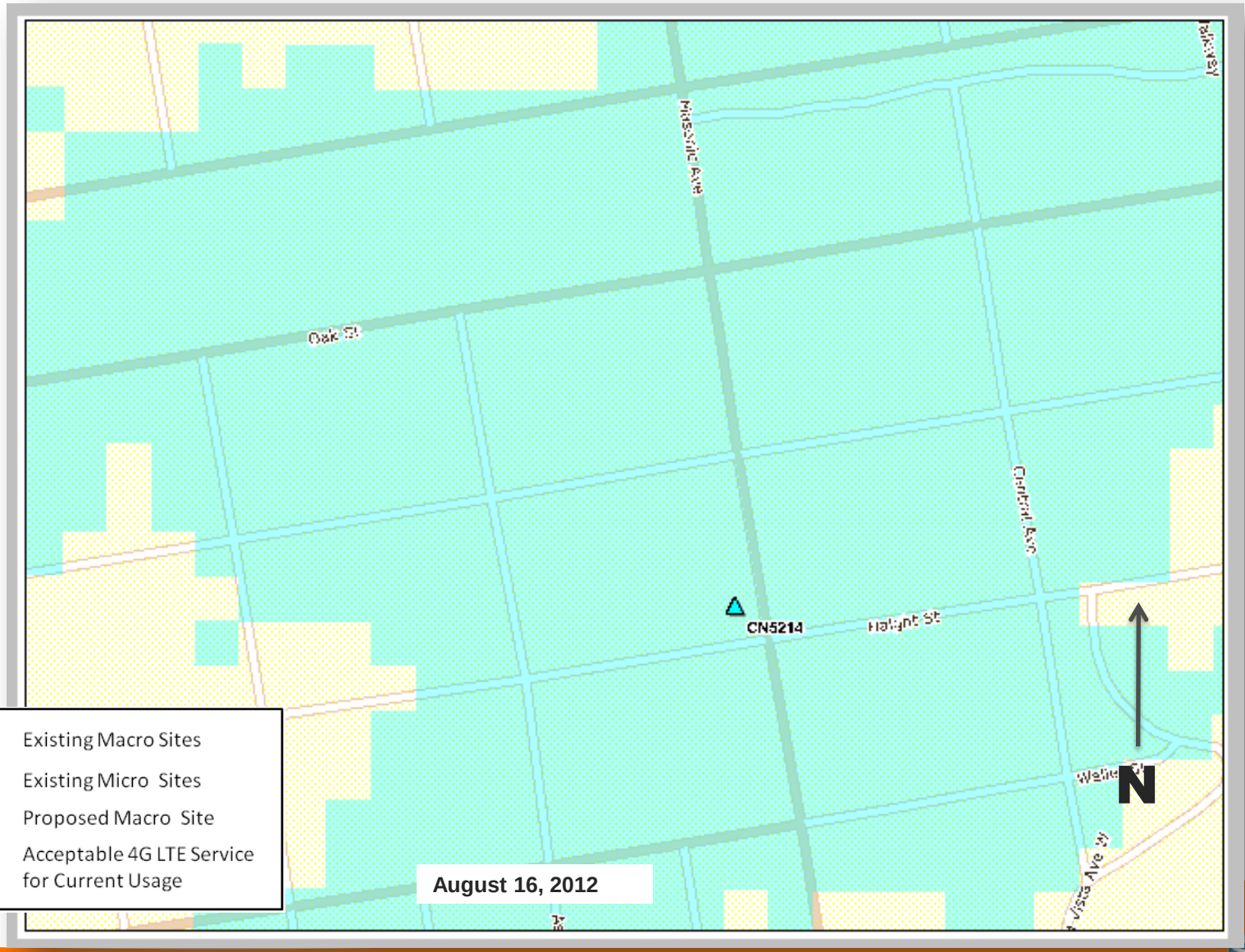


Exhibit 6 - Proposed Site at 1408 Haight St (CN5214)

4G LTE Service Area AFTER site is constructed

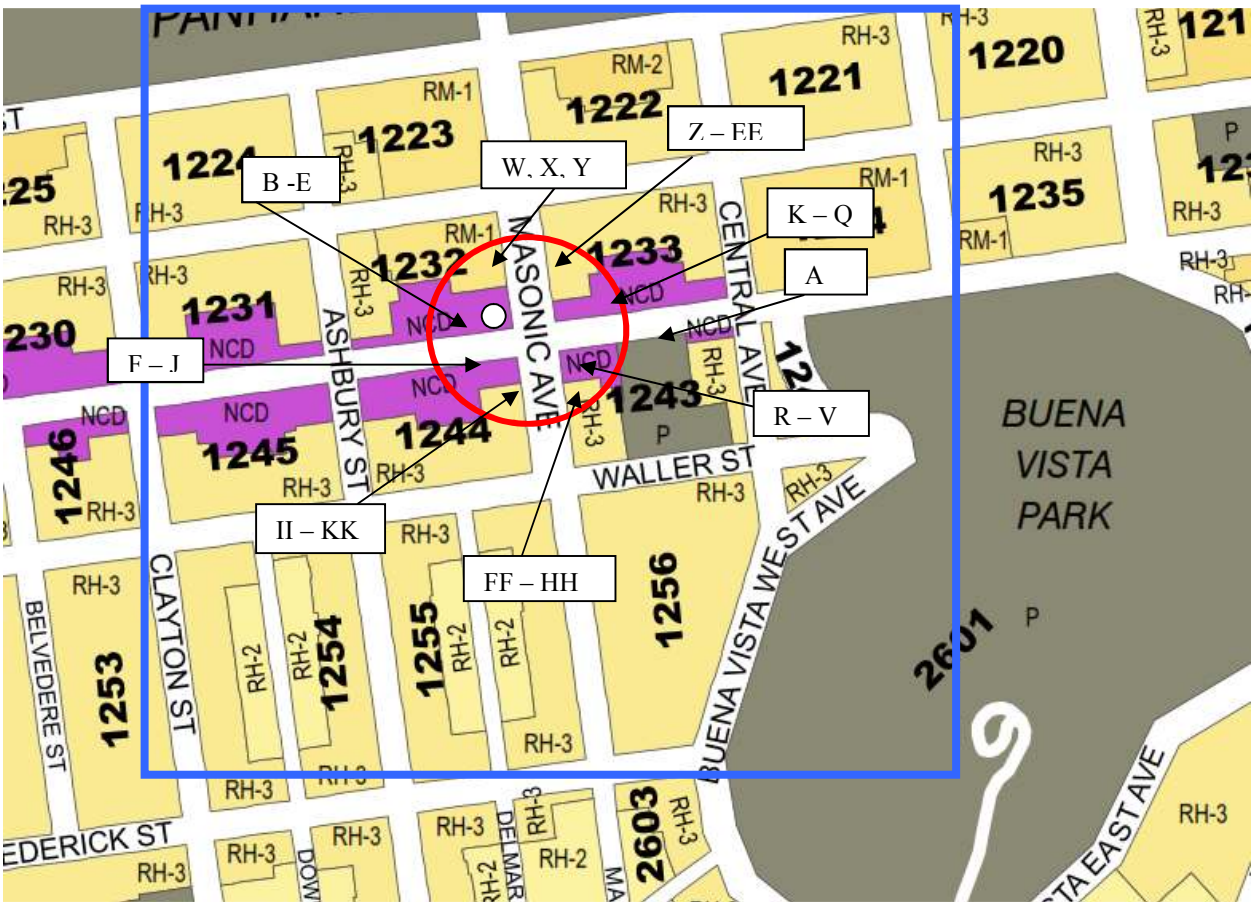


Existing Surrounding Sites at 1408 Haight St St

CN5214

Alternative Locations Evaluated

In order to achieve the service goals as previously defined, AT&T network engineers considered site locations in the area defined by the search ring in the previously attached Service Improvement Objective map. Above is a list of alternative sites that were evaluated by the AT&T Mobility network engineers and site acquisition team.



Service Area

Search Area

Subject Site

Alternative Site Locations Summary

	Location	Block / Lot	Zoning District	Building Type	WTS Siting Preference
A	1351 Haight Street	1243 / 008	P	School	1
B	1420 Haight Street	1232 / 005	Haight Street NCD	Commercial	6
C	1426 – 1428 Haight Street	1232 / 006	Haight Street NCD	Mixed Use	6
D	1430 – 1434 Haight Street	1232 / 007	Haight Street NCD	Commercial	6
E	1444 – 1454 Haight Street	1232 / 009	Haight Street NCD	Mixed Use	6
F	1401 – 1419 Haight Street	1244 / 001	Haight Street NCD	Commercial	6
G	1427 – 1433 Haight Street	1244 / 030	Haight Street NCD	Mixed Use	6
H	1437 – 1445 Haight Street	1244 / 029	Haight Street NCD	Mixed Use	6
I	1449 – 1455 Haight Street	1244 / 028	Haight Street NCD	Mixed Use	6
J	1457 – 1459 Haight Street	1244 / 027	Haight Street NCD	Mixed Use	6
K	1390 – 1392 Masonic Avenue	1233 / 022	Haight Street NCD	Mixed Use	6
L	1378 – 1388 Masonic Avenue	1233 / 021	Haight Street NCD	Mixed Use	6
M	1372 – 1376 Masonic Avenue	1233 / 020	Haight Street NCD	Mixed Use	6
N	1366 – 1370 Masonic Avenue	1233 / 019	Haight Street NCD	Residential	6
O	1360 – 1364 Masonic Avenue	1233 / 018	Haight Street NCD	Mixed Use	6
P	1354 – 1358 Masonic	1233 / 017	Haight Street	Residential	6

	Avenue		NCD		
Q	1348 – 1352 Masonic Avenue	1233 / 016	Haight Street NCD	Mixed Use	6
R	1391 – 1393 Haight Street	1243 / 029	Haight Street NCD	Mixed Use	6
S	1375 Haight Street	1243 / 030	Haight Street NCD	Mixed Use	6
T	1367 – 1371 Haight Street	1243 / 031	Haight Street NCD	Mixed Use	6
U	1206 – 1210 Masonic Avenue	1243 / 028	Haight Street NCD	Mixed Use	6
V	1214 Masonic Avenue	1243 / 027	Haight Street NCD	Residential	6
W	1135 Masonic Avenue	1232 / 003A	RM-1	Residential	7
X	1125 – 1129 Masonic Avenue	1232 / 003	RM-1	Residential	7
Y	1121 Masonic Avenue	1232 / 043, 044, 045	RM-1	Residential	7
Z	1148 – 1150 Masonic Avenue	1233 / 023	RH-3	Residential	7
AA	1144 Masonic Avenue	1233 / 024	RH-3	Residential	7
BB	1138 – 1140 Masonic Avenue	1233 / 039	RH-3	Residential	7
CC	1132 – 1134 Masonic Avenue	1233 / 055, 056	RH-3	Residential	7
DD	1126 – 1128 Masonic Avenue	1233 / 026	RH-3	Residential	7
EE	1118 – 1120 Masonic Avenue	1233 / 027	RH-3	Residential	7
FF	1220 – 1222 Masonic Avenue	1243 / 026	RH-3	Residential	7
GG	1226 Masonic Avenue	1243 / 025	RH-3	Residential	7

HH	1232 Masonic Avenue	1243 / 024	RH-3	Residential	7
II	1221 Masonic Avenue	1244 / 002	RH-3	Residential	7
JJ	1227 – 1231 Masonic Avenue	1244 / 003	RH-3	Residential	7
KK	1233 – 1237 Masonic Avenue	1244 / 042, 043, 044	RH-3	Residential	7

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 1400 Haight Street (The Subject Location) is a Preference 6 Location, in that the building is a mixed used building located within the Haight Street Neighborhood Commercial zoning district. Although the building does contain another wireless telecommunications facility, it is a microcell facility so it is not considered a collocation site.

Site Justification

The defined search ring is located in an area comprised of a mix of residential zoning districts and the Haight Street Neighborhood Commercial District. The RH-3 (Residential, House) district is characterized by structures with one to three units. The predominant form is large flats rather than apartments, with a fine or moderate scale. The RM-1 (Residential, Mixed) district is characterized by a mixture of the dwelling types found in RH Districts, but in addition it has a significant number of apartment buildings that broaden the range of unit sizes and the variety of structures, with structures that rarely exceed 40 feet in height. The Subject Location is a three-story mixed use building with residential units over ground floor commercial uses. The Subject Location is the least intrusive means to close the significant service coverage gap as it provides the required height and location required for an AT&T WTS facility to meet the defined service coverage objective.

The proposed installation includes the installation of twelve panel antennas and associated RRUs and cabinets on the roof of the existing building. Six antennas would be façade-mounted behind screening and six antennas would be mounted on the roof of the existing building, behind existing street trees. The associated equipment cabinets would be located on the roof the existing building and would not be visible to the public.

1. Publicly-used structures:

Alternative Site Location A
1351 Haight Street

This two-story building at 1351 Haight Street is the William de Avila Chinese Immersion School. It is a public school in the P (Public) zoning district and is a Preference 1 Location according to the WTS Guidelines. This building is located south and east of the subject property, at the outer edge of the of the search ring. As a Preference 1 Location, AT&T considered this location, however it is the policy of the School District 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.

Further, a WTS facility at this location would not provide adequate service coverage to the west along Haight 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: The search ring is centered on the corner of Haight Street and Masonic Avenue and contains several mixed use and commercial structures in the Haight Street Neighborhood Commercial District.

Alternative B
1420 Haight Street

The two-story building at 1420 Haight Street is a wholly commercial building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building does not have clear line-of-sight to the east as it is blocked by the subject building at 1400 Haight Street. Further, the roof form of this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative C
1426 – 1428 Haight Street

The two-story building at 1426 – 1428 Haight Street is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building does not provide a clear signal path to the east as it is blocked by the subject building at 1400 Haight Street. Further, the lower height of this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative D
1430 – 1434 Haight Street

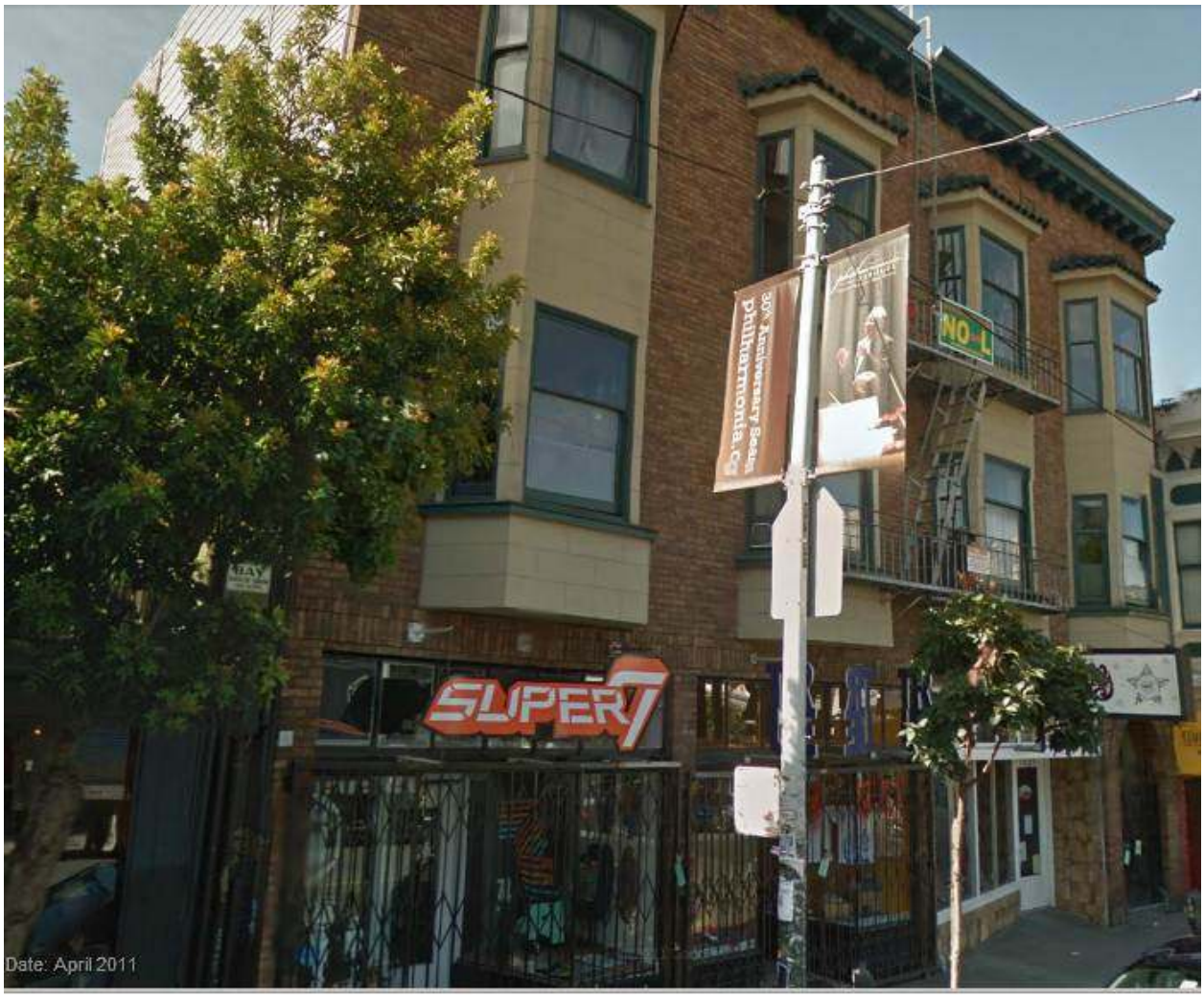
The one-story building at 1430 – 1434 Haight Street is a wholly commercial building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building does not provide a clear signal path to the east as it is blocked by the adjacent buildings to the east, including the subject building at 1400 Haight Street. Further, the lower height of this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative E
1444 – 1454 Haight Street

The two-story building at 1444 – 1454 Haight Street is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building does not provide a clear signal path to the east as it is blocked by the adjacent buildings to the east, including the subject building at 1400 Haight Street. Further, the lower height of this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative F
1401 – 1419 Haight Street

The one-story building at 1401 – 1419 Haight Street is a wholly commercial building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building does not provide a clear signal path to the east, west, or north as it is blocked by surrounding buildings, including the subject building at 1400 Haight Street. Further, the lower roof of this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.



Alternative G
1427 – 1433 Haight Street

The three-story building at 1427 – 1433 Haight Street is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. Although this building is similar in height to the subject building, it is located midblock and therefore requires increased height in order to provide service to the target area. Therefore this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative H
1437 – 1445 Haight Street

The two-story building at 1437 – 1445 Haight Street is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building does not provide a clear signal path to the east, west, or north as it is blocked by adjacent buildings to the east and west and by the subject building at 1400 Haight Street to the north. Further, the lower roof of this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternatives I & J
1449 – 1455 Haight Street
1457 – 1459 Haight Street

These three-story buildings at 1449 – 1455 Haight Street and 1457 – 1459 Haight Street are mixed use buildings in the Haight Street Neighborhood Commerical District and are Location Peference 6 buildings according to the WTS Guidelines. Although these buildings are similar in height to the subject building, they are located midblock and therefore require increased height in order to provide service to the target area. Therefore these buildings do not allow antenna design integration that would allow for effective screening to minimize their visibility from public view. Further, these buildings are at the outside edge of the search area, rather than the center as the subject building, thus the subject building is more able to adequately serve the target area.

Alternative K
1390 – 1392 Haight Street

The three-story building at 1390 – 1392 Haight Street is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. AT&T did consider this building, however the building was not structurally able to accommodate the necessary equipment. Further, in order to achieve a clear signal path, the antennas would have had to be tall, resulting in structural impracticalities and a design with a negative visual impact.

Alternative L
1378 – 1388 Haight Street

The three-story building at 1378 – 1388 Haight Street is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building was considered with the adjacent building at 1390 – 1392 Haight as they are owned by the same property owner, however this building also was not structurally able to accommodate the necessary equipment. Further, in order to achieve the necessary signal path, the antennas would have had to be tall, resulting in structural impracticalities and a design with a negative visual impact.

Alternatives M & N
1372 – 1376 Haight Street
1366 – 1370 Haight Street

The two three-story buildings at 1372 – 1376 Haight Street and 1366 – 1370 Haight Street are wholly residential buildings in the Haight Street Neighborhood Commerical District and are Location Peference 6 buildings according to the WTS Guidelines. Although these buildings are similar in height to the subject building, they are located midblock and therefore require increased height in order to provide service to the target area. Therefore these buildings do not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative O
1360 – 1364 Haight Street

The three-story building at 1360 – 1364 Haight Street is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. Although this building is similar in height to the subject building, it is located midblock and therefore requires increased height in order to provide service to the target area. Therefore this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative P
1354 – 1358 Haight Street

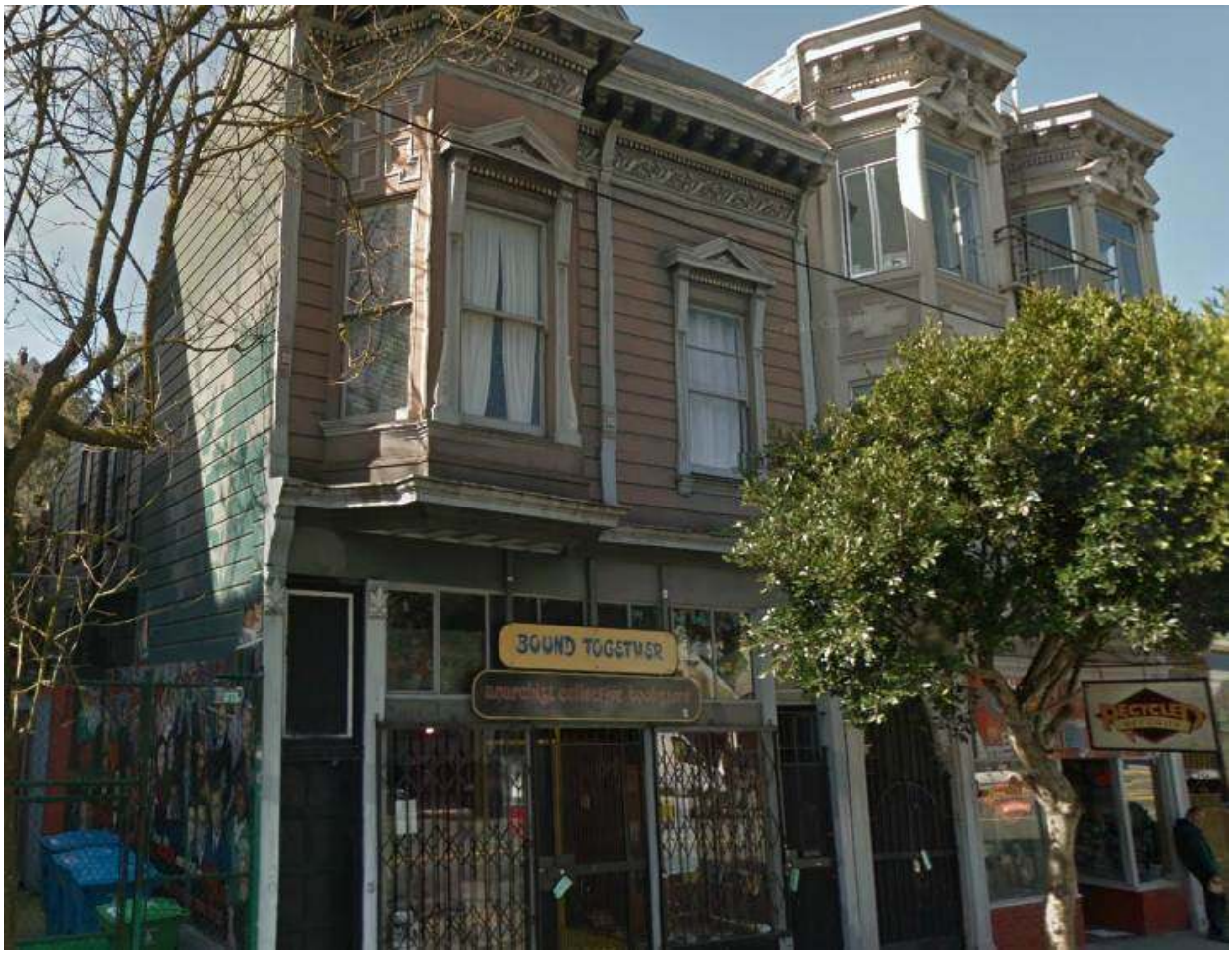
The three-story building at 1360 – 1364 Haight Street is a wholly residential building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. Although this building is similar in height to the subject building, it is located midblock and therefore requires increased height in order to provide service to the target area. Therefore this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative Q
1348 – 1352 Haight Street

The three-story building at 1348 – 1352 Haight Street is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. Although this building is similar in height to the subject building, it is located midblock and therefore requires increased height in order to provide service to the target area. Therefore this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative R
1391 – 1393 Haight Street
1200 Masonic Avenue

The three-story building at 1391 – 1393 Haight Street/1200 Masonic Avenue is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. In addition to being a historic resource, this building has a pitched roof that does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.



Alternatives S & T
1375 Haight Street
1367 – 1371 Haight Street

The two- and three-story buildings at 1375 Haight Street and 1367 – 1371 Haight Street are mixed use buildings in the Haight Street Neighborhood Commerical District and are Location Peference 6 buildings according to the WTS Guidelines. Although these buildings are similar in height to the subject building, they are located midblock and therefore require increased height in order to provide service to the target area. Therefore these buildings do not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative U
1206 – 1210 Masonic Avenue

The two-story building at 1206 – 1210 Masonic Avenue is a mixed use building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building is unable to provide a clear signal path to the east, west, or north as it is blocked by the adjacent and surrounding buildings. Further, the lower roof of this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

Alternative V
1214 Masonic Avenue

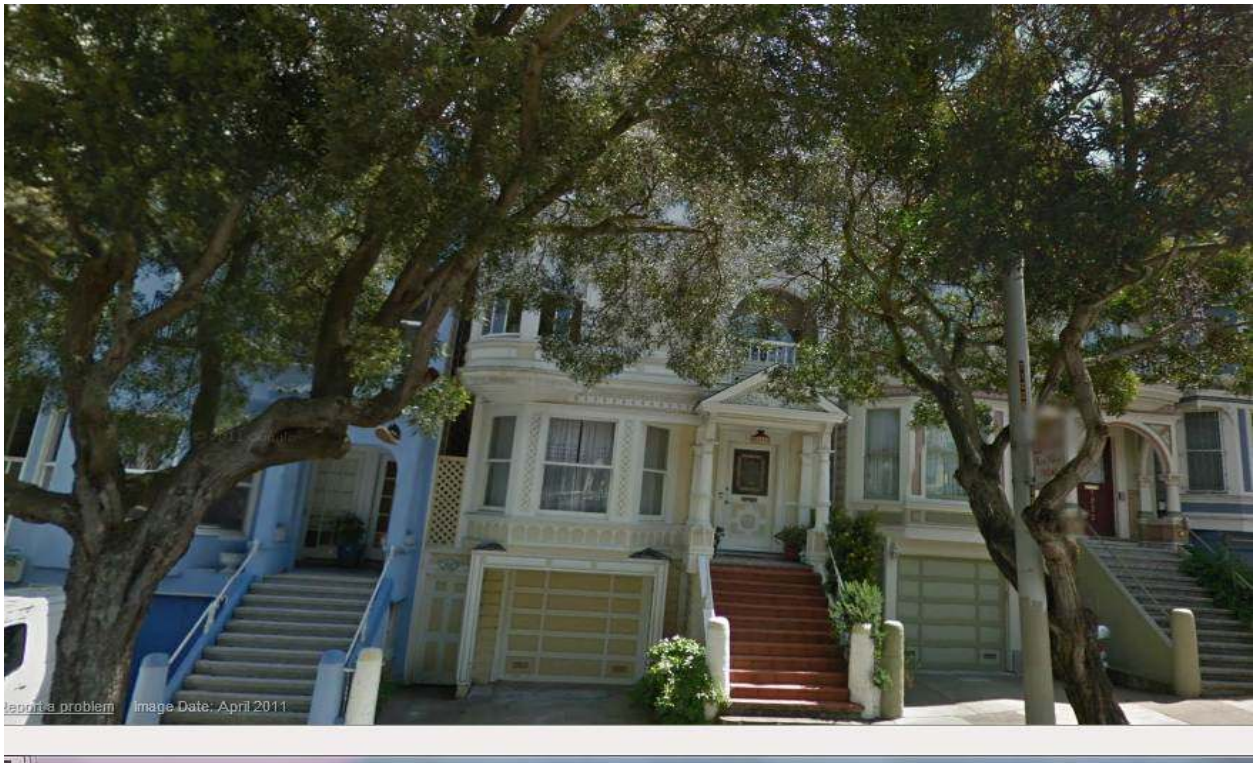
The three-story building at 1214 Masonic Avenue is a wholly residential building in the Haight Street Neighborhood Commerical District and is a Location Peference 6 according to the WTS Guidelines. This building is unable to provide a clear signal path to the east, west, or north as it is blocked by the adjacent and surrounding buildings. Further, the pitched roof of this building does not allow antenna design integration that would allow for effective screening to minimize their visibility from public view.

7. Disfavored Sites: There are also properties in the area surrounding the subject site that are entirely residential. These properties contain wholly residential buildings in the RH-3 and RM-1 districts, making them Location Preference 7 sites. These sites were not chosen as they are lower preference sites and AT&T pursued candidates in order of preference as directed by the WTS Guidelines. The subject location at 1400 Haight Street is a Preference 6 Location, which is more preferred under the WTS guidelines than the Location 7 sites discussed below.

Alternatives W, X & Y
1135 Masonic Avenue
1123 – 1129 Masonic Avenue
1121 Masonic Avenue

Alternatives Z, AA, BB
1148 – 1150 Masonic Avenue
1144 Masonic Avenue
1138 – 1140 Masonic Avenue

Alternatives CC, DD, EE
1132 – 1134 Masonic Avenue
1126 – 1128 Masonic Avenue
1118 – 1120 Masonic Avenue



Alternatives FF, GG, HH
1220 – 1222 Masonic Avenue
1226 Masonic Avenue
1232 Masonic Avenue

Alternatives II, JJ, KK
1221 Masonic Avenue
1227 – 1231 Masonic Avenue
1233 – 1237 Masonic Avenue

TOWN
CONSULTING

April 5, 2013

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

Re: Case No. 2012 1370C
Community meeting for proposed AT&T Mobility facility at 1400 Haight Street

Dear Mr. Masry,

On March 26, 2013, AT&T Mobility held a community meeting regarding the proposed wireless facility at 1400 Haight Street. The attached notification announced the community presentation that was held at the Park Branch Library, 1833 Page Street, San Francisco, CA at 6:00 p.m. Notice of the meeting was mailed out on March 12, 2013 to 910 owners and tenants within 500 feet of the proposed installation and 17 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.

Two 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 neighborhood. Questions were also raised regarding how quickly the site could be built and coverage would be improved in the neighborhood.

Please contact me if you have any questions or concerns.

Sincerely,

Kelly Pepper
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

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

To: Neighborhood Groups, Neighbors & Owners within 500' radius of 1400 Haight Street

Meeting Information
Date: Tuesday, March 26, 2013
Time: 6:00 p.m.

Where Park Branch Library
1833 Page Street
San Francisco, CA 94117

Site Information
Address: 1400 Haight Street
Haight Street Neighborhood
Commercial District

Applicant
AT&T Mobility

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

AT&T Mobility is proposing to install a wireless communication facility at 1400 Haight Street needed by AT&T Mobility as part of its San Francisco wireless network. The proposed site is an unmanned facility consisting of the installation of twelve (12) panel antennas. The antennas will be mounted on the façade and the roof of the building and will be screened. The associated equipment would be located on the roof of the building, 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 Park Branch Library, 1833 Page Street at 6:00 p.m. to learn more about the project.

If you have any questions regarding the proposal and are unable to attend the meeting, please contact the AT&T Mobility Hotline at (415) 646-0972 and an AT&T Mobility specialist will return your call.

NOTE: If you require an interpreter to be present at the meeting, please contact our office at (415) 646-0972 no later than 5:00pm on Friday, March 22, 2013 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, vecinos y propietarios dentro de un radio de 500' de 1400 Haight Street

Información de la reunión
Fecha: Martes, 26 de marzo de 2013
Hora: 6:00 p.m.

Dónde Park Branch Library
1833 Page Street
San Francisco, CA 94117

Información del lugar
Dirección: 1400 Haight Street
Vecindario de Haight Street
Distrito Comercial

Solicitante
AT&T Mobility

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

AT&T Mobility propone instalar una instalación de comunicaciones inalámbricas en 1400 Haight Street necesaria para AT&T Mobility como parte de su red inalámbrica en San Francisco. La ubicación propuesta de AT&T Mobility es una instalación sin personal que consiste en la instalación de doce (12) antenas panel. Las antenas se montarán en la fachada y en el techo del edificio y estarán cubiertas con una mampara. El equipamiento asociado estará ubicado en el techo del edificio y no estará visible al 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 at Park Branch Library, 1833 Page Street a las 6:00 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.

NOTA: Si necesita que un intérprete esté presente en la reunión, por favor, contacte a nuestra oficina al (415) 646-0972 el viernes, 22 de marzo de 2013 antes de 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：Haight 街 1400 號周圍五百英尺內的居民組織、居民和業主

會議資訊
日期： **2013 年** 3 月 26 日（星期二）
時間： 下午 6:00
地點： 加利福尼亞州三藩市Page街1833號 Park Branch Library（郵遞區號94117）

設施地點資訊
地址：Haight 街 1400 號
Haight Street Neighborhood
Commercial District

申請公司
AT&T Mobility

聯繫資訊
AT&T Mobility公司熱線電話
(415) 646-0972

AT&T Mobility 公司計畫在 Haight 街 1400 號安裝一座無線通訊設施，作為 AT&T Mobility 公司在三藩市無線網路的一部分。計畫中的 AT&T Mobility 站為無人操作設施，需要安裝十二(12) 根平板天線。這些天線將被安裝在建築物門臉和屋頂，並且遮蔽起來。相關設備也將被放置在建築物屋頂，公眾不會看見。我們在會上將提供計畫書和類比圖片供您參考。我們誠邀您參加下午六點在 Park Branch Library, 1833 Page Street 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。

注意：如果您需要一名翻譯陪同您出席會議，請在不晚於 2013 年 3 月 22 日（星期五）下午 5 點前致電 (415) 646-0972 與本辦公室聯繫，我們將盡力為您配備一名翻譯。

1400 Haight Street Community Meeting
March 26, 2013

Name	*Address*	*Phone/Email*
DAVE GROESCHEL	1408 HAIGHT	mom@momstattoosf.com

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 DM1438@ATT.COM

September 5, 2012

Ms. Debra Mulgannon
AT&T Mobility
Area Manager San Francisco
430 Bush Street
San Francisco, California 94108

Dear Debra:

As you requested, we have conducted the review required by the City of San Francisco of the coverage maps that AT&T Mobility will submit as part of its application package for its base station proposed to be located at 1400 Haight Street (Site No. CN5214). This is to fulfill the submittal requirements for Planning Department review.

Executive Summary

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

AT&T proposes to install twelve directional panel antennas – three Andrew Model SBNH-1D4545A-VTM, one Powerwave Model P45-16-XLH-RR, and eight Andrew Model DBXCP-4545A-VTM – in groups of three above the upper roof of the three-story mixed-use building located at 1400 Haight Street. Two groups would be installed behind a new view screen on the outside of the upper roof parapet on the west side of the building, mounted at an effective height of about 42 feet above ground, 23½ feet above the lower roof. The remaining two groups would be installed on short poles above the sloped roof section on the east side of the building, mounted at an effective height of about 52 feet above ground, 2½ feet above the sloped roof. The twelve antennas would be oriented with up to 6° downtilt toward 40°T, 120°T, 220°T, and 300°T, to provide service in all directions. The maximum effective radiated power proposed by AT&T in any direction is 8,230 watts, representing simultaneous operation at 5,980 watts for PCS, 1,000 watts for cellular, and 1,250 watts for 700 MHz service.

AT&T provided for review two pairs of coverage maps, dated August 16, 2012, separately showing AT&T's cellular UMTS (850 MHz) and 4G LTE (700 MHz) coverage in the area before and after the site is operational. Both the before and after UMTS maps show three levels of coverage, which AT&T colors and defines as follows:

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.**

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

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

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 September 4, 2012, between 6:45 PM and 8:20 PM, during peak times (5:00 to 10:00 PM) for data and voice traffic shown in the 24-hour traffic profile provided by AT&T for this site.

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

Based on the measurement data, we conclude that the UMTS and the 4G LTE AT&T coverage maps showing the service area without the proposed installation accurately represent the carrier's present coverage. The maps submitted to show the after coverage with the proposed new base station in operation 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.

tm

CN5214
POSITIVELY HAIGHT

1400 HAIGHT STREET
SAN FRANCISCO, CA 94117

USA North
CALL: 811
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

APPROVAL LIST

TITLE	SIGNATURE	DATE
CONSTRUCTION MANAGER		
SITE ACQUISITION		
ZONING MANAGER		
RF ENGINEER		
AT&T		

CODE COMPLIANCE

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

1. CALIFORNIA CODE OF REGULATIONS
2. 2010 CALIFORNIA BUILDING CODE
3. 2010 CALIFORNIA MECHANICAL CODE
4. 2010 CALIFORNIA PLUMBING CODE
5. 2010 CALIFORNIA ELECTRIC CODE
6. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
7. CITY/COUNTY ORDINANCES

HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 1103B.

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF:

1. TWELVE (12) AT&T OUTDOOR PANEL ANTENNAS TO BE MOUNTED ON (E) WALL & PENTHOUSE. 135 SQUARE FEET
2. SEVEN (7) AT&T EQUIPMENT CABINETS TO BE MOUNTED AT (N) EQUIPMENT PLATFORM ON (E) ROOF. 116 SQUARE FEET
3. ANTENNA COAXIAL TRANSMISSION LINES FROM BTS TO ANTENNAS.

POWER & TELEPHONE SERVICE TO BE PROVIDED FROM (E) SOURCES

DRIVING DIRECTIONS

FROM: 430 BUSH STREET, SAN FRANCISCO, CA 94108
TO: 758 DIVISADERO ST, SAN FRANCISCO, CA 94117

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 – 1.5 MI
4. TURN LEFT ONTO WEBSTER ST – 0.9 MI
5. TURN RIGHT ONTO FELL ST – 0.5 MI
6. TURN LEFT ONTO MASONIC AVE – DESTINATION WILL BE ON THE RIGHT – 0.2 MI

ESTIMATED TIME: 15 MINS
ESTIMATED DISTANCE: 3.7 MI

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 22"x34"

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

PROJECT TEAM

ARCHITECT / ENGINEER:
XXXX

APPLICANT/LESSEE:
AT&T
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108

PROJECT MANAGER:
ERICSSON
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108
CONTACT: RICHARD F. NEWMAN
PHONE: (415) 774-1288
EMAIL: richard.f.newman@ericsson.com

ZONING MANAGER:
TOWN CONSULTING
100 CLEMENT ST, FLOOR 3
SAN FRANCISCO, CA 94118
CONTACT: KELLY PEPPER
PHONE: (415) 307-5082
EMAIL: kelly@townconsulting.com

SITE ACQUISITION:
TOWN CONSULTING
846 HIGUERA ST, STE#12
SAN LUIS OBISPO, CA 93401
CONTACT: JOHN MERRITT
PHONE: (805) 788-0866
EMAIL: merrittemc@att.net

CONSTRUCTION MANAGER:
ERICSSON
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108
CONTACT: TONY PINO
PHONE: (415) 760-4921
EMAIL: nelson.pino@ericsson.com

RF ENGINEER:
AT&T
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108
CONTACT: DUMINDU HERATH
PHONE: (415) 774-1562
EMAIL: dh9460@att.com

PROJECT INFORMATION

SITE ADDRESS:	1400 HAIGHT STREET SAN FRANCISCO, CA 94117
A.P.N.:	1232-004
LAND OWNER:	CARL EDWARD OLSON 1157-59 MASONIC STREET, LLC 55 W OAK KNOLL DRIVE SAN ANSELMO, CA 94960
LATITUDE:	37° 46' 13.31" (NAD 83)
LONGITUDE:	122° 26' 44.37" (NAD 83)
ZONING:	NCD
AMSL:	321.4'
JURISDICTION:	CITY & COUNTY OF SAN FRANCISCO
TELEPHONE:	AT&T
POWER:	PG&E

VICINITY MAP

SAN FRANCISCO

N

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
LS-1	SURVEY
A-1	OVERALL SITE / ROOF PLAN
A-2	ENLARGED ANTENNA/ EQUIPMENT LAYOUT
A-3	ELEVATIONS
A-4	ELEVATIONS
A-5	EQUIPMENT DETAILS
A-6	EQUIPMENT DETAILS

at&t

PROJECT ARCHITECT:

PROJECT INFORMATION:

CN5214
POSITIVELY HAIGHT
1400 HAIGHT STREET
SAN FRANCISCO, CA 94117

CURRENT ISSUE DATE:
02/25/13

ISSUED FOR:
100% ZONING DRAWINGS-REVISED FOR REVIEW ONLY

DRAWN BY:	CHK.:	APV.:
FI	MWA	MW

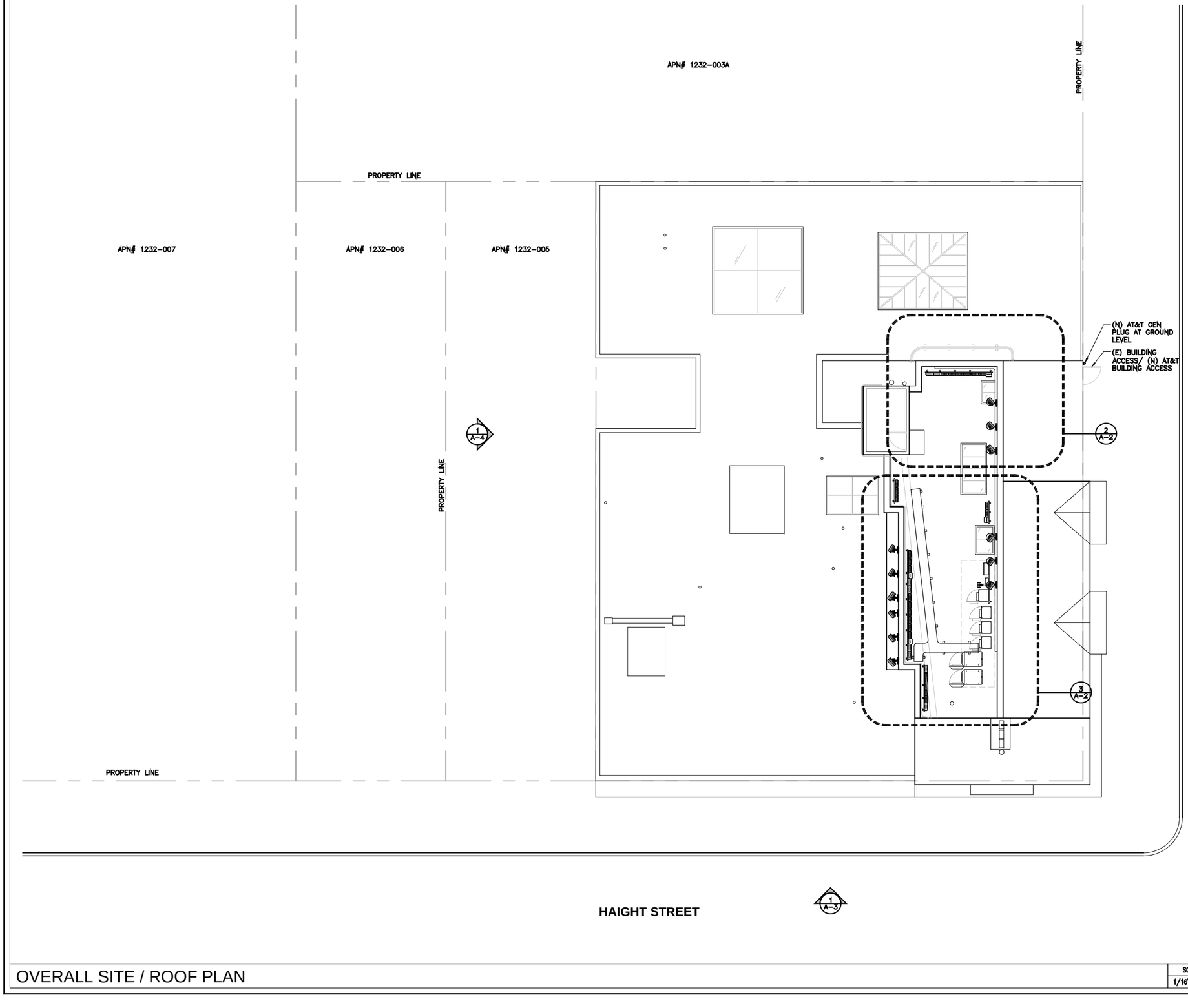
REV.:	DATE:	DESCRIPTION:	BY:
0	10/31/12	100% ZONING DRAWINGS	FI
A	02/13/13	100% ZONING DRAWINGS – REVISED FOR REVIEW ONLY	FI
B	02/25/13	100% ZONING DRAWINGS – REVISED FOR REVIEW ONLY	FI

RFDS REVISION	VERSION	DATE
REVISED LTE	V16	8/14/12

LICENSER:

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1



OVERALL SITE / ROOF PLAN

SCALE: 1/16"=1'-0" 0 4' 8' 16' 32'

1

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RFDS REVISION	VERSION	DATE
REVISED LTE	V16	8/14/12

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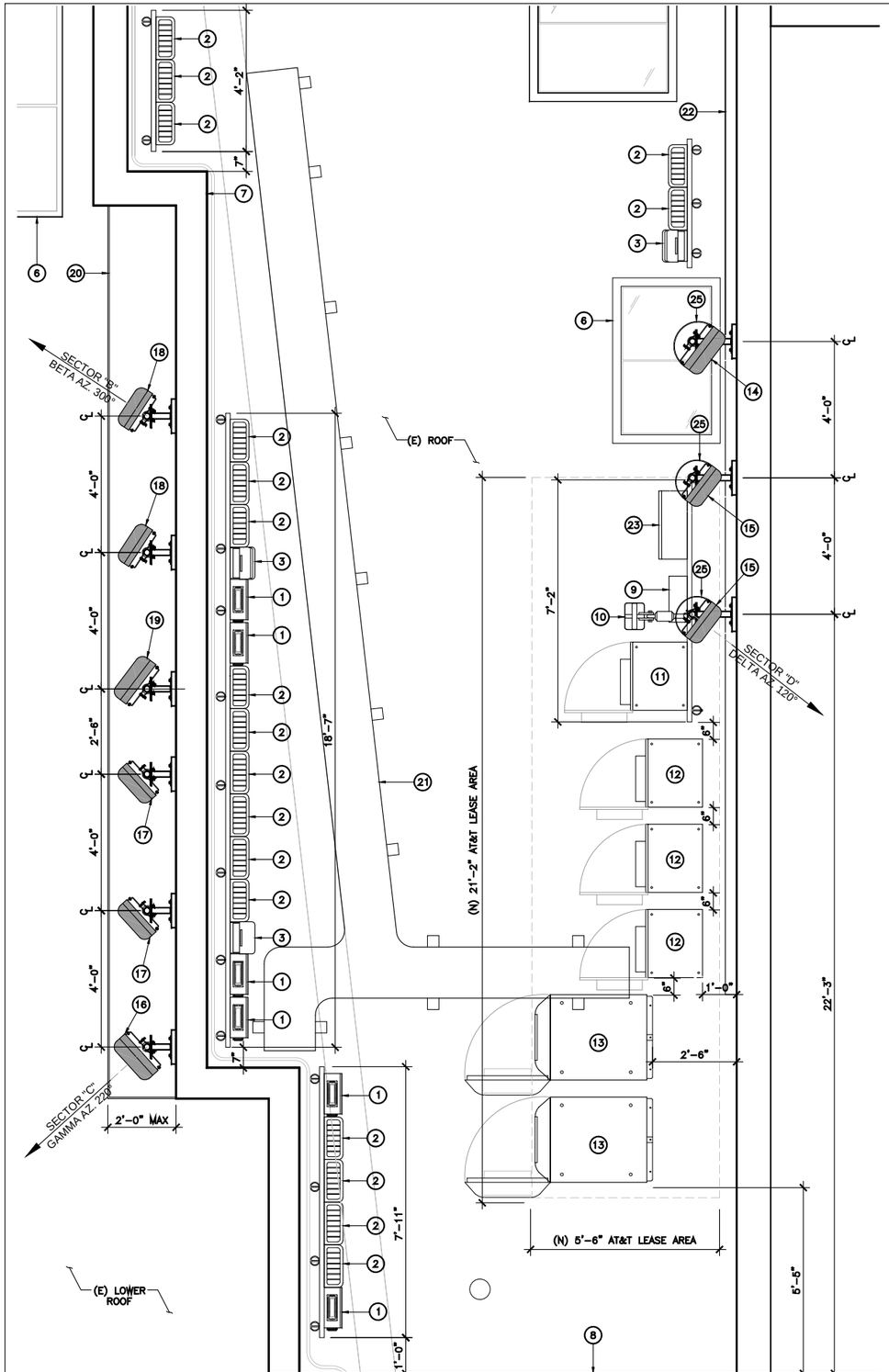
SHEET TITLE:
OVERALL SITE/ ROOF PLAN

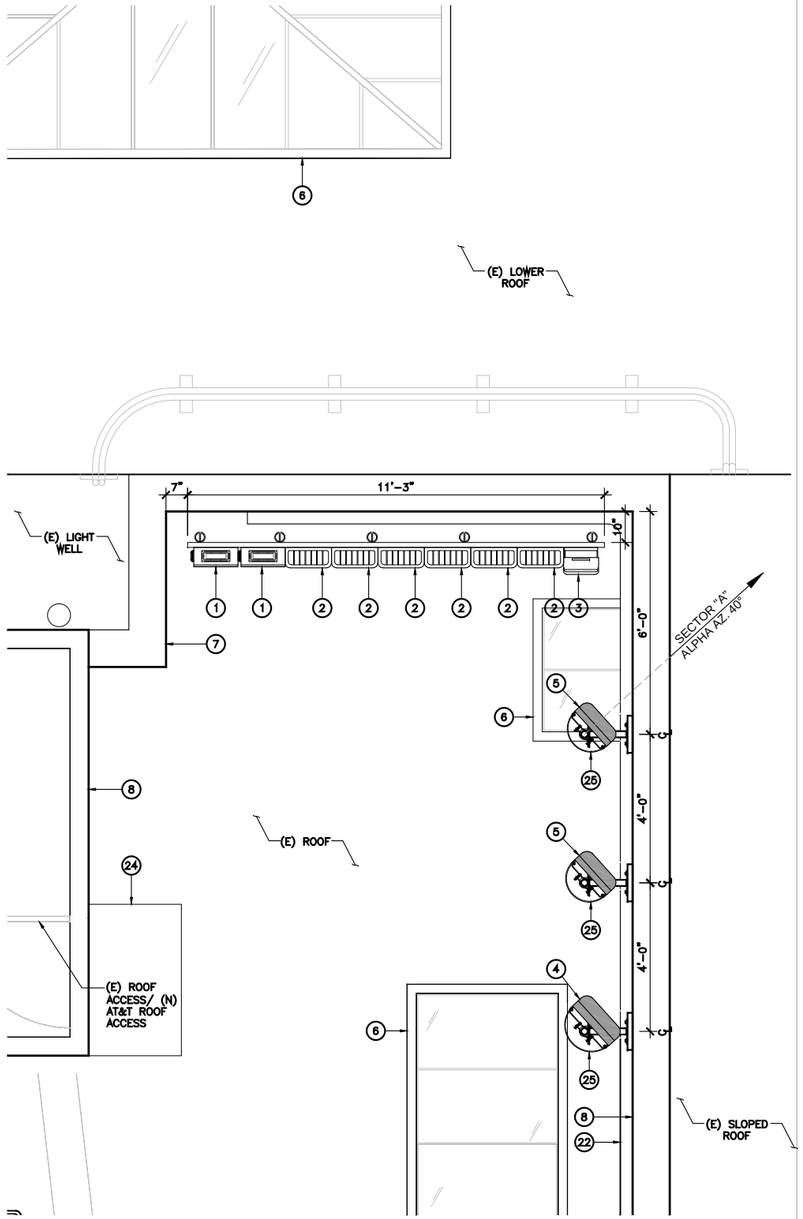
SHEET NUMBER:
A-1



ENLARGED ANTENNA & EQUIPMENT PLAN

SCALE: 1/2"=1'-0" (0, 1', 4')

3



ENLARGED ANTENNA LAYOUT

SCALE: 1/2"=1'-0" (0, 1', 4')

2

KEYED NOTES

1

1. (N) AT&T DC SURGE ARRESTOR MOUNTED AT H-FRAME, TYP. OF 8 (2 PER SECTOR) — 3/A-5
2. (N) AT&T RRUW MOUNTED AT H-FRAME. TYP OF 24 (6 PER SECTOR) — 1/A-5
3. (N) AT&T RRH MOUNTED AT H-FRAME. TYP OF 4 (1 PER SECTOR) — 2/A-5
4. (N) AT&T PANEL ANTENNA (20° AZIMUTH, SECTOR 'A'), PAINT TO MATCH (E) BUIDING, TYP OF 1 — 4/A-6
5. (N) AT&T PANEL ANTENNA (20° AZIMUTH, SECTOR 'A'), PAINT TO MATCH (E) BUIDING, TYP OF 2 — 3/A-6
6. (E) SKYLIGHT
7. (E) PARAPET
8. (E) PENTHOUSE
9. (N) AT&T UAM/CIENNA BOX & FTP BOX AT H-FRAME — 5/A-5 SIM
10. (N) AT&T SERVICE LIGHT — 5/A-5 SIM
11. (N) AT&T LTE PURCELL CABINET AT H-FRAME — 2/A-6, 5/A-5 SIM
12. (N) AT&T PURCELL CABINET, TYP. OF 5 STACK-MOUNTED — 2/A-6
13. (N) AT&T RBA 72 BATTERY CABINET, TYP. OF 2 — 1/A-6
14. (N) AT&T PANEL ANTENNA (120° AZIMUTH, SECTOR 'D'), PAINT TO MATCH (E) BUIDING, TYP OF 1 — 4/A-6
15. (N) AT&T PANEL ANTENNA (120° AZIMUTH, SECTOR 'D'), PAINT TO MATCH (E) BUIDING, TYP OF 2 — 3/A-6
16. (N) AT&T PANEL ANTENNA (220° AZIMUTH, SECTOR 'C'), TYP OF 1 — 4/A-6
17. (N) AT&T PANEL ANTENNA (220° AZIMUTH, SECTOR 'C'), TYP OF 2 — 3/A-6
18. (N) AT&T PANEL ANTENNA (300° AZIMUTH, SECTOR 'B'), TYP OF 2 — 3/A-6
19. (N) AT&T PANEL ANTENNA (300° AZIMUTH, SECTOR 'B'), TYP OF 1 — 4/A-6
20. (N) AT&T FRP SCREEN TO MATCH (E)
21. (N) AT&T 18" CABLE TRAY MOUNTED ON DURA BLOCK SLEEPERS W/ GRIP STRUTS ON TOP
22. (N) AT&T WALL MOUNTED CABLE TRAY
23. (N) AT&T PPC CABINET AT H-FRAME
24. (E) AWNING
25. (N) AT&T CABLE COVER, PAINT TO MATCH (E) BUILDING, TYP. OF 6 — 4/A-5

at&t

PROJECT ARCHITECT:

PROJECT INFORMATION:

CN5214
POSITIVELY HAIGHT
1400 HAIGHT STREET
SAN FRANCISCO, CA 94117

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RFDS REVISION	VERSION	DATE
REVISED LTE	V16	8/14/12

LICENSER:

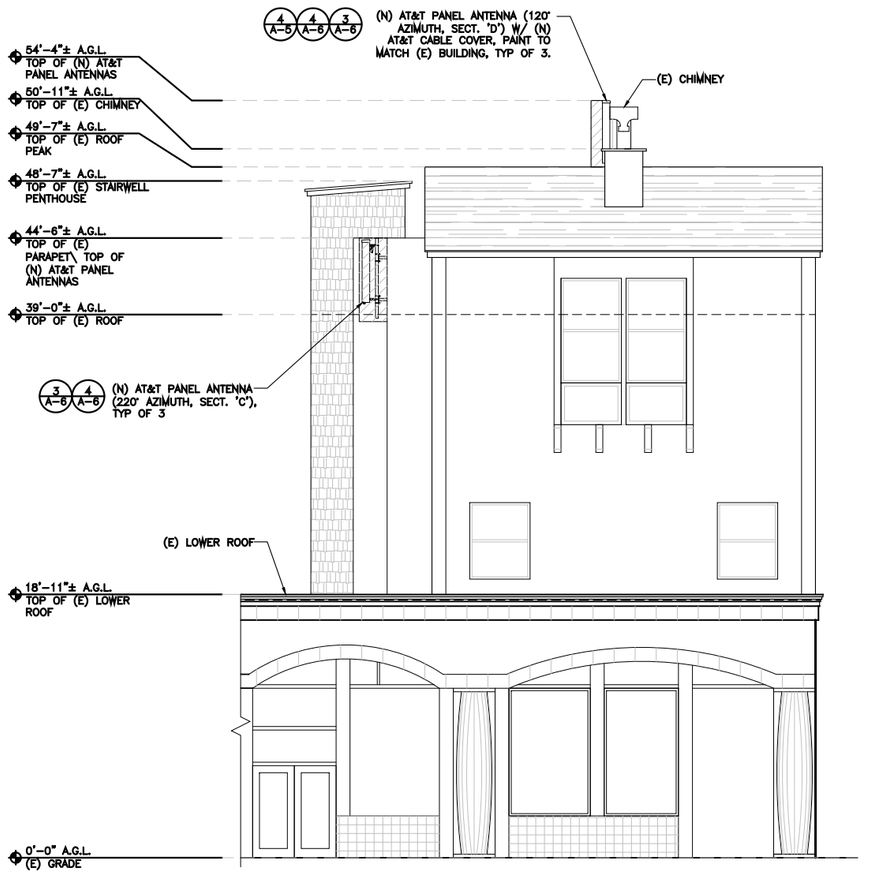
SHEET TITLE:
ENLARGED ROOF PLAN

SHEET NUMBER:
A-2

EAST ELEVATION

SCALE: 3/16"=1'-0" 0 1' 2' 6' 10'

2



SOUTH ELEVATION

SCALE: 3/16"=1'-0" 0 1' 2' 6' 10'

1

at&t

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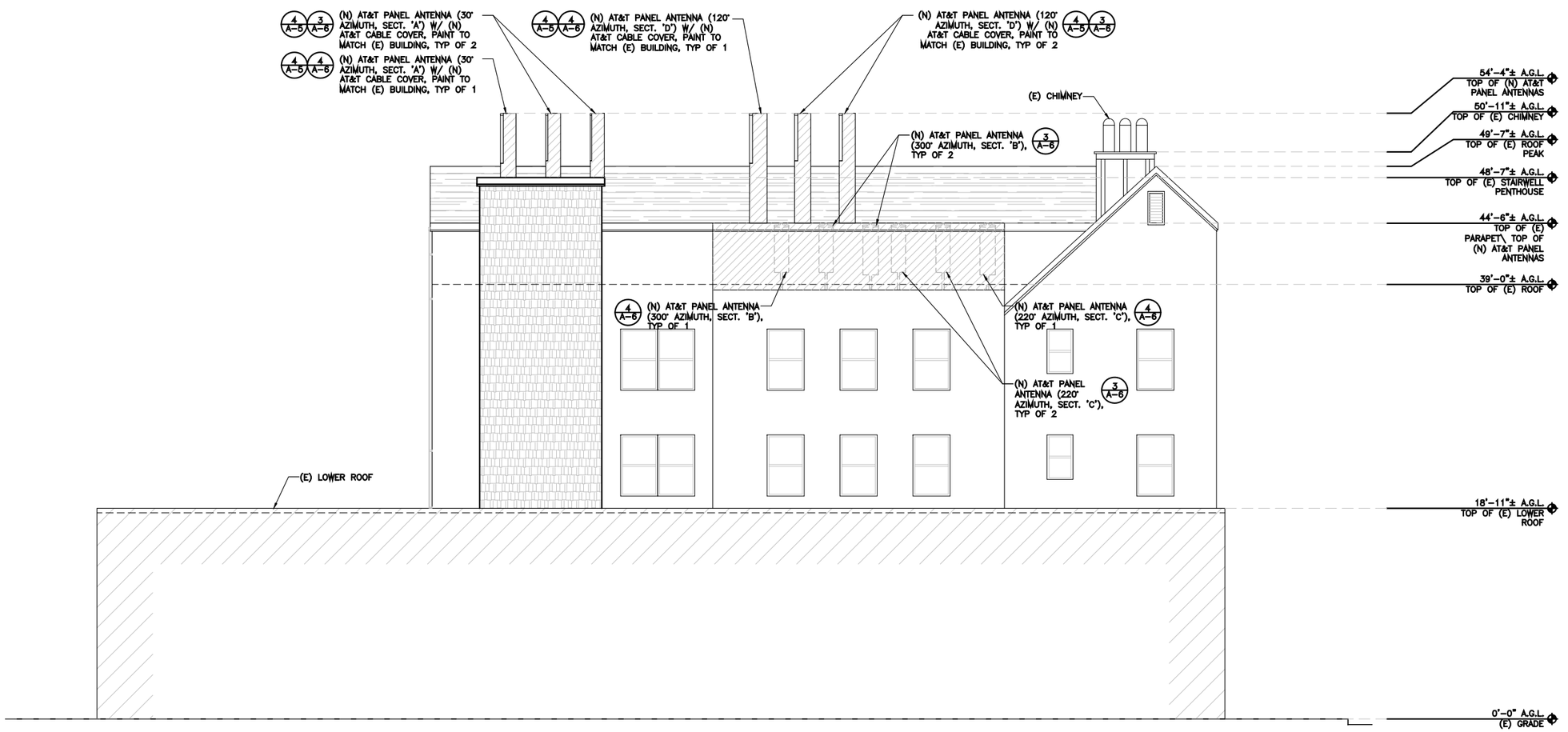
RFDS REVISION	VERSION	DATE
REVISED LTE	V16	8/14/12

LICENSER:

SHEET TITLE:
ELEVATION

SHEET NUMBER:
A-3



WEST ELEVATION

SCALE: 3/16"=1'-0" 0 1' 2' 6' 10'

1

at&t

PROJECT ARCHITECT:

PROJECT INFORMATION:

CN5214
POSITIVELY HAIGHT
1400 HAIGHT STREET
SAN FRANCISCO, CA 94117

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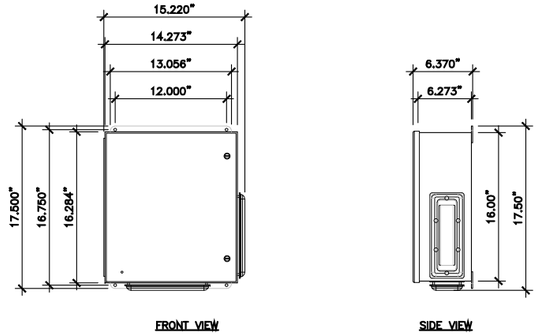
RFDS REVISION	VERSION	DATE
REVISED LTE	V16	8/14/12

LICENSER:

SHEET TITLE:
ELEVATION

SHEET NUMBER:
A-4

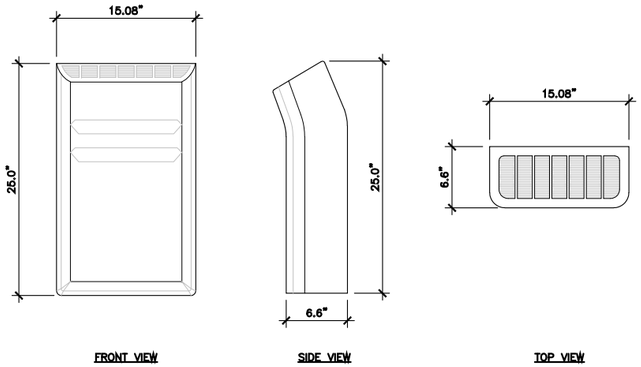


DC SURGE LTE SPECIFICATIONS:

LENGTH: 17.500"
WIDTH: 15.220"
DEPTH: 6.370"

DC SURGE ARRESTOR DETAIL

SCALE: 1-1/2"=1'-0" | 3

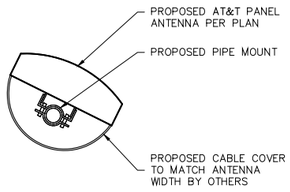


RRU-W SPECIFICATIONS:

LENGTH: 23.62"
WIDTH: 15.04"
DEPTH: 11.50"

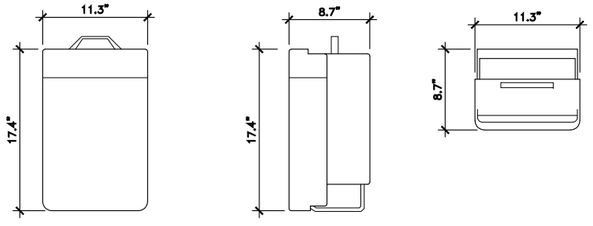
RRUW DETAIL

SCALE: 1-1/2"=1'-0" | 1



CABLE COVER SPECIFICATIONS

SCALE: 1/2"=1'-0" | 4



RRH SPECIFICATIONS:

LENGTH: 17.4"
WIDTH: 8.7"
DEPTH: 11.3"

RRH DETAIL

SCALE: 1-1/2"=1'-0" | 2

EQUIPMENT AT H-FRAME DETAIL

SCALE: 3/4"=1'-0" | 5

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PROJECT ARCHITECT:

PROJECT INFORMATION:

CN5214
POSITIVELY HAIGHT
1400 HAIGHT STREET
SAN FRANCISCO, CA 94117

CURRENT ISSUE DATE:
02/25/13

ISSUED FOR:
100% ZONING DRAWINGS-REVISED FOR REVIEW ONLY

DRAWN BY:	CHK.:	APV.:
FI	MWA	MW

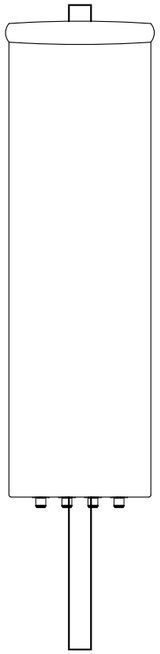
REV.:	DATE:	DESCRIPTION:	BY:
0	10/31/12	100% ZONING DRAWINGS	FI
A	02/13/13	100% ZONING DRAWINGS – REVISED FOR REVIEW ONLY	FI
B	02/25/13	100% ZONING DRAWINGS – REVISED FOR REVIEW ONLY	FI

RFDS REVISION	VERSION	DATE
REVISED LTE	V16	8/14/12

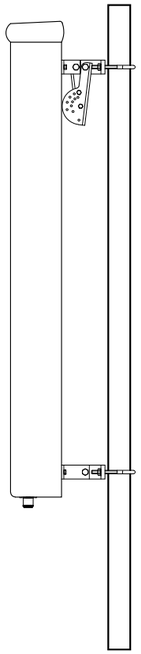
LICENSER:

SHEET TITLE:
EQUIPMENT DETAILS

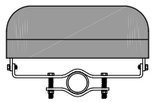
SHEET NUMBER:
A-5



FRONT VIEW



SIDE VIEW

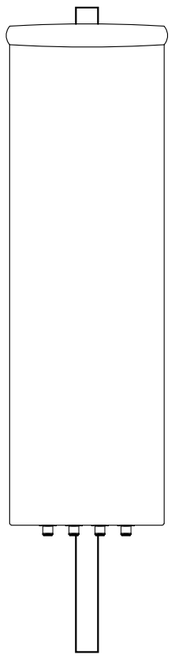


TOP VIEW

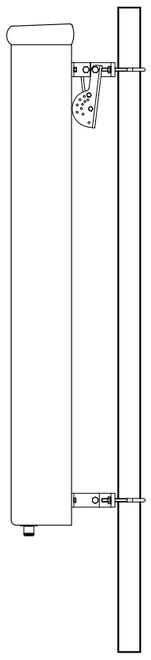
ANDREW DBXCP-4545A-VTM
ANTENNA SPECIFICATIONS:
LENGTH: 51.5"
WIDTH: 15.3"
DEPTH: 5.6"

ANDREW DBXCP-4545A-VTM ANTENNA DETAIL

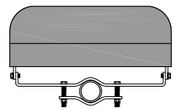
SCALE: 1-1/2"=1'-0" | 3



FRONT VIEW



SIDE VIEW



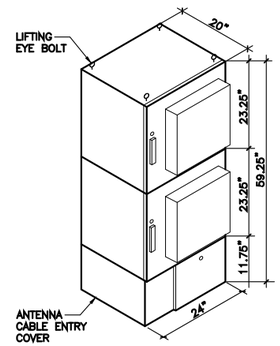
TOP VIEW

POWERWAVE P45-16-XLH-RR
ANTENNA SPECIFICATIONS:

LENGTH: 54"
WIDTH: 17.4"
DEPTH: 6.5"

POWERWAVE P45-16-XLH-RR ANTENNA DETAIL

SCALE: 1-1/2"=1'-0" | 4



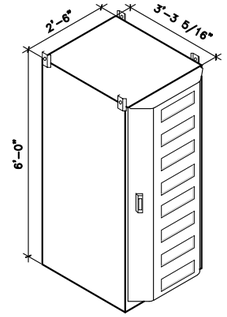
ISOMETRIC VIEW OF PURCELL LTE CABINET

BOLT DOWN PATTERN FOR PURCELL LTE CABINET

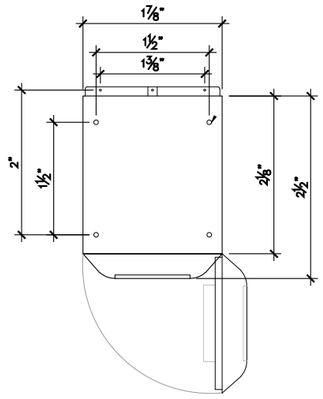
PURCELL LTE CABINET DIMENSIONS	
CABINET	HEIGHT x WIDTH x DEPTH
PURCELL LTE	56" x 24" x 56"

PURCELL CABINET DETAIL

SCALE: 3/4"=1'-0" | 2



ISOMETRIC VIEW OF POWER & BATTERY CABINET



RBA72 POWER & BATTERY CABINET DIMENSIONS	
CABINET	HEIGHT x WIDTH x DEPTH
RBA 72	72" x 30" x 39 3/8"
FOOTPRINT (INCLUDING INSTALLATION FRAME)	30" x 34"

NOTE: BATTERIES ARE TOTALLY SEALED LEAD ACID BATTERIES

RBA72 POWER & BATTERY CABINET DETAIL

SCALE: 3/4"=1'-0" | 1

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LICENSER:

SHEET TITLE:
EQUIPMENT DETAILS

SHEET NUMBER:
A-6