SAN FRANCISCO
PLANNING DEPARTMENT

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

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

Executive Summary
Conditional Use Authorization

HEARING DATE: MAY 10, 2012
CONSENT CALNEDAR

Date:	May 3, 2012
Case No.:	**2011.0068EC**
Project Address:	**1498, 1436 Polk Street & 1567 California Street**
Current Zoning:	Polk Street Neighborhood Commercial District 80-A
Block/Lots:	0645/014, 014A, 015
Project Sponsor:	Eric Lentz for AT&T Mobility 430 Bush Street, 5th Floor San Francisco, CA 94108
Staff Contact:	Aaron Hollister – (415) 575-9078 aaron.hollister@sfgov.org
Recommendation:	**Approval with Conditions**

PROJECT DESCRIPTION

The proposal is to install a macro wireless telecommunications service ("WTS") facility consisting of a maximum of nine panel antennas in three sectors located on the rooftop of the subject building along with equipment that would be located in a screened area of an on-site surface parking lot as part of AT&T Mobility's telecommunications network. The antennas are proposed on a Location Preference 6 Site (Limited Preference Site) according to the WTS Siting Guidelines.[1] Macro WTS installations such as the proposed installation require Conditional Use authorization in all Neighborhood Commercial Zoning Districts.

The proposed antennas would measure approximately 51.5 inches high by 11.9 inches wide by 7.1 inches thick. Six of the proposed antennas (two sectors) would be located near the northwest corner of the of the 1498 Polk Street building rooftop and would be screened from public view by a parapet wall extension that will be composed of radio frequency-transparent materials. The remaining sector would be located at the rear of the 1436 Polk Street rooftop and would be screened from public view with a radio frequency –transparent screen wall. The associated equipment cabinets would be located at the rear of a surface parking lot located at 1567 California Street. The equipment cabinets would be screened a secured by a fence.

[1] PC Resolution No. 14182, adopted August 15, 1996, establishing the *Wireless Telecommunications Services (WTS) Facilities Siting Guidelines*.

SITE DESCRIPTION AND PRESENT USE

The project is located on the southeast corner of Polk and California Streets, Assessor's Block 0145, Lots 014, 014A & 015. This site is within the Polk Street Neighborhood Commercial District (NCD) and an 80-A Height and Bulk District. The project site contains three separate parcels. 1567 California Street is entirely occupied by a surface parking lot, while 1436 Polk Street and 1498 Polk Street are each respectively covered by single-story commercial buildings, both of which have experienced significant building and storefront alterations throughout their histories.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The area surrounding the project site is mixed-use in character. A variety of commercial establishments are located within ground floor storefronts in the Polk Street NCD, including restaurants, bars, apparel stores, convenience stores, and other types of retailers. Buildings in the vicinity typically range from one to five stories in height. Upper floors of buildings are generally occupied by offices or residential units. Larger scale retail uses, tourist hotels, and residential uses are situated along the Van Ness Corridor, outside of the Polk Street NCD to the west.

ENVIRONMENTAL REVIEW

The proposed project was determined to be categorically exempt from the environmental review process pursuant to Class 3 exemptions (Section 15303 of the California Environmental Quality Act) of Title 14 of the California Administrative Code. The categorical exemption and all pertinent documents may be found in the files of the Planning Department as the custodian of records.

HEARING NOTIFICATION

TYPE	REQUIRED PERIOD	REQUIRED NOTICE DATE	ACTUAL NOTICE DATE	ACTUAL PERIOD
Classified News Ad	20 days	April 20, 2012	April 18, 2012	22 days
Posted Notice	20 days	April 20, 2012	April 20, 2012	20 days
Mailed Notice	20 days	April 20, 2012	April 20, 2012	20 days

PUBLIC COMMENT

- To date, the Department has received one letter of support from the manager of nearby residential building.

- Department staff received a letter in opposition from a nearby residential neighbor citing radio frequency exposure and blockage of a private view from the neighbor's window.

ISSUES AND OTHER CONSIDERATIONS

- According to the WTS Siting Guidelines, the Planning Commission may only approve WTS applications for Preference 6 (Limited Preference Site) in the following instances: (1) when publicly-used building, co-location site or other Preferred Location Sites are not located within the geographic service area; (2) when good faith efforts and measures did not produce a more preferred location for a WTS facility (Preference Locations 1-5) within the geographic service area. Furthermore, through an alternative site analysis, the wireless carrier must demonstrate the following: (1) why efforts to locate the site at Preferred Location within the geographic service area were unsuccessful; and (2) how and why the proposed site is essential to meet service demands for the geographic service area and the applicant's citywide network.

  In this instance, AT&T produced an alternative site analysis that examined whether publicly-used buildings, co-locations sites or Preferred Location Sites were available in the geographic service area that the subject site is intended to serve, which is bounded by Sacramento Street, Larkin Street, Pine Avenue and Van Ness Avenue. The alternative site analysis revealed that no publicly-used building or co-location site was available for the installation of the subject WTS facility. Additionally, the alternative site analysis examined nine sites in the service area that could potentially accommodate the WTS facility. The analysis revealed that the other proposed sites were not as desirable as the subject site for several reasons, with the most common limiting factors being an obtrusive/incompatible site design and operability of the site. Department staff has reviewed the AT&T alternative site analysis and concurs that the proposed site would be the most viable site for AT&T to serve the area. The alternative site analysis produced by AT&T is included as an attachment for review.

- Through an evaluation of historic photos and building permit history as outlined in Environmental Evaluation Case No. 2011.0068E, the building at 1498 Polk Street was determined to longer retain historic integrity due to significant storefront and building alterations largely occurring after 1957. As such, the building was determined not to be a Historical Resource pursuant to Preservation Bulletin No. 16.

- The project is subject to review of coverage data by independent, third-party evaluator.

REQUIRED COMMISSION ACTION

- Pursuant to Section 723.83 of the Planning Code, Conditional Use authorization is required to install a macro wireless telecommunications service facility in the Broadway NCD.

BASIS FOR RECOMMENDATION

- 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.
- Although the project site is considered a Preference 6 (Limited Preference Site) according to the WTS Siting Guidelines, the subject site has been determined to be the most viable site to serve the geographic service area through an alternative site analysis.
- Based on propagation maps provided by AT&T Mobility, the project will provide coverage in an area that currently experiences several gaps in coverage.

- The proposed antennas will be minimally visible when viewed from adjacent rights-of-way and points further away so as to avoid intrusion into public vistas, avoid disruption of the architectural integrity of building and insure harmony with neighborhood character.

RECOMMENDATION:	**Approval with Conditions**

Attachments:
Block Book Map
Sanborn Map
Aerial Photographs
Public Correspondence
Photographs
Photo Simulations
Propagation Maps
WTS Siting Preference Information
Alternative Site Analysis
RF Report
DPH Approval
Community Outreach Meeting Information
Reduced Plans

- ☒ Executive Summary
- ☒ Draft Motion
- ☐ Environmental Determination
- ☒ Zoning District Map
- ☐ Height & Bulk Map
- ☒ Parcel Map
- ☒ Sanborn Map
- ☒ Aerial Photo
- ☒ Context Photos
- ☒ Site Photos

- ☒ Project sponsor submittal

  Drawings: Existing Conditions
  - ☒ Check for legibility

  Drawings: Proposed Project
  - ☒ Check for legibility
- ☒ Health Dept. review of RF levels
- ☒ RF Report
- ☒ Community Meeting Notice
- ☒ Public Correspondence

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

AJH G:\DOCUMENTS\Projects\CU\1498 Polk Street\1498 Polk Street Executive Summary.doc

SAN FRANCISCO
PLANNING DEPARTMENT

Subject to: (Select only if applicable)

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

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

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

Planning Commission Draft Motion

HEARING DATE: MAY 10, 2012

Date:	May 3, 2012
Case No.:	**2011.0068EC**
Project Address:	**1498, 1436 Polk Street & 1567 California Street**
Current Zoning:	Polk Street Neighborhood Commercial District 80-A Height and Bulk District
Block/Lots:	0645/014, 014A & 015
Project Sponsor:	Eric Lentz for AT&T Mobility 430 Bush Street, 5th Floor San Francisco, CA 94108
Staff Contact:	Aaron Hollister – (415) 575-9078 aaron.hollister@sfgov.org

ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTIONS 723.83 AND 303 TO INSTALL A WIRELESS TELECOMMUNICATIONS FACILITY CONSISTING OF NINE PANEL ANTENNAS AND RELATED EQUIPMENT ON A TWO EXISTING SINGLE-STORY COMMERCIAL BUILDINGS AND A SURFACE PARKING LOT AS PART OF AT&T's WIRELESS TELECOMMUNICATIONS NETWORK WITHIN THE POLK STREET NEIGHBORHOOD COMMERCIAL DISTRICT AND AN 80-A HEIGHT AND BULK DISTRICT.

PREAMBLE

On January 26, 2011, AT&T (hereinafter "Project Sponsor"), made an application (hereinafter "application"), for Conditional Use Authorization on the properties at 1498, 1436 Polk Street & 1567 California Street, Lots 014, 014A & 015 in Assessor's Block 0645, (hereinafter "Project Site") to install a wireless telecommunications facility consisting of nine panel antennas and related equipment on two existing single-story commercial buildings and a surface parking lot as part of AT&T's wireless telecommunications network within Polk Street Neighborhood Commercial District and an 80-A Height and Bulk District.

The project is exempt from the California Environmental Quality Act ("CEQA") as a Class 3 categorical exemption. The Commission has reviewed and concurs with said determination. The categorical exemption and all pertinent documents may be found in the files of the Planning

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

On May 10, 2012, the San Francisco Commission (hereinafter "Commission") conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use authorization.

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

MOVED, that the Commission hereby authorizes the Conditional Use in Application No. 2011.0068EC, 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 is located on the southeast corner of Polk and California Streets, Assessor's Block 0145, Lots 014, 014A & 015. This site is within the Polk Street Neighborhood Commercial District (NCD) and an 80-A Height and Bulk District. The project site contains three separate parcels. 1567 California Street is entirely occupied by a surface parking lot, while 1436 Polk Street and 1498 Polk Street are each respectively covered by single-story commercial buildings, both of which have experienced significant building and storefront alterations throughout their histories.

3. **Surrounding Properties and Neighborhood**. The area surrounding the project site is mixed-use in character. A variety of commercial establishments are located within ground floor storefronts in the Polk Street NCD, including restaurants, bars, apparel stores, convenience stores, and other types of retailers. Buildings in the vicinity typically range from one to five stories in height. Upper floors of buildings are generally occupied by offices or residential units. Larger scale retail uses, tourist hotels, and residential uses are situated along the Van Ness Corridor, outside of the Polk Street NCD to the west.

4. **Project Description.** The proposal is to install a macro wireless telecommunications service ("WTS") facility consisting of a maximum of nine panel antennas in three sectors located on the rooftop of the subject building along with equipment that would be located in a screened area of an on-site surface parking lot as part of AT&T Mobility's telecommunications network. The antennas are proposed on a Location Preference 6 Site

(Limited Preference Site) according to the WTS Siting Guidelines.[1] Macro WTS installations such as the proposed installation require Conditional Use authorization in all Neighborhood Commercial Zoning Districts.

The proposed antennas would measure approximately 51.5 inches high by 11.9 inches wide by 7.1 inches thick. Six of the proposed antennas (two sectors) would be located near the northwest corner of the of the 1498 Polk Street building rooftop and would be screened from public view by a parapet wall extension that will be composed of radio frequency-transparent materials. The remaining sector would be located at the rear of the 1436 Polk Street rooftop and would be screened from public view with a radio frequency –transparent screen wall. The associated equipment cabinets would be located at the rear of a surface parking lot located at 1567 California Street. The equipment cabinets would be screened a secured by a fence.

5. **Past History and Actions.** The Planning Commission established guidelines for the installation of wireless telecommunications facilities in 1996 ("Guidelines"). These Guidelines set forth the land use policies and practices that guide the installation and approval of wireless facilities throughout San Francisco. A large portion of the Guidelines was dedicated to establishing location preferences for these installations. The Board of Supervisors, in Resolution No. 635-96, provided input as to where wireless facilities should be located within San Francisco. The Guidelines were updated by the Commission in 2003, requiring community outreach, notification, and detailed information about the facilities to be installed.[2]

   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.

[1] PC Resolution No. 14182, adopted August 15, 1996, establishing the *Wireless Telecommunications Services (WTS) Facilities Siting Guidelines*.

[2] PC Resolution 16539, passed March 13, 2003.

Section 8.1 of WTS Siting Guidelines further stipulates that the Planning Commission may only approve WTS applications for Preference 6 (Limited Preference Site) in the following instances: (1) when publicly-used building, co-location site or other Preferred Location Sites are not located within the geographic service area; (2) when good faith efforts and measures did not produce a more preferred location for a WTS facility (Preference Locations 1-5) within the geographic service area. Furthermore, through an alternative site analysis, the wireless carrier must demonstrate the following: (1) why efforts to locate the site at Preferred Location within the geographic service area were unsuccessful; and (2) how and why the proposed site is essential to meet service demands for the geographic service area and the Applicant's citywide network.

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, 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 May 10, 2012, the Commission conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use authorization pursuant to Planning Code Sections 303 and 723.83 to install a wireless telecommunications facility consisting of nine panel antennas nine panel antennas and related equipment on two existing single-story commercial buildings and a surface parking lot

6. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of buildings for the siting of wireless telecommunications facilities. Under the *Guidelines*, the Project is a Location Preference Number 6, as it is located in an individual Neighborhood Commercial District.

7. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network will transmit calls by radio waves operating in the 1710 - 2170 Megahertz (MHZ) bands, which is regulated by the Federal Communications Commission (FCC) and which 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 were two observed omni directional antennas on a three-story building within 100 feet of this site. AT&T proposes to install nine new antennas. The antennas will be mounted at a height of 28 feet above the ground. The estimated ambient RF field from the proposed AT&T transmitters at ground level is calculated to be 0.095 mW/sq cm., which is 13% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 54 feet, which includes areas of the rooftop, but does not reach any publicly accessible areas. The closest building is reported to be located about 80 feet away, which is predicted to be 45% of the FCC public exposure limit. The nearest residence is about 130 feet away and is predicted to be 7.3% of the FCC public exposure limit. Warning signs must be posted at the antennas and roof access points in English, Spanish, and Chinese. Workers should not have access to within 18 feet of the front of the antennas while in operation. This area should be marked with yellow and red striping on the roof to designate the prohibited access and worker notification zones.

10. **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.

11. **Community Outreach.** Per the *Guidelines*, the project sponsor held a Community Outreach Meeting for the proposed project. The meeting was held at 7:00 P.M. on April 7, 2011, at 1300 Polk Street.

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

13. **Public Comment.** To date, the Department has received one letter of support from the manager of nearby residential building.

    Department staff received a letter in opposition from a nearby residential neighbor citing radio frequency exposure and blockage of a private view from the neighbor's window.

14. **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 Sections 723.83, a Conditional Use authorization is required for the installation of public uses such as wireless transmission facilities.

15. **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 1498, 1436 Polk Street & 1567 California Street will be generally desirable and compatible with the surrounding neighborhood because the project will not conflict with the existing uses of the property and will be of such size and nature to be compatible with the surrounding nature of the vicinity. The approval of this authorization has been found, first and foremost, to insure public safety, and insure that the placement of antennas and related support and protection features are so located, designed, and treated architecturally to minimize their visibility from public places, to avoid intrusion into public vistas, avoid disruption of the architectural design integrity of building and insure harmony with neighborhood character. The project has been reviewed and determined to not cause the removal or alteration of any significant architectural features on the subject known historic resource.

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 service). It is necessary for San Francisco to have as much coverage as possible in terms of wireless facilities. Due to the topography and tall buildings in San Francisco, unique coverage issues arise because the hills and building break up coverage. Thus, telecommunication carriers often install additional installations to make sure coverage is sufficient.

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

The proposed project at 1498, 1436 Polk Street & 1567 California Street is necessary in order to achieve sufficient street and in-building mobile phone coverage. Recent drive tests and computer modeling in the subject area conducted by the AT&T Radio Frequency Engineering Team provide conclusive evidence that the subject property is the most viable location, based on factors including quality of coverage, population density, land use compatibility, zoning and aesthetics. The proposed coverage area will serve the vicinity bounded by Sacramento Street, Larkin Street, Pine Street and Van Ness Avenue, as indicated in the coverage maps. This facility will fill in the gaps to improve coverage in

the Polk Street area as well as to provide necessary facilities for emergency transmission and improved communication for the neighborhood, community and the region.

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

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

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

The Department of Public Health conducted an evaluation of potential health effects from Radio Frequency radiation, and has concluded that the proposed wireless transmission facilities will have no adverse health effects if operated in compliance with the FCC-adopted health and safety standards. The Department has received information that the proposed wireless system must be operated so as not to interfere with radio or television reception in order to comply with the provisions of its license under the FCC.

The Department is developing a database of all such wireless communications facilities operating or proposed for operation in the City and County of San Francisco. All applicants are now required to submit information on the location and nature of all existing and approved wireless transmission facilities operated by the Project Sponsor. The goal of this effort is to foster public information as to the location of these facilities.

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

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

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

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

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

The proposed antennas are proposed to be installed on the rooftop of the existing building. Six of the proposed antennas (two sectors) would be located near the northwest corner of the of the 1498 Polk Street building rooftop and would be screened from public view by a parapet wall extension that will be composed of radio frequency-transparent materials. The remaining sector would be located at the rear of the 1436 Polk Street rooftop and would be screened from public view with a radio frequency –transparent screen wall.

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

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

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

The proposed project is consistent with the stated purpose of the Polk Street District in that the intended use is located on an existing commercial building and will be screened from public view by screen walls.

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

HOUSING ELEMENT

BALANCE HOUSING CONSTRUCTION AND COMMUNITY INFRASTRUCTURE

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

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

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

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

URBAN DESIGN

HUMAN NEEDS

OBJECTIVE 4 - IMPROVEMENT OF THE NEIGHBORHOOD ENVIRONMENT TO INCREASE PERSONAL SAFETY, COMFORT, PRIDE AND OPPORTUNITY.

POLICY 4.14 - Remove and obscure distracting and cluttering elements.

The Project adequately "stealths" the proposed antennas and related equipment by locating the antennas behind screen walls and cabinets behind a fenced, secured area in the surface parking lot. The antennas are minimally visible from the street.

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 Wireless mobile 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.

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

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

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

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

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

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

The project would have no adverse impact on housing in the vicinity.

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

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

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

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

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

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

G. That landmarks and historic buildings be preserved.

Through an evaluation of historic photos and building permit history as outlined in Environmental Evaluation Case No. 2011.0068E, the building at 1498 Polk Street was determined to longer retain historic integrity due to significant storefront and building alterations largely occurring after 1957. As such, the building was determined not to be a Historical Resource pursuant to Preservation Bulletin No. 16.

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.

18. 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.

19. 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 723.83 and 303 to install up to nine panel antennas and associated equipment cabinets at 1498, 1436 Polk Street and 1567 California Street and as part of a wireless transmission network operated by AT&T on a Location Preference Six (Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within the Polk Street Neighborhood Commercial Zoning District and an 80-A Height and Bulk District and subject to the conditions of approval attached hereto as **Exhibit A**.

APPEAL AND EFFECTIVE DATE OF MOTION: Any aggrieved person may appeal this conditional use authorization to the Board of Supervisors within thirty (30) days after the date of this Motion No. XXXXX. The effective date of this Motion shall be the date of this Motion if not appealed (after the 30-day period has expired) OR the date of the decision of the Board of Supervisors if appealed to the Board of Supervisors. For further information, please contact the Board of Supervisors at (415) 554-5184, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

I hereby certify that the foregoing Motion was adopted by the Planning Commission on **May 10, 2012**.

Linda Avery
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: May 10, 2012

EXHIBIT A

AUTHORIZATION

This authorization is for a Conditional Use Authorization under Planning Code Sections 723.83 and 303 to install a wireless telecommunications facility consisting of nine panel antennas with related equipment, a Location Preference 6 (Limited Preference Location) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, as part of AT&T's wireless telecommunications network within the Polk Street Neighborhood Commercial District and an 80-A Height and Bulk District.

RECORDATION OF CONDITIONS OF APPROVAL

Prior to the issuance of the building permit or commencement of use for the Project the Zoning Administrator shall approve and order the recordation of a Notice in the Official Records of the Recorder of the City and County of San Francisco for the subject property. This Notice shall state that the project is subject to the conditions of approval contained herein and reviewed and approved by the Planning Commission on May 10, 2012 under Motion No. XXXXX.

PRINTING OF CONDITIONS OF APPROVAL ON PLANS

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

SEVERABILITY

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

CHANGES AND MODIFICATIONS

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

Conditions of Approval, Compliance, Monitoring, and Reporting

PERFORMANCE

1. **Validity and Expiration.** The authorization and right vested by virtue of this action is valid for three years from the effective date of the Motion. A building permit from the Department of Building Inspection to construct the project and/or commence the approved use must be issued as this Conditional Use authorization is only an approval of the proposed project and conveys no independent right to construct the project or to commence the approved use. The Planning Commission may, in a public hearing, consider the revocation of the approvals granted if a site or building permit has not been obtained within three (3) years of the date of the Motion approving the Project. Once a site or building permit has been issued, construction must commence within the timeframe required by the Department of Building Inspection and be continued diligently to completion. The Commission may also consider revoking the approvals if a permit for the Project has been issued but is allowed to expire and more than three (3) years have passed since the Motion was approved.
   For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

2. **Extension.** This authorization may be extended at the discretion of the Zoning Administrator only where failure to issue a permit by the Department of Building Inspection to perform said tenant improvements is caused by a delay by a local, State or Federal agency or by any appeal of the issuance of such permit(s).
   For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org .

DESIGN – COMPLIANCE AT PLAN STAGE

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

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

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

   For information about compliance, contact the Case Planner, Planning Department at 415-575-9078, 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

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 antennae and equipment that has been out of service or otherwise abandoned for a continuous period of six months.
For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, 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

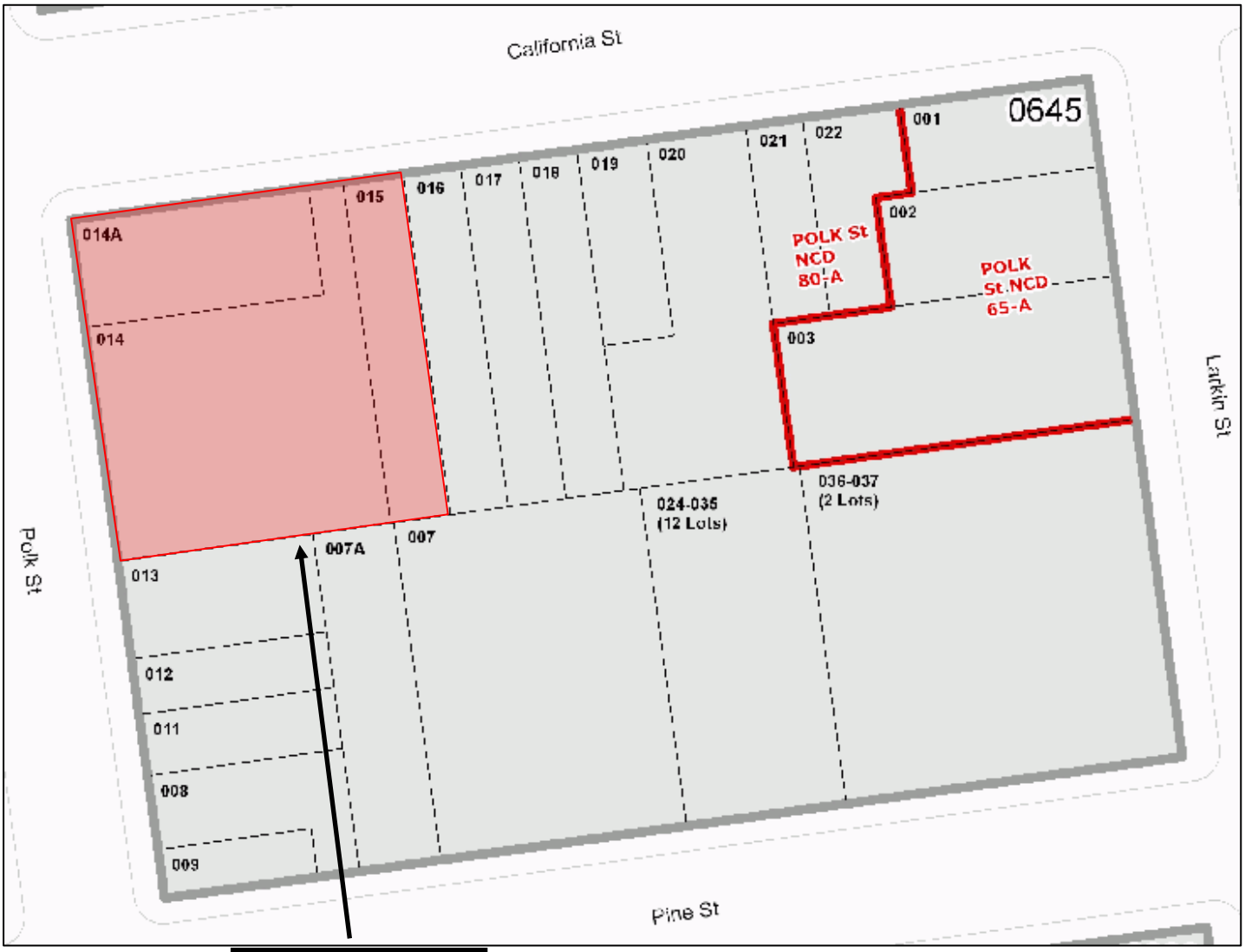
19. **Compatibility with City Emergency Services – WTS**. The facility shall not be operated or caused to transmit on or adjacent to any radio frequencies licensed to the City for emergency

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

G:\DOCUMENTS\Projects\CU\1498 Polk Street\1498 Polk Street Conditional Use Authorization Draft Motion.doc

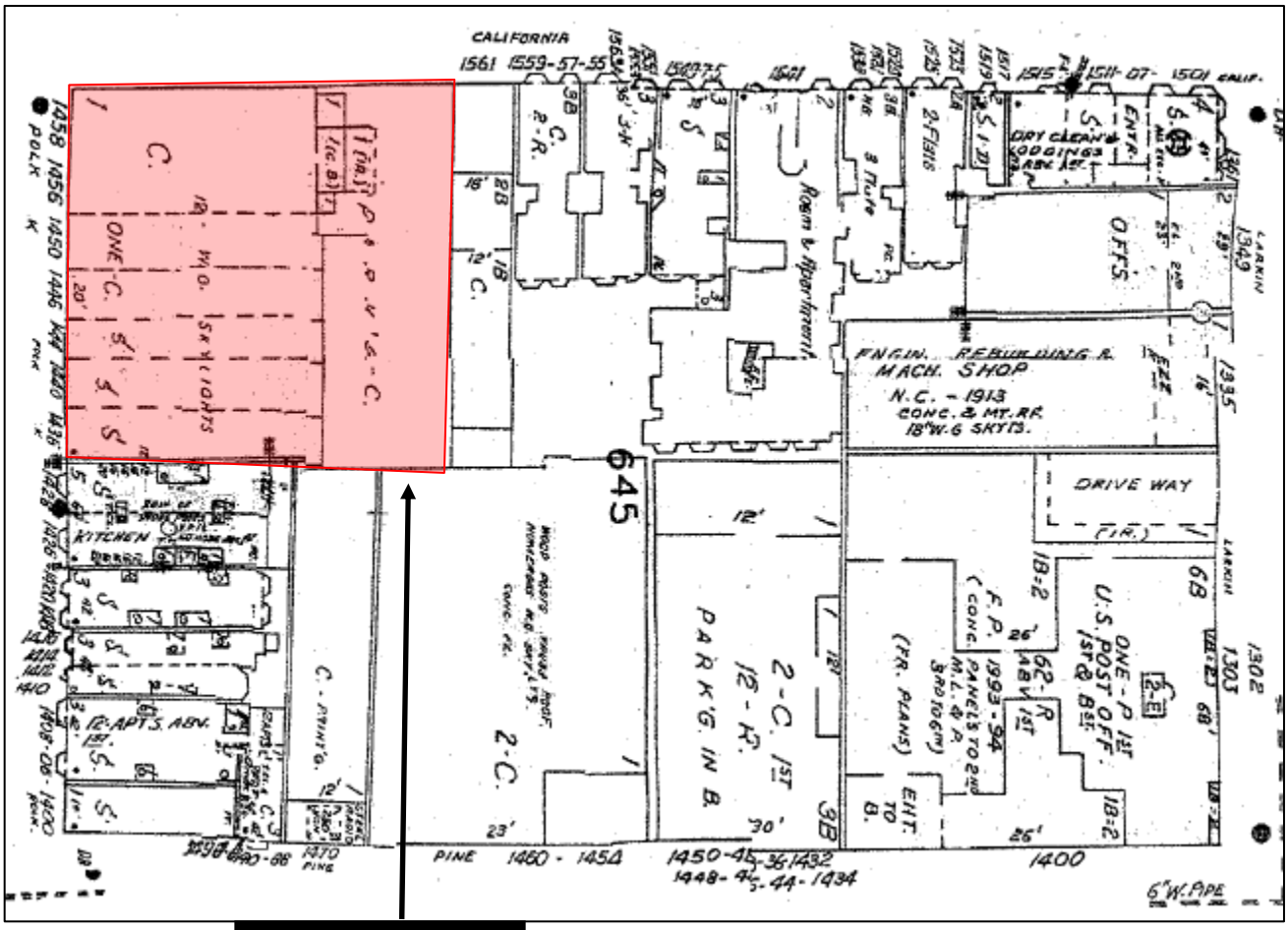
Parcel Map



Case Number 2011.0068EC
AT&T Mobility WTS Facility
1498, 1436 Polk Street & 1567 California Street

SAN FRANCISCO
PLANNING DEPARTMENT

Sanborn Map*



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

Case Number 2011.0068EC
AT&T Mobility WTS Facility
1498, 1436 Polk Street & 1567 California Street

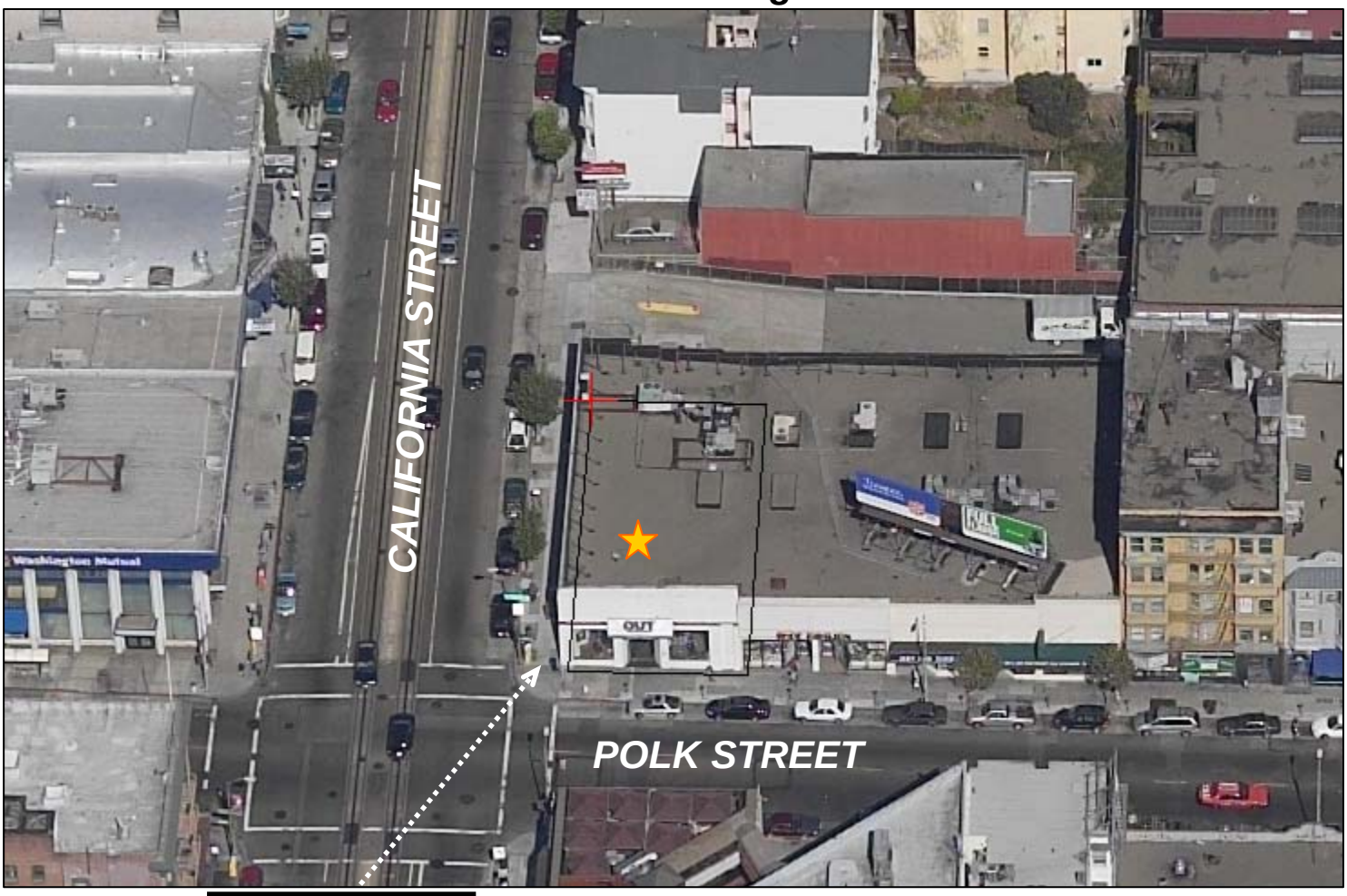
Aerial Photo

North-Facing

SUBJECT PROPERTY

Aerial Photo

East-Facing



Case Number 2011.0068EC
AT&T Mobility WTS Facility
1498, 1436 Polk Street & 1567 California Street

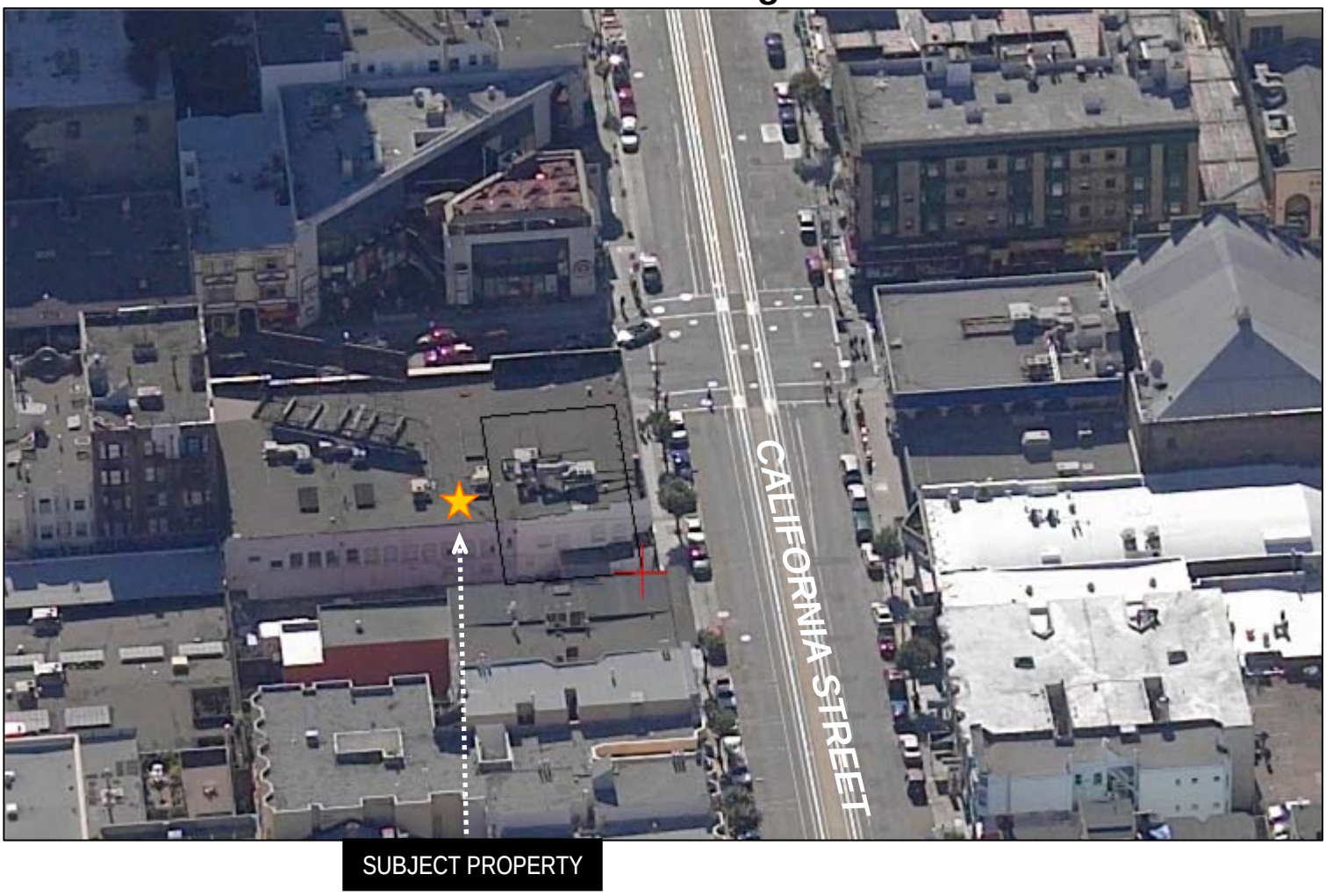
Aerial Photo

South-Facing

SUBJECT PROPERTY

Aerial Photo

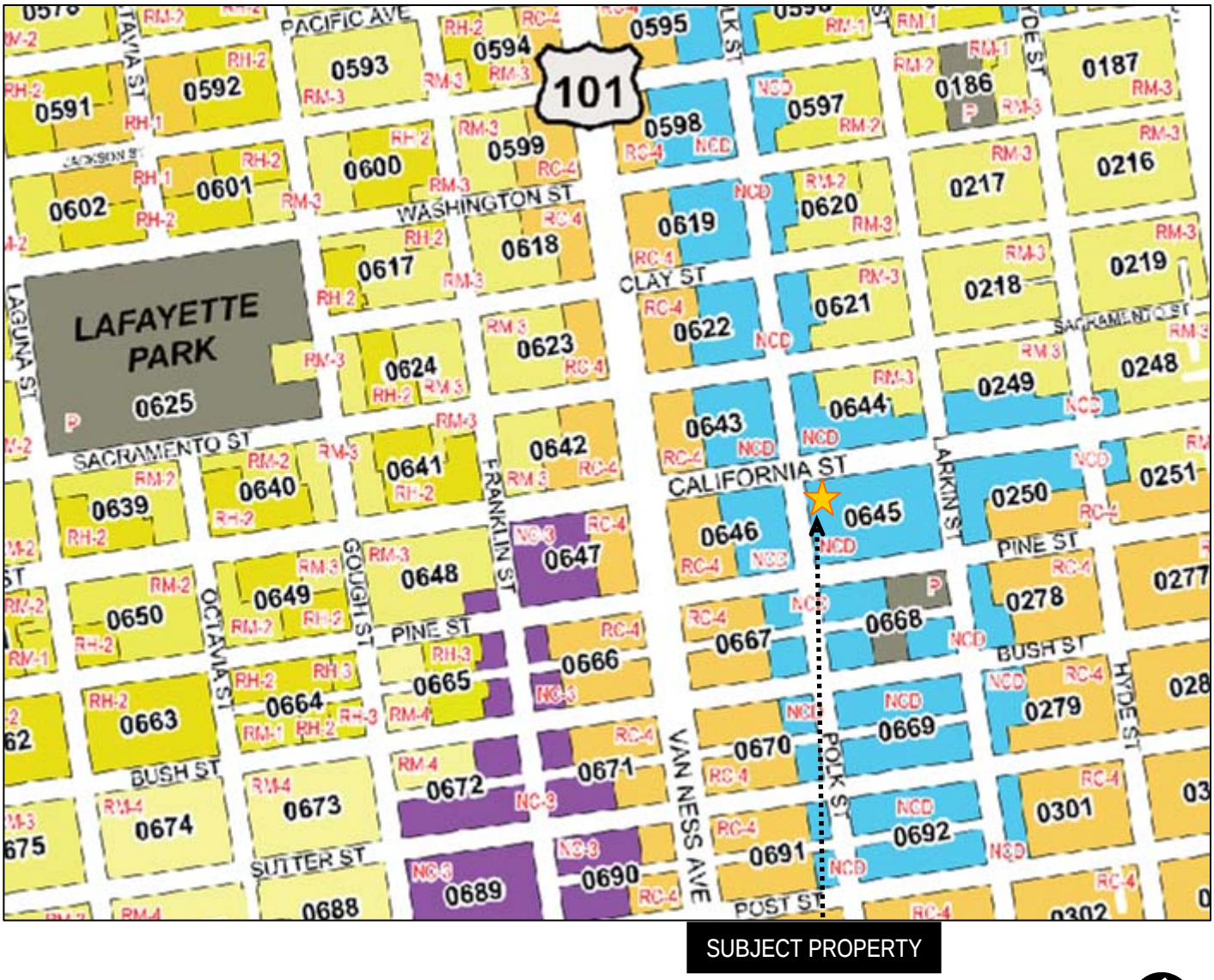
West-Facing



SAN FRANCISCO
PLANNING DEPARTMENT

Case Number 2010.1083C
AT&T Mobility WTS Facility
2041 Larkin Street

Zoning Map



Case Number 2011.0068EC
AT&T Mobility WTS Facility
1498, 1436 Polk Street & 1567 California Street

SMITH-BRENNAN PROPERTIES, LLC

P.O.BOX 641343

SAN FRANCISCO, CA 94164-1343

TEL. +1 (415) 673 4045

FAX. +1 (415) 345 1827

EMAIL: smith-brennan@pacbell.net

San Francisco Planning Commission
c/o Aaron Hollister, SF Planning Department
City & County of San Francisco
1650 Mission Street, #400
CA 94103-2479

4/23/2012

Re. Case 2011.0068EC
1498, 1436 Polk St. & 1567 California St.

Dear Commissioners,

I write to express my support for the applicant's plans in this case. We own and manage a multi-use residential and commercial property at 1630 California St., just across the intersection from the proposed project. Cellular telephone service in this neighborhood is unreliable with poor call quality and dropped calls being frequent.

I believe that I may speak on behalf of the upwards of 70 tenants in our building in saying that implementation of this proposal would be beneficial to the neighborhood and we urge you to approve the requested Conditional Use.

Sincerely,

Manager

Ms. Georgia J. Llewellyn
1424 Polk Street, Apt. #32
San Francisco, CA 94109
(415) 441-7039

April 24, 2012

Aaron Hollister
San Francisco Planning Department
1650 Mission Street, Suite 400
San Francisco, CA 94103

Re: Case No. 2011.0068EC

Dear Mr. Hollister:

I write to protest AT&T's proposed rooftop mounted antennae array and associated equipment installation on the rooftops of 1498, 1436 Polk Street and 1567 California Street. Last year, AT&T's personnel came to my apartment and took pictures of the view of the proposed site from my third-floor apartment at 1424 Polk Street. I am enclosing copies of the photographs taken from my kitchen. As you can see, my apartment is on the same level as the proposed site. Installation of the antennae array will not only block what little view I currently have from my apartment, but may also expose me to damaging electronic field radiation.

I am a cancer survivor, currently cancer-free and prefer to remain so. The health effects of such radiation in extremely close proximity to where I live are not something I wish to expose myself to. AT&T may pooh-pooh the health effects of exposure to the radiation their cell towers emit, but long-term effects of such exposure are unknown. I do not want to be AT&T's guinea-pig suffering the health effects of this proposed installation.

Therefore, I lodge this protest of AT&T's proposed installation of the rooftop-mounted antennae and associated equipment.

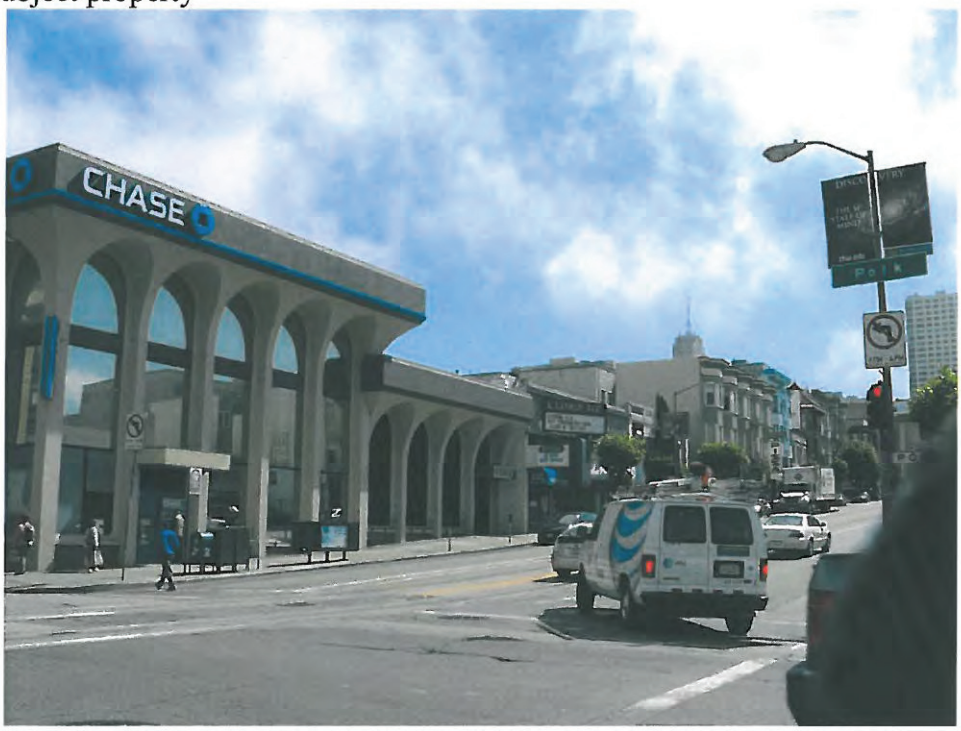
Very truly yours,

Georgia J. Llewellyn

Encls.

I. Scale of Locale – Contextual Photographs

See attached photographs identifying the heights of buildings within 100 feet of proposed site including subject property



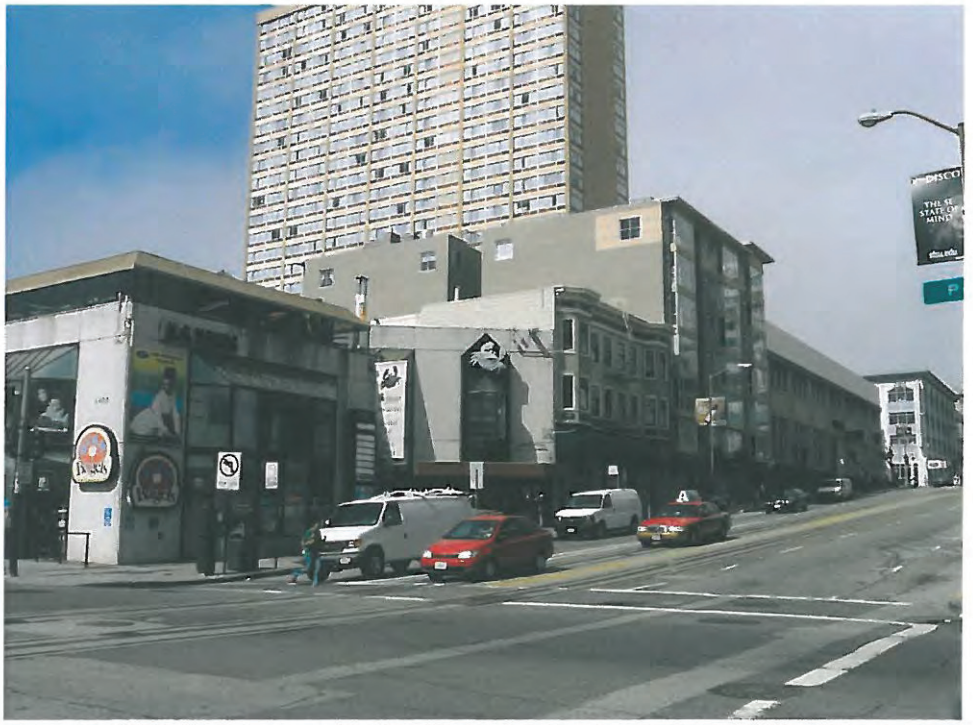
Looking west down California Street at the northerly blockface

Looking north down Polk Street at the easterly blockface

Looking east down Polk Street at the southerly blockface

Looking south down Polk Street at easterly blockface

Looking south Polk Street at the westerly blockface



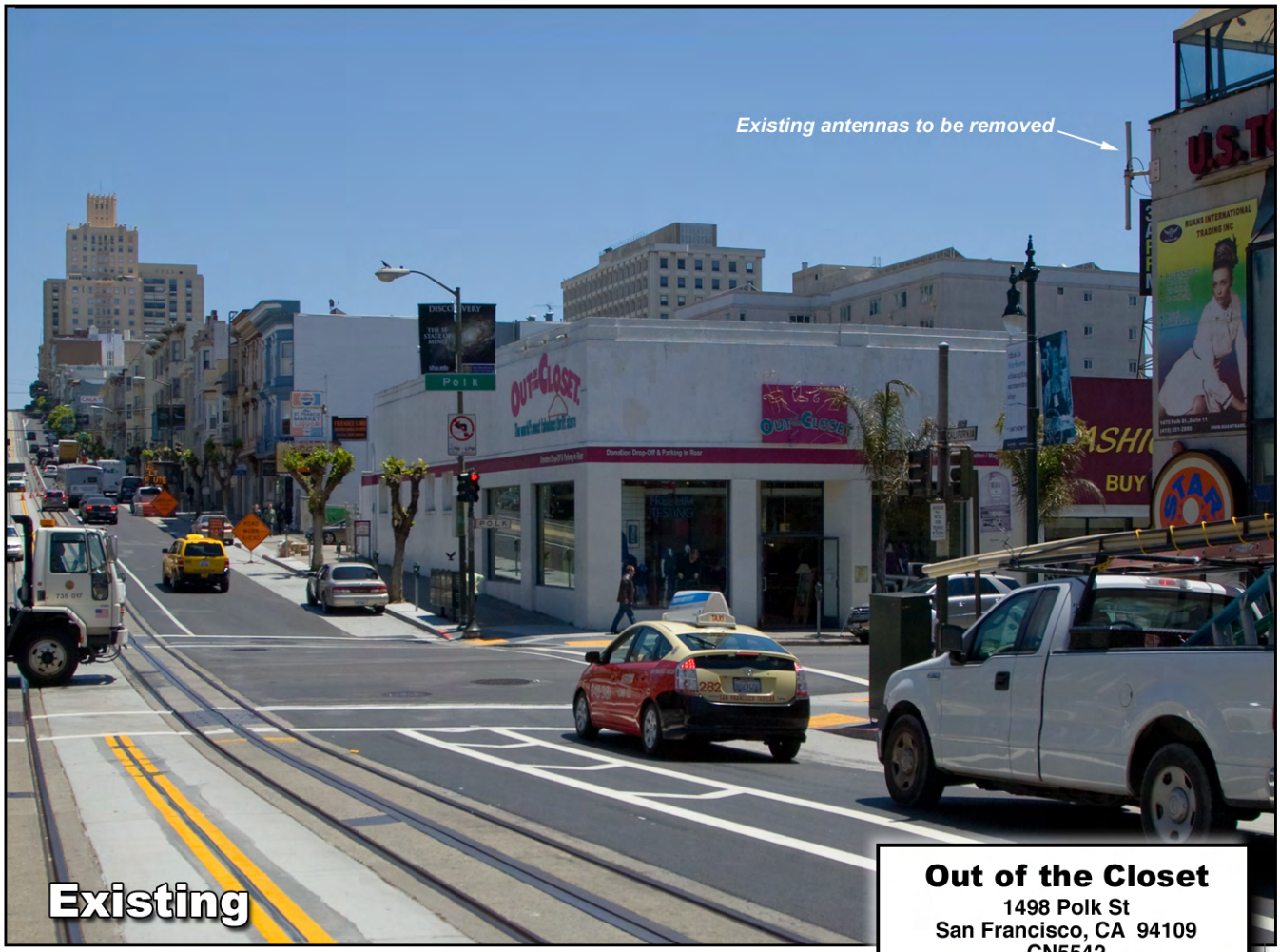
Looking west down California Street at the southerly blockface

Looking west down California Street at the northerly blockface

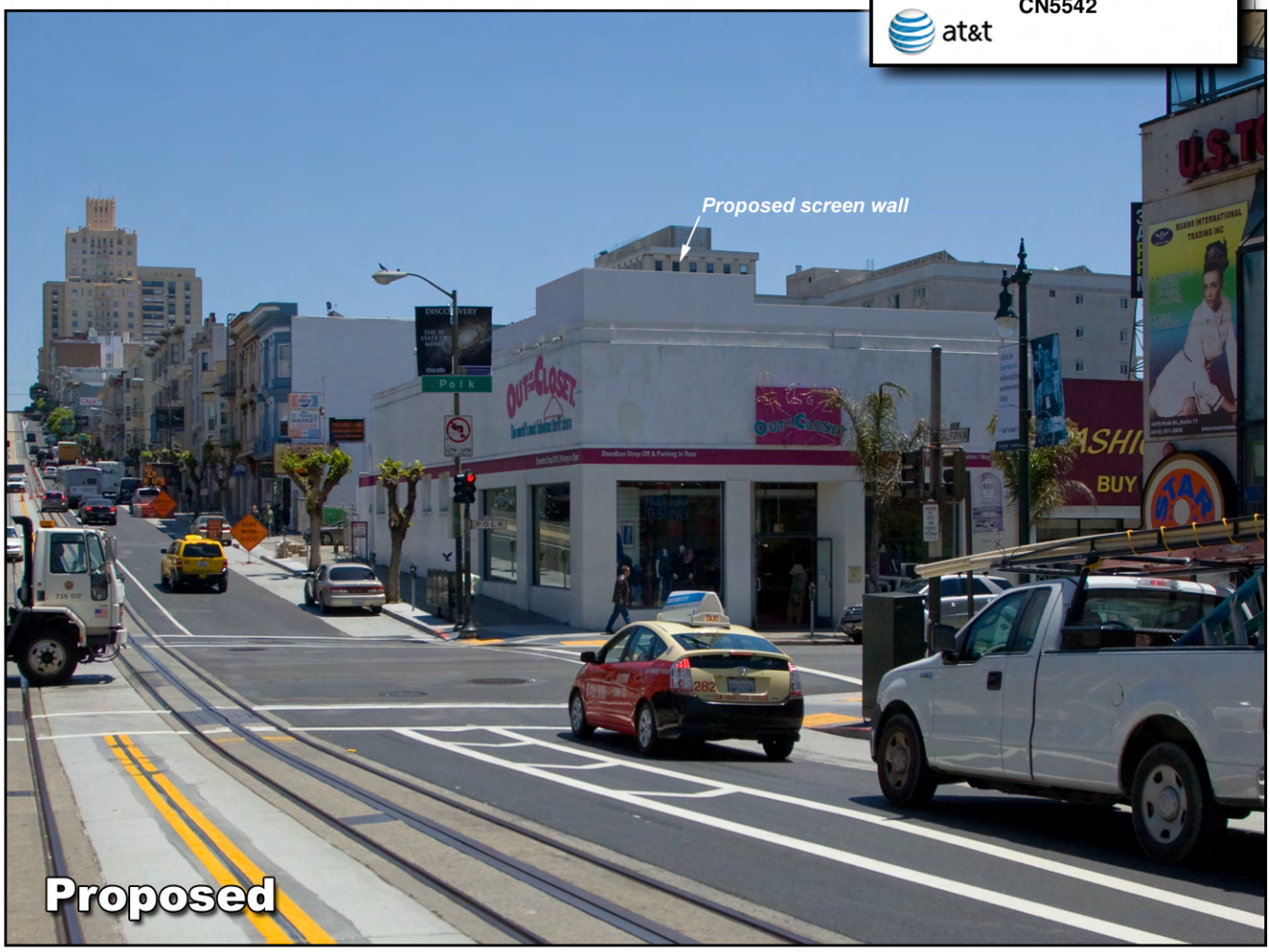
Looking north down Polk Street at the westerly blockface

August 6, 2011

Photosimulation of view looking east from California Street, just west of Polk Street, 150 ft from the corner of the building.



Out of the Closet
1498 Polk St
San Francisco, CA 94109
CN5542
at&t



Previsualists
Custom Computer Graphics, Inc.

© Copyright 2011, Previsualists Inc., all rights reserved. Any modification, alteration, cropping, copying or editing of any portion of this image is strictly prohibited and considered a violation of US copyright laws.
This photosimulation is based upon information provided by the project applicant. Questions or comments? call 1-877-799-3210 or visit www.photosim.com

August 6, 2011

Photosimulation of view looking southwest from across California Street, 150 feet from the nearest corner of the building.

Previsualists
Carbon Computer Graphics Inc.

© Copyright 2011, Previsualists Inc., all rights reserved. Any modification, alteration, cropping, copying or editing of any portion of this image is strictly prohibited and considered a violation of US copyright laws.
This photosimulation is based upon information provided by the project applicant. Questions or comments? call 1-877-799-3210 or visit www.photosim.com

August 6, 2011

Photosimulation of view looking north along Polk Street, 150 feet from the corner of the building at Polk and California.

Previsualists
Creative Computer Graphics, Inc.

© Copyright 2011, Previsualists Inc., all rights reserved. Any modification, alteration, cropping, copying or editing of any portion of this image is strictly prohibited and considered a violation of US copyright laws.
This photosimulation is based upon information provided by the project applicant. Questions or comments? call 1-877-799-3210 or visit www.photosim.com

AT&T Mobility Conditional Use Permit Application
1498 Polk Street

STATEMENT OF GORDON SPENCER

I am the AT&T radio frequency engineer assigned to the proposed wireless communications facility at 1498 Polk 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 Van Ness Avenue, Sacramento Street, Pine Street, and Larkin Street.

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

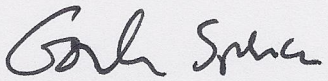
up to 10 times faster than industry-average 3G speeds. LTE technology also offers lower latency, or the processing time it takes to move data through a network, such as how long it takes to start downloading a webpage or file once you've sent the request. Lower latency helps to improve the quality of 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



April 13, 2011

Service Improvement Objective (CN5542)

1498 Polk St

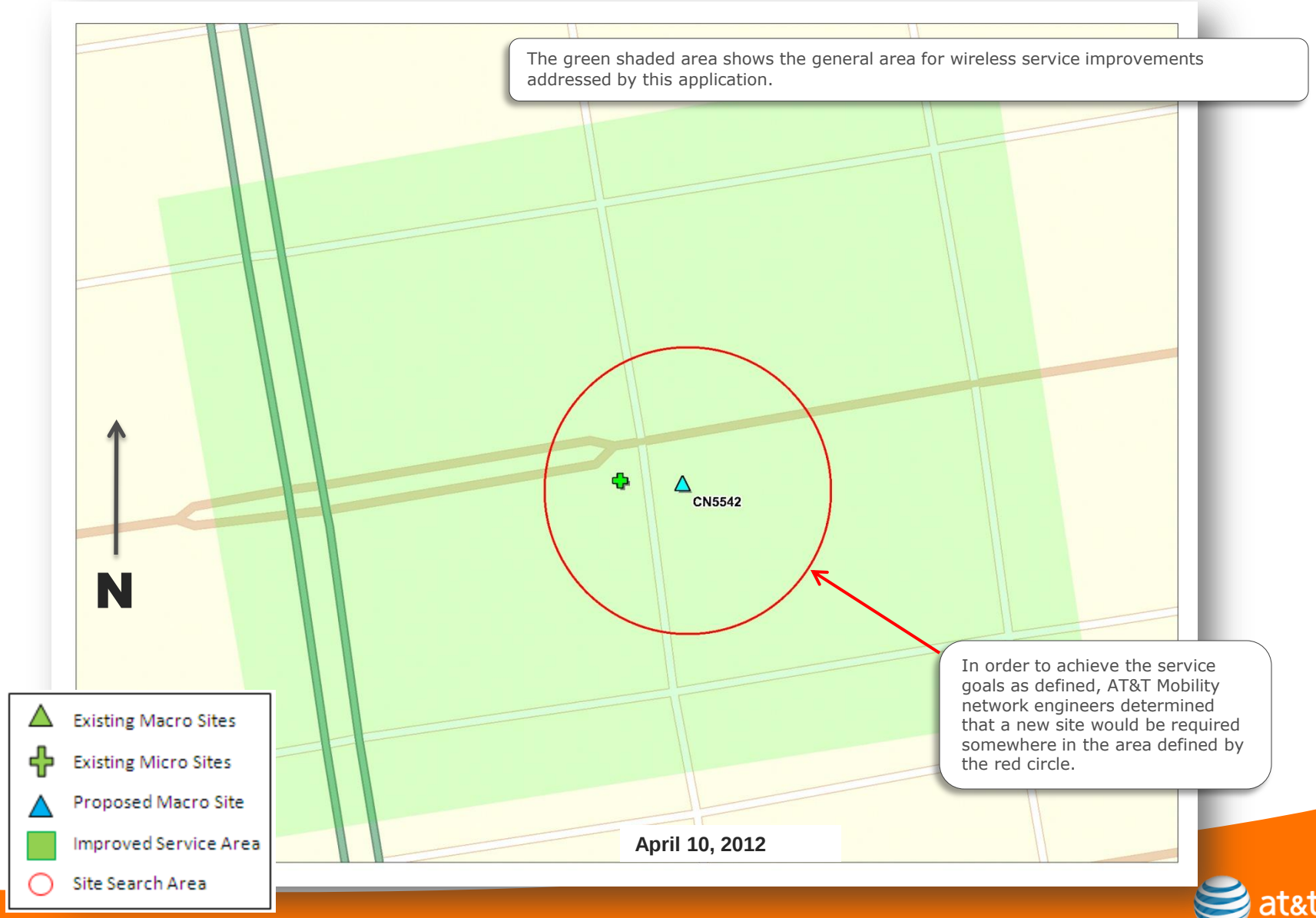
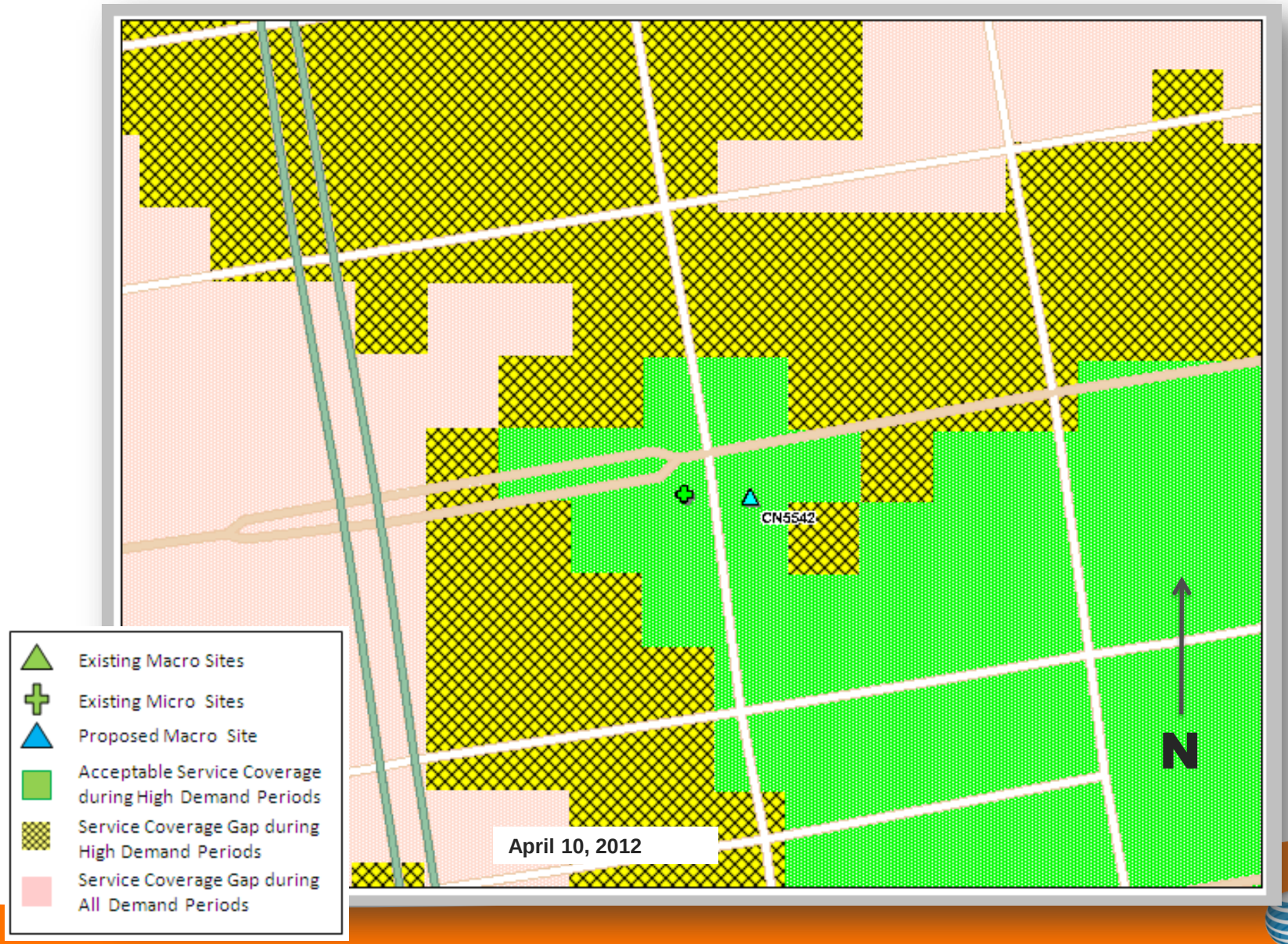


Exhibit 2 - Proposed Site at 1498 Polk St (CN5542)

Service Area BEFORE site is constructed



at&t

Exhibit 3 - Current 7-Day Traffic Profile for the Location of CN5542

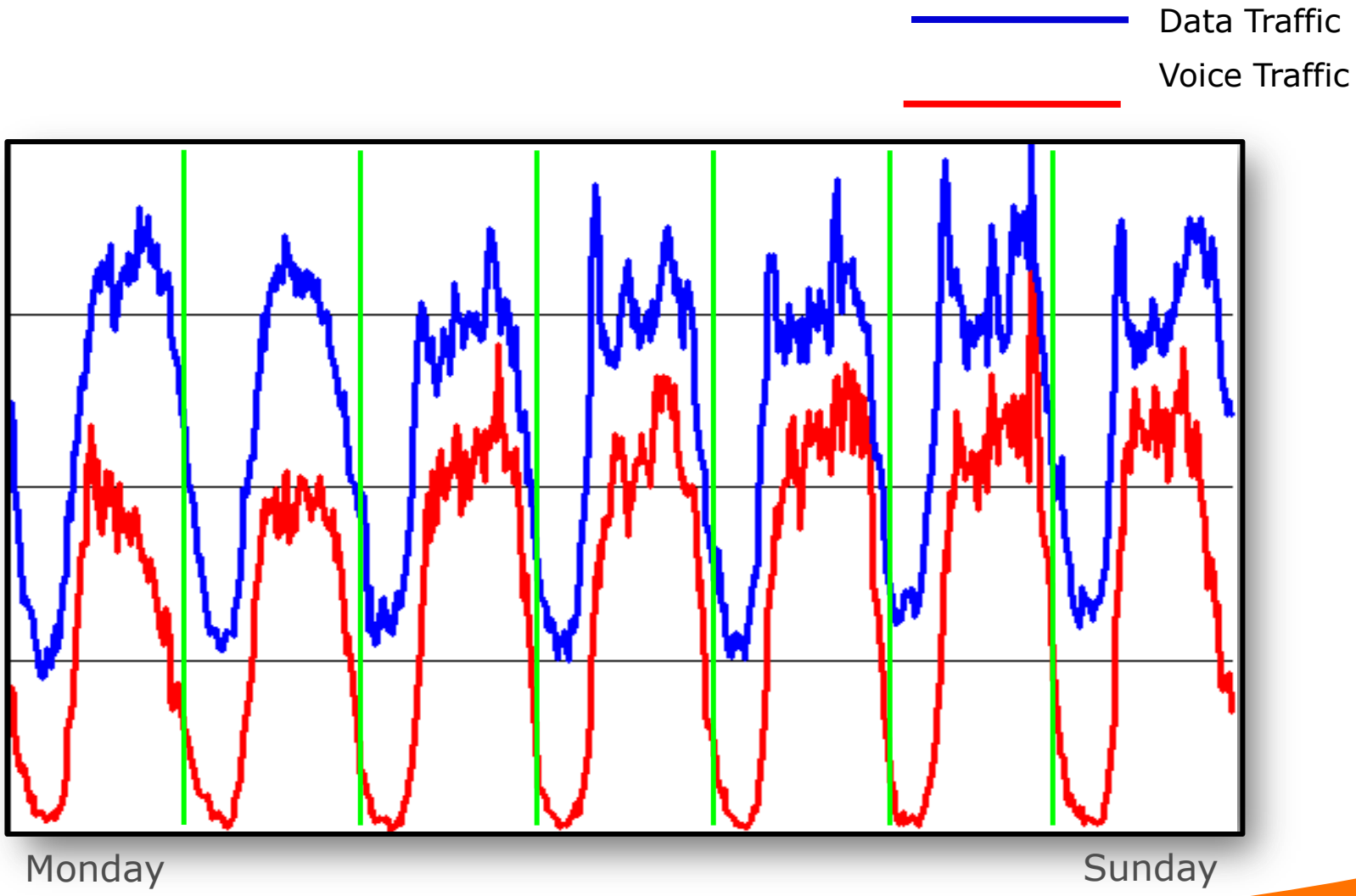


Exhibit 3 - Current 24-Hour Traffic Profile for the Location of CN5542

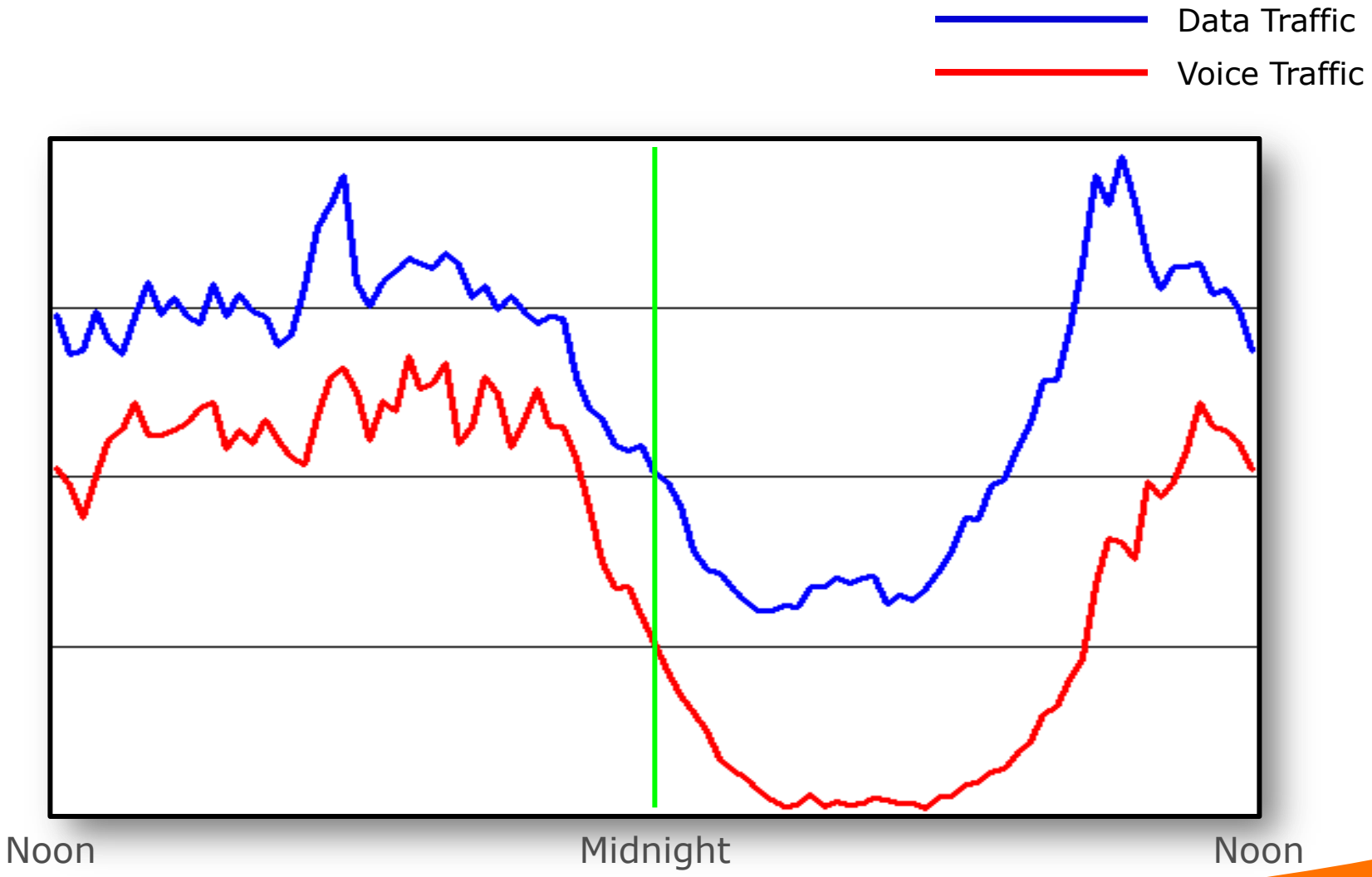


Exhibit 4 - Proposed Site at 1498 Polk St (CN5542)

Service Area AFTER site is constructed

at&t

Exhibit 5 - Proposed Site at 1498 Polk St (CN5542)

4G LTE Service Area BEFORE site is constructed

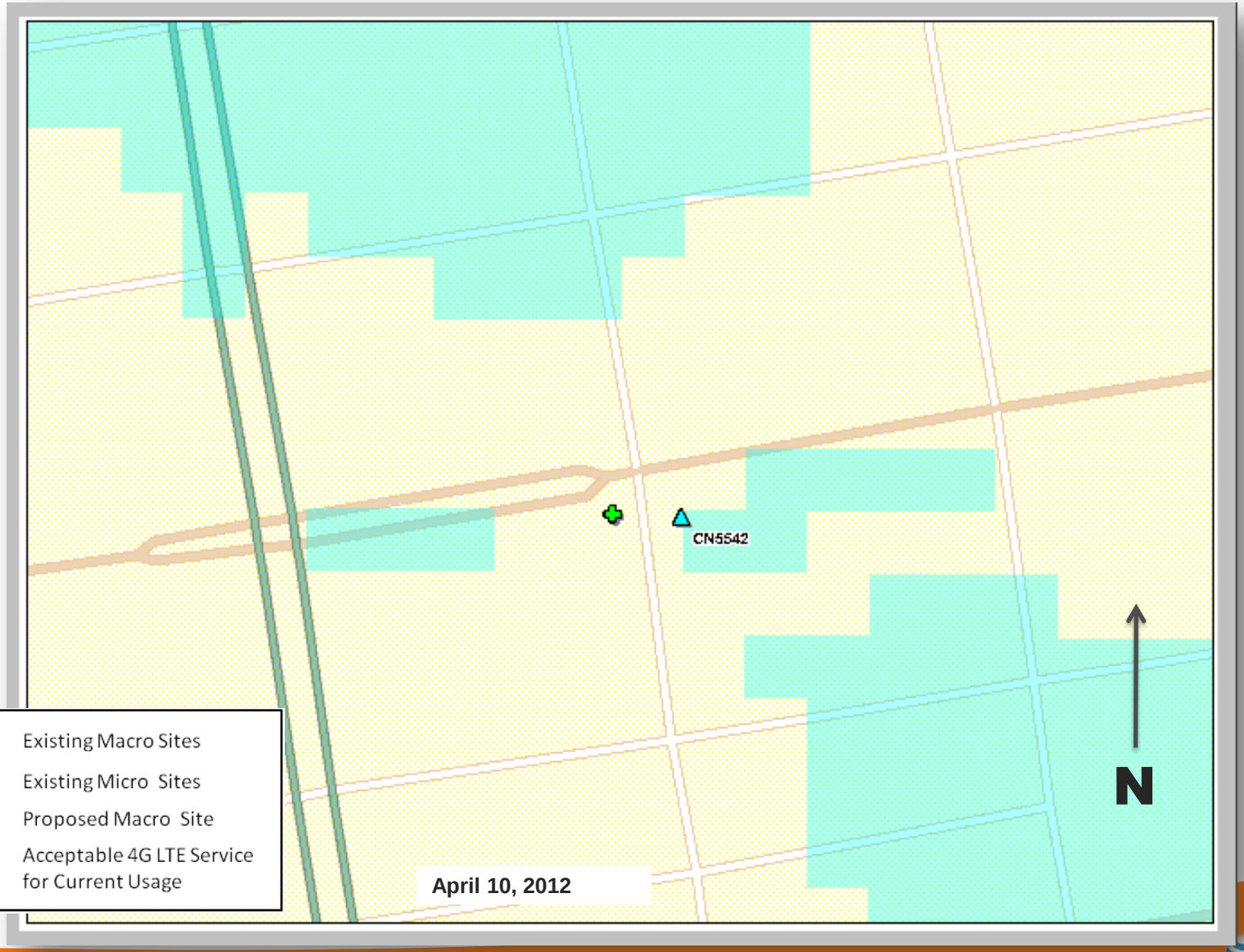
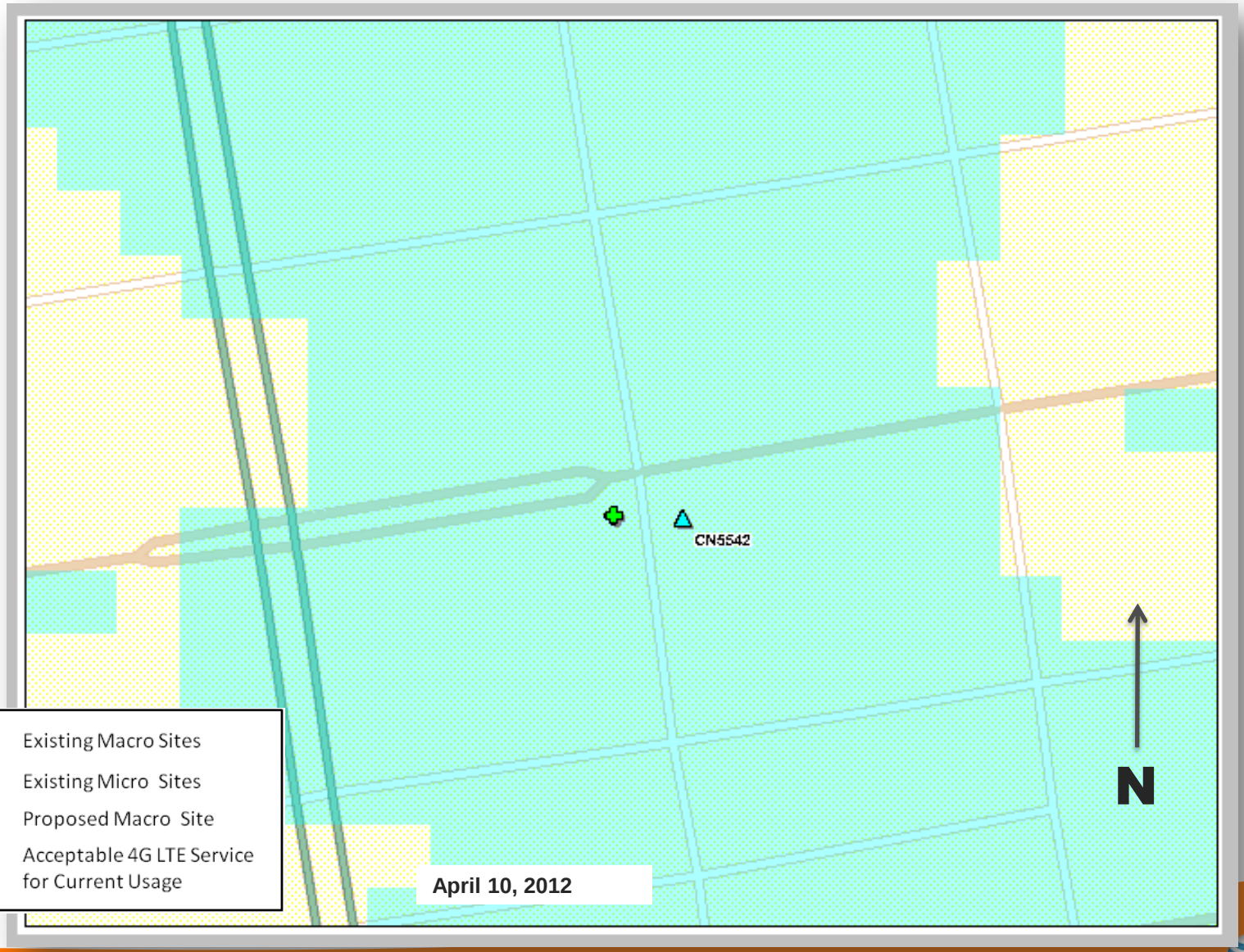


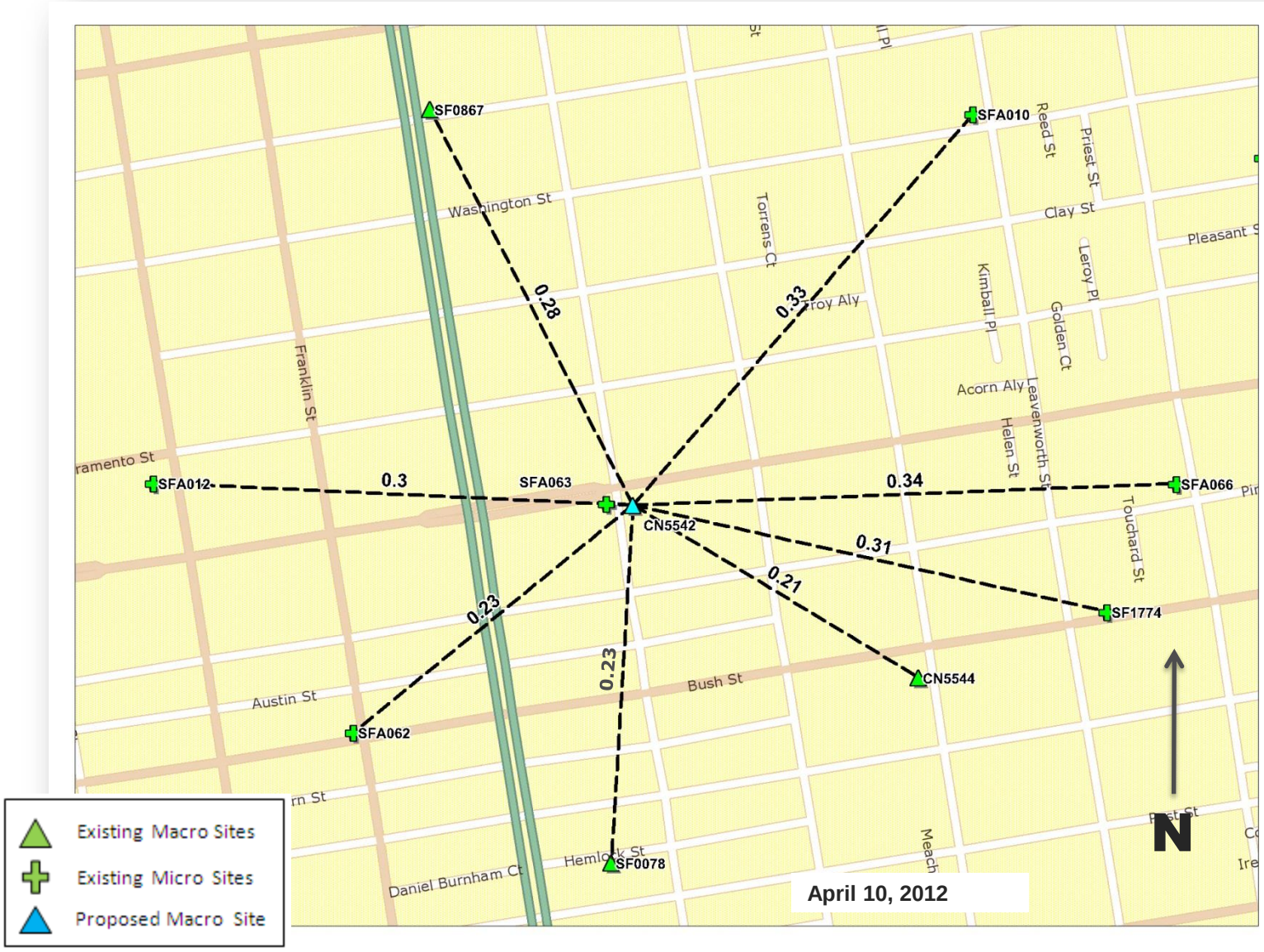
Exhibit 6 - Proposed Site at 1498 Polk St (CN5542)

4G LTE Service Area AFTER site is constructed



Existing Surrounding Sites at 1498 Polk St

CN5542



C. Location Preference

Location Preference
According to the City and County of San Francisco's Wireless Telecommunications Services Facilities Siting Guidelines, dated August 15, 1996 the subject facility is considered to be a Preference 6 location.

Preference Level 6 locations are defined as follows: *Limited Preference Sites: Individual Neighborhood Commercial Districts subject to Sections 714.1 through 729.1 and 781.1 through 781.7 of the Planning Code, NC-1 Districts, and RM-4 Districts.*

Site Justification
The subject building is a wholly commercial structure within the Polk Street Neighborhood Commercial District (NCD) located in the center of the defined search area provided by the at&t network engineers. The subject parcel abuts the Polk Street NCD on all sides and the uses of the buildings in this district are primarily wholly commercial, mixed residential and commercial use and wholly residential use.

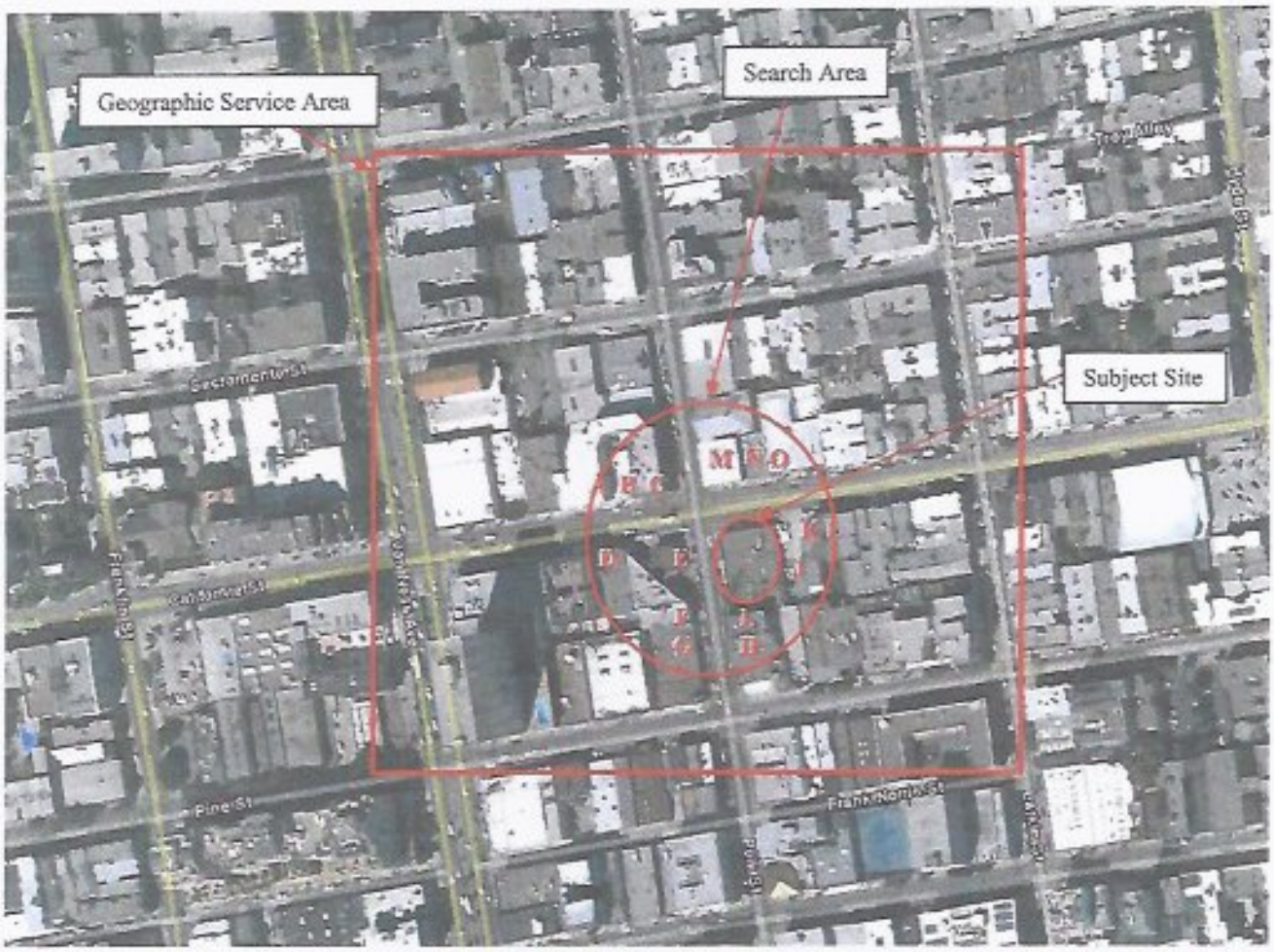
The proposed building is at a desirable location at the intersection of Polk and California Streets being across Polk Street from the existing micro facility located at 1475 Polk Street. Ideally at&t upgrades the existing micro facility to a macro facility at the existing location, however, the existing location is not structurally suitable to accommodate a macro wireless facility as there is a glass enclosure on the roof restricting construction. The Proposed Location is a suitable location at the intersection of Polk and California Streets because it is within close proximity to the existing micro facility which is located across Polk Street. The building has a large roof area which allows sectors to be separated so the antennas can be placed where line-of-sight would not be obstructed by taller buildings.

The proposed antennas would be located behind new radio frequency transparent screen walls on the roof painted to match the existing building so that they are completely screened from view. There are two (2) billboards that are on the roof of the subject building. The billboards extend approximately 22 feet above the roofline providing a backdrop to the proposed 8 foot screen around the antennas. The proposed facility has been located and designed to blend the existing building in a manner which entirely blends with the existing form and architectural character of the subject building and with the general scale, intensity and character of the surrounding buildings. The proposed facility therefore, is the least intrusive means by which at&t can provide the expanded coverage, improved signal quality and capacity for the proposed geographic service area as shown on the attached service map.

The associated equipment cabinets are to be located adjacent to the parking lot to the east behind a wood fence not requiring the removal of existing parking spaces. Please refer to attached photosimulations.

Alternative Site Locations
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 Map. The area within the search ring is primarily comprised of commercial use and mixed commercial and residential use with wholly some residential uses. Below is a list of the alternative site locations evaluated by the at&t network engineers and site acquisition team.

Alternative Site Locations Map



Alternative Site Locations Summary

	Location	Block / Lot	Zoning District	Building Type	WTS Siting Preference	Meets Network Objectives	Compatible to Community	Willing Landlord
A	1630 California Street	0643/ 003	Polk NCD	Mixed use	6	No	No (design)	Unknown
B	1616 California Street	0643/ 007	Polk NCD	Wholly commercial	6	No	No (design)	Unknown
C	1600 California Street	0643/ 004	Polk NCD	Mixed use	6	Yes	No (design)	Unknown
D	1623 California Street	0646/ 015	Polk NCD	Wholly Residential	6	Yes	No (design)	Unknown
E	1475 Polk Street (Existing micro facility)	0646/ 001	Polk NCD	Wholly Commercial	6	Yes	No (design)	Unknown
F	1435 Polk Street	0646/ 002	Polk NCD	Mixed use	6	Yes	No (design)	Unknown
G	1411 Polk Street	0646/ 003	Polk NCD	Wholly commercial	6	No	No (design)	Unknown
H	1418 Polk Street	0645/ 012	Polk NCD	Mixed use	6	No	No (design)	Unknown
I	1424 Polk Street	0645/ 013	Polk NCD	Mixed use	6	No	No (design)	Unknown
J	1561 California Street	0645/ 016	Polk NCD	Wholly Commercial	6	Yes	No (design)	Unknown
K	1555 California Street	0645/ 017	Polk NCD	Mixed use	6	No	Yes	Unknown
L	1551 California Street	0645/ 018	Polk NCD	Wholly Residential	6	No	Yes	Unknown
M	1550 California Street	0644/ 013	Polk NCD	Wholly Commercial	6	Yes	No (design)	Unknown
N	1500 Polk Street	0644/ 014	Polk NCD	Wholly Commercial	6	Yes	No (design)	Unknown
O	1522 Polk Street	0644/ 015	Polk NCD	Wholly Commercial	6	Yes	No (design)	Unknown

Site Analysis Location A
1630 California Street

The building at 1630 California Street is a mixed residential and commercial use building located in the Polk Street Neighborhood Commercial District therefore considered a Preference 6 according to the WTS Guidelines. This alternate site is a large building located on the western edge of the defined search area; with the majority of the building located outside of the search area. Due to the location within the search area, the building would not provide the line-of-sight required in order to meet the defined service objective.

The Proposed Location at 1498 Polk Street is at an ideal location in the center of the defined search area to provide the necessary service objective. Therefore, it was determined that this was not the most suitable candidate for the proposed wireless telecommunication facility within the defined search area.

Alternative Site Location B
1616 California Street

The building located at 1616 California Street is a one-story wholly commercial use building located in the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. The building is listed on the Unreinforced Masonry Building survey. A roof-mounted wireless facility would be compatible with the use of building; however, line-of-sight to the defined service area is blocked by the substantially taller adjacent buildings to the east and west. Line-of-sight to the service area is required in order to meet the defined service objective. In order to obtain line-of-sight, the height of the antennas would need to be approximately 4 stories taller to be above the adjacent buildings, therefore creating significant visual impact to the neighborhood. Therefore it was determined that a roof-mounted facility at this alternative site is unable to meet the desired service objective. However, the Proposed Location at 1498 Polk Street has a line-of-sight allowing for an antenna design that would only extend over the existing roofline of the building by 8 feet.

Alternative Site Location C
1600 California Street

The building located at 1600 California Street is a mixed residential and commercial use building located in the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. The building is listed on the Unreinforced Masonry Building survey. A roof-top antenna mount would not be feasible at this location as line-of-sight is blocked to the west by a taller building located two parcels to the west. Line-of-sight to the service area is required in order to meet the defined service objective. In order to provide line-of-sight, the height of the antennas would need to extend approximately 15 feet over the existing roof line. An antenna design at this height would not be compatible with the existing mass and scale of the building and would have a significantly intrusive design to the public.

However, the Proposed Location at 1498 Polk Street has a line-of-sight allowing for an antenna design that would only extend over the existing roofline of the building by 8 feet. Therefore it was determined that this alternative is not the most suitable for the wireless telecommunication facility.

Alternative Site Location D
1623 California Street

The building located at 1623 California Street is a wholly residential building located in the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. A roof-mounted wireless facility at this location would not have direct line-of-sight to the western portion of the service area (Van Ness Avenue). The building is blocked by the adjacent building to the west which is approximately 3 stories taller. Line-of-sight to the defined service area is required in order to meet the defined service objective. In order to provide line-of-sight to the west, the height of the antennas would need to be approximately 40 feet above the existing roof line. A structure of this size would not be compatible with the existing neighborhood and would have a significant visual impact to the public.

However, the Proposed Location at 1498 Polk Street has a line-of-sight so the design of the antennas would increase the height of the building approximately 8 feet. Therefore, it was determined this was not the most suitable candidate for the proposed wireless telecommunication facility within the defined search area.

Alternative Site Location E
1615 California Street

The building at 1475 Polk Street is a wholly commercial use building located within the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. The candidate is currently the location of the at&t micro facility that is to be upgraded. Ideally, at&t would upgrade facilities at the existing location, however, due to the architectural style and materials used, a roof-mounted facility is not feasible at this location. The building has a glass enclosure on the roof that restricts the construction of the proposed wireless facility from a structural perspective. In addition, line-of-sight to the defined service area is blocked to the west towards Van Ness Avenue by a building that is 4 stories taller.

However, the Proposed Location at 1498 Polk Street has a direct line-of-sight so the design of the antennas would only increase the height of the building approximately 8 feet. Therefore, it was determined that this site was not the most suitable candidate for a roof-mounted wireless telecommunication facility within the defined search area.

Alternative Site Location F
1435 Polk Street

The building at 1435 Polk Street is a mixed residential and commercial use building located within the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 location according to the WTS Guidelines. The building is located mid-block along Polk Street between California Street and Pine Street on the southern edge of the defined search area. Due to the location within the defined search area, line-of-sight is limited toward the east and west down California Street between Van Ness Avenue and Larkin Street. Line-of-sight is required in order to achieve the desired service objective.

The Proposed Location at 1498 Polk Street is centrally located within the defined search area and would be able to achieve the defined service objective, therefore, it was determined this was not the most suitable candidate for the proposed wireless telecommunication facility within the defined search area.

Alternative Site Location G
1411 Polk Street

The building at 1411 Polk Street is a one-story, wholly commercial building located in the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. The building is located on the southern edge of the search area with the majority of the building located outside of the search area. The one-story building is substantially shorter than the adjacent three-story building directly to the north as well as the buildings located across the street to the east, including the Proposed Location. A proposed roof-mounted wireless facility at this location would not have a direct line-of-sight to the north toward California Street as it is blocked by a taller building. Line-of-sight is required in order to achieve the desired service objective. In order to provide the necessary line-of-sight, the height of the antennas would need to be approximately 35 feet above the existing roof-line. A structure at this size would not be compatible with the existing neighborhood and would have a significant visual impact to the public.

However, at the Proposed Location at 1498 Polk Street, the antenna design would only increase the height of the building approximately 8 feet. Therefore, it was determined that this is not the most suitable location for the proposed wireless telecommunication facility.

Alternative Site Location H
1418 Polk Street

The building located at 1418 Polk Street is a mixed residential and commercial use building located in the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. A roof-mounted wireless facility at this location would not have a direct line-of-sight to the north toward California Street as the adjacent building on the north side is substantially taller. In addition, the building is located on the southern edge of the defined search area therefore the line-of-sight is limited along California Street to the east and west between Van Ness Avenue and Larkin Street. Line-of-sight to the defined service area is required in order to achieve the defined service objective.

The Proposed Location at 1498 Polk Street is centrally located within the defined search area and would be able to achieve the defined service objective, therefore, it was determined this was not the most suitable candidate for the proposed wireless telecommunication facility within the defined search area.

Alternative Site Location I
1424 Polk Street

The building at 1424 Polk Street is a mixed residential and commercial use building located within the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. The building is listed on the Unreinforced Masonry Building survey as well as the Architectural Survey with a rating of 1. The building is located on the south side of the defined search area and is unable to meet at&t mobility's service needs to the east and west along California Street between Van Ness Avenue and Larkin Street.

The Proposed Location at 1498 Polk Street is centrally located within the defined search area and would be able to achieve the defined service objective, therefore, it was determined this was not the most suitable candidate for the proposed wireless telecommunication facility within the defined search area.

Alternative Site Location J
1561 California Street

The building at 1561 California Street is a wholly commercial building located in the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. The building is listed in Here Today and on the Architectural Survey rated 2. Line-of-sight is required in order to achieve the defined service objective. The line-of-sight is blocked by the adjacent buildings to the east and west. The adjacent buildings are 2 stories and one-story taller respectively. In order to meet the defined service objective, roof-mounted antennas would need to extend above the existing roofline approximately 30 feet in order to have line-of-sight unobstructed by the adjacent buildings. A structure with this height and bulk would not be compatible to the existing building and would have a significant visual impact to the public.

However, the Proposed Location at 1498 Polk Street would have a minimal height increase to the building of approximately 8 feet therefore providing a less significant visual impact to the public. Therefore, it was determined that would not be the most suitable location for a roof-mounted wireless telecommunication facility.

Alternative Site Location K
1555 California Street

The building at 1555 California Street is a mixed residential and commercial use building located within the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. This building is listed as a historic resource in Here Today. The building is located mid-block along California Street between Polk Street and Larkin Street on the eastern edge of the defined service area. Due to the location within the defined search area, the building has a limited line-of-sight along Polk Street to the north and south between Sacramento Street and Pine Street.

However, the Proposed Location at 1498 Polk Street is centrally located within the defined search area and therefore would be able to achieve the desired service objective, therefore, it was determined that this would not be the most desirable location for a wireless telecommunication facility.

Alternative Site Location L
1551 California Street

The building at 1551 California Street is a wholly residential use building located within the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. This building is listed as a historic resource in Here Today and on the Architectural Survey rated a 2. The building is located mid-block along California Street between Polk Street and Larkin Street on the eastern edge of the defined service area. Due to the location within the defined search area, the building has a limited line-of-sight along Polk Street to the north and south between Sacramento Street and Pine Street.

However, the Proposed Location at 1498 Polk Street is centrally located within the defined search area and therefore would be able to achieve the desired service objective, therefore, it was determined that this would not be the most desirable location for a wireless telecommunication facility.

Alternate Site Location M
1550 California Street

The building at 1550 California Street is a wholly commercial use building located in the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. The building is listed on the Unreinforced Masonry Building survey. The building is located on the eastern edge of the search ring and is blocked to the west by the adjacent building that is approximately one story taller. A roof-mounted wireless facility would require the height of the antennas to be approximately 15 feet above the roof line in order to provide line-of-sight to the defined service objective. The design of the antennas at this height would require a structure that would create a significant impact to the public view.

However, the Proposed Location has an unobstructed line-of-sight to the defined service area providing for an antenna design that at 1498 Polk Street would have a minimal visual impact to the public as the antenna structure would only increase the height of the building approximately 8 feet. Due to the limited line-of-sight, it was determined that a roof-mounted facility at this alternative is unable to meet the defined service objective.

Alternative Site Location N
1500 Polk Street

The building at 1550 California Street is a wholly commercial use building located within the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. At&t attempted to make contact with the property owner of this alternative on March 3, 2010 with follow up attempts on March 15 and March 22 with no response. Due to the disinterest of the property owner, it was determined that this building is not a feasible location for the proposed wireless telecommunication facility.

Alternative Site Location O
1522 Polk Street

The building at 1522 Polk Street is a wholly commercial use building located within the Polk Street Neighborhood Commercial District and therefore considered a Preference 6 Location according to the WTS Guidelines. The building is listed on the Unreinforced Masonry Building survey as well as the Architectural Survey rated a 1. In order to have direct line-of-sight to the west, a roof-mounted facility at this location would need to extend above the existing 12 foot tall parapet which would require an approximately 17-20 foot tall extension above the existing roofline.

However, the Proposed Location at 1498 Polk Street would provide minimal visual impacts on the existing building and surrounding neighborhood as the structure would be only approximately 8 feet in height. Therefore, it was determined that this location would not be the most suitable location within the defined search area for the proposed wireless telecommunication facility.

AT&T Mobility • Proposed Base Station (Site No. CN5542)
1498 Polk 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. CN5542) proposed to be located at 1498 Polk 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	2.35	0.47
[most restrictive frequency range]	30–300	1.00	0.20

The site was visited by the undersigned engineer during normal business hours on November 28, 2011, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by Streamline Engineering and Design, Inc., dated November 3, 2011.

Checklist

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

There were observed no wireless base stations installed at the site. Existing RF levels for a person at ground near the site were less than 1% of the most restrictive public exposure limit.

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 observed two omnidirectional antennas for use by AT&T mounted high on the corner of the three-story commercial building located across Polk Street, about 90 feet from the proposed antennas. The additive EMR levels were reflected in the readings reported in Item 1 above.

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 nine Andrew Model DBXNH-6565A-R2M directional panel antennas behind new view screens to be constructed above the roof of the one-story commercial building located at 1498 Polk Street. The antennas would be mounted with up to 4° downtilt at effective heights of at least 27½ feet above ground, 6 feet above the roof, and would be oriented in groups of three toward 20°T, 130°T, and 270°T.

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

The expected operating power of the AT&T transmitters is reflected in the resulting effective radiated power given in Item 6 below; the transmitters may operate at a power below their maximum rating.

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

The maximum effective radiated power proposed by AT&T in any direction is 6,010 watts, representing simultaneous operation at 3,640 watts for PCS, 1,590 watts for cellular, and 780 watts for 700 MHz service.

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

The drawings show the proposed antennas to be installed as described in Item 4 above. There were noted buildings of similar height on all sides of the subject building, located at least 80 feet from the antennas.

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

For a person anywhere at ground, the maximum ambient RF exposure level due to the proposed AT&T operation by itself is calculated to be 0.095 mW/cm^2, which is 13% of the applicable public exposure limit. Ambient RF levels at the site are therefore estimated to be below 14% of the limit. The maximum calculated cumulative level at any nearby building* is 45% of the public limit. The maximum calculated cumulative level at any nearby residence† is 7.3% of the public exposure limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 54 feet out from the antenna faces, and to much lesser distances above, below, and to the sides; this includes areas of the roof of the building but does not reach other buildings or any publicly accessible areas.

* Located at least 80 feet away, based on the drawings.
† Located at least 130 feet away, based on the drawings.

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 18 feet directly in front of the antennas themselves, such as might occur during maintenance work on the roof, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Marking "Prohibited Access Areas" with red paint stripes on the roof in front of the antennas and "Worker Notification Areas" with yellow stripes, as shown in Figure 1 attached, and posting explanatory warning signs‡ at the roof access ladder, 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.

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 1498 Polk 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. Marking "Prohibited Access Areas" and posting explanatory signs is recommended to establish compliance with occupational exposure limitations.

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

November 30, 2011

AT&T Mobility • Proposed Base Station (Site No. CN5542)
1498 Polk Street • San Francisco, California

Suggested Locations for Striping to Identify "Prohibited Access Areas" (red) and "Worker Notification Areas" (yellow)

Notes:
Base drawing from Streamline Engineering and Design, Inc., dated November 3, 2011.
Barricades should be erected as shown to preclude access by the public to areas in front of the antennas.
"Prohibited Access Areas" should be marked with red paint stripes, "Worker Notification Areas" should be marked with yellow paint stripes, and explanatory warning signs should be posted outside the areas, readily visible to authorized workers needing access. See text.

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

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

Review of Cellular Antenna Site Proposals

Project Sponsor : *AT&T Wireless* **Planner:** *Jonas Ionin*

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

Project Address/Location: *1498 Polk St*

Site ID: *1584* **SiteNo.:** *CN5542*

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: **0**

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: **6010** 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: **6010** 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: **0.095** mW/cm^2. Maximum RF Exposure Percent: **13**

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: **54**

☑ Occupational_Exclusion_Area Occupational Exclusion In Feet: **18**

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 1498 Polk Street. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There were observed two omnidirectional antennas on a three story building within 100 feet of this site. AT&T Wireless proposes to install 9 new antennas. The antennas will be mounted at a height of about 28 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.095 mW/sq cm., which is 13 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 54 feet which includes areas of the rooftop but does not reach any publicly accessible areas. The closest building is reported to be located about 80 feet away which is predicted to be 45% of the FCC public exposure limit. The nearest residence is about 130 feet away and is predicted to be 7.3% of the FCC public exposure limit. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Workers should not have access to within 18 feet of the front of the antennas while they are in operation. This area should be marked with yellow and red striping on the roof to designate the prohibited access and worker notification zones.

___ **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: 4/9/2012

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

kdi LAND USE PLANNING

April 8, 2011

Aaron Hollister, Planner
San Francisco Department of Planning
1650 Mission Street, 4th Floor
San Francisco, CA 94103

Re: Community Meeting for proposed AT&T Mobility facility at 1498 Polk Street

Dear Mr. Hollister,

On April 7, 2011, AT&T Mobility conducted a community outreach meeting regarding the proposed wireless facility at 1498 Polk Street (2010.0068 C). The meeting was held at The First Congressional Church of San Francisco at 1300 Polk Street at 7:00 p.m. Notification of the outreach meeting was sent out on March 24, 2011 to 1617 owners and tenants within 500 feet of the proposed installation and 19 neighborhood organizations.

I conducted the meeting for AT&T Mobility as the project sponsor along with Corey Alvin of KDI Planning, Theadora Vriheas of AT&T's External Affairs, and Lynn Bruno, a community relations representative with Hammett and Edison, Inc. who was there to answer any questions regarding the EMF emissions from the proposed wireless facility. There were seven (7) members of the community who attended the meeting. Various questions were asked regarding the facility; however, the primary concern was the design of the proposed facility and the perceived EMF emissions that the proposed facility would have. In regards to the design of the facility, two comments were noted: 1) a suggestion to decrease the bulk from the screen wall from around the antennas 2) a concern that the proposed antennas would block a neighbor's view.

Please contact me if you have any questions or concerns.

Sincerely,

Erin Whitney

Erin Whitney
KDI Planning
representing AT&T Mobility

Attachments:

Affidavit of Conducting a Community Outreach Meeting
Community Meeting Notice
Sign-up Sheet

Affidavit of Conducting a Community Outreach Meeting

I, Erin Whitney, do hereby declare as follows:
(print name)

1. I have conducted a **Community Outreach Meeting** for the proposed wireless telecommunication facility in accordance with Planning Commission Resolution No. 16539.

2. The meeting was conducted at the First Congregational Church of San Francisco/ 1300 Polk Street (location/address) on April 4, 2011 (date) from 7pm – 9 pm (time).

3. I have included the **mailing list, neighborhood groups list and reduced plans** with the Conditional Use Application. I understand that I am responsible for the accuracy of this information and that erroneous information may lead to suspension or revocation of the permit.

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

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

EXECUTED ON THIS DAY, April 15, 2011 IN SAN FRANCISCO

Erin Whitney
Signature

Erin Whitney, KDI
Name (type or print)

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

1498 Polk Street
Project Address

NOTICE OF NEIGHBORHOOD MEETING

To: Neighborhood Groups, Neighbors & Owners within 500' radius of 1498 Polk Street

Meeting Information
Date: April 7, 2011
Time: 7:00 p.m.
Where: SF Congregational Church
Of San Francisco
1300 Polk Street
San Francisco, CA 94109

Site Information
Address: 1498 Polk Street
Block/Lot: 0645/014A, 0645/014, 0645/015
Zoning: Polk Street Neighborhood Commercial District

Applicant
AT&T Mobility

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

AT&T Mobility is proposing a wireless communication facility at 1498 Polk Street needed by AT&T Mobility as part of its San Francisco wireless network. The proposed AT&T Mobility site is an unmanned facility consisting of the installation of twelve (12) panel antennas. The antennas will be placed behind new screen walls on the roof of the building so that they are not visible to the public. The new screen walls will be painted to match the existing building. The associated equipment will be located adjacent to the parking lot to the east of the subject property. 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 First Congregational Church of San Francisco, 1300 Polk Street on April 7, 2011 at 7:00 p.m. to learn more about the project.

If you have any questions regarding the proposal and are unable to attend the meeting, please contact the AT&T Mobility Hotline at (415) 646-0972 and an AT&T Mobility specialist will return your call. Please contact Aaron Hollister with the City of San Francisco Planning Department at (415) 575-9078 if you have any questions regarding the planning process.

NOTE: If you require an interpreter to be present at the meeting, please contact our office at (415) 646-0972 no later than 5:00pm on Tuesday April 5, 2011 and we will make every effort to provide you with an interpreter.

NOTIFICACIÓN DE REUNIÓN DE VECINDARIO

Para: Grupos del vecindario, vecinos y propietarios dentro de un radio de 500' de 1498 Polk Street

Información de la reunión
Fecha: 7 de abril de 2011
Hora: 7:00 p.m.
Dónde: SF Congregational Church
Of San Francisco
1300 Polk Street
San Francisco, CA 94109

Información del lugar
Dirección: 1498 Polk Street
Cuadra/Lote: 0645/014A, 0645/014, 0645/015
Zonificación: Distrito comercial del vecindario Polk Street

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 1498 Polk 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 colocarán detrás de mampara nuevas en el techo del edificio para que no se vean. Las mamparas nuevas se pintarán para que combinen con el edificio existente. El equipo relacionado se ubicará adyacente al espacio de aparcamiento al este de la propiedad en cuestión. 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 First Congregational Church of San Francisco, 1300 Polk Street el 7 de abril de 2011 a las 7:00 p.m. para tener más información sobre el proyecto.

Si tiene preguntas relacionadas con la propuesta y no puede asistir a la reunión, por favor, llame a la Línea Directa de AT&T Mobility, (415) 646-0972, y un especialista de AT&T Mobility le devolverá el llamado. Por favor, contacte a Aaron Hollister del Departamento de Planificación de la Ciudad de San Francisco al (415) 575-9078 si tiene alguna pregunta relaciona da con el proceso de planificación.

NOTA: Si necesita que un intérprete esté presente en la reunión, por favor, contacte a nuestra oficina al (415) 646-0972 el abril 5, 2011 antes de las 5:00 p.m., y haremos todos lo posible para proporcionarle un intérprete.

社區會議通知

致：Polk 街 1498 號周圍五百英尺內的社區組織、居民和業主

會議資訊
日期： 2011 年 4 月 7 日
時間： 下午 7:00
地點： 加利福尼亞州三藩市Polk街1300號SF Congregational Church of San Francisco（郵編94109）

設施地點資訊
地址：Polk 街 1498 號
街區 / 地段：0645/014A，1645/014，0645/015
分區：Polk 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 Polk 街 1498 號建造一座無線通訊設施，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 設施為無人操作設施，將安裝十二 (12) 根平板天線。這些天線將被放置在該建築樓頂的一道新建造的圍牆後面，公眾從外面將無法看到這些天線。這道新圍牆的粉刷將與現有建築保持一致。相關設備將被放置在該物業東側的停車場的附近。我們在會上將提供計畫書和類比圖片供您參考。我們誠意邀請您參加定於 2011 年 4 月 7 日下午 7:00 在 Polk 街 1300 號 First Congregational Church of San Francisco 召開的社區通氣會，以便您瞭解有關本專案的更多資訊。

如果您對該計畫有任何疑問，但是無法出席這次會議，請撥打AT&T Mobility公司熱線電話(415) 646-0972，AT&T Mobility公司的一位專業人員將會回復您的電話。如果您對本規劃程式有任何疑問，請致電 (415) 575-9078與三藩市城市規劃署的Aaron Hollister聯繫。

注意:如果您需要一名翻譯陪同您出席會議，請在不晚於 2011 年 4 月 5 日（星期二）下午 5 點前致電 (415) 646-0972 與本辦公室聯繫，我們將盡力為您配備一名翻譯。

at&t

1498 Polk Street, Community Meeting
March 23, 2011

Name	Address	Phone/Email
Natasha	970 Post St. #6 SF CA 94109	
Marcia	1849 Larkin St. SF 94109	
Andrew	1849 Larkin St. SF 94109	
Georgia Llewellyn	1424 Polk St. #32 94109	REDHEDD@ATT.NET
Chris Schulman	1156 Sutter St #304	chris.schulman@gmail.com
Rohan		SCHTONK@hotmail.com
		415-441-7039 (H)
		[illegible] Photographer
		[illegible]-650-696-2516

OUT OF THE CLOSET
1498 POLK ST
SAN FRANCISCO, CA 94109
CN5542

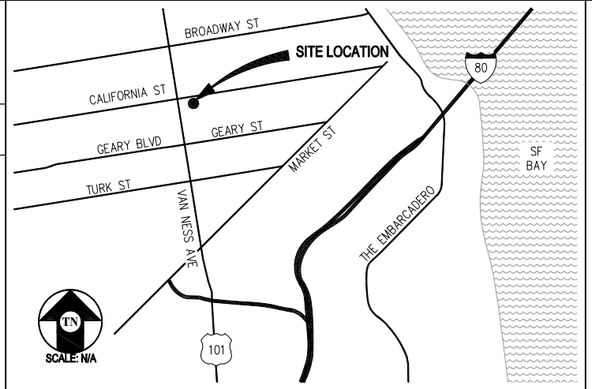
PROJECT DESCRIPTION

A (P) UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF (9) (P) ROOFTOP ANTENNAS, (6) (P) RRH'S, (18) (P) RRUW'S, W/ A (P) 5' FRP SCREEN & 2' PARAPET EXTENSION, TEXTURE & PAINT TO MATCH (E) BUILDING, A (2) (P) 2106 RBS CABINETS, (4) (P) PURCELL CABINETS (1) (P) RBA 72 CABINET, A (P) 10' HIGH WOOD FENCE W/ CHAIN LINK COVER & A (P) 18" CABLE TRAY.

PROJECT INFORMATION

SITE NAME:	OUT OF THE CLOSET	SITE #:	CN5542
COUNTY:	SAN FRANCISCO	JURISDICTION:	CITY OF SAN FRANCISCO
BLOCK/LOT:	0645-015 & 0645-014 & 0645-14A	POWER:	PG&E
SITE ADDRESS:	1498 POLK ST SAN FRANCISCO, CA 94109	TELEPHONE:	AT&T
CURRENT ZONING:	POLK		
CONSTRUCTION TYPE:	V		
OCCUPANCY TYPE:	U, (UNMANNED COMMUNICATIONS FACILITY)		
HEIGHT / BULK:	80-A		
PROPERTY OWNER:	LI HWA LU C/O JAMES LU 468 7TH AVE #4 SAN FRANCISCO, CA 94118		
APPLICANT:	AT&T 430 BUSH STREET, 5TH FLOOR SAN FRANCISCO, CA 94108		
LEASING CONTACT:	ATTN: CAROLINA ROBERTS (925) 286-1076		
ZONING CONTACT:	ATTN: ERIC LENTZ (805) 895-4394		
CONSTRUCTION CONTACT:	ATTN: EARLE EARLEY (408) 636-3717		
LATITUDE: LONGITUDE:	N 37° 47' 25.35" NAD 83 W 122° 25' 13.22" NAD 83		
AMSL:	± 171.5'		

VICINITY MAP



DRIVING DIRECTIONS

FROM: 430 BUSH ST, 5TH FLOOR, SAN FRANCISCO, CA 94108
TO: 1498 POLK ST, SAN FRANCISCO, CA 94109

1. HEAD EAST ON BUSH ST TOWARD CLAUDE LN.	207 FT
2. TAKE THE 1ST LEFT ONTO KEARNY ST.	344 FT
3. TAKE THE 1ST LEFT ONTO PINE ST.	0.9 MI
TURN RIGHT AT POLK ST.	289 FT

END AT: 1498 POLK ST, SAN FRANCISCO, CA 94109

ESTIMATED TIME: 5 MINUTES ESTIMATED DISTANCE: 1.1 MILES

CODE COMPLIANCE

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

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

ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

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

SHEET INDEX

APPROVAL

RF

LEASING

ZONING

CONSTRUCTION

AT&T

ERICSSON

OUT OF THE CLOSET
CN5542
1498 POLK ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	09/21/10	ZD 100%	J.S.
	10/05/11	CLIENT REV	J.S.
	10/22/10	CLIENT REV	G.T.
	11/23/10	CLIENT REV	C.C
	07/25/11	CLIENT REV	J.S.
	03/02/12	CLIENT REV	C.M.

DRAWN BY:	M. STARR
CHECKED BY:	L. HOUGHTBY
APPROVED BY:	-
DATE:	03/02/12

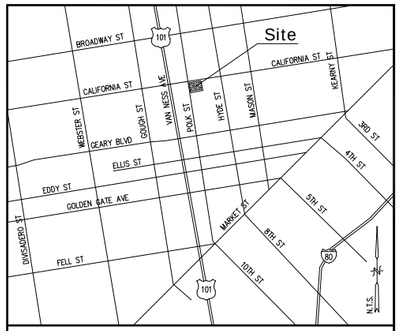
Streamline Engineering and Design, Inc.
3268 Penryn Rd, Suite 200 Loomis, CA 95650
Contact: Larry Houghtby Phone: 916-275-4180
E-Mail: larry@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. THESE PLANS AND SPECIFICATIONS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF STREAMLINE ENGINEERING AND DESIGN, INC. ALL COPYRIGHT LAWS RESERVED

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

SHEET TITLE:
TITLE

SHEET NUMBER:
T-1



Vicinity Map

Title Report

THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE REPORT.
PREPARED BY:
ORDER NO.:
DATED:

Legal Description

LOT 14 & 15 IN BLOCK 645, IN THE CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA

Assessor's Parcel Nos.

0645-014, 0645-014A & 0645-015

Easements

NOT AVAILABLE

Access Easement/Lease Area

TO BE DETERMINED

Geographic Coordinates at Center of Sectors

1983 DATUM: LATITUDE 37° 47' 25.35" N LONGITUDE 122° 25' 13.22" W
ELEVATION = 171.5 FEET ABOVE MEAN SEA LEVEL

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

Basis of Bearings

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

Bench Mark

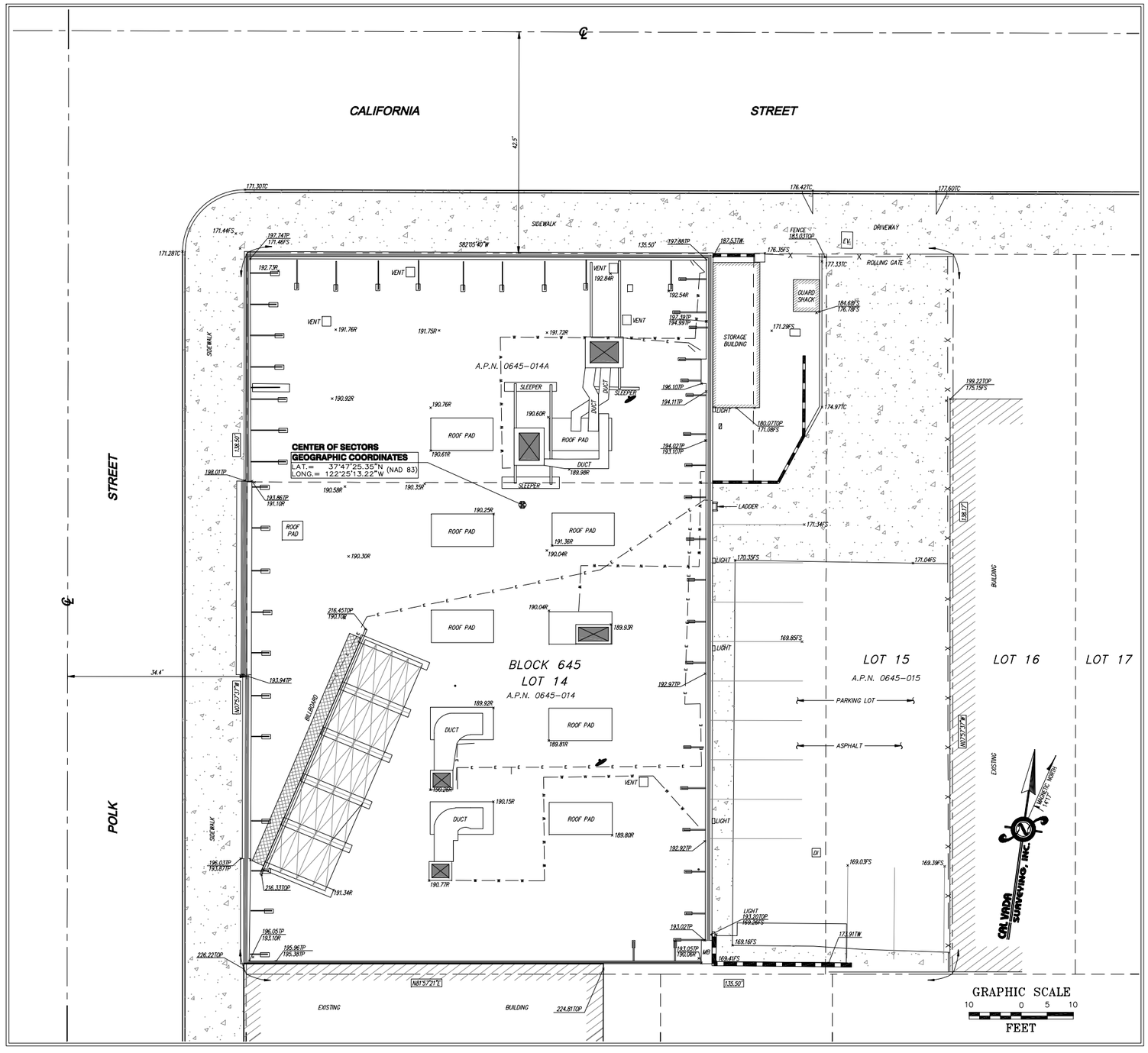
THE CALIFORNIA SPATIAL REFERENCE C.O.R.S "TIBB", ELEVATION = 38.73 FEET (NAVD 88).

Date of Survey

MAY 11, 2010

Legend

FS	FINISH SURFACE	-E-E-	ELECTRIC LINE
EV	ELECTRIC VAULT	-W-W-	WATER LINE
	POWER POLE		LIGHT
	RETAINING/BLOCK WALL	MB	METAL BOX
TYP	TYPICAL	TOP	TOP OF STRUCTURE
	CONCRETE PAVEMENT		GEODETIC COORDINATES
	EDGE OF PAVEMENT	TP	TOP OF PARAPET
	AC UNIT		FIRE HYDRANT/FIRE
TC	TOP OF CURB		DISH
	PROPERTY LINE	R	ROOF



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

PROPRIETARY INFORMATION

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

CONSULTANT

CALVADA SURVEYING, INC.
411 Jenks Cir., Suite 208, Corona, CA 92880
Phone: 951-280-9960 Fax: 951-280-9746
Toll Free: 800-CALVADA www.calvada.com
JOB NO. 10335

PREPARED FOR

at&t

4430 Rosewood Drive
Pleasanton, California 94588

APPROVALS

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

PROJECT NAME
OUT OF THE CLOSET

PROJECT NUMBER
CN5542

1498 POLK STREET
SAN FRANCISCO, CA 94109
SAN FRANCISCO COUNTY

DATE	DESCRIPTION	BY
05/17/10	PRELIMINARY	HN
05/03/11	GEOGRAPHIC COORDINATES	MN
07/20/11	UPDATE GEOGRAPHIC COORDINATES	AL

SHEET TITLE

TOPOGRAPHIC SURVEY

C-1

SHEET 1 OF 1

SITE PLAN

1"=20'-0"

OUT OF THE CLOSET

CN5542

1498 POLK ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	09/21/10	ZD 100%	J.S.
	10/05/11	CLIENT REV	J.S.
	10/22/10	CLIENT REV	C.T.
	11/23/10	CLIENT REV	C.C
	07/25/11	CLIENT REV	J.S.
	03/02/12	CLIENT REV	C.M.

DRAWN BY:	M. STARR
CHECKED BY:	L. HOUGHTBY
APPROVED BY:	–
DATE:	03/02/12

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

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. AND SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT FOR WHICH THE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS WITH OUT PRIOR WRITTEN CONSENT OF THE ENGINEER. Copyright ©2010, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED

at&t

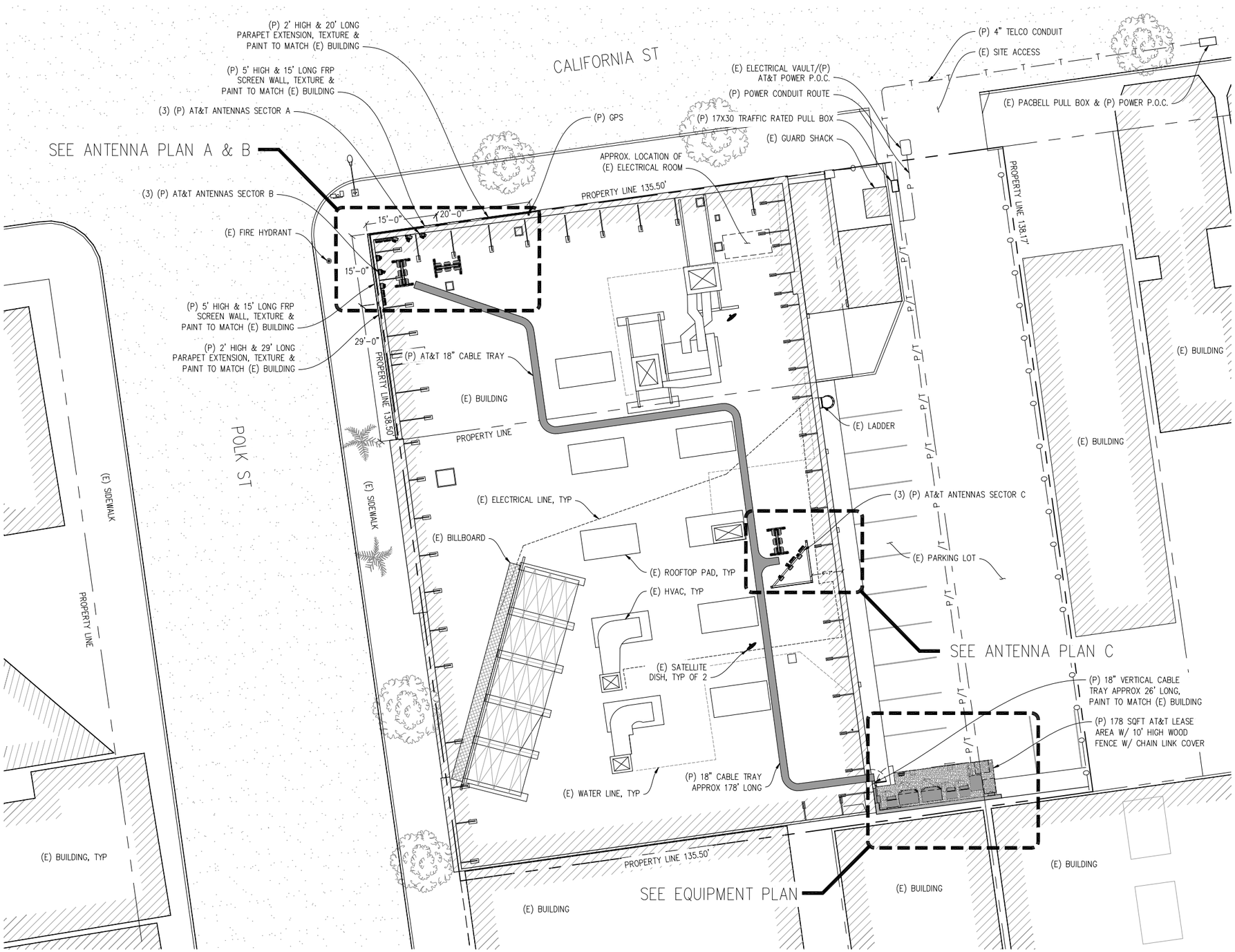
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

A-1



ENLARGED SITE PLAN

1"=10'-0"

OUT OF THE CLOSET

CN5542
1498 POLK ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	09/21/10	ZD 100%	J.S.
	10/05/11	CLIENT REV	J.S.
	10/22/10	CLIENT REV	G.T.
	11/23/10	CLIENT REV	C.C
	07/25/11	CLIENT REV	J.S.
	03/02/12	CLIENT REV	C.M.

DRAWN BY:	M. STARR
CHECKED BY:	L. HOUGHTBY
APPROVED BY:	–
DATE:	03/02/12

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

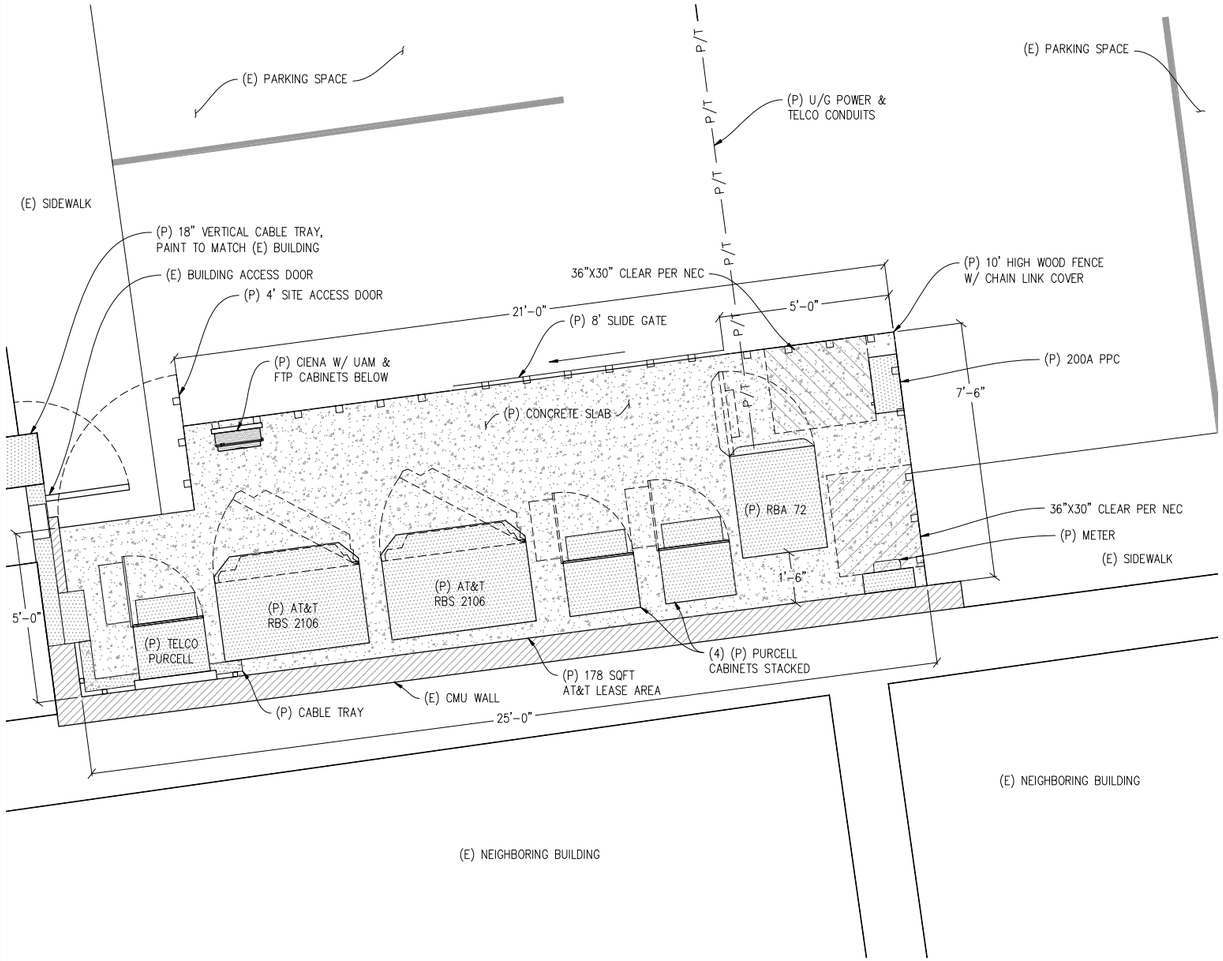
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STREAMLINE ENGINEERING AND DESIGN, INC. THE VISUAL CONTENTS OF THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS WITH OUT PRIOR WRITTEN CONSENT OF THE ENGINEER. Copyright ©2010, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED

at&t

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

SHEET TITLE:
ENLARGED SITE PLAN

SHEET NUMBER:
A-2



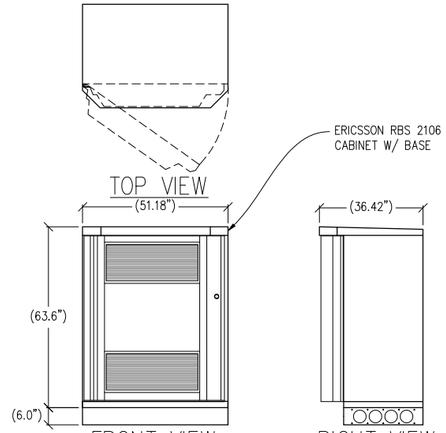
TN

EQUIPMENT PLAN

½"=1'-0"

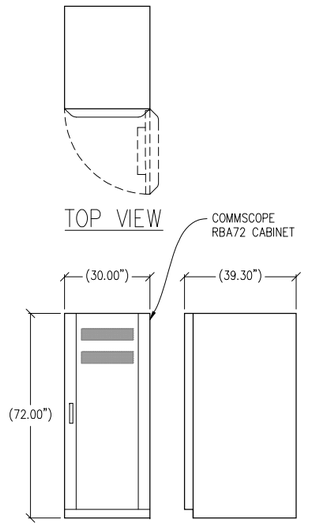
0 6" 1' 2' 3' 5' 7' 10'

NOTE: TOP OF FENCE HAS BEEN REMOVED FOR CLARITY



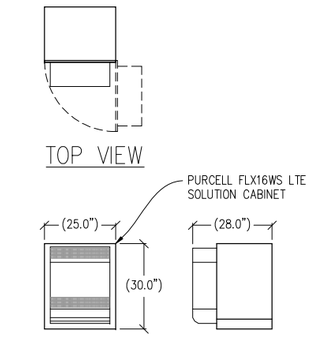
1 RBS DETAIL

½"=1'-0" WEIGHT = 1,510LBS



2 CABINET DETAIL

½"=1'-0"



3 PURCELL DETAIL

½"=1'-0"

OUT OF THE CLOSET

CN5542

1498 POLK ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	09/21/10	ZD 100%	J.S.
	10/05/11	CLIENT REV	J.S.
	10/22/10	CLIENT REV	G.T.
	11/23/10	CLIENT REV	C.C
	07/25/11	CLIENT REV	J.S.
	03/02/12	CLIENT REV	C.M.

DRAWN BY:	M. STARR
CHECKED BY:	L. HOUGHTBY
APPROVED BY:	–
DATE:	03/02/12

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

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AGREEMENT OF STREAMLINE ENGINEERING AND DESIGN, INC. THESE PLANS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS WITH OUT PRIOR WRITTEN CONSENT OF THE ENGINEER. Copyright ©2010 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED

at&t

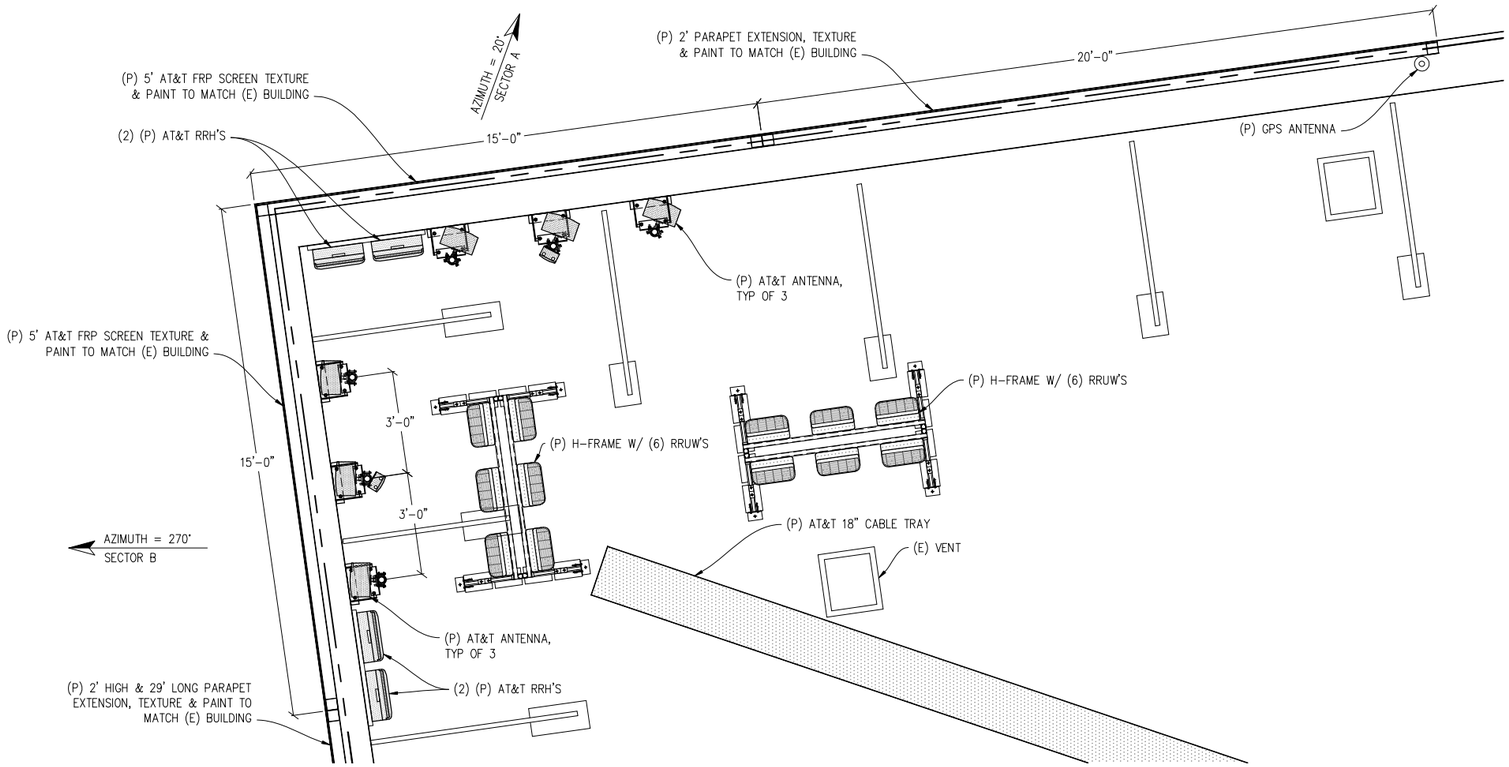
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

EQUIPMENT PLAN & DETAIL

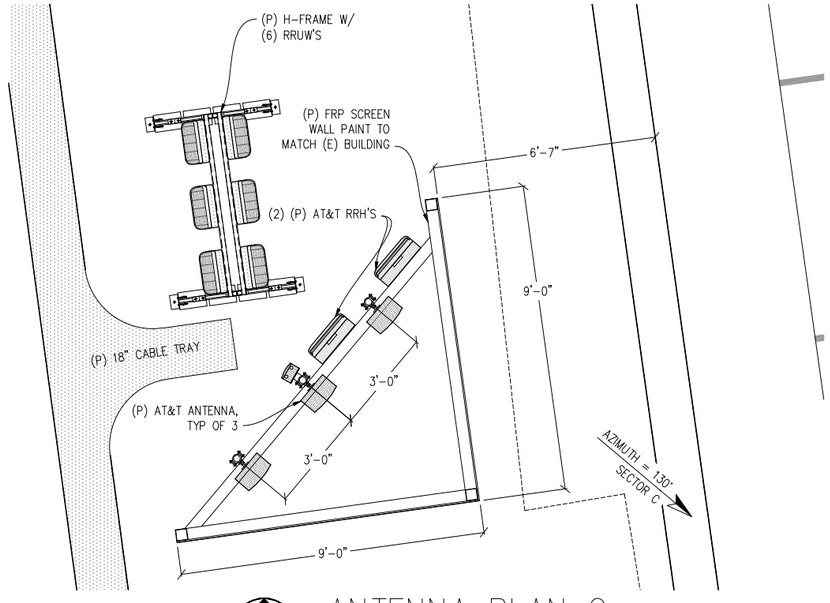
SHEET NUMBER:

A-3



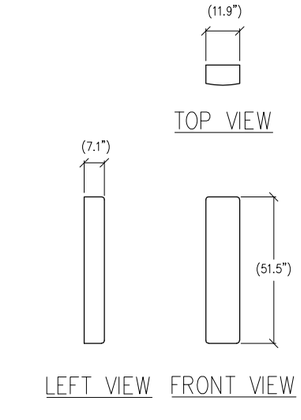
ANTENNA PLAN A & B

½"=1'-0"



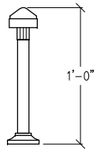
ANTENNA PLAN C

½"=1'-0"



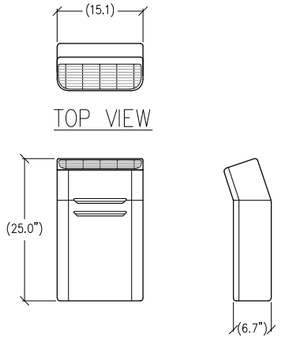
1 ANTENNA DETAIL

½"=1'-0"



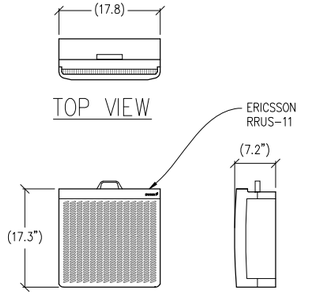
2 GPS DETAIL

1"=6"



3 RRUW-01 DETAIL

1"=1'-0" WEIGHT = 55LBS
ERICSSON RRUW-01



4 RRUS-11 DETAIL

1"=1'-0" WEIGHT = 50LBS

OUT OF THE CLOSET

CN5542
1498 POLK ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	09/21/10	ZD 100%	J.S.
	10/05/11	CLIENT REV	J.S.
	10/22/10	CLIENT REV	G.T.
	11/23/10	CLIENT REV	C.C
	07/25/11	CLIENT REV	J.S.
	03/02/12	CLIENT REV	C.M.

DRAWN BY: M. STARR
CHECKED BY: L. HOUGHTBY
APPROVED BY: –
DATE: 03/02/12

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

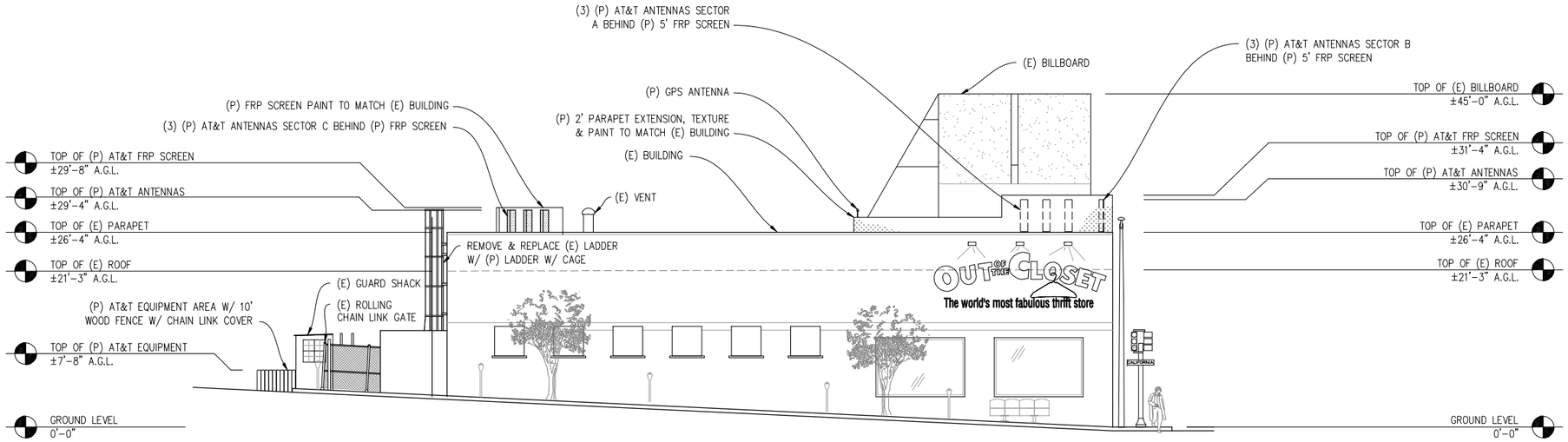
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. AND SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY WERE PREPARED AND DELIVERED. THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE LOANED, COPIED OR USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS WITH OUT PRIOR WRITTEN CONSENT OF THE ENGINEER. Copyright ©2010, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED

at&t

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

SHEET TITLE:
ANTENNA PLANS & DETAILS

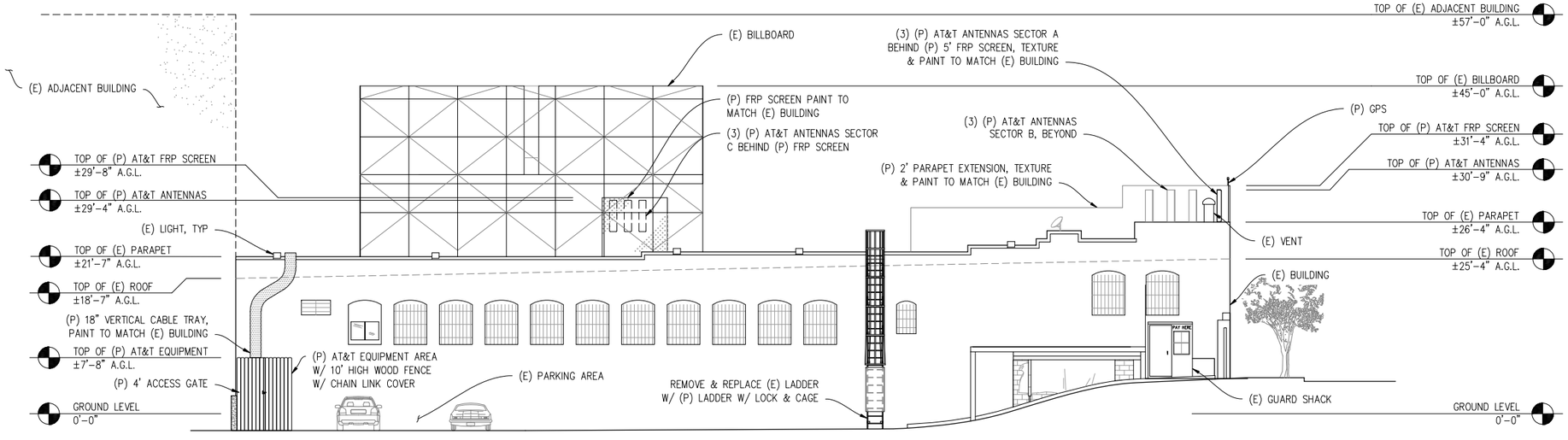
SHEET NUMBER:
A-4



NORTH ELEVATION

1/8"=1'-0"

VIEW FROM CALIFORNIA ST



EAST ELEVATION

1/8"=1'-0"

VIEW FROM PARKING LOT BEHIND BUILDING

OUT OF THE CLOSET

CN5542

1498 POLK ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	09/21/10	ZD 100%	J.S.
	10/05/11	CLIENT REV	J.S.
	10/22/10	CLIENT REV	G.T.
	11/23/10	CLIENT REV	C.C
	07/25/11	CLIENT REV	J.S.
	03/02/12	CLIENT REV	C.M.

DRAWN BY:	M. STARR
CHECKED BY:	L. HOUGHTBY
APPROVED BY:	–
DATE:	03/02/12

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

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE USE OF THESE DRAWINGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR ENTITY ON OTHER PROJECTS WITH OUT PRIOR WRITTEN CONSENT OF THE ENGINEER. Copyright ©2010 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED

at&t

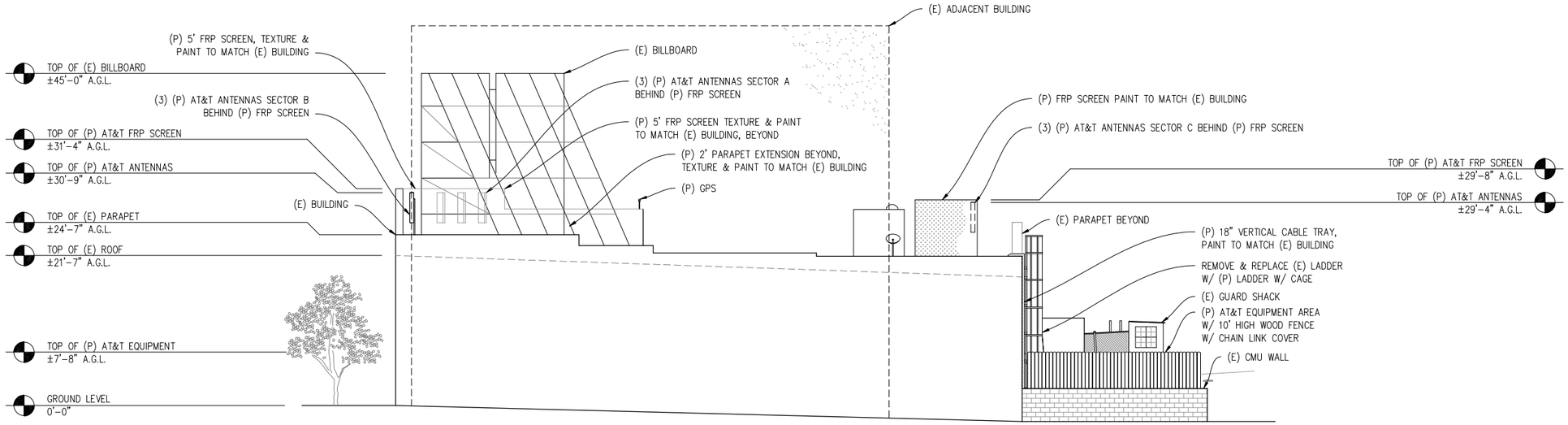
430 BUSH STREET, 5TH FLOOR
SAN FRANCISCO, CA 94108

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

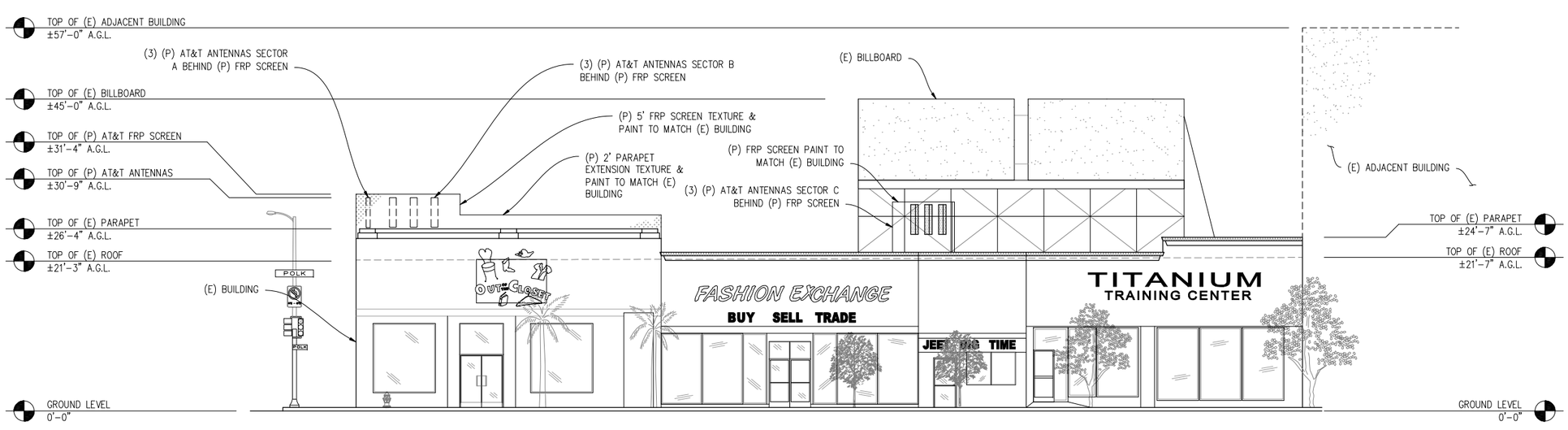
A-5



SOUTH ELEVATION

⅛"=1'-0"

VIEW FROM PINE ST



WEST ELEVATION

⅛"=1'-0"

VIEW FROM POLK ST

OUT OF THE CLOSET

CN5542

1498 POLK ST
SAN FRANCISCO, CA 94109

ISSUE STATUS

△	DATE	DESCRIPTION	BY
	09/21/10	ZD 100%	J.S.
	10/05/11	CLIENT REV	J.S.
	10/22/10	CLIENT REV	G.T.
	11/23/10	CLIENT REV	C.C
	07/25/11	CLIENT REV	J.S.
	03/02/12	CLIENT REV	C.M.

DRAWN BY:	M. STARR
CHECKED BY:	L. HOUGHTBY
APPROVED BY:	–
DATE:	03/02/12

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

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. AND ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STREAMLINE ENGINEERING AND DESIGN, INC. ALL RIGHTS RESERVED

at&t

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

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-6