



SAN FRANCISCO PLANNING DEPARTMENT

Executive Summary Conditional Use Authorization

HEARING DATE: APRIL 5, 2012

Date: March 29, 2012
Case No.: **2011.0410C**
Project Address: **2242 Polk Street**
Current Zoning: Polk Street Neighborhood Commercial District
65-A Height and Bulk District
Block/Lot: 0549/015
Project Sponsor: Tony Kim for AT&T Mobility
100 Clement Street
San Francisco, CA 94118
Staff Contact: Rick Crawford – (415) 558-6358
rick.crawford@sfgov.org
Recommendation: **Approval with Conditions**

1650 Mission St.
Suite 400
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CA 94103-2479

Reception:
415.558.6378

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415.558.6377

PROJECT DESCRIPTION

The proposal is to install up to nine roof-mounted panel antennas and associated equipment cabinets on the roof as part of a wireless transmission network operated by AT&T-Mobility. The site is a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines. Each antenna measures 4'-3" high by 1' wide by 7" thick. The antennas would be mounted on the existing roof approximately 60 feet above grade. The proposed antennas would be placed within new radio frequency transparent shrouds designed to resemble rooftop vent pipes. The top of the antennas would be approximately 70 feet above grade. Equipment cabinets would also be placed on the roof.

SITE DESCRIPTION AND PRESENT USE

The project is located on the southeast corner of Polk and Green Streets; Lot 015, Assessor's Block 0549, lot 015 and within the Polk Street Neighborhood Commercial Zoning District and 65-A Height and Bulk District. The site is occupied by a four-story masonry mixed-use building constructed circa 1913 that is classified as a historic resource. The subject building contains ground floor commercial uses and approximately 42 residential apartment units on the upper floors.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The project site is located in an area of multi-story, mixed-use buildings featuring residential uses above ground floor commercial. A number of residential hotels are in the area along with automobile repair facilities. Other commercial establishments are neighborhood-serving uses. Buildings range from one to four stories in height.

ENVIRONMENTAL REVIEW

The project is exempt from the California Environmental Quality Act (“CEQA”) as a Class 3 categorical exemption. Additionally this project was determined to have no adverse effect on historic properties. The categorical exemption and all pertinent documents may be found in the files of the Planning Department, as the custodian of records, at 1650 Mission Street, San Francisco.

HEARING NOTIFICATION

TYPE	REQUIRED PERIOD	REQUIRED NOTICE DATE	ACTUAL NOTICE DATE	ACTUAL PERIOD
Classified News Ad	20 days	March 16, 2012	March 13, 2012	23 days
Posted Notice	20 days	March 16, 2012	March 15, 2012	21 days
Mailed Notice	20 days	March 16, 2012	March 14, 2012	22 days

PUBLIC COMMENT

As of March 29, 2012, the Department has received no public comment on the project.

ISSUES AND OTHER CONSIDERATIONS

- The subject building is a known historic resource. The proposed project has been reviewed by Historic Preservation staff and found to be categorically exempt from further environmental review. The proposed changes to the subject building do not result in a significant effect on the resource.
- The project site is a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines. The sponsor has investigated ten alternate sites in the vicinity and none of those sites met the sponsor’s network objectives. There were no sites higher than a Preference 6 to evaluate within the search area.
- A Five Year Plan with approximate longitudinal and latitudinal coordinates of proposed locations, including the subject site, was submitted.
- The Project will provide wireless coverage to an area that previously received poor coverage.
- The proposal is subject to the review of coverage data by a third party, independent evaluator.

REQUIRED COMMISSION ACTION

In order for the project to proceed, the Commission may grant the Conditional Use authorization pursuant to Planning Code Sections 209.6(b) and 303 to allow the installation of wireless facilities.

BASIS FOR RECOMMENDATION

The Department believes this project is necessary and/or desirable under Section 303 of the Planning Code for the following reasons:

- The project complies with the applicable requirements of the Planning Code.
- The project is consistent with the objectives and policies of the General Plan.
- The Project is consistent with the 1996 WTS Facilities Siting Guidelines, Planning Commission Resolution No. 14182.
- The project will improve coverage for an area where there is currently poor cell phone coverage.

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

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



SAN FRANCISCO PLANNING DEPARTMENT

Subject to: (Select only if applicable)

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

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Planning Commission Motion

HEARING DATE: APRIL 5, 2012

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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 ROOF-MOUNTED PANEL ANTENNAS AND RELATED EQUIPMENT ON THE ROOF OF AN EXISTING FOUR-STORY MIXED USE BUILDING AS PART OF AT&T MOBILITY'S WIRELESS TELECOMMUNICATIONS NETWORK WITHIN THE POLK STREET NEIGHBORHOOD COMMERCIAL ZONING DISTRICT AND A 65-A HEIGHT AND BULK DISTRICT.

PREAMBLE

On April 27, 2011, AT&T Mobility (hereinafter "Project Sponsor"), made an application (hereinafter "application"), for Conditional Use Authorization on the property at 2242 Polk Street, Lot 015 in Assessor's Block 0549, (hereinafter "project site") to install a wireless telecommunications facility consisting of nine roof-mounted panel antennas and related equipment on the roof of an existing four-story mixed use building as part of AT&T Mobility's wireless telecommunications network within the Polk Street Neighborhood Commercial Zoning District and a 65-A Height and Bulk District.

The project is exempt from the California Environmental Quality Act ("CEQA") as a Class 3 categorical exemption. Additionally this project was determined to have no adverse effect on historic properties. 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 April 5, 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. 2011.0410C, 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 Green Streets; Lot 015, Assessor's Block 0549, lot 015 and within the Polk Street Neighborhood Commercial Zoning District and 65-A Height and Bulk District. The site is occupied by a four-story masonry mixed-use building constructed circa 1913 that is classified as a historic resource. The subject building contains ground floor commercial uses and approximately 42 residential apartment units on the upper floors.
3. **Surrounding Properties and Neighborhood.** The project site is located in an area of multi-story, mixed-use buildings featuring residential uses above ground floor commercial. A number of residential hotels are in the area along with automobile repair facilities. Other commercial establishments are neighborhood-serving uses. Buildings range from one to four stories in height.
4. **Project Description.** The proposal is to install up to nine roof-mounted panel antennas and associated equipment cabinets on the roof as part of a wireless transmission network operated by AT&T-Mobility. The site is a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines. Each antenna measures 4'-3" high by 1' wide by 7" thick. The antennas would be mounted on the existing roof approximately 60 feet above grade. The proposed antennas would be placed within new radio frequency transparent shrouds designed to resemble rooftop vent pipes. The top of the antennas would be approximately 70 feet above grade. Equipment cabinets would also be placed on the roof.
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.¹

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

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

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 April 5, 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 723.83 and 303 to install a wireless telecommunications facility consisting of nine roof-mounted panel antennas and related equipment on the roof of an existing four-story mixed use building as part of AT&T-Mobility's wireless telecommunications network.

6. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of buildings for the siting of wireless telecommunications facilities. Under the *Guidelines*, the Project is a Location Preference Number 6, as it is a Preferred Location – Limited Preference Site.
7. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network would 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.

¹ PC Resolution 16539, passed March 13, 2003.

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 observed no other antennas within 100 feet of this site. AT&T-Mobility proposes to install nine new antennas. The antennas would be mounted at a height of 60 feet above the ground. The estimated ambient RF field from the proposed AT&T-Mobility transmitters at ground level is calculated to be 0.023mW/sq. cm., which is 3.2% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 58 feet which includes areas of the roof. Barricades should be installed to prevent access to these areas. Warning signs must be posted at the antennas and roof access points in English, Spanish, and Chinese. Workers should not have access to the area located between the antennas and the edge of the rooftop while they are in operation. This area should be marked with red striping on the roof.
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 from 7:00 P.M. to 8:00 P.M. on Wednesday, May 18, 2011 at the Helen Willis Park Garden Room, located at 1965 Larkin Street. Fourteen members of the public attended the meeting.
12. **Five-year plan:** Per the *Guidelines*, the project sponsor submitted its latest five-year plan, as required, in April 2011.
13. **Public Comment.** As of March 29, 2012, the Department has received no public comment on the project.
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 303 and 723.83, a Conditional Use authorization is required for the installation of other 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 2242 Polk Street would be generally desirable and compatible with the surrounding neighborhood because the project would not conflict with the existing uses of the property and would 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 2242 Polk Street is necessary in order to achieve sufficient street and in-building mobile phone coverage. Computer modeling conducted by the AT&T Mobility Radio Frequency Engineering Team provides 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 serve the vicinity bounded by Union Street, Larkin Street, Vallejo Street, and Van Ness Avenue, as indicated in the coverage maps. This facility would close the existing service gap for in-transit service along Polk and Green Streets, as well as indoor service in the commercial and residential buildings in the vicinity.

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 would 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 would 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 existing roof and screened within radio frequency transparent shrouds designed to resemble rooftop vent pipes. The proposal, located over

60 feet above grade, is small in size and is minimally visible at the pedestrian level. The project would not affect the existing landscaping.

- 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 purposes of the Polk Street Neighborhood Commercial District in that the intended use is located in an existing building approximately 60 feet tall and set back from the street frontage.

- 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 sustainably supported by the City’s public infrastructure systems.

The project would improve AT&T Mobility’s coverage in residential and commercial 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 within new radio frequency transparent shrouds designed to resemble rooftop vent pipes and equipment cabinets on the roof setback from the street frontage. 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 would 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 would ensure that residents and visitors have adequate public service in the form of AT&T-Mobility 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 would enhance personal communication services.

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

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

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

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

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

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

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

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

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

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

- G. That landmarks and historic buildings be preserved.

The existing building was constructed circa 1913 and is a historic resource. The project would not alter the façade of the building, would not cause the removal or alteration of any significant architectural features, and has been determined to be categorically exempt as class 3.

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

The Project would 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 roof-mounted panel antennas and associated equipment cabinets the roof on the building at 2242 Polk Street as part of a wireless transmission network operated by AT&T-Mobility on a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within Polk Street Neighborhood Commercial Zoning District and a 65-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. XXXX. 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 **April 5, 2012**.

Linda Avery
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: April 5, 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 roof-mounted panel antennas with related equipment located on the roof, a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, as part of AT&T-Mobility's wireless telecommunications network within the Polk Street Neighborhood Commercial Zoning District and a 65-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 April 5, 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 415-558-6613, 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 415-558-6613, www.sf-planning.org.

MONITORING - AFTER ENTITLEMENT

5. **Enforcement.** Violation of any of the Planning Department conditions of approval contained in this Motion or of any other provisions of Planning Code applicable to this Project shall be subject to the enforcement procedures and administrative penalties set forth under Planning Code Section 176 or Section 176.1. The Planning Department may also refer the violation complaints to other city departments and agencies for appropriate enforcement action under their jurisdiction.

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

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

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

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

Administrator shall refer such complaints to the Commission, after which it may hold a public hearing on the matter to consider revocation of this authorization.

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

8. Implementation Costs - WTS.

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

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

9. Implementation and Monitoring - WTS. In the event that the Project implementation report includes a finding that RF emissions for the site exceed FCC Standards in any uncontrolled location, the Zoning Administrator may require the Applicant to immediately cease and desist operation of the facility until such time that the violation is corrected to the satisfaction of the Zoning Administrator.

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

10. Project Implementation Report - WTS. The Project Sponsor shall prepare and submit to the Zoning Administrator a Project Implementation Report. The Project Implementation Report shall:

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

- i. Notification and Testing. The Project Implementation Report shall set forth the testing and measurements undertaken pursuant to Conditions 2 and 4.
- ii. Approval. The Zoning Administrator shall request that the Certification of Final Completion for operation of the facility not be issued by the Department of Building Inspection until such time that the Project Implementation Report is approved by the Department for compliance with these conditions.

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

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

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

12. **Installation - WTS.** Within 10 days of the installation and operation of the facilities, the Project Sponsor shall confirm in writing to the Zoning Administrator that the facilities are being maintained and operated in compliance with applicable Building, Electrical and other Code requirements, as well as applicable FCC emissions standards.

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

13. **Periodic Safety Monitoring - WTS.** The Project Sponsor shall submit to the Zoning Administrator 10 days after installation of the facilities, and every two years thereafter, a certification attested to by a licensed engineer expert in the field of EMR/RF emissions, that the facilities are and have been operated within the then current applicable FCC standards for RF/EMF emissions.

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

OPERATION

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

shall be made aware of such change. The community liaison shall report to the Zoning Administrator what issues, if any, are of concern to the community and what issues have not been resolved by the Project Sponsor.

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

15. **Out of Service – WTS.** The Project Sponsor or Property Owner shall remove 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.

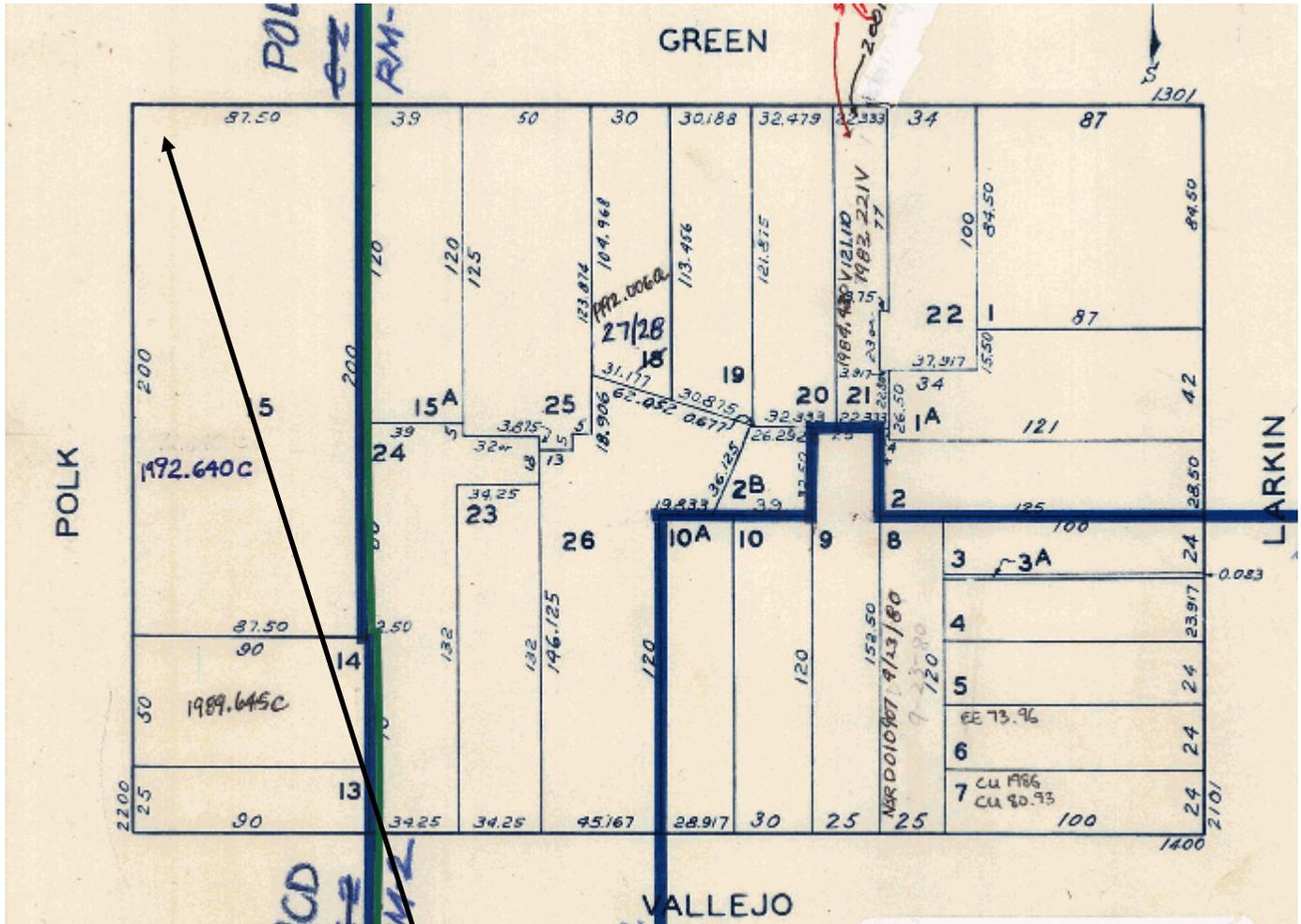
For information about compliance, contact the Department of Technology, 415-581-4000, <http://sfgov3.org/index.aspx?page=1421>

20. **Coverage and Capacity Verification.** Use is authorized as long as an independent evaluator, selected by the Planning Department, determines that the information and conclusions submitted by the wireless service provider in support of its request for conditional use are accurate. The wireless service provider shall fully cooperate with the evaluator and shall provide any and all data requested

by the evaluator to allow the evaluator to verify that the maps, data, and conclusions about service coverage and capacity submitted are accurate. The wireless service provider shall bear all costs of said evaluation. The independent evaluator, upon request by the wireless service provider shall keep the submitted data confidential and shall sign a confidentiality agreement acceptable to the wireless service provider. The independent evaluator shall be a professional engineer licensed by the State of California.”

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

Parcel Map

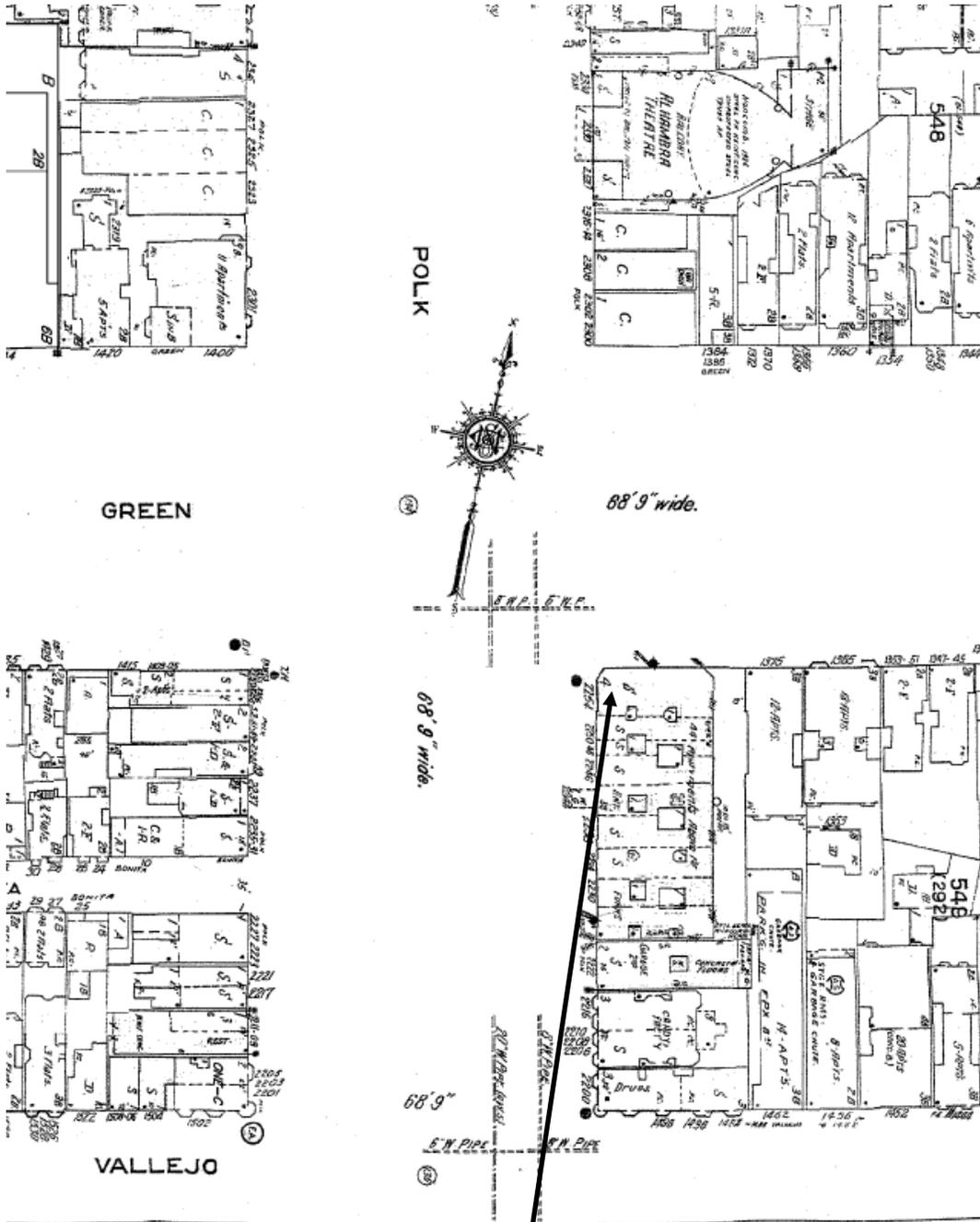


SUBJECT PROPERTY



Conditional Use Authorization
 Case Number 2011.0410C
 AT&T Mobility WTS
 2242 Polk Street

Sanborn Map*



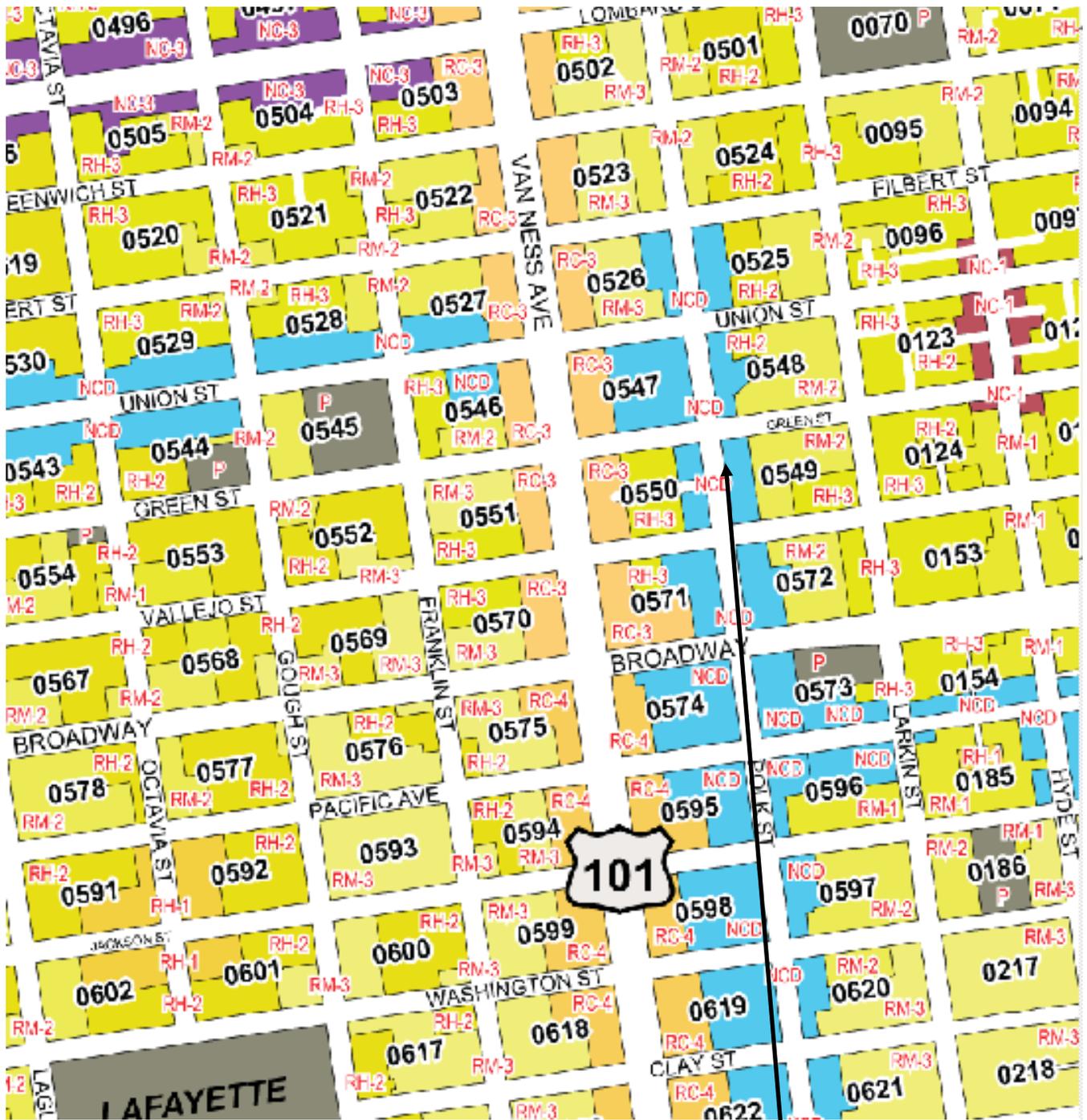
*The Sanborn Maps in San Francisco have not been updated since 1998, and this map may not accurately reflect existing conditions.

SUBJECT PROPERTY



Conditional Use Authorization
 Case Number 2011.0410C
 AT&T Mobility WTS
 2242 Polk Street

Zoning Map



SUBJECT PROPERTY



Conditional Use Authorization
Case Number 2011.0410C
AT&T Mobility WTS
2242 Polk Street

Aerial Photo

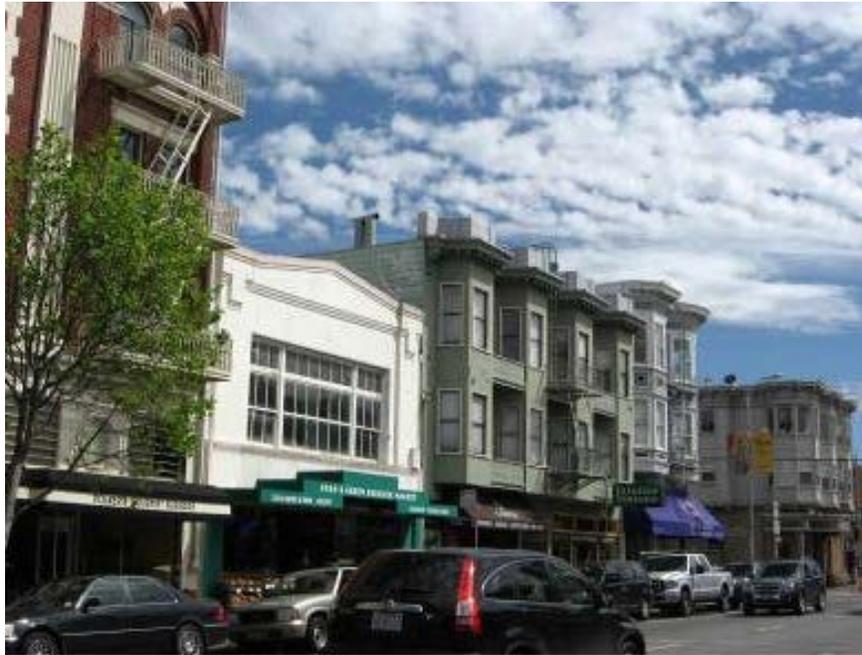


SUBJECT PROPERTY



Conditional Use Authorization
Case Number 2011.0410C
AT&T Mobility WTS
2242 Polk Street

Context Photos



View of blockface looking south on Polk Street



View of opposite blockface on Polk Street

Conditional Use Authorization
Case Number 2011.0410C
AT&T Mobility WTS
2242 Polk Street

Context Photos



View of blockface looking east on Green Street



View of opposite blockface on Green Street

Conditional Use Authorization
Case Number 2011.0410C
AT&T Mobility WTS
2242 Polk Street

Site Photo



Conditional Use Authorization
Case Number 2011.0410C
AT&T Mobility WTS
2242 Polk Street

DRAWING INDEX

REV. NO.	DWG. NO.	DESCRIPTION
⊕	Z-1	COVER SHEET
2	LS-1	TOPOGRAPHIC SURVEY
⊕	Z-2	SITE PLAN
⊕	Z-3	ROOF PLAN
⊕	Z-4	EQUIPMENT LAYOUT
⊕	Z-5	WEST ELEVATION
⊕	Z-6	NORTH ELEVATION
⊕	Z-7	EAST ELEVATION
⊕	Z-8	SOUTH ELEVATION
7	Z-9	GSM EQUIPMENT CABINET DETAILS
7	Z-10	LTE AND UMTS EQUIPMENT CABINET DETAILS
7	Z-11	POWER AND BATTERY EQUIPMENT CABINET DETAILS
7	Z-12	RF DETAILS

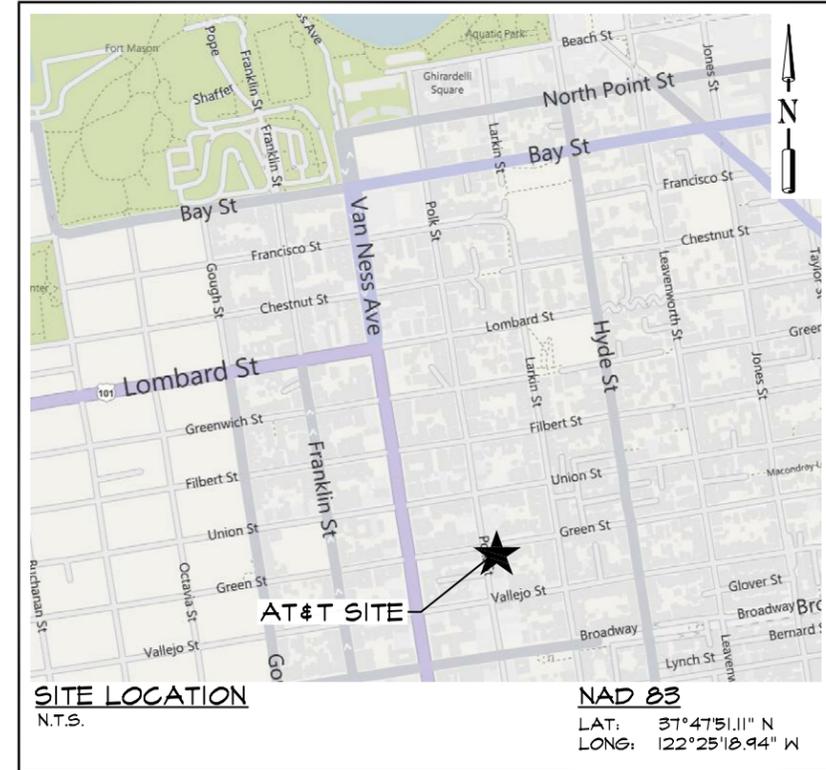


2242 POLK STREET

CC5209C

DIRECTIONS FROM AT&T'S SAN FRANCISCO OFFICE:

- HEAD EAST ON BUSH ST TOWARDS CLAUDE LN
- TAKE THE 1ST LEFT ONTO KEARNY ST 0.5 MI
- TURN LEFT AT BROADWAY 0.9 MI
- TURN RIGHT AT POLK ST 0.1 MI
- ARRIVE AT 2242 POLK ST, SAN FRANCISCO, CA 94109



PROJECT NO:	1059-025
DRAWN BY:	A.G.
CHECKED BY:	R.M.
CAD FILE:	1059-025Z1

PROJECT ADDRESS:

2242 POLK ST
SAN FRANCISCO, CA 94109

APN:

0549-015

DESCRIPTION OF WORK:

THE PROJECT CONSISTS OF THE INSTALLATION OF OUTDOOR CABINETS AND (9) PANEL ANTENNAS SCREENED ON THE ROOFTOP OF AN EXISTING BUILDING

APPLICANT:

AT&T
430 BUSH ST
SAN FRANCISCO, CA 94108

PROPERTY OWNER:

MICHAEL DOYLE
PHONE: (650) 814-3999

CODE INFORMATION:

ZONING CLASSIFICATION:	POLK STREET NCD
PROPOSED USE:	TELECOMMUNICATION FACILITY
BUILDING CODE:	2010 SAN FRANCISCO BUILDING CODE
ELECTRICAL CODE:	2010 SAN FRANCISCO BUILDING CODE
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	T.B.D.
PROJECT AREA:	T.B.D.
STRUCTURE HEIGHT:	58'-6"± A.G.L. (T.O. PENTHOUSE) 62'-6"± A.G.L. (T.O. ANTENNA SCREEN)

PROJECT ENGINEER:

TRK ENGINEERING LTD.
#201 - 17688 86TH AVE
SURREY, BC V3S 7X1, CANADA
CONTACT: RANDY MARKS
TEL: (604) 574-6432
FAX: (604) 574-6431
TOLL FREE: 1-877-345-4045
EMAIL: rmarks@trkeng.com
WEB: www.trkeng.com

SURVEYOR:

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

CONSTRUCTION MANAGER:

ERICSSON
CONTACT: JASON FLUHARTY
PHONE: (916) 300-5519

SITE DEVELOPMENT:

TOWN CONSULTING
100 CLEMENT ST, 3RD FLOOR
SAN FRANCISCO, CA 94118
CONTACT: JOHN MERRITT
PHONE: (805) 886-0733

ZONING CONTACT:

TOWN CONSULTING
100 CLEMENT ST, 3RD FLOOR
SAN FRANCISCO, CA 94118
CONTACT: TONY KIM
PHONE: (415) 246-8855

JURISDICTION:

CITY AND COUNTY OF SAN FRANCISCO

ACCESSIBILITY:

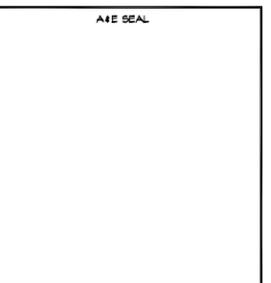
INSTALLATION IS UNMANNED AND FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR OR MAINTENANCE PURPOSES. INSTALLATION IS NOT FOR HUMAN HABITATION / PUBLIC ACCESS. A.D.A. ACCESSIBILITY IS NOT REQUIRED (2010 SFBC, SECTION 110TB).

APPROVAL LIST

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

SUBMITTALS	
8 MAR 07/12	REVISED PER ERICSSON
7 FEB 07/12	REVISED PER ERICSSON
6 OCT 06/11	REVISED PER ERICSSON
5 SEP 21/11	REVISED PER ERICSSON
4 SEP 09/11	REVISED PER ERICSSON
3 SEP 6/11	REVISED PER ERICSSON
2 MAY 12/11	REVISED PER ERICSSON
1 MAY 09/11	RE-ISSUED FOR 100% ZD'S
0 APR 20/11	100% ZD'S
B APR 12/11	REVISED PER AT&T
A JAN 28/11	ISSUED FOR REVIEW

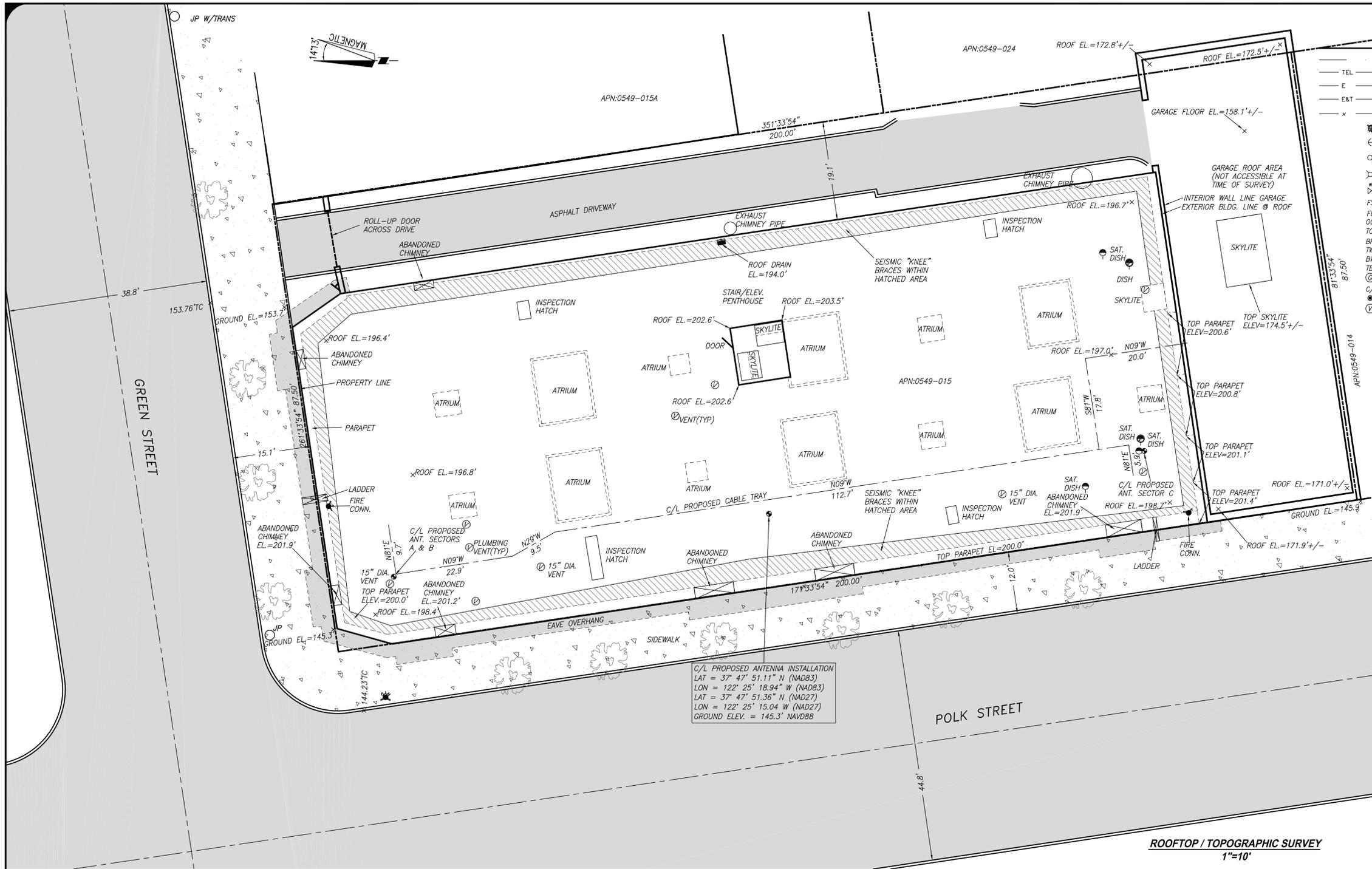
THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT NAMED IS STRICTLY PROHIBITED.



SITE
2242 POLK STREET
CC5209C
2242 POLK ST
SAN FRANCISCO, CA
94109

SHEET TITLE
COVER SHEET

SHEET NUMBER
Z-1



LEGEND

—	PROPERTY LINE
—	FLOW LINE
—	TELEPHONE LINE
—	ELECTRIC LINE
—	ELECTRIC AND TELEPHONE LINES
—	FENCE
—	FIRE HYDRANT
—	GUY WIRE
—	STREET SIGN
—	STREET LIGHT
—	WATER VALVE
—	FINISH SURFACE
—	FLOW LINE
—	ORIGINAL GROUND
—	TOP OF CURB
—	BOTTOM FACE OF CURB
—	TOP OF WALL
—	BOTTOM OF WALL
—	TOP BACK OF WALK
—	GROUND WELL
—	CENTERLINE
—	BOLLARD
—	VENT

ISSUE STATUS

Δ	DATE	DESCRIPTION	REV.
0	4-20-11	FINAL	TS
1	5-8-11	REVISE 1-A	TS

TIMOTHY SCHAD, L.S.
 10899 ROUND VALLEY RD.
 GRASS VALLEY, CA. 95949
 PHONE: (530) 871-7477
 FAX: (530) 871-7877



CC-5209C
"COLE HARDWARE"
 2242 POLK ST.
 SAN FRANCISCO, CA 94122
 SAN FRANCISCO COUNTY
 APN: 0549-015

SURVEY NOTES

1. ALL LATITUDES AND LONGITUDES ARE NAVD 83, ALL ELEVATIONS ARE NAVD 88 (UNLESS NOTED OTHERWISE).
2. ALL BOUNDARY INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM RECORD DATA. SUFFICIENT MONUMENTATION WAS NOT RECOVERED IN THE FIELD TO ADEQUATELY LOCATE THE PARCEL BOUNDARY. WITH ADDITIONAL FIELD SURVEYING AND DOCUMENT RESEARCH THE BOUNDARY SHOWN HEREON MAY CHANGE.
3. DATE OF FIELD SURVEY JANUARY 12, 2011.
4. PRELIMINARY TITLE REPORT NO. 363824, PREPARED BY STEWART TITLE CO. HAS BEEN PROVIDED, ANY EASEMENTS OR OTHER TITLE RELATED ISSUES NOT INCLUDED IN SAID REPORT WHICH ARE PART OF THE TITLE PROCESS MAY OR MAY NOT HAVE BEEN ADDRESSED. TIMOTHY F. SCHAD, L.S. ACCEPTS NO RESPONSIBILITY OR LIABILITY FOR BOUNDARY OR TITLE ITEMS ADDRESSED HEREON. THIS IS NOT A BOUNDARY SURVEY.

LEGAL DESCRIPTION

PARENT PARCEL
 THE LAND REFERRED TO HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF SAN FRANCISCO, CITY OF SAN FRANCISCO, AND DESCRIBED AS FOLLOWS:
 BEGINNING AT THE POINT OF INTERSECTION OF THE SOUTHERLY LINE OF GREEN STREET WITH THE EASTERLY LINE OF POLK STREET; RUNNING THENCE EASTERLY ALONG SAID LINE OF GREEN STREET 87 FEET AND 6 INCHES; THENCE AT A RIGHT ANGLE SOUTHERLY 200 FEET; THENCE AT A RIGHT ANGLE WESTERLY 87 FEET AND 6 INCHES; TO THE EASTERLY LINE OF POLK STREET; THENCE AT A RIGHT ANGLE NORTHERLY ALONG SAID LINE OF POLK STREET 200 FEET TO THE POINT OF BEGINNING.
 BEING A PORTION OF WESTERN ADDITION BLOCK NO. 23.
 APN: 0549-015

LEASE AREA
 PROPOSED LEASE IS WITHIN EXISTING BUILDING TOGETHER WITH THE RIGHT OF ACCESS TO THE PROPOSED ANTENNA LOCATIONS, AS SHOWN HEREON.

1-A ACCURACY CERTIFICATION

DATE OF SURVEY: JANUARY 12, 2011
 SITE NUMBER / NAME: CC-5209C / "COLE HARDWARE"
 TYPE: PROPOSED ROOFTOP INSTALLATION
 SITE ADDRESS: 2242 POLK ST., SAN FRANCISCO, CA. 94122

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

LAT = 37° 47' 51.11" N (NAD83) LAT = 37° 47' 51.36" N (NAD27)
 LON = 122° 25' 18.94" W (NAD83) LON = 122° 25' 15.04" W (NAD27)

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

1-A ACCURACY CERTIFICATION (CONT'D)

GROUND ELEVATION (@ NORTHWEST BLDG. COR.): 145.3 FT. NAVD88 (0.0' A.G.L.)
 TOP OF STRUCTURE (TOP PARAPET): 200.0 FT. NAVD88 (54.7' A.G.L.)
 OVERALL HT. / STRUCTURE: 203.5 FT. NAVD88 (58.2' A.G.L.) (TOP PENTHOUSE ROOF)

TOP PROPOSED HIGHEST ANTENNA: 207.3 FT. NAVD88 (62.0' A.G.L.)
 TOP PROPOSED ANT. SCREEN: 207.8 FT. NAVD88 (62.5' A.G.L.)

THE ACCURACY STANDARDS FOR THIS CERTIFICATION ARE AS FOLLOWS:
 GEODETIC COORDINATES: +/- FIFTEEN (15) FEET (NAD-83)
 ELEVATIONS: +/- THREE (3) FEET (NAVD-88)

ROOFTOP / TOPOGRAPHIC SURVEY
 1"=10'

VICINITY MAP
 NO SCALE



SHEET TITLE:
SITE SURVEY

NOTES:

1. SITE PLAN INFORMATION WAS OBTAINED FROM A SURVEY PREPARED BY TIMOTHY SCHAD, L.S., DATED JANUARY 12, 2011.

LEGAL DESCRIPTION:

PENDING RECEIPT OF PRELIMINARY TITLE REPORT



PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-025Z2

SUBMITTALS

8	MAR 07/12	REVISED PER ERICSSON
7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% ZD'S
0	APR 20/11	100% ZD'S
B	APR 12/11	REVISED PER AT&T
A	JAN 28/11	ISSUED FOR REVIEW

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT NAMED IS STRICTLY PROHIBITED.

A&E SEAL

SITE

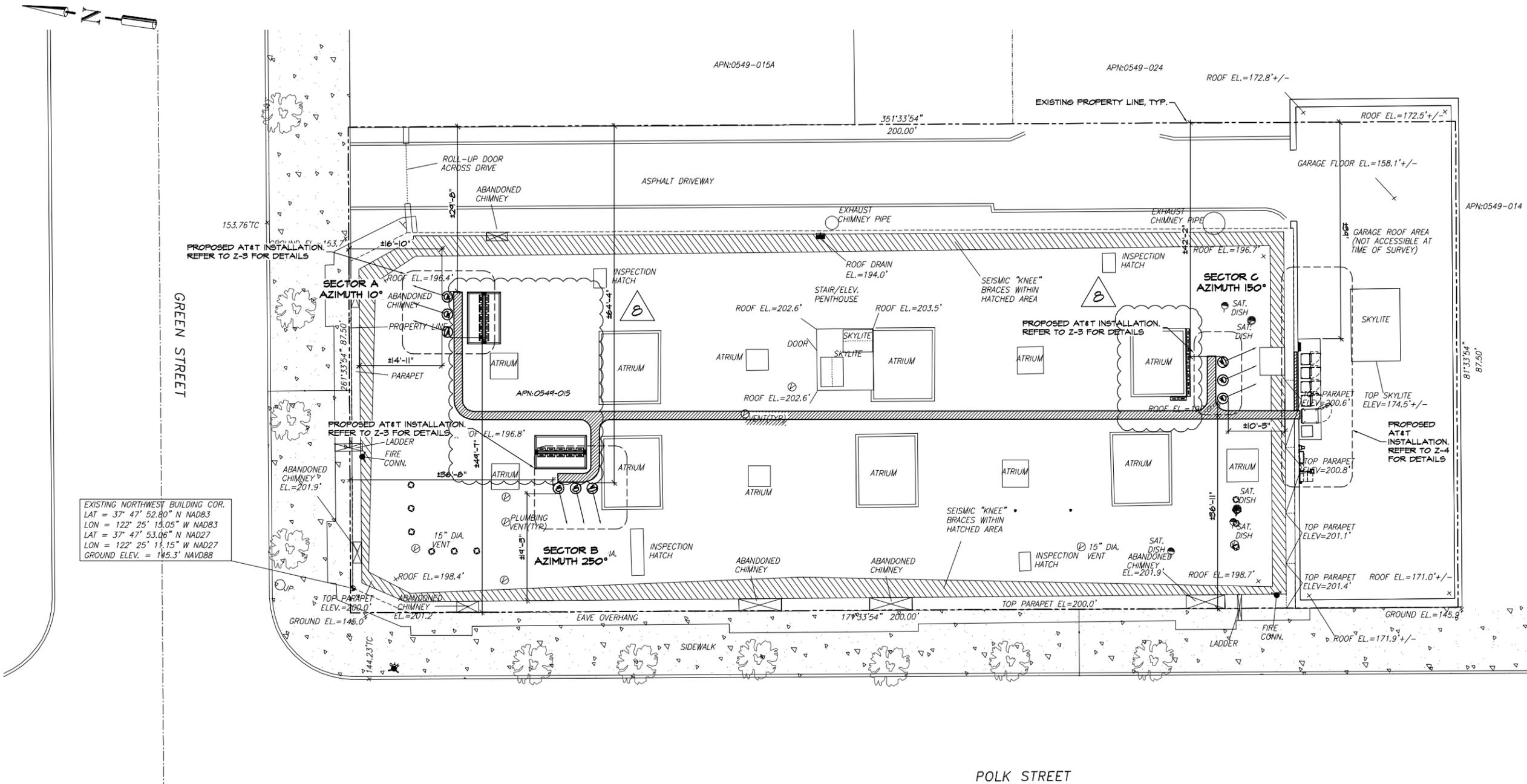
2242 POLK STREET
 CC5209C
 2242 POLK ST
 SAN FRANCISCO, CA
 94109

SHEET TITLE

SITE PLAN

SHEET NUMBER

Z-2



EXISTING NORTHWEST BUILDING COR.
 LAT = 37° 47' 52.80" N NAD83
 LON = 122° 25' 15.05" W NAD83
 LAT = 37° 47' 53.06" N NAD27
 LON = 122° 25' 11.15" W NAD27
 GROUND ELEV. = 145.3' NAVD88



DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED

NOTES:

1. ROOF PLAN INFORMATION WAS OBTAINED FROM SITE MEASUREMENTS TAKEN BY TRK ENGINEERING LTD. DATED JANUARY 11, 2011.
2. RF WARNING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
3. CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ROOF MEMBRANE DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED TO AS NEW CONDITION IN ACCORDANCE WITH STANDARD ROOFING PRACTICES.
5. CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
6. PAINT FRP SHROUD TO MATCH EXISTING BUILDING EXTERIOR.



PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-02523

SUBMITTALS

8	MAR 07/12	REVISED PER ERICSSON
7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% 2D'S
0	APR 20/11	100% 2D'S
B	APR 12/11	REVISED PER AT&T
A	JAN 25/11	ISSUED FOR REVIEW

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT NAMED IS STRICTLY PROHIBITED.

A&E SEAL

SITE

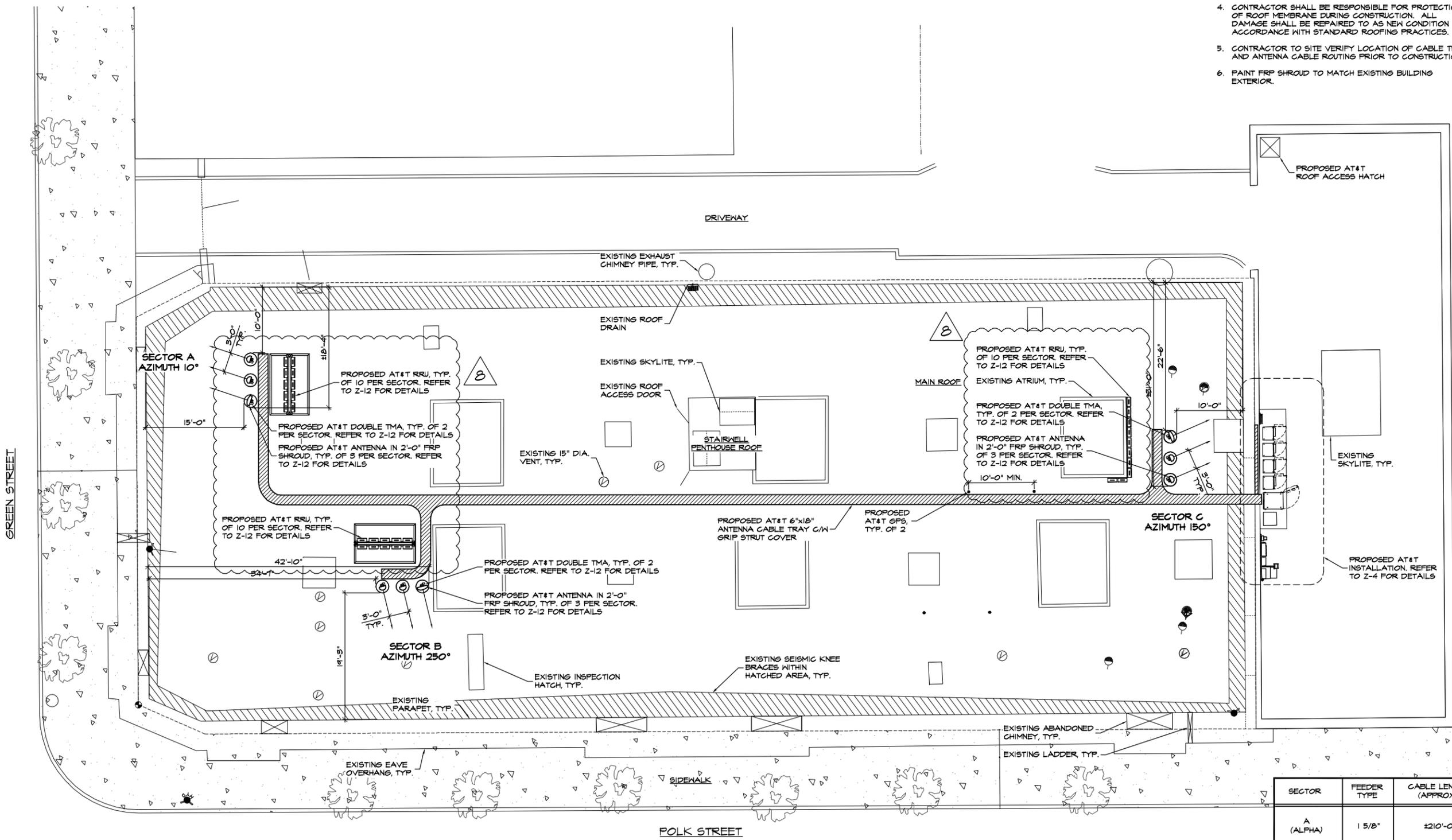
2242 POLK STREET
 CC5209C
 2242 POLK ST
 SAN FRANCISCO, CA
 94109

SHEET TITLE

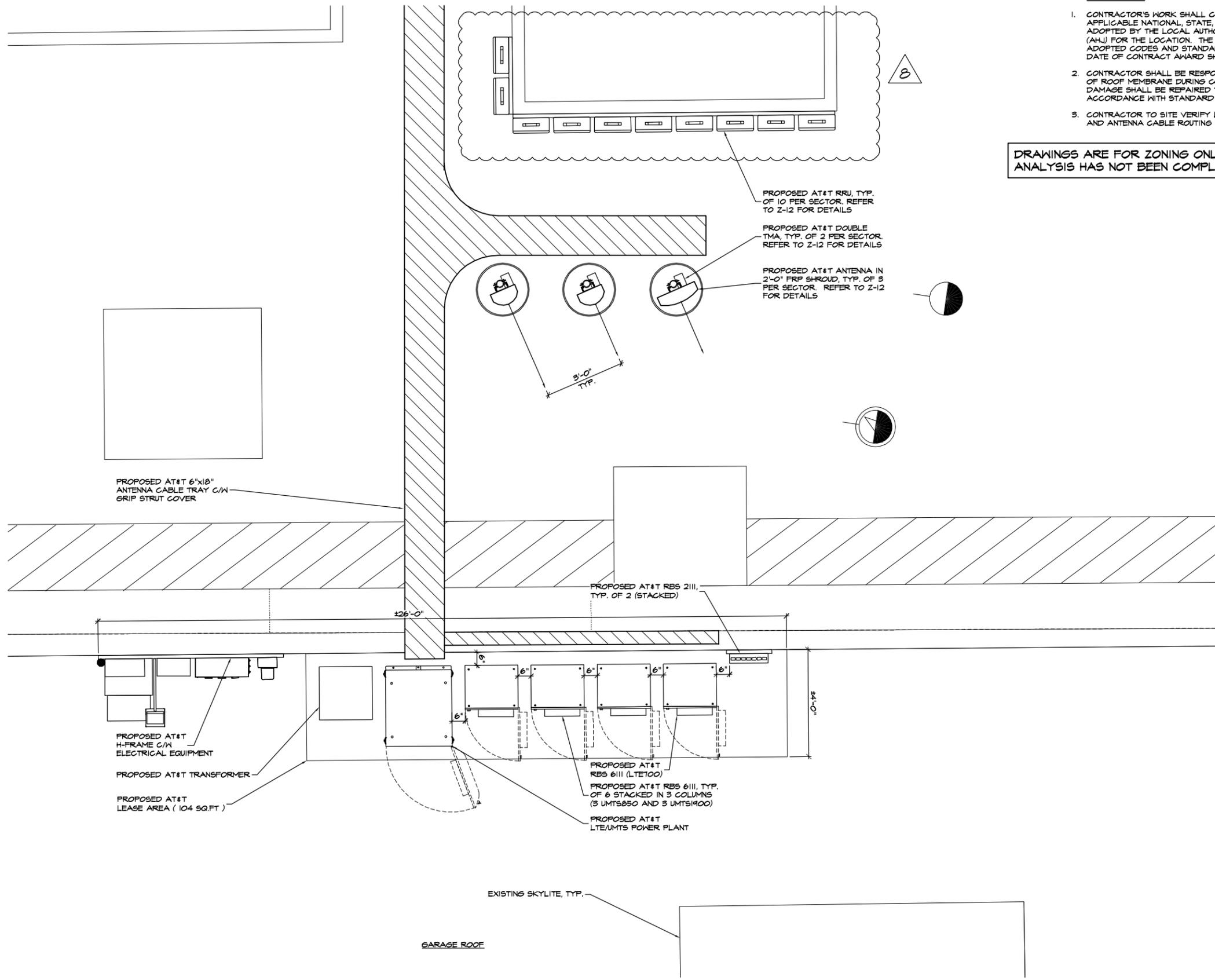
ROOF PLAN

SHEET NUMBER

Z-3



SECTOR	FEEDER TYPE	CABLE LENGTH (APPROX.)
A (ALPHA)	1 5/8"	±210'-0"
B (BETA)	1 5/8"	±180'-0"
C (GAMMA)	7/8"	±60'-0"



NOTES:

1. CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ROOF MEMBRANE DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED TO AS NEW CONDITION IN ACCORDANCE WITH STANDARD ROOFING PRACTICES.
3. CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.

DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED



PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-025Z4

SUBMITTALS

8	MAR 07/12	REVISED PER ERICSSON
7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% ZD'S
0	APR 20/11	100% ZD'S
B	APR 12/11	REVISED PER AT&T
A	JAN 28/11	ISSUED FOR REVIEW

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT NAMED IS STRICTLY PROHIBITED.

A&E SEAL

SITE

2242 POLK STREET
 CC5209C
 2242 POLK ST
 SAN FRANCISCO, CA
 94109

SHEET TITLE

EQUIPMENT LAYOUT

SHEET NUMBER

Z-4



NOTES:

- ELEVATION IS DIAGRAMMATIC ONLY.
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- CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
- PAINT FRP SHROUD TO MATCH EXISTING BUILDING EXTERIOR.

DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED



PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-02525

SUBMITTALS

8	MAR 07/12	REVISED PER ERICSSON
7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% 2D's
0	APR 20/11	100% 2D's
B	APR 12/11	REVISED PER AT&T
A	JAN 28/11	ISSUED FOR REVIEW

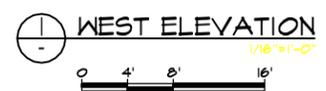
THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT NAMED IS STRICTLY PROHIBITED.

A/E SEAL

SITE
2242 POLK STREET
005209C
2242 POLK ST
SAN FRANCISCO, CA
94109

SHEET TITLE
WEST ELEVATION

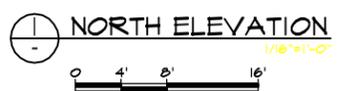
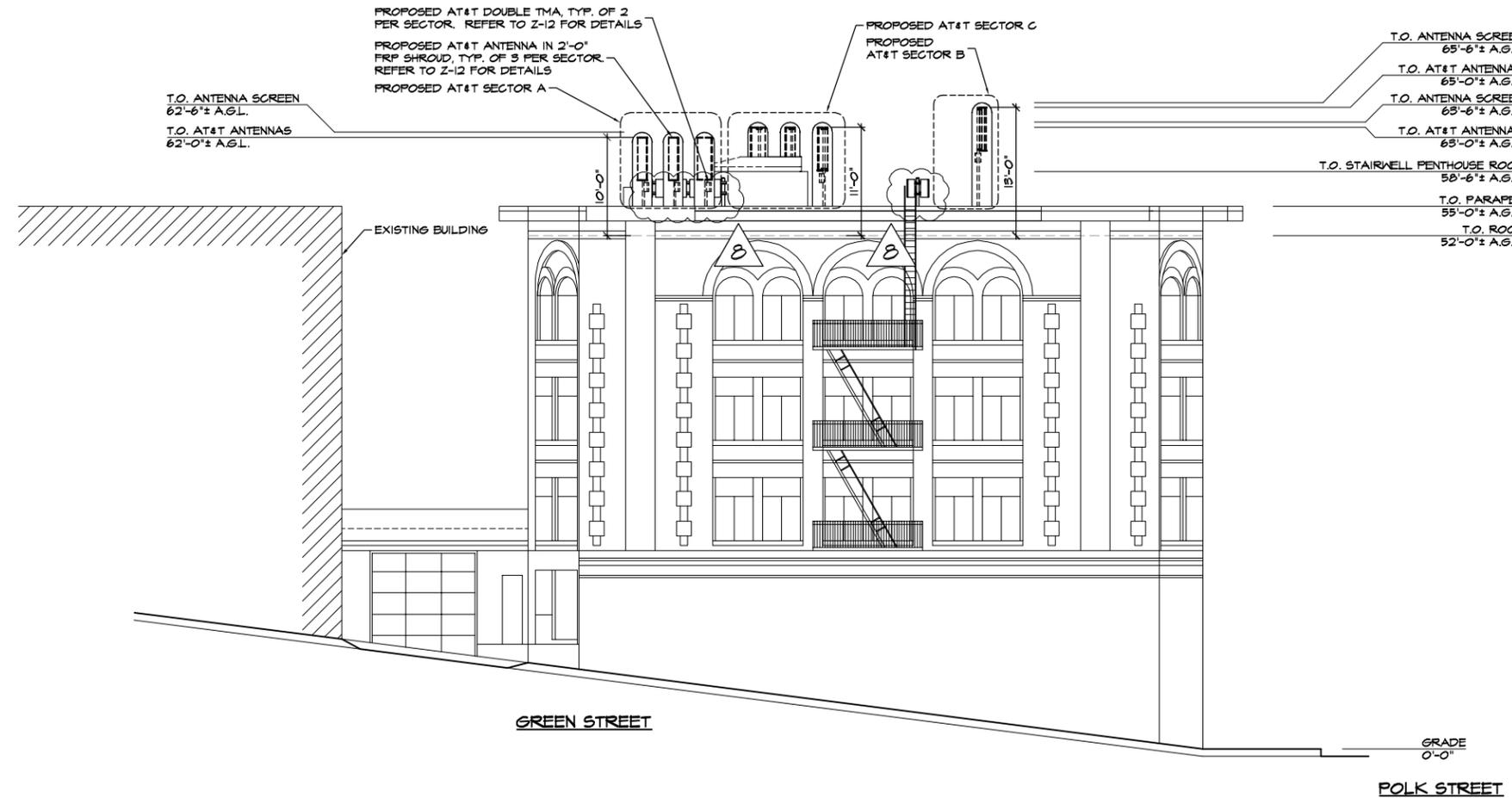
SHEET NUMBER
Z-5



NOTES:

1. ELEVATION IS DIAGRAMMATIC ONLY.
2. RF WARNING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
3. CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
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DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED



PROJECT NO: 1054-025
 DRAWN BY: A.G.
 CHECKED BY: R.M.
 CAD FILE: 1054-025Z6

SUBMITTALS		
8	MAR 07/12	REVISED PER ERICSSON
7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% 2D's
0	APR 20/11	100% 2D's
B	APR 12/11	REVISED PER AT&T
A	JAN 28/11	ISSUED FOR REVIEW

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A/E SEAL

SITE
 2242 POLK STREET
 CC5209C
 2242 POLK ST
 SAN FRANCISCO, CA
 94109

SHEET TITLE
 NORTH ELEVATION

SHEET NUMBER
Z-6

NOTES:

- ELEVATION IS DIAGRAMMATIC ONLY.
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DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED



PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-025Z1

SUBMITTALS

8	MAR 07/12	REVISED PER ERICSSON
7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% 2D's
0	APR 20/11	100% 2D's
B	APR 12/11	REVISED PER AT&T

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A&E SEAL

SITE

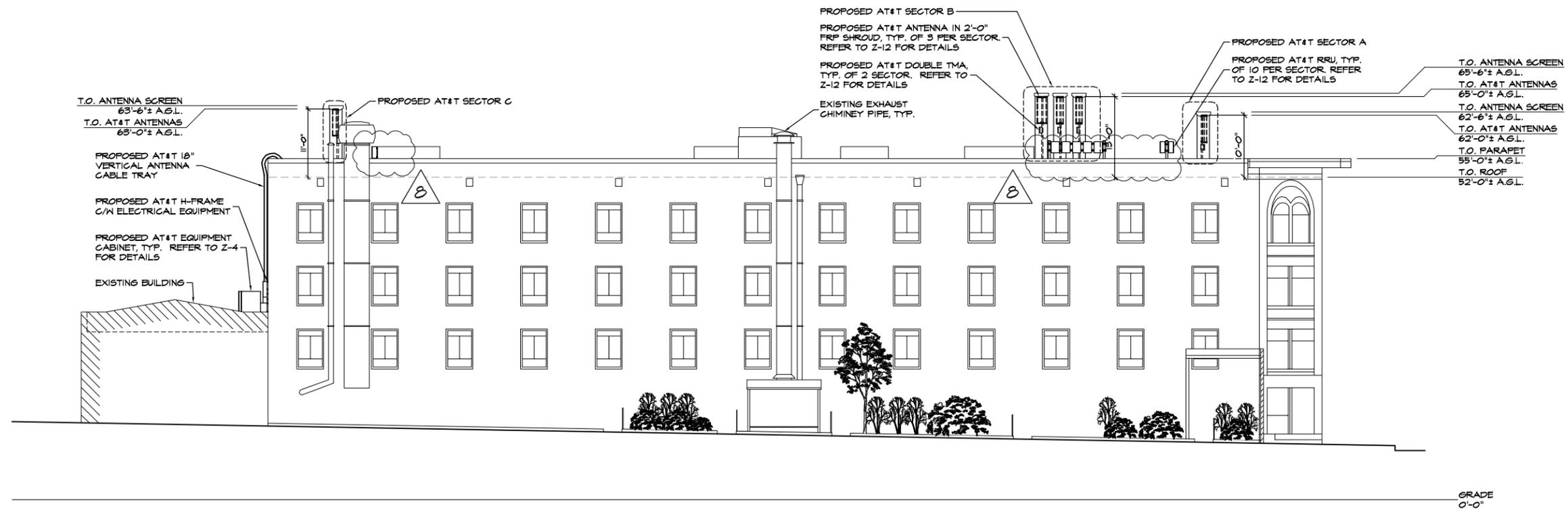
2242 POLK STREET
 CC5209C
 2242 POLK ST
 SAN FRANCISCO, CA
 94109

SHEET TITLE

EAST ELEVATION

SHEET NUMBER

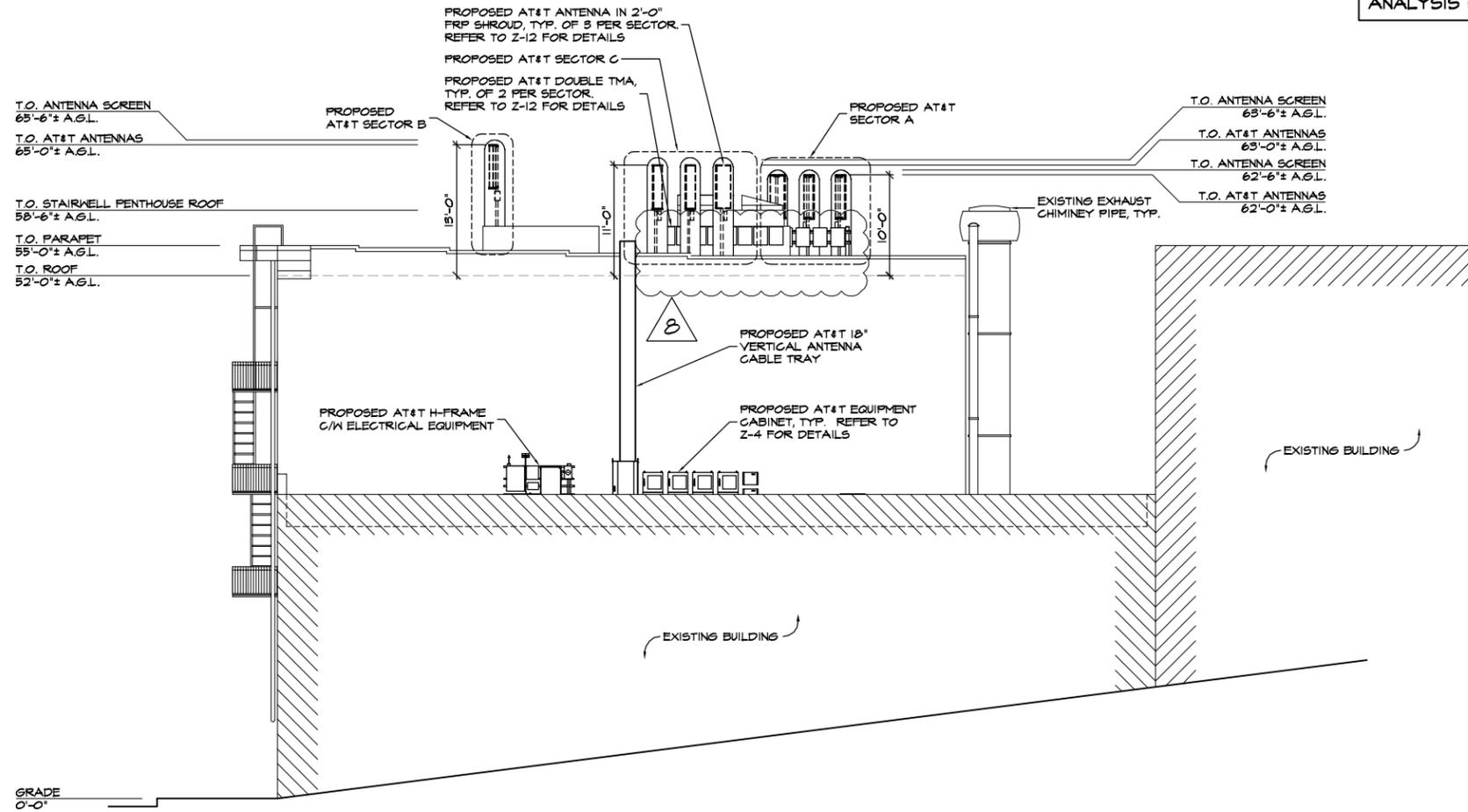
Z-7



NOTES:

1. ELEVATION IS DIAGRAMMATIC ONLY.
2. RF WARNING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
3. CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
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6. PAINT FRP SHROUD TO MATCH EXISTING BUILDING EXTERIOR.

DRAWINGS ARE FOR ZONING ONLY. STRUCTURAL ANALYSIS HAS NOT BEEN COMPLETED



SOUTH ELEVATION
 1/16"=1'-0"



PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-025Z8

SUBMITTALS

6	MAR 07/12	REVISED PER ERICSSON
7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% 2D's
0	APR 20/11	100% 2D's
B	APR 12/11	REVISED PER AT&T

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A/E SEAL

SITE

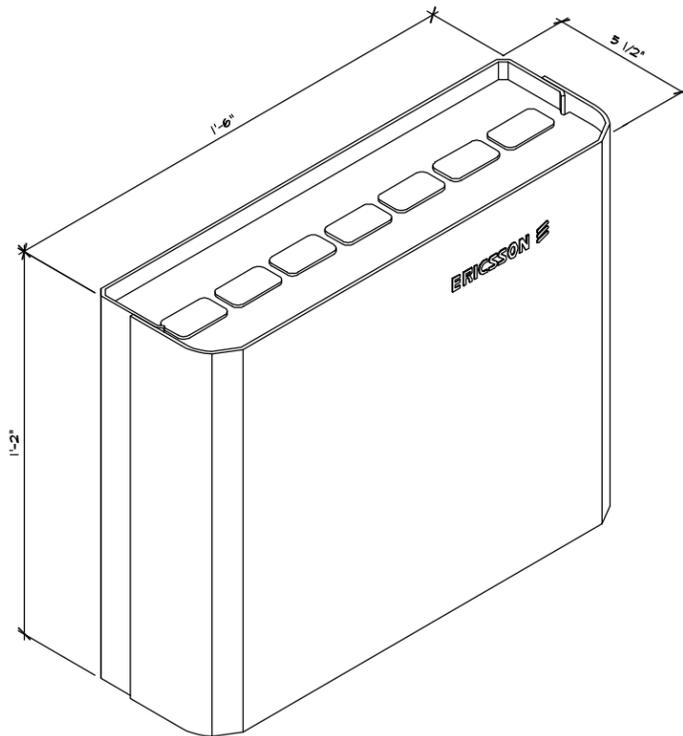
2242 POLK STREET
 CC5209C
 2242 POLK ST
 SAN FRANCISCO, CA
 94109

SHEET TITLE

SOUTH ELEVATION

SHEET NUMBER

Z-8



RBS 2111	
	WIDTH x DEPTH x HEIGHT
CABINET	18.03" x 5.51" x 14.37"
FOOTPRINT	18.03" x 5.51"

RBS 2111 WEIGHT	
FULLY EQUIPPED	
15 lbs	

RBS 2111 CLEARANCES	
DIRECTION	MINIMUM CLEARANCE
CABINET REAR AND WALL	0"
CABINET RIGHT/LEFT SIDE AND WALL	10"
ABOVE THE CABINET	12"
IN FRONT OF THE CABINET	36"

PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-02529

SUBMITTALS

7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% 2D's
0	APR 20/11	100% 2D's
B	APR 12/11	REVISED PER AT&T
A	JAN 28/11	ISSUED FOR REVIEW

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A&E SEAL

SITE
 2242 POLK STREET
 005209C
 2242 POLK ST
 SAN FRANCISCO, CA
 94109

SHEET TITLE
 GSM EQUIPMENT
 CABINET DETAILS

SHEET NUMBER
Z-9



PROJECT NO: 1059-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1059-025Z10

SUBMITTALS

7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% 2D's
0	APR 20/11	100% 2D's
B	APR 12/11	REVISED PER AT&T
A	JAN 28/11	ISSUED FOR REVIEW

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A&E SEAL

SITE

2242 POLK STREET
 CC5209C
 2242 POLK ST
 SAN FRANCISCO, CA
 94109

SHEET TITLE

LTE AND UMTS
 EQUIPMENT CABINET
 DETAILS

SHEET NUMBER

Z-10

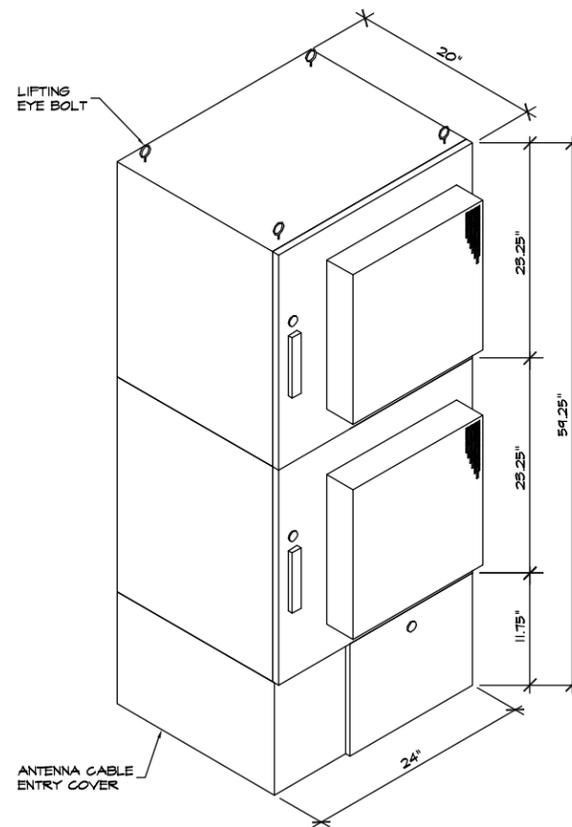
CABINET DIMENSIONS	
CABINET	WIDTH x DEPTH x HEIGHT
	24" x 20" x 56"

CABINET WEIGHT	
CABINET	FULLY EQUIPPED INCLUDING BATTERIES
	T.B.D.

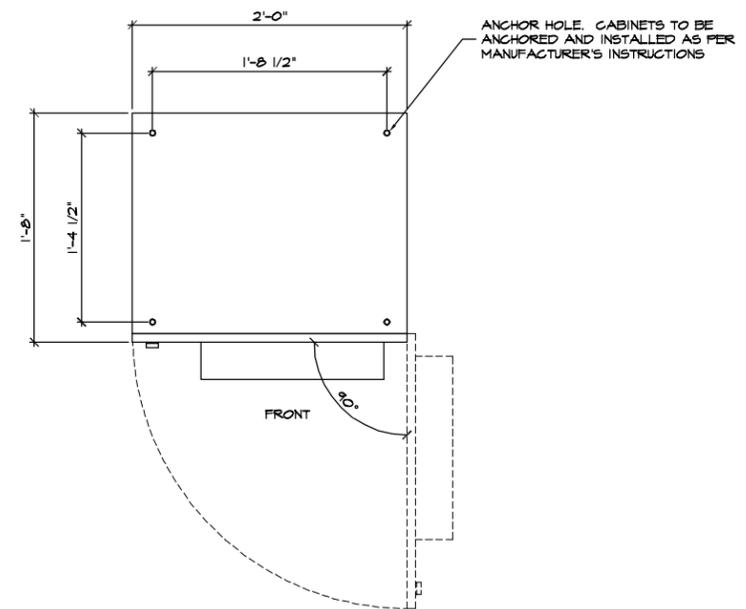
CABINET CLEARANCES	
DIRECTION	MINIMUM CLEARANCE
CABINET REAR AND WALL	T.B.D.
CABINET RIGHT SIDE AND WALL	T.B.D.
CABINET LEFT SIDE AND WALL	T.B.D.
ABOVE THE CABINET	T.B.D.
IN FRONT OF THE CABINET	T.B.D.

BATTERY INFORMATION			
MANUFACTURER	QUANTITY	WEIGHT	ELECTROLYTE
T.B.D.	T.B.D.	T.B.D.	T.B.D.

NOTE: BATTERIES ARE TOTALLY SEALED LEAD ACID BATTERIES



ISOMETRIC VIEW OF EQUIPMENT CABINET



BOLT DOWN PATTERN FOR CABINET



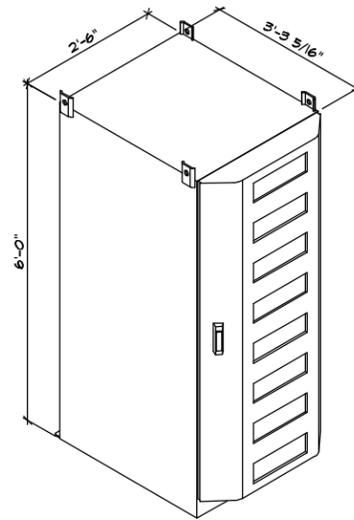
CABINET DIMENSIONS	
CABINET	WIDTH x DEPTH x HEIGHT
	30" x 34 5/8" x 72"
FOOTPRINT	30" x 34"

CABINET WEIGHT	
CABINET	FULLY EQUIPPED INCLUDING BATTERIES
	425 lbs

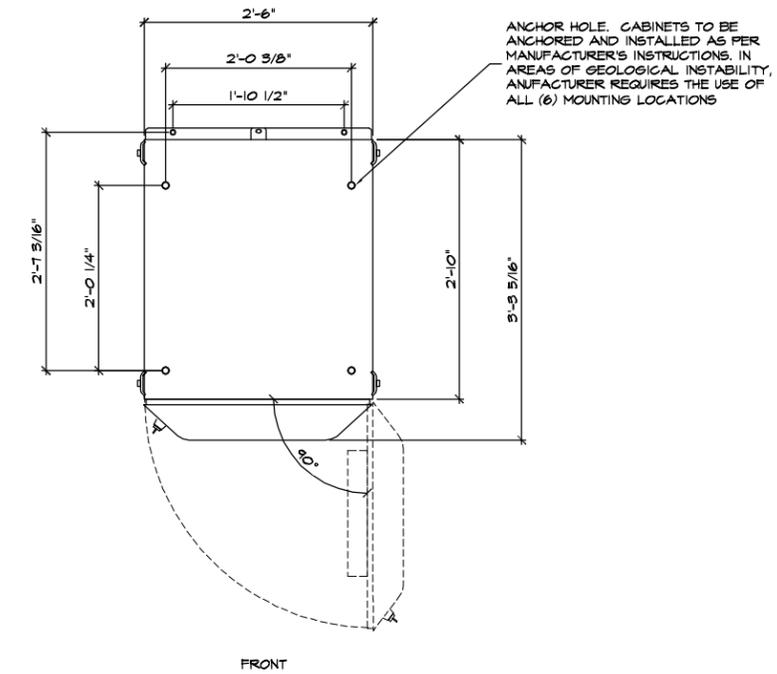
CABINET CLEARANCES	
DIRECTION	MINIMUM CLEARANCE
CABINET REAR AND WALL	T.B.D.
CABINET RIGHT SIDE AND WALL	T.B.D.
CABINET LEFT SIDE AND WALL	T.B.D.
ABOVE THE CABINET	T.B.D.
IN FRONT OF THE CABINET	25"

BATTERY INFORMATION			
MANUFACTURER	QUANTITY	WEIGHT	ELECTROLYTE
MARATHON (M12V155FT)	(1) BATTERY	114.78 LBS	2.17 GALLONS
MARATHON (M12V155FT)	MAXIMUM (12) BATTERIES PER CABINET	1,377.36 LBS	26.04 GALLONS

NOTE: BATTERIES ARE TOTALLY SEALED LEAD ACID BATTERIES



ISOMETRIC VIEW OF POWER AND BATTERY CABINET



BOLT DOWN PATTERN FOR POWER AND BATTERY CABINET

PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-025Z11

SUBMITTALS

7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
2	MAY 12/11	REVISED PER ERICSSON
1	MAY 09/11	RE-ISSUED FOR 100% 2D's
0	APR 20/11	100% 2D's
B	APR 12/11	REVISED PER AT&T
A	JAN 28/11	ISSUED FOR REVIEW

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A&E SEAL

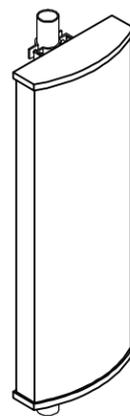
SITE
2242 POLK STREET
005209C
2242 POLK ST
SAN FRANCISCO, CA
94109

SHEET TITLE
POWER AND BATTERY
EQUIPMENT CABINET
DETAILS

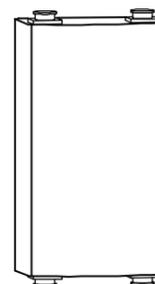
SHEET NUMBER
Z-11



LENGTH: 51"
WIDTH: 12"
DEPTH: 7"
WEIGHT: 41 lbs.



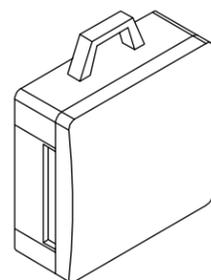
LENGTH: 52"
WIDTH: 18"
DEPTH: 6"
WEIGHT: T.B.D.



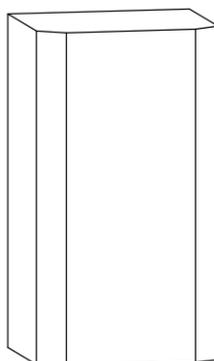
LENGTH: 11.0"
WIDTH: 6.1"
DEPTH: 3.9"
WEIGHT: 15.4 lbs

① ANTENNA SPECIFICATION

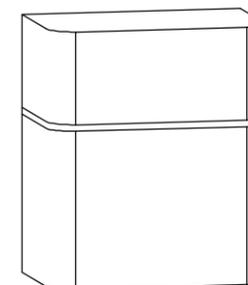
② DOUBLE TMA SPECIFICATIONS



LENGTH: 17.30"
WIDTH: 17.80"
DEPTH: 7.20"
WEIGHT: 50.00 lbs



LENGTH: 18.25"
WIDTH: 10.55"
DEPTH: 8.90"
WEIGHT: 41.2 lbs



LENGTH: 17.05"
WIDTH: 14.85"
DEPTH: 4.41"
WEIGHT: 36.38 lbs

③ RRUI SPECIFICATIONS

④ RRH SPECIFICATIONS

⑤ RRUN SPECIFICATIONS

PROJECT NO: 1054-025

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1054-025Z12

SUBMITTALS

7	FEB 07/12	REVISED PER ERICSSON
6	OCT 06/11	REVISED PER ERICSSON
5	SEP 21/11	REVISED PER ERICSSON
4	SEP 9/11	REVISED PER ERICSSON
3	SEP 6/11	REVISED PER ERICSSON
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1	MAY 09/11	RE-ISSUED FOR 100% ZD's
0	APR 20/11	100% ZD's
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A&E SEAL

SITE

2242 POLK STREET
005209C
2242 POLK ST
SAN FRANCISCO, CA
94109

SHEET TITLE

RF DETAILS

SHEET NUMBER

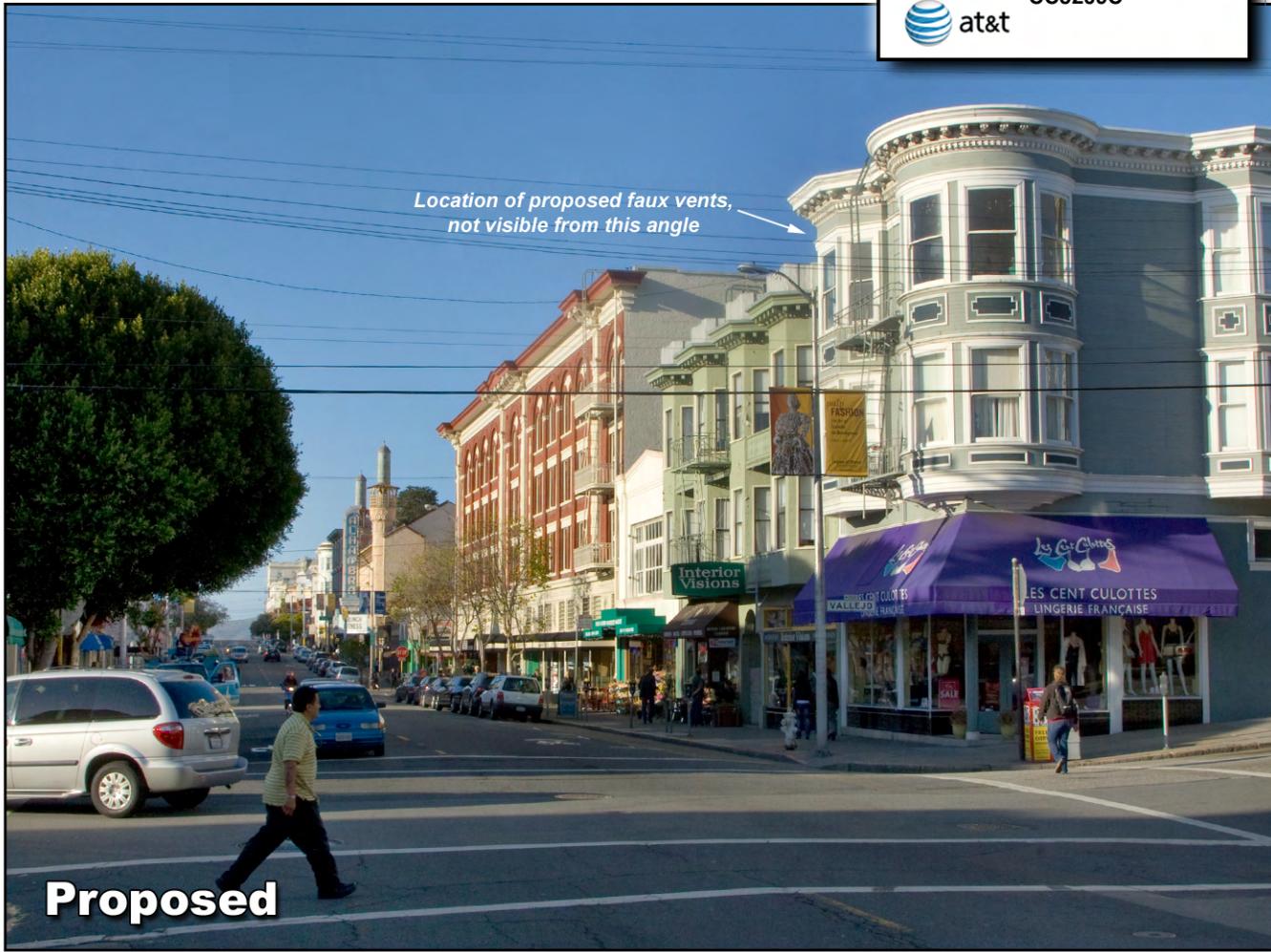
Z-12

Photosimulation of view looking north along Polk Street, just south of Vallejo.



Existing

Cole Hardware
 2242 Polk Street
 San Francisco, CA 94122
 CC5209C

*Location of proposed faux vents,
not visible from this angle*

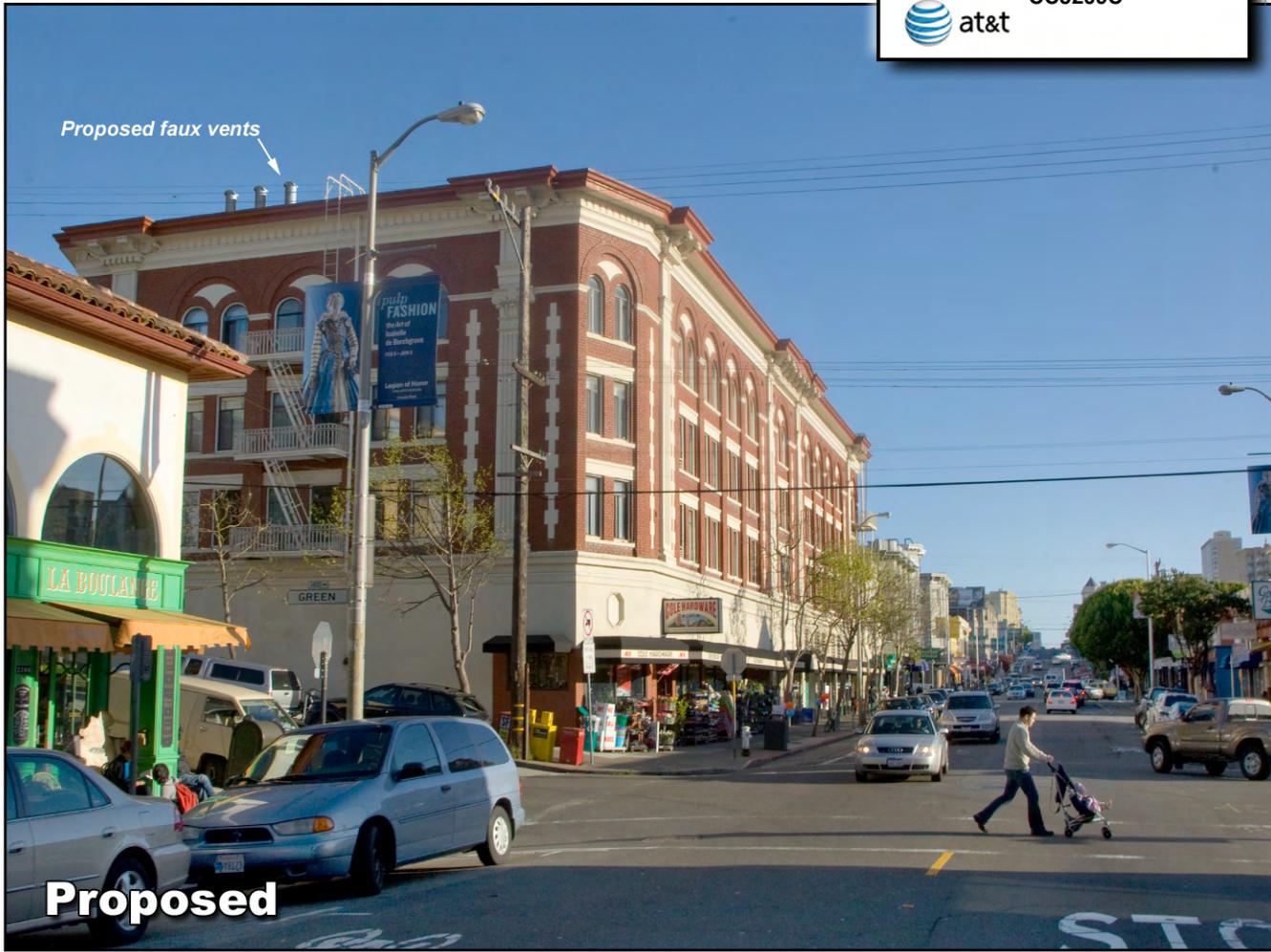
Proposed

Photosimulation of view looking southeast along Polk Street, just north of Green Street.



Existing

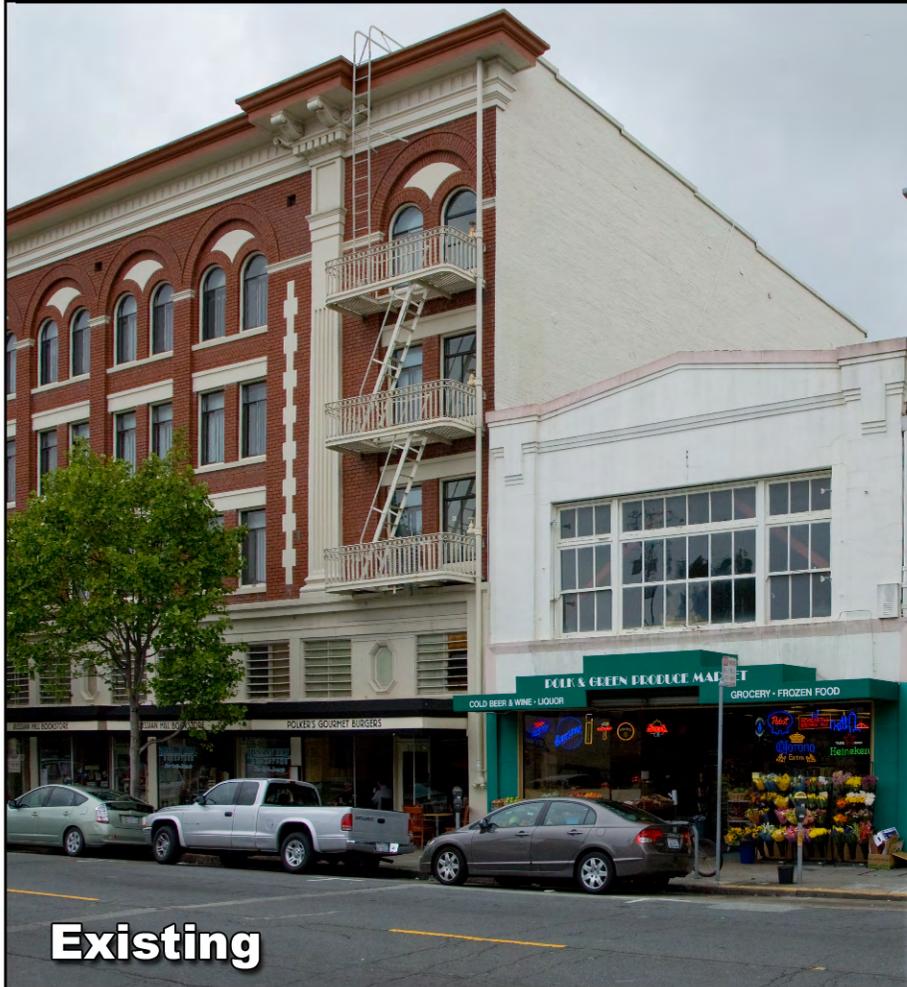
Cole Hardware
 2242 Polk Street
 San Francisco, CA 94122
 CC5209C

Proposed faux vents

Proposed

Photosimulation of view looking northeast from across the street, from the sidewalk, to show a view of the cable tray.



Existing

Cole Hardware
 2242 Polk Street
 San Francisco, CA 94122
 CC5209C



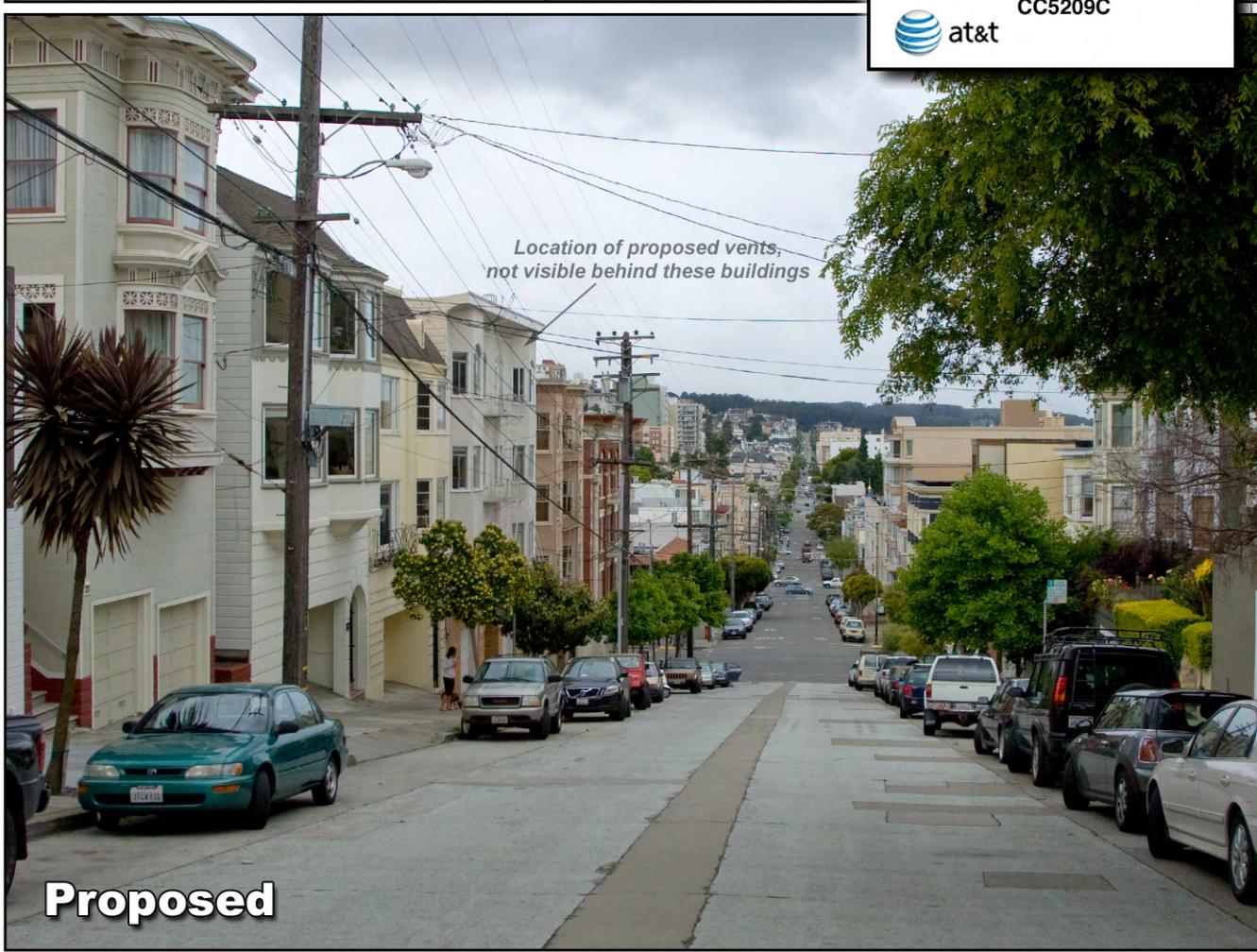

Proposed

Photosimulation of view looking west from farther uphill along Green Street.



Existing

Cole Hardware
 2242 Polk Street
 San Francisco, CA 94122
 CC5209C

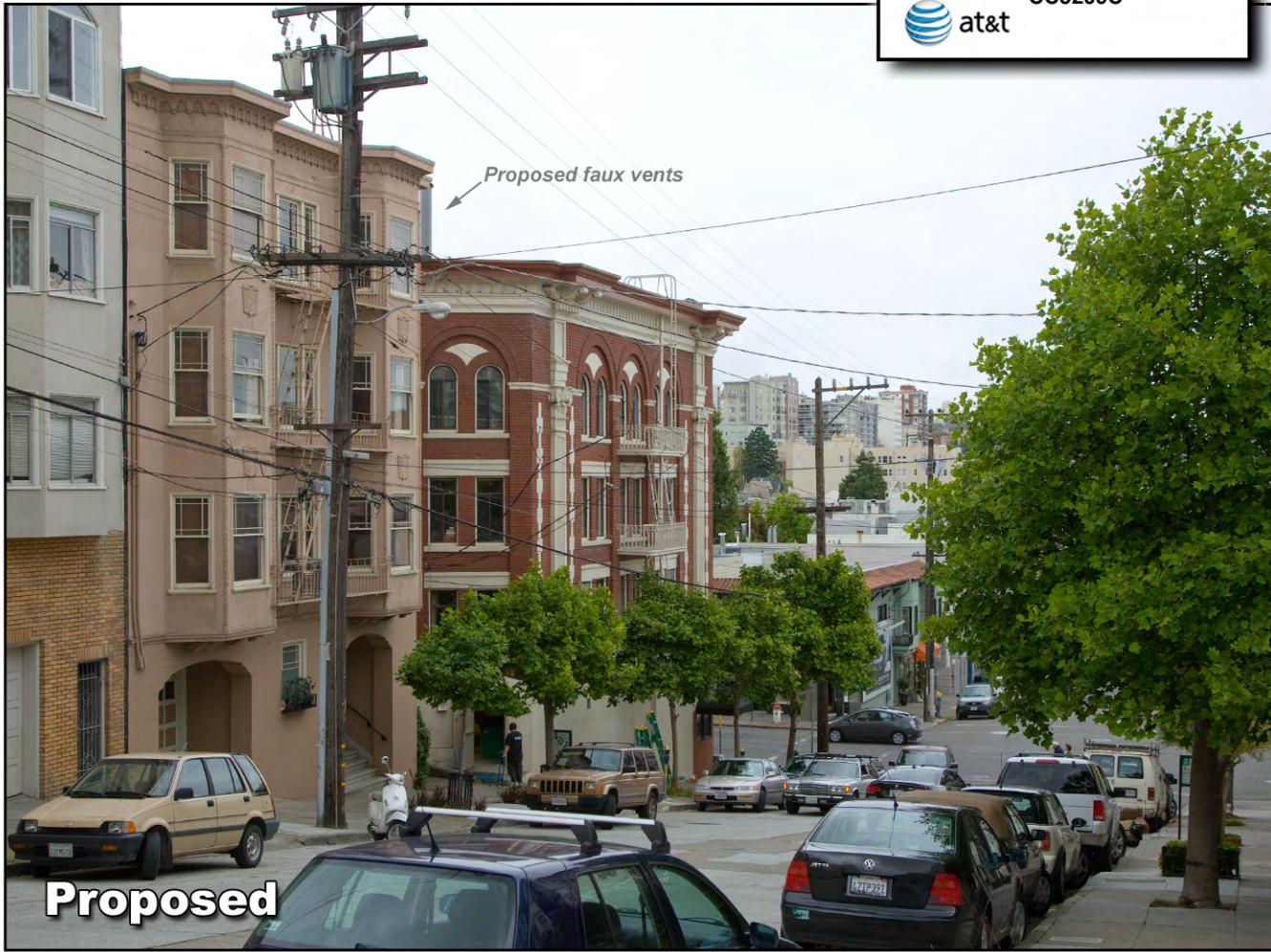
Proposed

Photosimulation of view looking west from farther uphill along the north side of Green Street.



Existing

Cole Hardware
 2242 Polk Street
 San Francisco, CA 94122
 CC5209C

Proposed

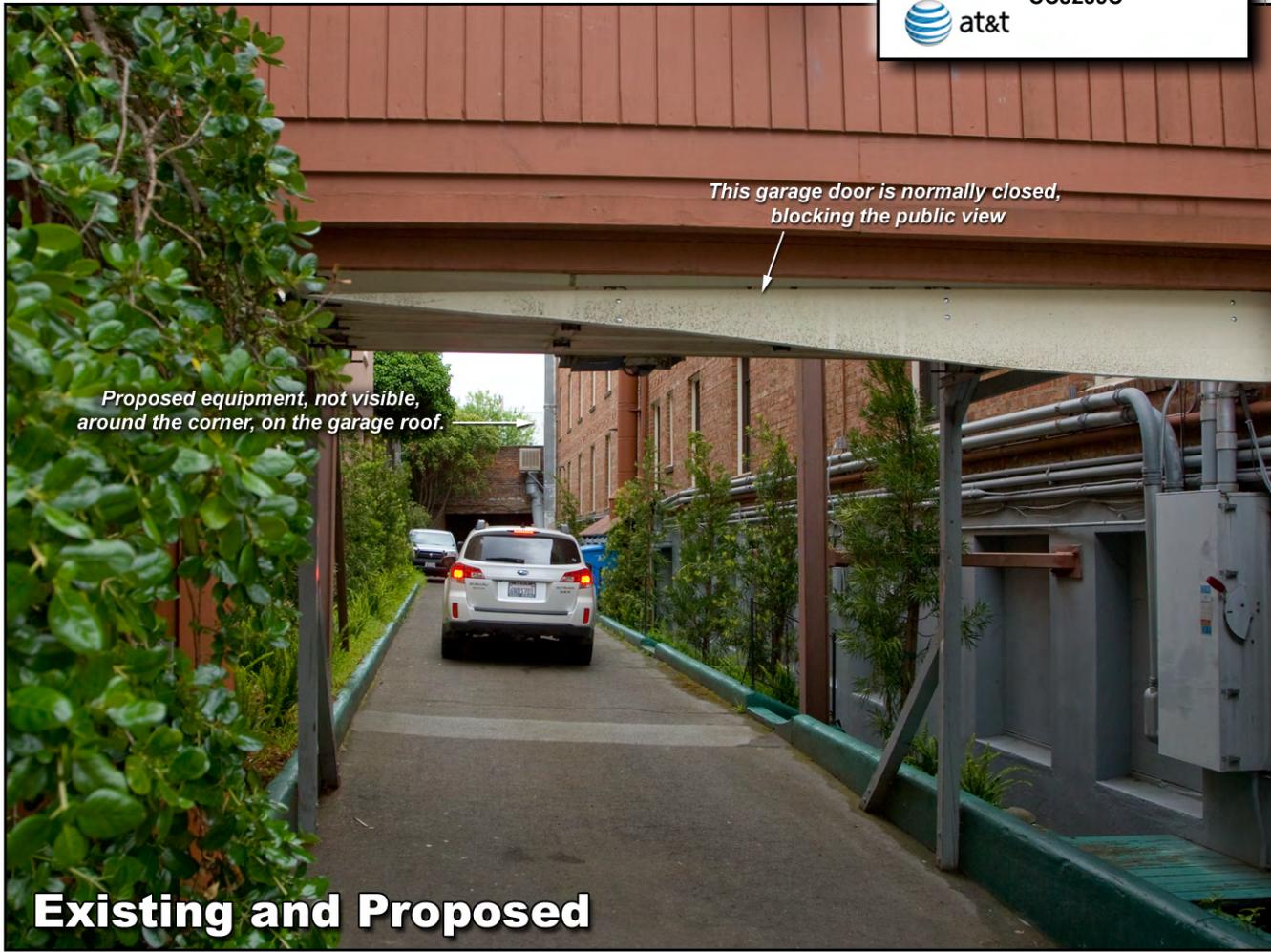
Photosimulation of view looking south, through a garage door that is usually closed, to show a view of the equipment area.



Existing and Proposed

Cole Hardware
 2242 Polk Street
 San Francisco, CA 94122
 CC5209C

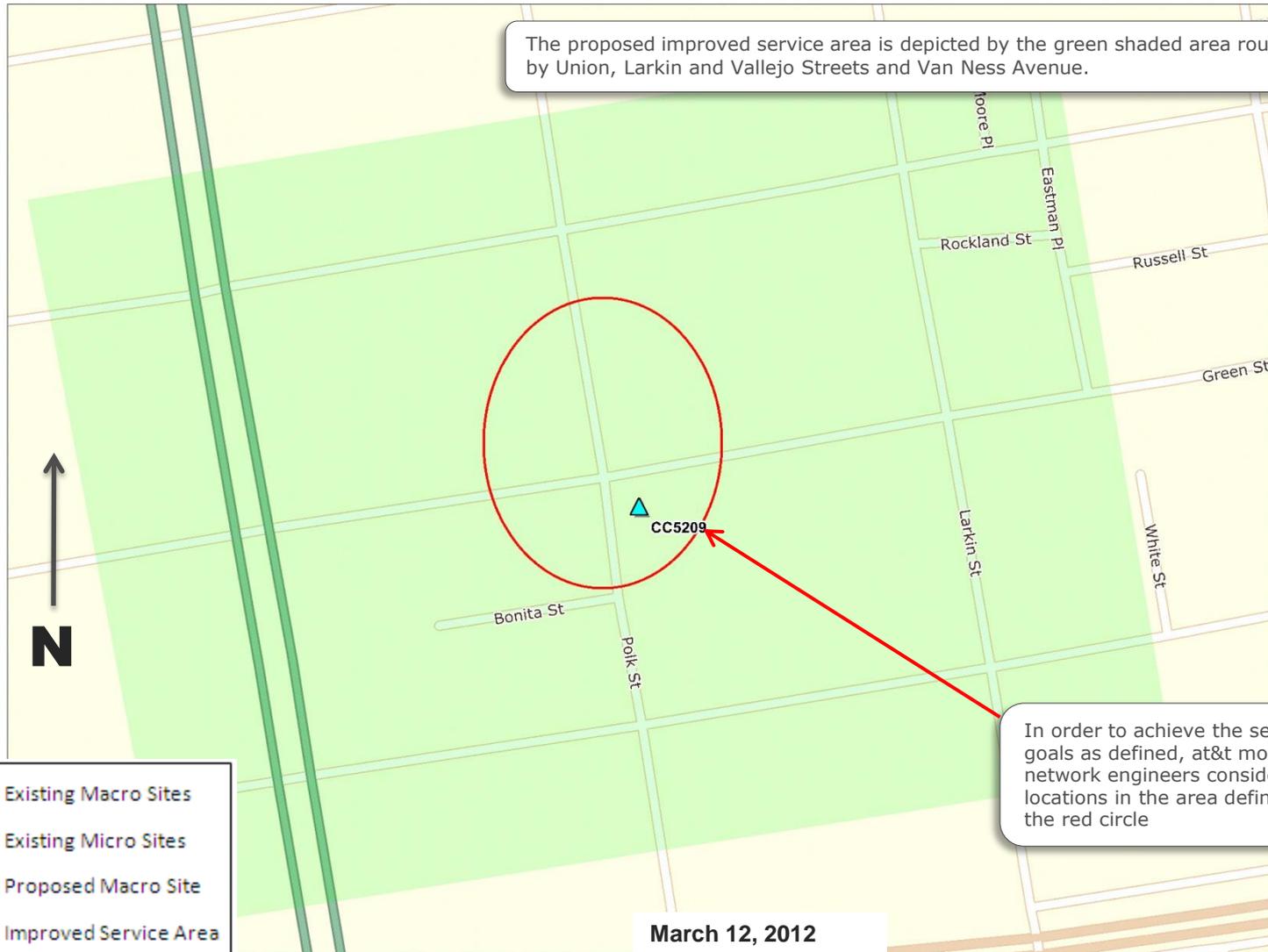
at&t



Existing and Proposed

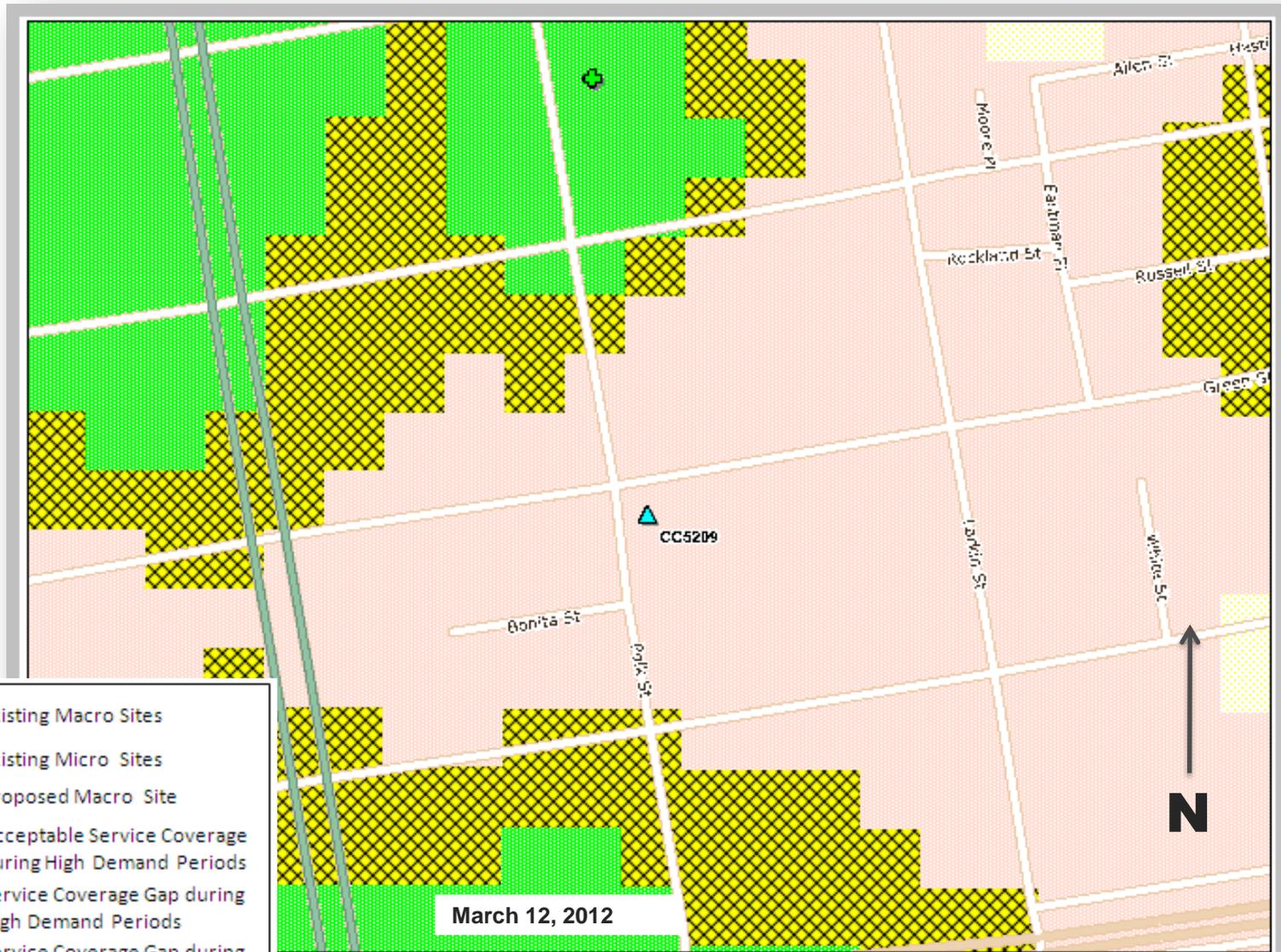
Service Improvement Objective (CC5209)

2254 Polk St Street



Proposed Site at 2254 Polk St (CC5209)

Service Area BEFORE site is constructed

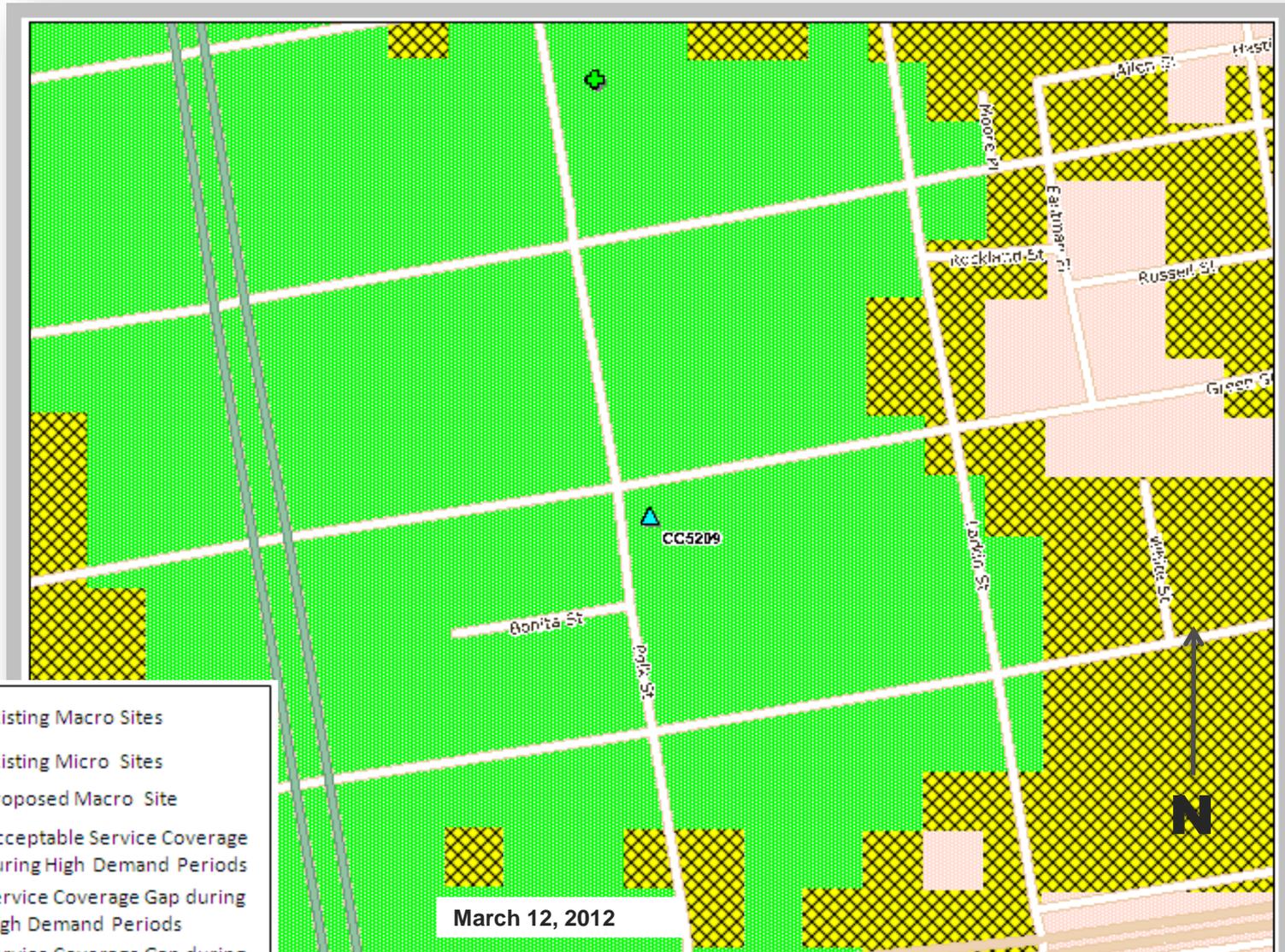


- ▲ Existing Macro Sites
- + Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable Service Coverage during High Demand Periods
- Service Coverage Gap during High Demand Periods
- Service Coverage Gap during All Demand Periods

March 12, 2012

Proposed Site at 2254 Polk St (CC5209)

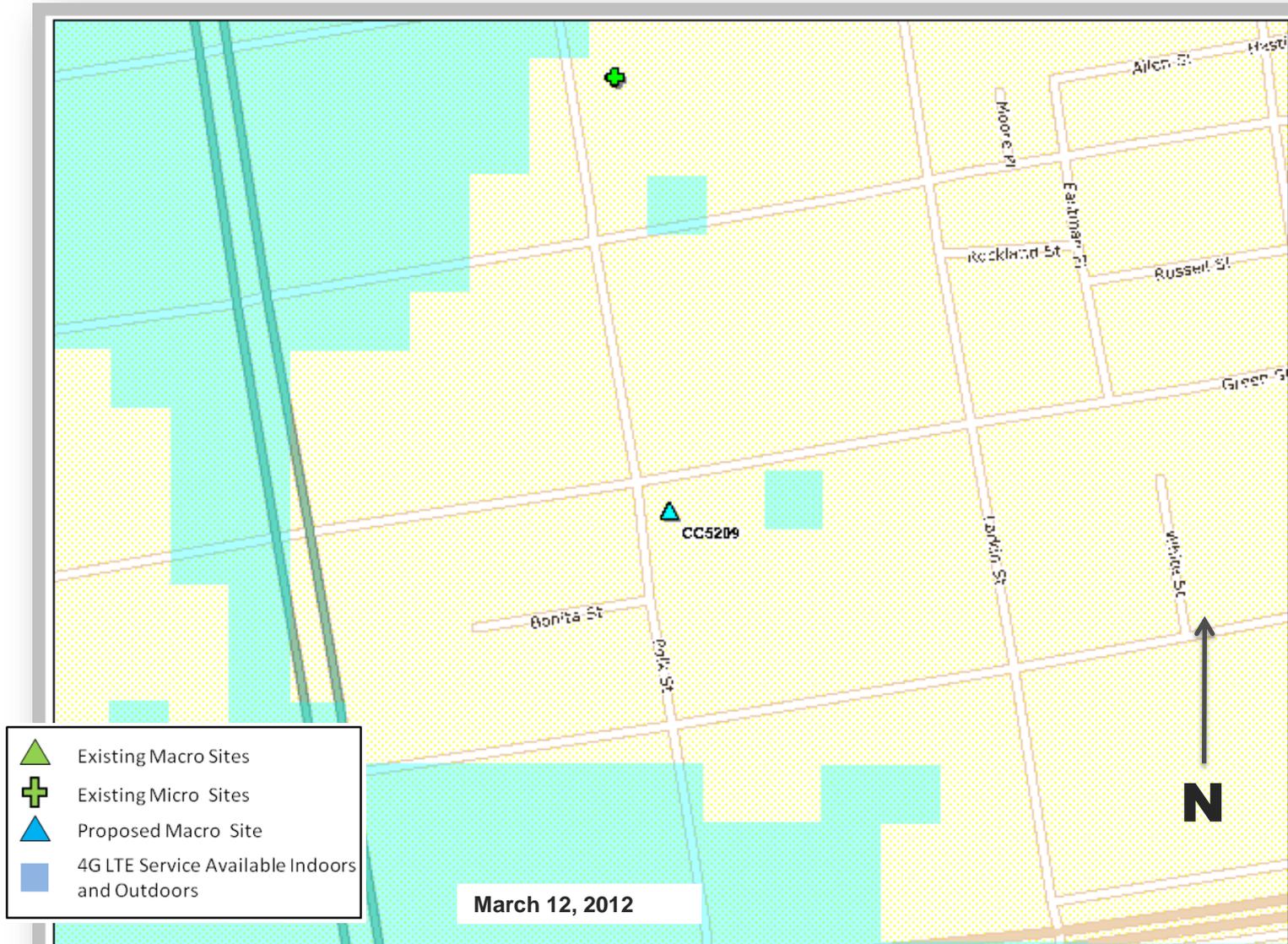
Service Area AFTER site is constructed



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

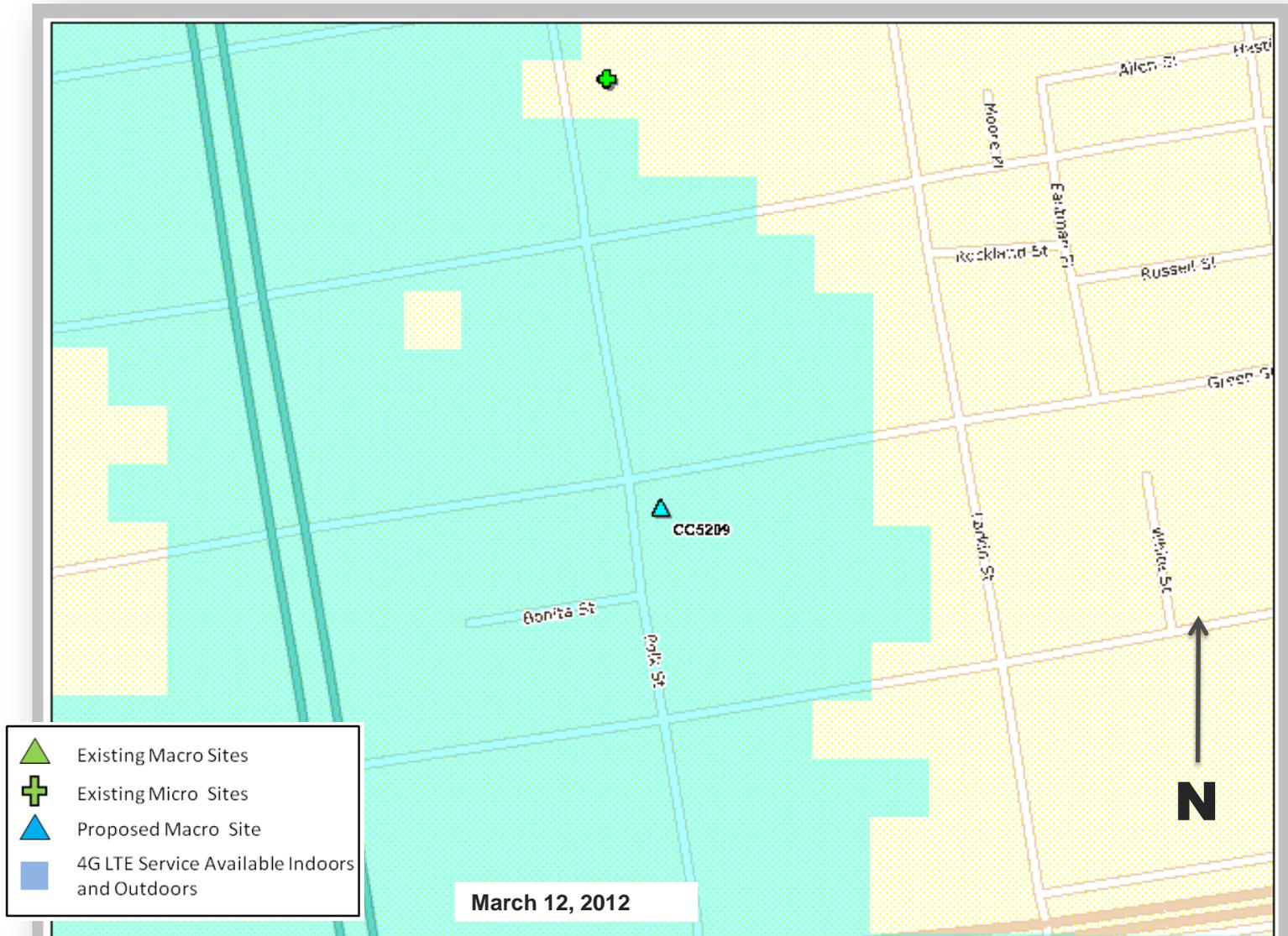
Proposed Site at 2254 Polk St (CC5209)

4G LTE Service Area BEFORE site is constructed



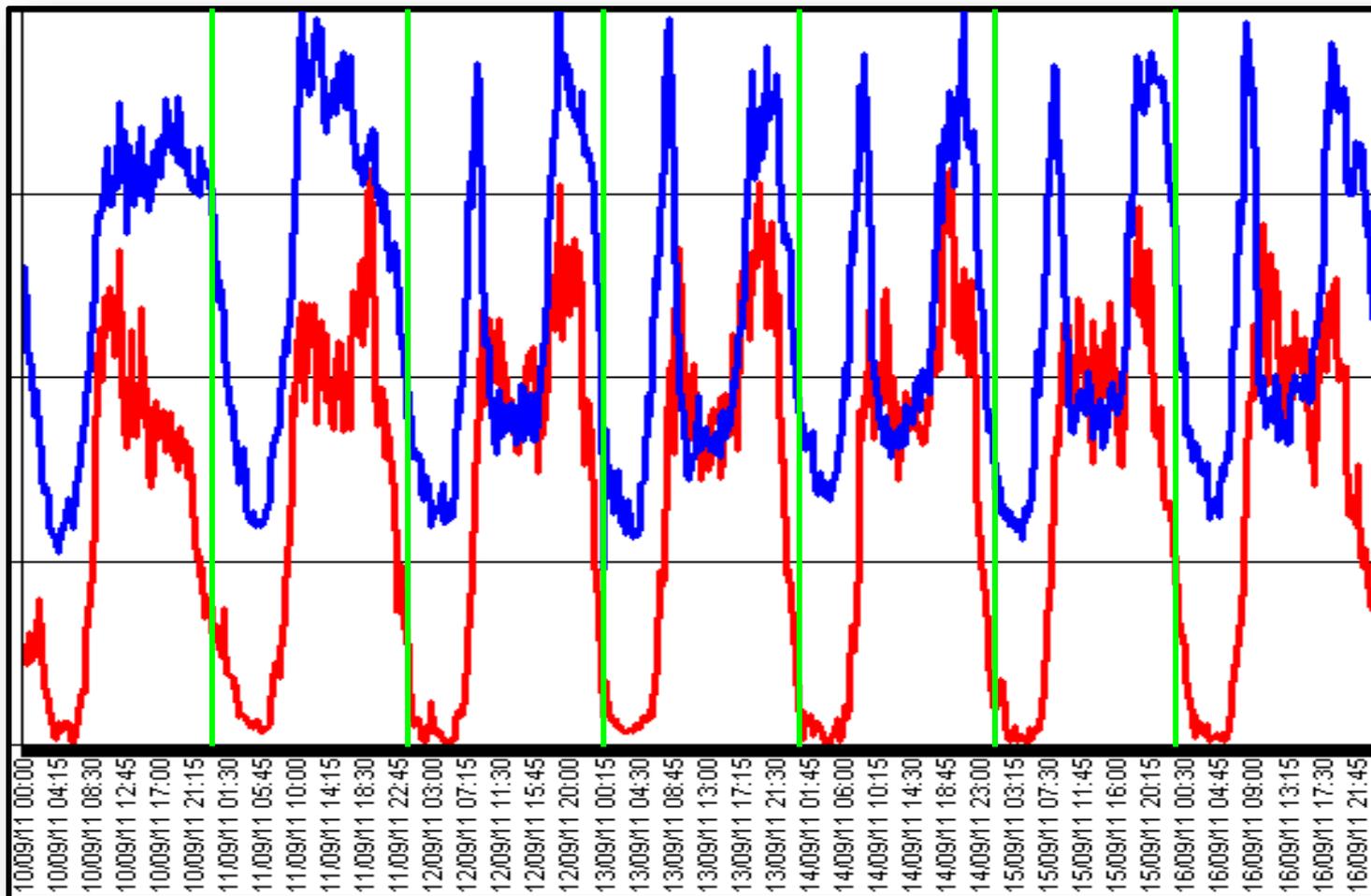
Proposed Site at 2254 Polk St (CC5209)

4G LTE Service Area AFTER site is constructed



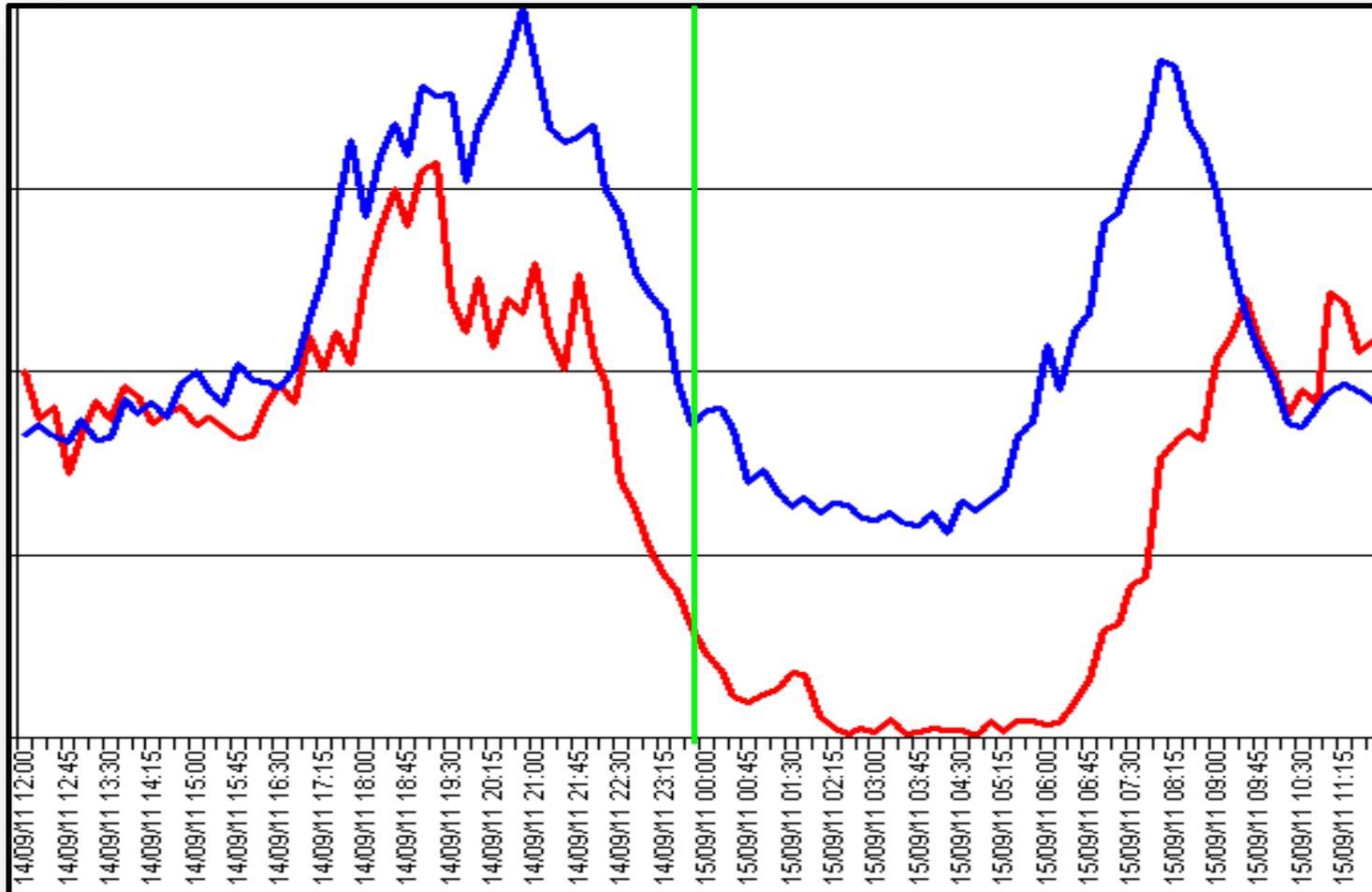
Current 7-Day Traffic Profile for the Location of CC5209

— Data Traffic
— Voice Traffic



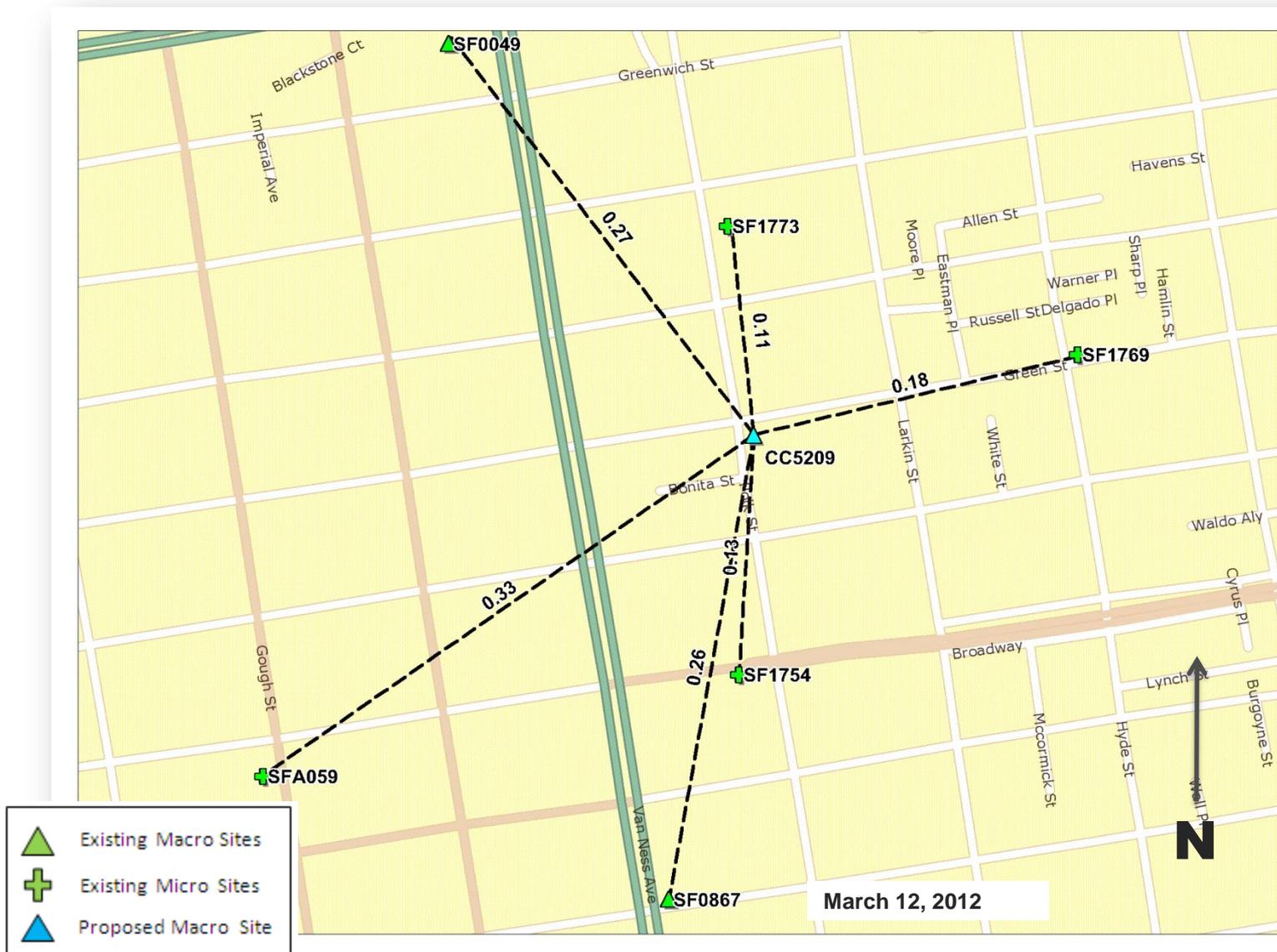
Current 24-Hour Traffic Profile for the Location of CC5209

— Data Traffic
— Voice Traffic



Existing Surrounding Sites at 2254 Polk St

CC5209



**AT&T Mobility • Proposed Base Station (Site No. CC5209C)
2242 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. CC5209C) proposed to be located at 2242 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:

<u>Wireless Service</u>	<u>Frequency Band</u>	<u>Occupational Limit</u>	<u>Public Limit</u>
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 Mr. Romer Panaguiton, a qualified field technician contracted by Hammett & Edison, Inc., during normal business hours on February 23, 2011, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by TRK Engineering, Ltd., dated May 12, 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 no other WTS facilities observed within 100 feet of the site.



**AT&T Mobility • Proposed Base Station (Site No. CC5209C)
2242 Polk Street • San Francisco, California**

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 Powerwave Model P65-15-XLH-RR directional panel antennas within cylindrical enclosures, configured to resemble vents, to be set back at least 10 feet from the edge of the roof of the four-story mixed-use building located at 2242 Polk Street. The antennas would be mounted with up to 8° downtilt at effective heights of at least 60 feet above ground, 8 feet above the roof, and would be oriented in groups of three toward 10°T, 150°T, and 250°T.

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

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

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

The maximum effective radiated power proposed by AT&T in any direction is 6,730 watts, representing simultaneous operation at 1,780 watts for AWS, 2,190 watts for PCS, 1,870 watts for cellular, and 890 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 in several directions, located at least 80 feet away.

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

For a person anywhere at ground, the maximum ambient RF exposure level due to the proposed AT&T operation is calculated to be 0.023 mW/cm², which is 3.2% of the applicable public exposure limit. Ambient RF levels at the site are therefore estimated to be below 4% of the limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 58 feet out from the antenna faces and to much lesser distances above, below, and to the sides; this includes areas of the roof of the building but does not reach any other publicly accessible areas.

9. Describe proposed signage at site.

It is recommended that barricades be erected, as shown in Figure 1 attached, to preclude public access directly in front of the antennas.* To prevent occupational exposures in excess of the FCC guidelines, no access between the antenna enclosures and the edge of the roof, such as might occur during maintenance work on the roof, should be allowed while the base station is in operation, unless other

* These barricades need not preclude access to the fire escape ladders or stand pipes.



**AT&T Mobility • Proposed Base Station (Site No. CC5209C)
2242 Polk Street • San Francisco, California**

measures can be demonstrated to ensure that occupational protection requirements are met. Those “Prohibited Access Areas” within the barricades should be striped with red paint, and explanatory warning signs[†] should be posted at the roof access door, at the barricades, and on the enclosures in front of 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.

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.

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 2242 Polk Street in San Francisco, California, can comply with the prevailing standards for limiting human exposure to radio frequency energy and, therefore, need not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Erecting barricades is recommended to establish compliance with public exposure limitations; marking areas on the roof and posting explanatory signs is recommended to establish compliance with occupational exposure limitations.



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

707/996-5200

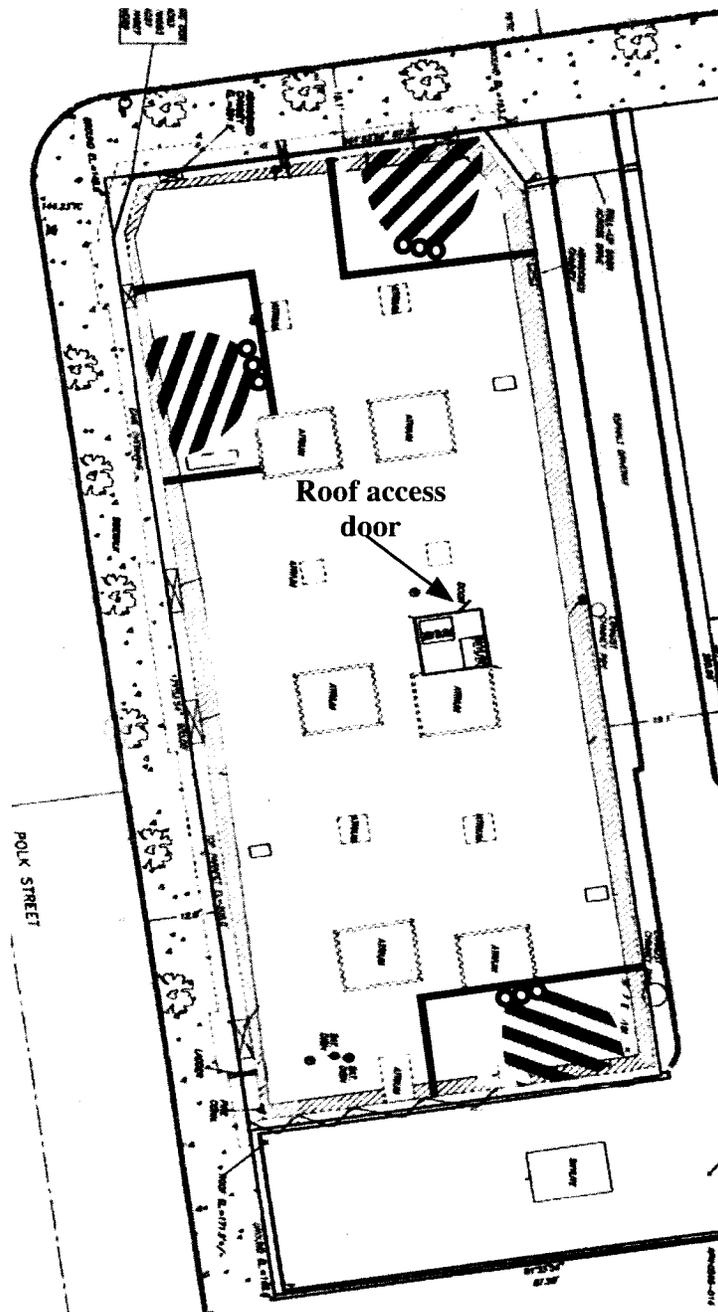
August 24, 2011

[†] 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.



**AT&T Mobility • Proposed Base Station (Site No. CC5209C)
2242 Polk Street • San Francisco, California**

**Suggested Locations for Barricade (green)
and for Striping to Identify “Prohibited Access Areas” (red)
and “Worker Notification Areas” (yellow)**



Notes:
Base drawing from TRK Engineering, Ltd., dated May 12, 2011.
Barricades should be erected to preclude access by the public to areas in front of the antennas.
“Prohibited Access Areas” should be marked with red paint stripes, and explanatory warning signs should be posted outside the areas, readily visible to authorized workers needing access.
See text.



Review of Cellular Antenna Site Proposals

Project Sponsor : AT&T Wireless **Planner:** Michelle Stahlhut
RF Engineer Consultant: Hammett and Edison **Phone Number:** (707) 996-5200
Project Address/Location: 2242 Polk St
Site ID: 1568 **SiteNo.:** cc5209C

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: 6730 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: 6730 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 10.4.1d)
- 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 $\mu\text{w}/\text{cm}^2$)
 Maximum RF Exposure: 0.023 mW/cm^2 Maximum RF Exposure Percent: 3.2
- X 9. Signage at the facility identifying all WTS equipment and safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards. (WTS-FSG, Section 10.9.2). Discuss signage for those who speak languages other than English.
 Public_Exclusion_Area Public Exclusion In Feet: 58
 Occupational_Exclusion_Area Occupational Exclusion In Feet: 19

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 2242 Polk Street. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There were observed no other antennas within 100 feet of this site. AT&T Wireless proposes to install 9 new antennas. The antennas will be mounted at a height of 60 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.023 mW/sq cm., which is 3.2 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 58 feet which includes areas of the rooftop. Barricades should be installed to prevent access to these areas. Warning signs must be posted at the antennas, barricades and roof access points in English, Spanish and Chinese. Workers should not have access to the area located between the antennas and the edge of the rooftop while they are in operation. This area should be marked with red striping on the roof.

 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: 1/30/2012

Patrick Fosdahl

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

NOTICE OF NEIGHBORHOOD MEETING

To: Neighborhood Groups, Neighbors & Owners within 500' radius of
2242 Polk Street

Meeting Information

Date: **Wednesday May 18, 2011**
Time: 7:00 p.m.
Where: Helen Wills Park
Garden Room
1965 Larkin Street
San Francisco, CA 94109

Site Information

Address: 2242 Polk Street
Block/Lot 0549 / 015
Zoning: Polk Street NCD

Applicant

AT&T Mobility

Contact Information

AT&T Mobility Hotline
(415) 646-0972

AT&T Mobility is proposing to install a wireless communication facility at 2242 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 nine (9) panel antennas, roof-mounted on the building. The equipment will also be located on the roof of the building. 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 Helen Wills Park—Garden Room, 1965 Larkin Street, on Wednesday May 18, 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 Rick Crawford, project planner with the San Francisco Department of City Planning at (415) 558-6358 if you have any questions regarding the planning process.

NOTE: If you require an interpreter to be present at the meeting, please contact our office at (415) 646-0972 no later than 5:00pm on Monday May 16, 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
2242 Polk Street

Información de la reunión

Fecha: **Miércoles 18 de mayo de 2011**
Hora: 7:00 p.m.
Dónde: Helen Wills Park
Garden Room
1965 Larkin Street
San Francisco, CA 94109

Información del lugar

Dirección: 2242 Polk Street
Cuadra/Lote 0549 / 015
Zonificación: Polk Street NCD

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 2242 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 nueve (9) antenas panel que se montarán en el techo del edificio. Los equipos también se colocarán en el techo del edificio. 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 Helen Wills Park, Garden Room, 1965 Larkin Street el miércoles 18 de mayo 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 Rick Crawford, planificador de proyecto, en el Departamento de Planificación de la Ciudad de San Francisco al (415) 558-6358 si tiene alguna pregunta relacionada con el proceso de planificación.

NOTA: Si necesita que un intérprete esté presente en la reunión, por favor, contacte a nuestra oficina al (415) 646-0972 antes de las 5:00 p.m. el lunes 16 de mayo de 2011, y haremos todo lo posible para proporcionarle un intérprete.

社區會議通知

致：Polk 街 2242 號周圍五百英尺內的居民組織、居民和業主

會議資訊

日期：2011 年 5 月 18 日 (星期三)
時間：下午 7:00
地點：加利福尼亞州三藩市 Larkin 街 1965 號 Helen Wills Park-Garden Room (郵編 94109)

設施地點資訊

地址：Polk 街 2242 號
街區 / 地段：0549/015
分區：Polk Street NCD

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 2242 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，將在該建築的樓頂安裝九(9) 根平板天線。相關設備也將被放置該建築的樓頂。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 5 月 18 日 (星期三) 下午 7:00 在 Larkin 街 1965 號 Helen Wills Park 的 Garden Room 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) 558-6358 與三藩市城市規劃署的 Rick Crawford 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 5 月 16 日 (星期一) 下午 5 點前致電 (415) 646-0972 與本辦公室聯繫，我們將盡力為您配備一名翻譯。

TOWN CONSULTING

May 20, 2011

Mr. Rick Crawford, Planner
San Francisco Department of Planning
1650 Mission Street, Suite 400
San Francisco, CA 94103

**Re: Case No. 2011.0410C
Community Meeting for proposed AT&T Mobility facility at 2242 Polk Street**

Dear Mr. Crawford,

On May 18, 2011, AT&T mobility held a community meeting regarding the proposed wireless facility at Helen Wills Park Garden Room. The attached notification announced the community presentation was to be held at 1965 Larkin Street, San Francisco, CA 94109 at 7:00 p.m. Notice of the meeting was mailed on May 4, 2011 to 1,659 owners and tenants within 500 feet of the proposed installation and eight neighborhood organizations.

Marc Blakeman and I conducted the meeting on behalf of AT&T Mobility as the project sponsor. Raj Mathur with Hammett and Edison was there to answer any questions regarding the EMF emissions from the proposed wireless facility.

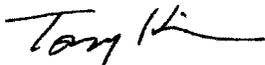
According to the attendance sign in sheet, 14 members of the community attended the meeting. General questions were raised about the radio frequency levels from the proposed facility. Their concerns were primarily focused on EMF though there were several questions concerning the planning process and what other wireless sites are currently in the "neighborhood" and what additional sites are planned.

Following are the action items from the meeting:

- 1) AT&T will contact the landlord to share neighbor's concerns over the loudness of the air conditioning conductor.
- 2) At the request of one of the community members, AT&T will work with Hammett & Edison to provide projected RF levels for adjacent neighbors.

Please contact me at (415) 246-8855 if you have any questions.

Sincerely,



Tony Kim
Town Consulting
Representing AT&T Mobility

Attachments:

Community Meeting Notice
Sign-in Sheet



**Cole Hardware Community Meeting
May 18, 2011**

Name	Address	Phone/Email
Jason Pulido	2037 Larkin St SE, CA	Jasonrfed@yahoo.com
Paul Doe	2355 Polk St #504	paul07@gmail.com
Evelyn Fung Collin	2023 Larkin St. SF 94109	efungcole@chw.edu
Margaret Halsey	2242 Polk SF CA	_____
Jim Halsey	2242 Polk, SF 94109	_____
Marko Kollschauer	3242 Polk SF 94109	none
Laurie Umlor	1425 Vallejo St. SF 94109	laurie.uml@ gmail
LAURA ABENT	2057 LARKIN ST	70. LAURA@GMAIL.COM
Sol Sev	2440 LARKIN ST	
Lily LEE	2027 LARKIN	
MIKE ROSSOFF	1375 Green St #3 SF 94109	
Jeanne Koveless	1360 Green St #11 SF 94109	
Felix Litman	1425 Vallejo St #202 ⁹⁴¹⁰⁹	f-litman@yahoo.com

