



# SAN FRANCISCO PLANNING DEPARTMENT

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## Executive Summary Conditional Use Authorization

HEARING DATE: AUGUST 8, 2013

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

Reception:  
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*Date:* August 1, 2013  
*Case No.:* **2012.1400C**  
*Project Address:* **725 Greenwich Street**  
*Current Zoning:* North Beach Neighborhood Commercial District  
North Beach Special Use District  
North Beach Limited Financial Service Subdistrict  
Telegraph Hill – North Beach Residential Special Use District  
40-X Height and Bulk District  
*Block/Lot:* 0090/030  
*Project Sponsor:* AT&T Mobility represented by  
Talin Aghazarian, Town Consulting  
100 Clement Street, 3<sup>rd</sup> Floor  
San Francisco, CA 94118  
*Staff Contact:* Omar Masry – (415) 575-9116  
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### PROJECT DESCRIPTION

The proposal is to install a macro wireless telecommunication services (“WTS”) facility consisting of up to nine (9) panel antennas on the roof the subject building, as part of AT&T Mobility’s telecommunications network. Based on the zoning, the antennas are proposed on a Location Preference 6 Site (Limited Preference, Neighborhood Commercial District) according to the WTS Siting Guidelines.

The proposed antennas would be located in three sectors (A, B, and C), with three antennas per sector on the roof of the building. Sector A, would feature antennas with a maximum height of approximately 57 feet above grade. Due to height limitations, which for example limit a faux vent pipe to ten (10) feet above the 40-foot height limit, the applicant has proposed three unscreened antennas in this sector; which are permitted to exceed height limitations (Planning Code Section 260). The antennas would feature a minimal rear shroud intended to screen only the rear of the antenna and appurtenant mounting hardware and cabling, then painted a gray color.

Sector B antennas would consist of three antennas mounted at a maximum height of approximately 51 feet above grade and located behind a radiofrequency-transparent screen wall intended to mimic an extension of the rooftop penthouse (approximately 50 feet above grade).

Sector C antennas would consist of three antennas with a maximum height of approximately 52 feet above grade. These antennas would also feature a minimal rear shroud intended to screen only the rear of the antenna and appurtenant mounting hardware and cabling, then painted a gray color.

All of the actual antennas (screened and partially shrouded) measure approximately 53" high by 19" wide by 7" thick, and electronic equipment necessary to operate the facility would be located in the basement of the subject building.

## **SITE DESCRIPTION AND PRESENT USE**

The subject building is located on Assessor's Block 0090, Lot 030 at the southwest corner of Greenwich Street and Via Bufano (alley), and approximately 100 feet east of Columbus Avenue. This site is within the North Beach Neighborhood Commercial Zoning District, North Beach Special Use District, North Beach Limited Financial Service Subdistrict, Telegraph Hill-North Beach Residential Special Use District, and a 40-X Height and Bulk District. The Project Site contains a four-story, 42-foot tall building with ground floor office and apartments above.

## **SURROUNDING PROPERTIES AND NEIGHBORHOOD**

The subject building is located in the North Beach Neighborhood, and is surrounded by the Joe Dimaggio (public) playground to the north (separated by Greenwich Street), a three-story mixed-use apartment building, with ground floor commercial to the east, and three-story residential buildings to the south and west. An existing micro WTS facility (dual omni "whip" antennas), operated by AT&T Mobility, is located approximately 100 feet away at 750 Columbus Avenue. Though not a part of this project, the Project Sponsor intends to remove the micro WTS facility, in the event the macro WTS facility is approved and constructed at the Project Site.

## **ENVIRONMENTAL REVIEW**

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

## **HEARING NOTIFICATION**

<b>TYPE</b>	<b>REQUIRED PERIOD</b>	<b>REQUIRED NOTICE DATE</b>	<b>ACTUAL NOTICE DATE</b>	<b>ACTUAL PERIOD</b>
Classified News Ad	20 days	July 19, 2013	July 19, 2013	20 days
Posted Notice	20 days	July 19, 2013	July 19, 2013	20 days
Mailed Notice	20 days	July 19, 2013	July 19, 2013	20 days

## **PUBLIC COMMENT**

As of August 1, 2013, the Department has received no comment regarding the proposed project. The applicant held a community meeting at 6:00 p.m. on March 20, 2013 at the San Francisco Athletic Club, located at 1630 Stockton Street. No community members attended the meeting.

## **ISSUES AND OTHER CONSIDERATIONS**

- Health and safety aspects of all wireless projects are reviewed under the Department of Public Health and the Department of Building Inspections.
- An updated Five Year Plan with approximate longitudinal and latitudinal coordinates of proposed locations, including the subject site is on file with the Planning Department.
- All required public notifications were conducted in compliance with the City's code and policies.

## **REQUIRED COMMISSION ACTION**

Pursuant to Section 722.83 of the Planning Code, Conditional Use authorization is required for a WTS facility in the North Beach Commercial Zoning District.

## **BASIS FOR RECOMMENDATION**

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

- The Project complies with the applicable requirements of the Planning Code.
- The Project is consistent with the objectives and policies of the General Plan.
- The Project is consistent with the 1996 WTS Facilities Siting Guidelines, Planning Commission Resolution No. 14182 and Resolutions No. 16539 and No. 18523 supplementing the 1996 WTS Guidelines.
- Health and safety aspects of all wireless projects are reviewed under the Department of Public Health and the Department of Building Inspections.
- The expected RF emissions fall well within the limits established by the FCC.
- The project site is considered a Location Preference 6, (Limited Preference Location, Neighborhood Commercial District) according to the Wireless Telecommunications Services (WTS) Siting Guidelines.
- Based on propagation maps provided by AT&T Mobility, the project would provide coverage in an area that currently experiences several gaps in coverage and capacity.
- Based on the analysis provided by AT&T Mobility, the project would provide additional capacity in an area that currently experiences insufficient service during periods of high data usage.
- Based on independent third-party evaluation, the maps, data, and conclusions about service coverage and capacity provided by AT&T Mobility are accurate.
- The use of screening methods for antennas, such as radiofrequency transparent screen walls (Sector B), and rear shroud covers on the back of the uppermost antenna sectors (Sector A and C), will ensure the proposed facility would be minimally visible from adjacent public rights-of-way, and not have a negative impact on surrounding views.
- Electronic equipment necessary for the facility would be located in the basement of the subject building and will not impact aesthetics, parking, or the use of the building for commercial and residential users.
- The proposed project has been reviewed by staff and found to be categorically exempt from further environmental review. The proposed changes to the subject building do not result in a

significant impact on the resource. The proposed antenna project is categorically exempt from further environmental review pursuant to the Class 3 exemptions of California Environmental Quality Act.

- A Five Year Plan with approximate longitudinal and latitudinal coordinates of proposed locations, including the subject site, was submitted.
- All required public notifications were conducted in compliance with the City's code and policies.

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

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



# SAN FRANCISCO PLANNING DEPARTMENT

2Subject to: (Select only if applicable)

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

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## Planning Commission Motion No. XXXX

HEARING DATE: AUGUST 8, 2013

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*Case No.:* **2012.1400C**  
*Project Address:* **725 Greenwich Street**  
*Current Zoning:* North Beach Neighborhood Commercial District  
North Beach Special Use District  
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100 Clement Street, 3<sup>rd</sup> Floor  
San Francisco, CA 94118  
*Staff Contact:* Omar Masry – (415) 575-9116  
Omar.Masry@sfgov.org

**ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTION 303(c) AND 722.83 TO INSTALL A WIRELESS TELECOMMUNICATIONS SERVICES FACILITY CONSISTING OF NINE PANEL ANTENNAS LOCATED ON THE ROOFTOP AND ELECTRONIC EQUIPMENT IN THE BASEMENT OF AN EXISTING COMMERCIAL BUILDING AS PART OF AT&T MOBILITY’S WIRELESS TELECOMMUNICATIONS NETWORK WITHIN THE NORTH BEACH NEIGHBORHOOD COMMERCIAL ZONING DISTRICT, NORTH BEACH SPECIAL USE DISTRICT, NORTH BEACH LIMITED FINANCIAL SERVICE SUBDISTRICT, TELEGRAPH HILL–NORTH BEACH RESIDENTIAL SPECIAL USE DISTRICT, AND A 40-X HEIGHT AND BULK DISTRICT.**

### PREAMBLE

On November 7, 2012, AT&T Mobility (hereinafter "Project Sponsor"), submitted an application (hereinafter "Application"), for Conditional Use Authorization on the property at 725 Greenwich Street, Lot 030 in Assessor's Block 0090, (hereinafter "Project Site") to install a wireless telecommunications service facility consisting of up to (9) nine panel antennas located on the roof of the subject building, and equipment located in the basement, as part of AT&T Mobility’s telecommunications network, within the North Beach Neighborhood Commercial Zoning

District, North Beach Special Use District, North Beach Limited Financial Service Subdistrict, Telegraph Hill–North Beach Residential Special Use District, and a 40-X Height and Bulk District.

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

On August 8, 2013, the San Francisco Planning Commission (hereinafter “Commission”) conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use authorization.

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

**MOVED**, that the Commission hereby authorizes the Conditional Use in Application No. 2012.1400C, 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 subject building is located on Assessor’s Block 0090, Lot 030 at the southwest corner of Greenwich Street and Via Bufano (alley), and approximately 100 feet east of Columbus Avenue. This site is within the North Beach Neighborhood Commercial Zoning District, North Beach Special Use District, North Beach Limited Financial Service Subdistrict, Telegraph Hill–North Beach Residential Special Use District, and a 40-X Height and Bulk District. The Project Site contains a four-story, 42-foot tall building with ground floor office and apartments above.
3. **Surrounding Properties and Neighborhood.** The subject building is located in the North Beach Neighborhood, and is surrounded by the Joe Dimaggio (public) playground to the north (separated by Greenwich Street), a three-story mixed-use apartment building, with ground floor commercial to the east, and three-story residential buildings to the south and west.
4. **Project Description.** The proposal is to install a macro wireless telecommunication services (“WTS”) facility consisting of up to nine panel antennas located on the roof of the subject building and equipment located in the basement as part of AT&T Mobility’s

telecommunications network. Based on the zoning, the antennas are proposed on a Location Preference 6 Site (Limited Preference, Neighborhood Commercial District) according to the WTS Siting Guidelines. The proposed antennas would be located in three sectors, with three antennas per sector on the roof of the building.

Sector A, would feature antennas with a maximum height of approximately 57 feet above grade. Due to height limitations, which for example limit a faux vent pipe to ten (10) feet above the 40-foot height limit, the applicant has proposed three unscreened antennas in this sector; which are permitted to exceed height limitations (Planning Code Section 260). The antennas would feature a minimal rear shroud intended to screen only the rear of the antenna and appurtenant mounting hardware and cabling, then painted a gray color.

Sector B antennas would consist of three antennas mounted at a maximum height of approximately 51 feet above grade and located behind a radiofrequency-transparent screen wall intended to mimic an extension of the rooftop penthouse (approximately 50 feet above grade).

Sector C antennas would consist of three antennas with a maximum height of approximately 52 feet above grade. These antennas would also feature a minimal rear shroud intended to screen only the rear of the antenna and appurtenant mounting hardware and cabling, then painted a gray color.

All of the actual antennas (screened and partially shrouded) measure approximately 53" high by 19" wide by 7" thick, and electronic equipment necessary to operate the facility would be located in the basement of the subject building.

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

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

1. Publicly-used Structures: such facilities as fire stations, utility structures, community facilities, and other public structures;
2. Co-Location Site: encourages installation of facilities on buildings that already have wireless installations;
3. Industrial or Commercial Structures: buildings such as warehouses, factories, garages, service stations;

4. Industrial or Commercial Structures: buildings such as supermarkets, retail stores, banks; and
5. Mixed Use Buildings in High Density Districts: buildings such as housing above commercial or other non-residential space.

Section 8.1 of the WTS Siting Guidelines further stipulates that the Planning Commission will not approve WTS applications for Preference 5 or below Location Sites unless the application describes (a) what publicly-used building, co-location site or other Preferred Location Sites are located within the geographic service area; (b) what good faith efforts and measures were taken to secure these more Preferred Locations, (c) explains why such efforts were unsuccessful; and (d) demonstrates that the location for the site is essential to meet demands in the geographic service area and the Applicant's citywide networks.

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

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

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

The Project Sponsor submitted an Alternative Site Analysis, which was evaluated by staff, and described the lack of available and feasible sites considered preferential. The Project site is not located immediately adjacent to residentially zoned sites.

7. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless facility is necessary to address coverage and capacity gaps, as the existing AT&T Mobility micro-facility (dual omni "whip" roof-mounted antennas approximately 100 feet away at 750 Columbus Avenue) is not able to provide sufficient coverage for voice services or meet network demands for 4G LTE data services. The network would operate in the 700 – 2,170 Megahertz (MHZ) bands, which are regulated by the Federal Communications Commission (FCC) and must comply with the FCC-adopted health and safety standards for electromagnetic radiation and radio frequency radiation.
8. **Radiofrequency (RF) Emissions:** The Project Sponsor retained Hammett & Edison, Inc., a radio engineering consulting firm, to prepare a report describing the expected RF emissions from the proposed facility. Pursuant to the *Guidelines*, the Department of

Public Health reviewed the report and determined that the proposed facility complies with the standards set forth in the Guidelines.

9. **Department of Public Health Review and Approval.** The proposed project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There are no antennas at the project site, however there are WTS facilities operated by AT&T, MetroPCS, and T-Mobile at 750 Columbus Avenue, which is approximately 100 feet away.

AT&T Mobility proposes to install nine panel antennas at the Project Site. The antennas will be mounted at a height of approximately 49 and 54 feet above the ground. The estimated ambient RF field from the proposed AT&T Mobility transmitters at ground level is calculated to be 0.023 mW/sq. cm., which is 2.4% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 58 feet and does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish, and Chinese. Workers should not have access to the area (19 feet) directly in front of the antenna while it is in operation.

10. **Coverage and Capacity Verification.** The maps, data, and conclusion provided by AT&T to demonstrate need for coverage and capacity have been determined by Hammett & Edison, and engineering consultant and independent third party to accurately represent the carrier's present and post-installation conclusions.
11. **Maintenance Schedule.** The proposed facility would operate without on-site staff but with a two-person maintenance crew visiting the property approximately once a month and on an as-needed basis to service and monitor the facility.
12. **Community Outreach.** Per the *Guidelines*, the Project Sponsor held a Community Outreach Meeting for the proposed project. The applicant held a community meeting at 6:00 p.m. on March 20, 2013 at the San Francisco Athletic Club, located at 1630 Stockton Street. No community members attended the meeting.
13. **Five-year plan:** Per the *Guidelines*, the Project Sponsor submitted an updated five-year plan, as required, in April 2013.
14. **Public Comment.** As of August 1, 2013, the Department has received no public comment on the proposed project.
15. **Planning Code Compliance.** The Commission finds that the Project is consistent with the relevant provisions of the Planning Code in the following manner:
  - A. **Use.** Per Planning Code Section 722.83, a Conditional Use authorization is required for the installation of Commercial Wireless Transmitting, Receiving or Relay Facility.

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

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

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

*The proposed project at 725 Greenwich Street is generally desirable and compatible with the surrounding neighborhood because the Project will not conflict with the existing uses of the property and will be designed to be compatible with the surrounding nature of the vicinity. The placement of antennas and related support and protection features are so located, designed, and treated architecturally to minimize their visibility from public places, to avoid intrusion into public vistas, avoid disruption of the architectural design integrity of buildings, insure harmony with the existing neighborhood character and promote public safety. The Project has been reviewed and determined to not cause the removal or alteration of any significant architectural features of the subject building.*

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

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

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

*The proposed project at 725 Greenwich Street is necessary in order to achieve sufficient street and in-building mobile phone coverage and data capacity. Recent drive tests in the subject area conducted by the AT&T Mobility Radio Frequency Engineering Team*

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

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

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

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

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

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

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

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

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

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

*Three of the antennas would be concealed from view by a screen wall. The six remaining antennas, would be painted to match the building and minimally shrouded on the rear of the antenna to remove the antenna mount and cabling from view. The proposed antennas and equipment will not affect landscaping, open space, parking, lighting or signage at the Project site or surrounding area.*

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

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

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

*The Project is consisted with the purpose of Neighborhood Commercial district in that the intended use is located on an existing building and would not alter the character of the building or surrounding area. Furthermore, the facility would not impact the primary use of the building which is currently vacant, but available for uses such as retail activities.*

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

## HOUSING ELEMENT

### BALANCE HOUSING CONSTRUCTION AND COMMUNITY INFRASTRUCTURE

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

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

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

*The Project will improve AT&T Mobility's coverage and capacity along the North Beach Commercial corridor (Columbus Avenue) and surrounding residential, commercial and recreational areas along a primary transportation route in San Francisco.*

## URBAN DESIGN

### HUMAN NEEDS

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

**POLICY 4.14** - Remove and obscure distracting and cluttering elements.

*Six of the nine proposed antennas will be adequately shrouded and painted to reduce their visual impact, thereby minimizing the possibility of introducing new elements considered distracting or cluttering. In addition, the varied building typology and presence of mature trees will minimize the visual impact of the new antennas from adjacent public rights-of-way. The remaining three antennas will be screened by a screen wall below the penthouse level, which will be painted and textured to match the building façade.*

## **COMMERCE AND INDUSTRY ELEMENT**

### **Objectives and Policies**

#### **OBJECTIVE 1:**

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

##### **Policy 1:**

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

##### **Policy 2:**

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

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

#### **OBJECTIVE 2:**

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

##### **Policy 1:**

Seek to retain existing commercial and industrial activity and to attract new such activity to the city.

##### **Policy 3:**

Maintain a favorable social and cultural climate in the city in order to enhance its attractiveness as a firm location.

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

#### **OBJECTIVE 4:**

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

**Policy 1:**

Maintain and enhance a favorable business climate in the City.

**Policy 2:**

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

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

**VISITOR TRADE**

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

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

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

**COMMUNITY SAFETY ELEMENT**

**Objectives and Policies**

**OBJECTIVE 3:**

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

**Policy 1:**

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

**Policy 2:**

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

**Policy 3:**

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

**Policy 4:**

Establish and maintain an adequate Emergency Operations Center.

**Policy 5:**

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

**Policy 6:**

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

*The Project would enhance the ability of the City to protect both life and property from the effects of a fire or natural disaster by providing communication services.*

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

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

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

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

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

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

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

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

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

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

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

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

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

- G. That landmarks and historic buildings be preserved.

*The subject site is not a landmark building, nor is the site located in a designated historic district. However, the building is considered a Known Historic Resource. Portions of the proposed Project, specifically the six minimally shrouded antennas, will be visible from select locations along adjacent public rights of way. However the placement and design of the antennas will not obscure or detract from other potentially significant buildings or views within the North Beach Neighborhood Commercial District.*

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

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

19. The Project is consistent with and would promote the general and specific purposes of the Code provided under Section 101.1(b) in that, as designed, the Project would contribute to the character and stability of the neighborhood and would constitute a beneficial development.
20. The Commission hereby finds that approval of the Determination of Compliance authorization would promote the health, safety and welfare of the City.

**DECISION**

The Commission, after carefully balancing the competing public and private interests, and based upon the Recitals and Findings set forth above, in accordance with the standards specified in the Code, hereby approves the Conditional Use authorization under Planning Code Sections 722.83 and 303 to install up to nine panel antennas on the rooftop, and associated equipment cabinets in the basement of the Project Site and as part of a wireless transmission network operated by AT&T Mobility on a Location Preference 6 (Limited Preference, Individual Neighborhood Commercial District) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within the North Beach Neighborhood Commercial Zoning, Geary Boulevard Formula Retail Eating and Drinking Subdistrict, and 40-X Height and Bulk District and subject to the conditions of approval attached hereto as **Exhibit A**.

**APPEAL AND EFFECTIVE DATE OF MOTION:** Any aggrieved person may appeal this conditional use authorization to the Board of Supervisors within thirty (30) days after the date of this Motion No. 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 **August 8, 2013**.

JONAS P. IONIN  
Acting Commission Secretary

AYES  
NAYS:

ABSENT:

ADOPTED: August 8, 2013

## EXHIBIT A

### AUTHORIZATION

This authorization is for a Conditional Use Authorization under Planning Code Sections 722.83 and 303 to install a wireless telecommunications services facility consisting of up to nine panel antennas on the rooftop, and associated equipment cabinets in the basement of the Project Site, as part of a wireless transmission network operated by AT&T Mobility on a Location Preference 6 (Limited Preference, Individual Neighborhood Commercial District) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within the North Beach Neighborhood Commercial Zoning, Geary Boulevard Formula Retail Eating and Drinking Subdistrict, and 40-X Height and Bulk District.

### RECORDATION OF CONDITIONS OF APPROVAL

Prior to the issuance of the building permit or commencement of use for the Project the Zoning Administrator shall approve and order the recordation of a Notice in the Official Records of the Recorder of the City and County of San Francisco for the subject property. This Notice shall state that the Project is subject to the conditions of approval contained herein and reviewed and approved by the Planning Commission on **August 8, 2013** under Motion No. xxxxx.

### PRINTING OF CONDITIONS OF APPROVAL ON PLANS

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

### SEVERABILITY

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

### CHANGES AND MODIFICATIONS

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

## Conditions of Approval, Compliance, Monitoring, and Reporting

### PERFORMANCE

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

*For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, [www.sf-planning.org](http://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](http://www.sf-planning.org).*

### DESIGN – COMPLIANCE AT PLAN STAGE

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

*For information about compliance, contact the Case Planner, Planning Department at 415-575-6378, [www.sf-planning.org](http://www.sf-planning.org).*

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

*For information about compliance, contact the Case Planner, Planning Department at 415-575-6378, [www.sf-planning.org](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.sf-planning.org)*

15. **Out of Service – WTS.** The Project Sponsor or Property Owner shall remove antennas and equipment that has been out of service or otherwise abandoned for a continuous period of six months.

*For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, [www.sf-planning.org](http://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](http://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](http://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

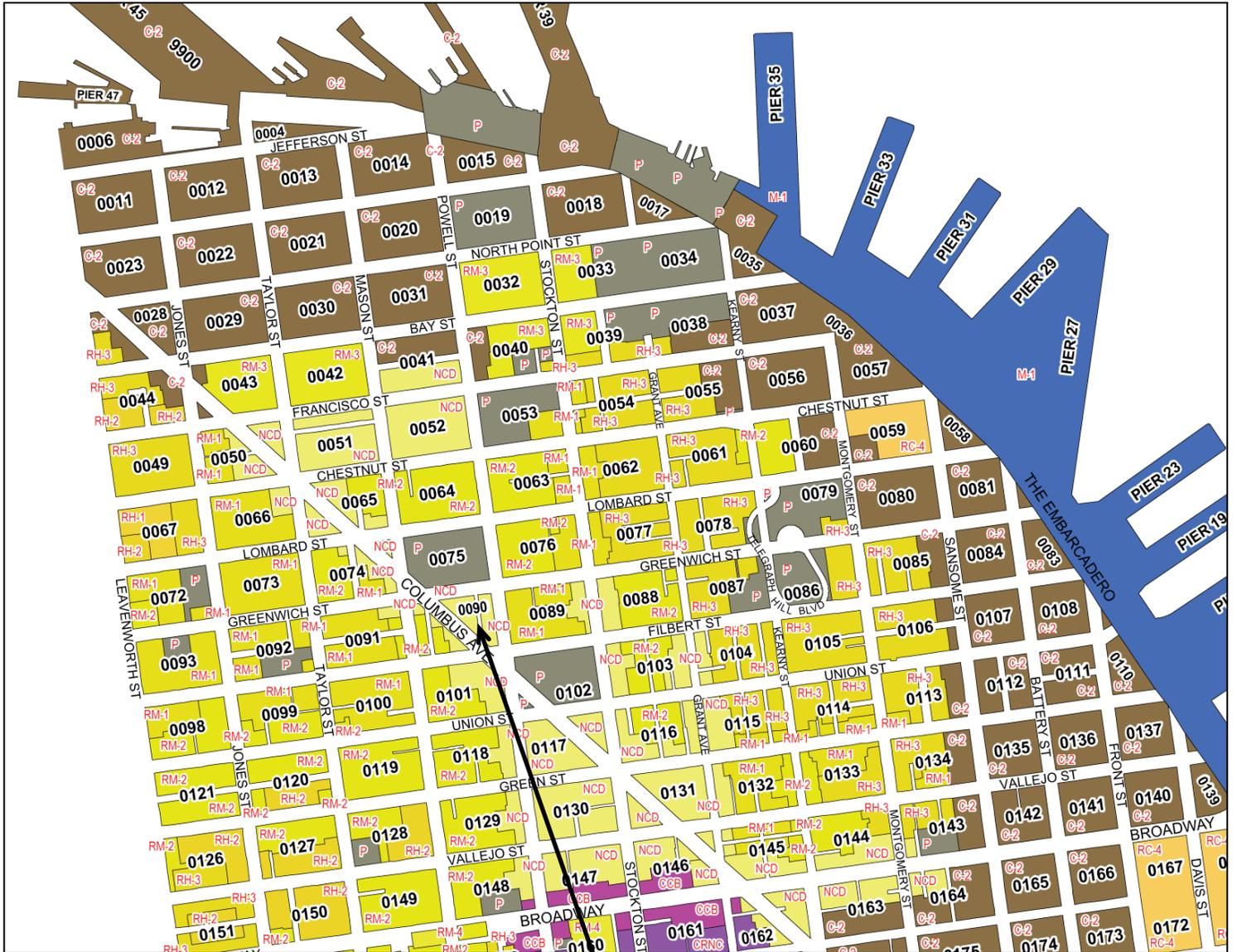
provided that such transfer is made known to the Zoning Administrator in advance of such operation, and all conditions of approval for the subject installation are carried out by the new carrier/provider.

*For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, [www.sf-planning.org](http://www.sf-planning.org)*

19. **Compatibility with City Emergency Services – WTS.** The facility shall not be operated or caused to transmit on or adjacent to any radio frequencies licensed to the City for emergency telecommunication services such that the City's emergency telecommunications system experiences interference, unless prior approval for such has been granted in writing by the City.

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

# Zoning Map



**SUBJECT PROPERTY**



Case Number 2012.1400C  
AT&T Mobility Macro WTS Facility  
725 Greenwich Street

# Aerial Photo



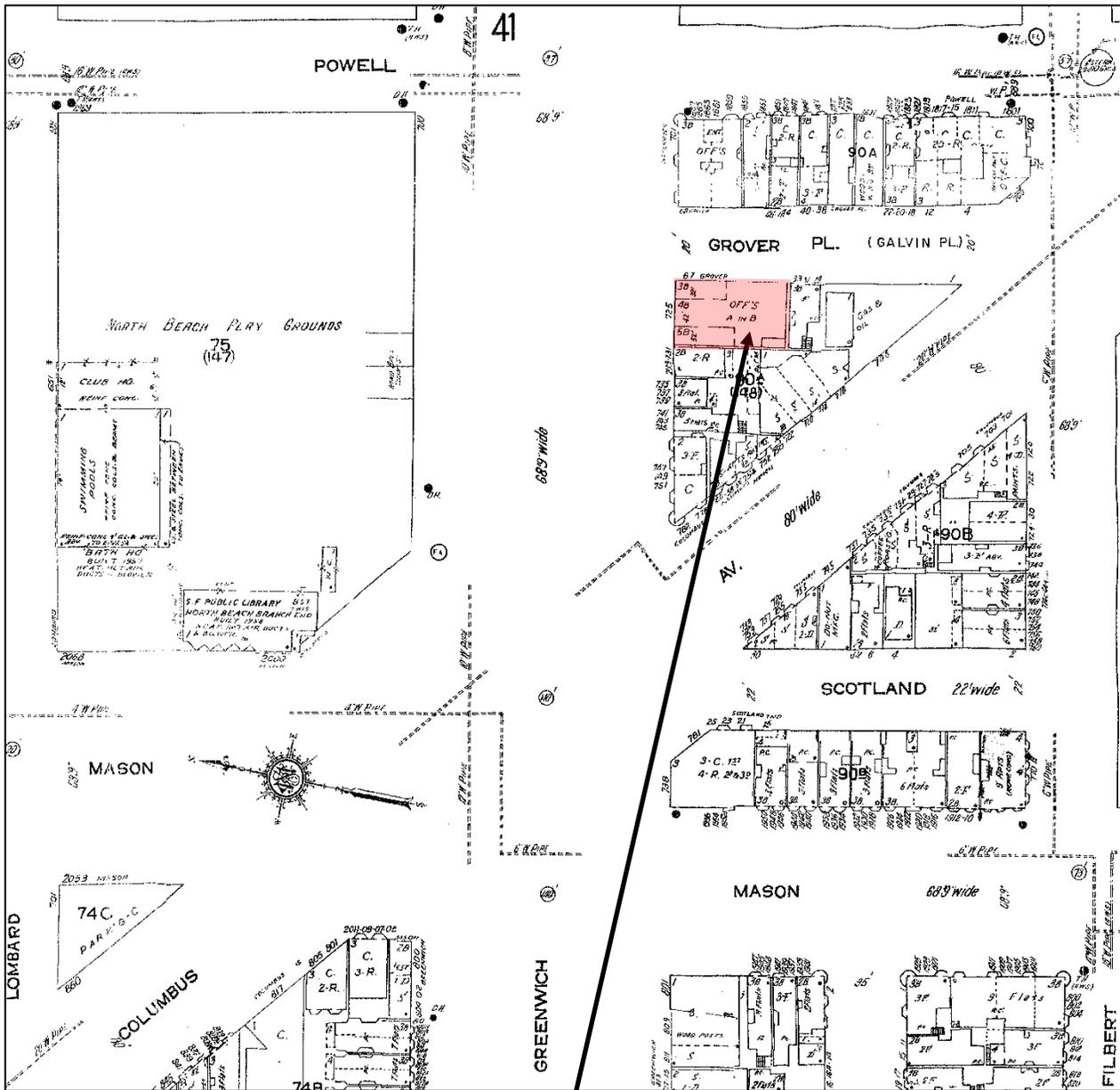
SUBJECT PROPERTY



Case Number 2012.1400C  
AT&T Mobility Macro WTS Facility  
725 Greenwich Street



# Sanborn Map\*



**SUBJECT PROPERTY**



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

**Case Number 2012.1400C**  
 AT&T Mobility Macro WTS Facility  
 725 Greenwich Street

**G. Contextual Photographs**

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



Subject Site



Looking West from site along Greenwich St.



Looking directly across Subject Site



Looking East along Greenwich St.



Looking South along Grover Place adjacent to Site



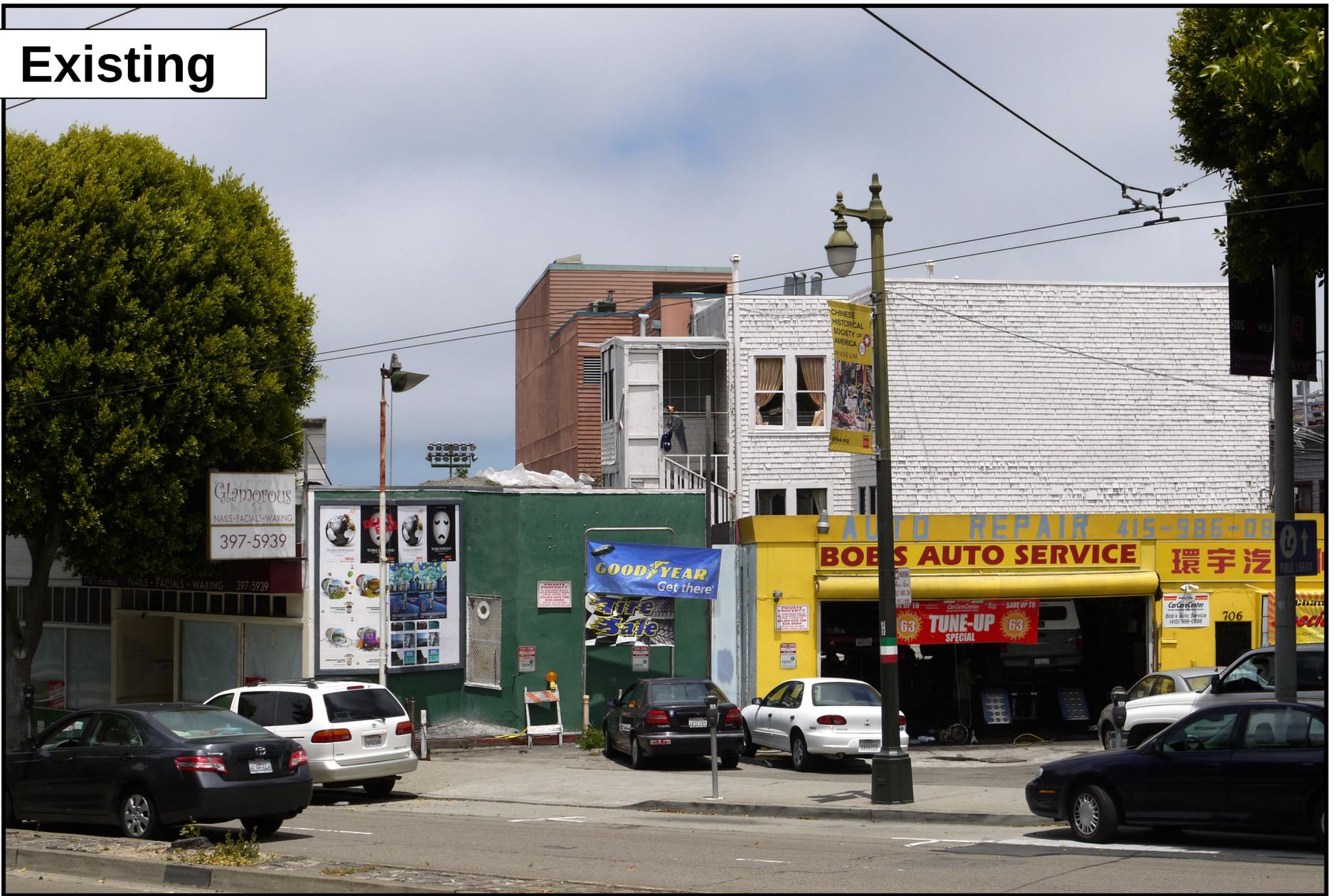
Looking West along Columbus Avenue



Looking North along Grove Place



# Existing

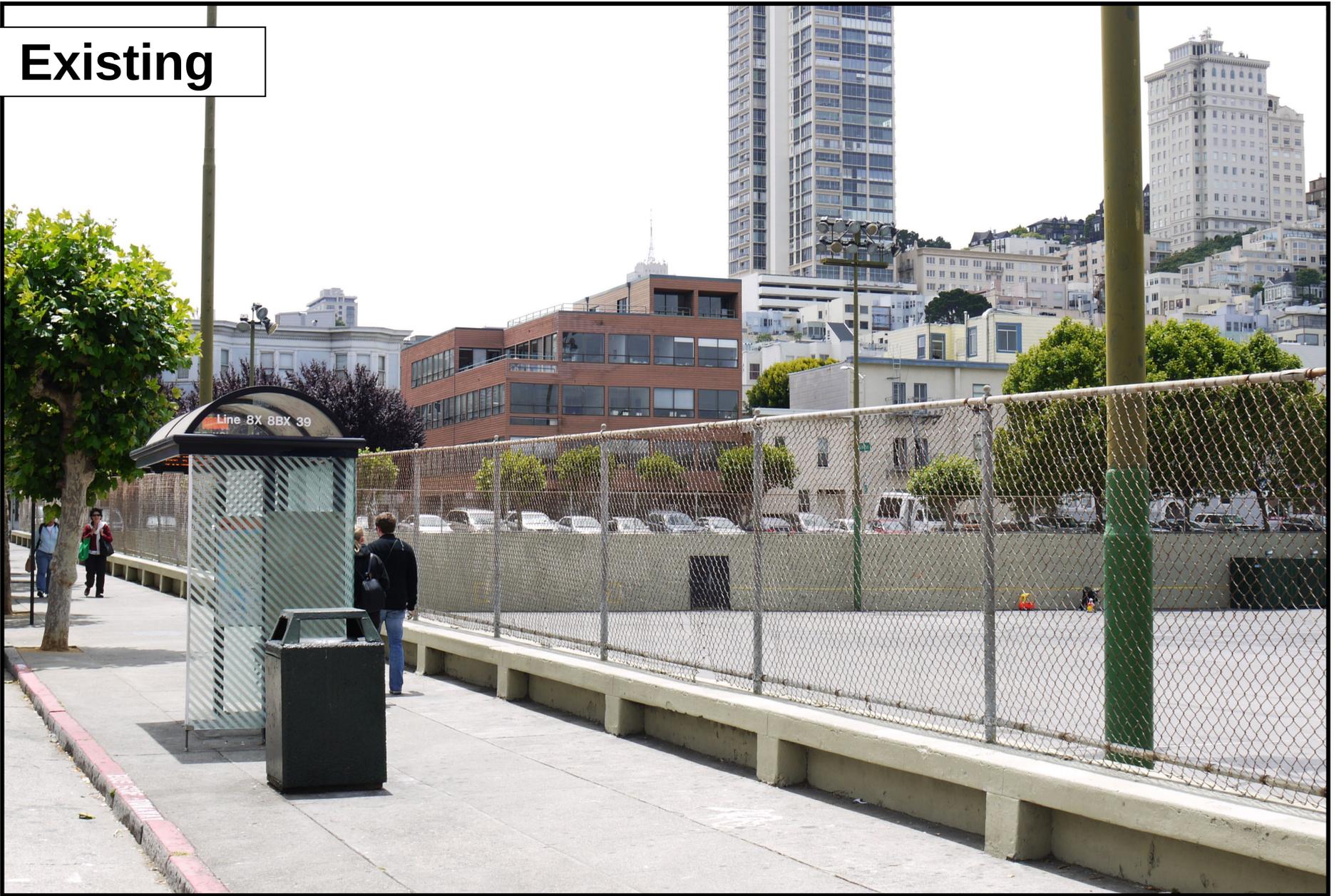


# Proposed

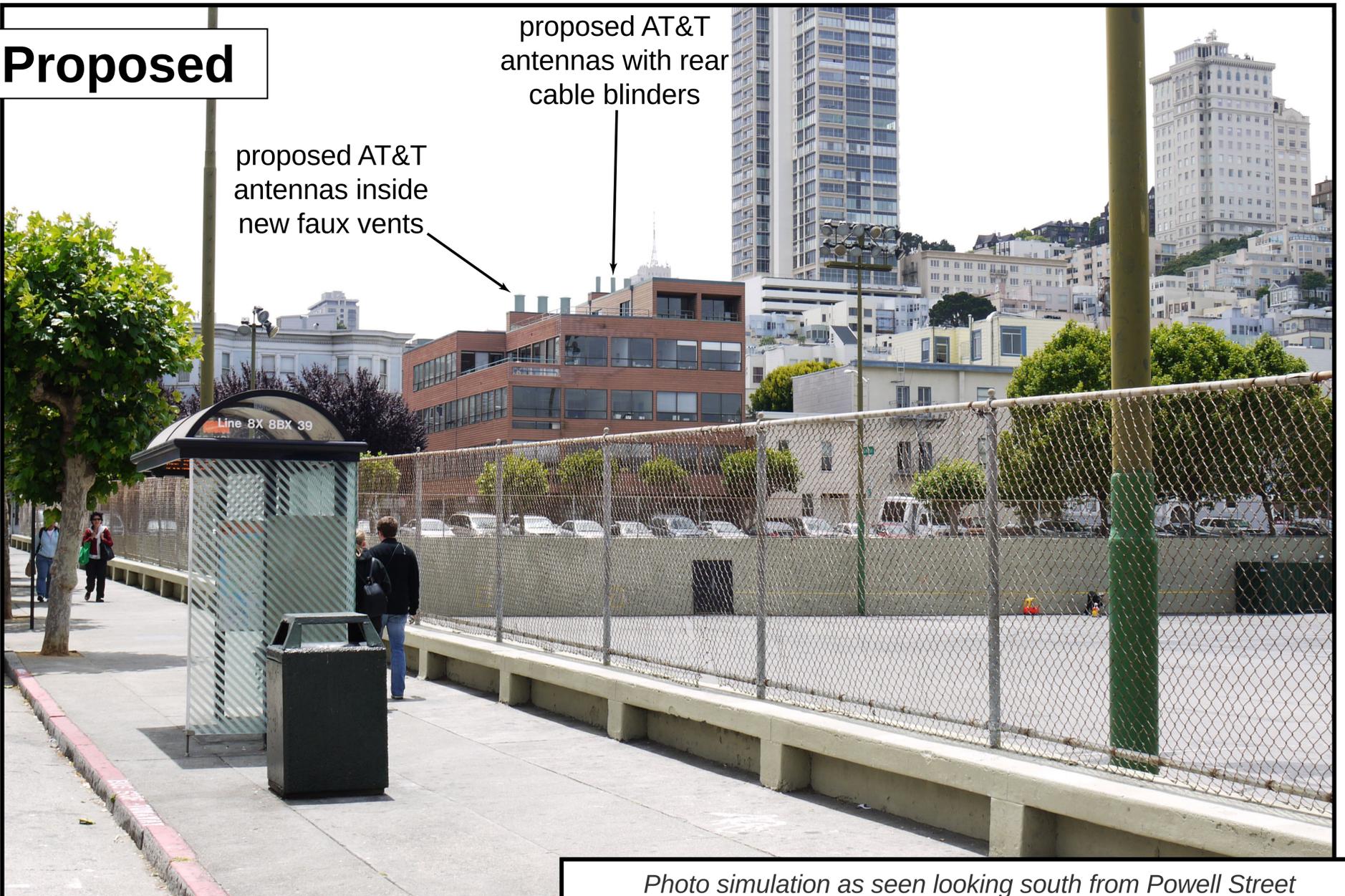


Photo simulation as seen looking north from Columbus Avenue

# Existing



# Proposed



*Photo simulation as seen looking south from Powell Street*

# Existing



# Proposed



Photo simulation as seen looking northeast from Columbus Avenue

**AT&T Mobility • Proposed Base Station (Site No. CC4942)  
725 Greenwich 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. CC4942) proposed to be located at 725 Greenwich 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 <sup>2</sup>	1.00 mW/cm <sup>2</sup>
BRS (Broadband Radio)	2,600	5.00	1.00
AWS (Advanced Wireless)	2,100	5.00	1.00
PCS (Personal Communication)	1,950	5.00	1.00
Cellular	870	2.90	0.58
SMR (Specialized Mobile Radio)	855	2.85	0.57
700 MHz	700	2.40	0.48
[most restrictive frequency range]	30–300	1.00	0.20

The site was visited by the undersigned engineer, during normal business hours on September 28, 2012, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by TRK Engineering, Ltd., dated May 14, 2012.

**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. The measurement equipment used was a Wandel & Goltermann Type EMR-300 Radiation Meter with Type 18 Isotropic Electric Field Probe (Serial No. C-0010). The meter and probe were under current calibration by the manufacturer.

*2. The location of all approved (but not installed) antennas and facilities. Expected RF levels from approved antennas.*

No other WTS facilities are reported to be approved for this site but not installed.



**AT&T Mobility • Proposed Base Station (Site No. CC4942)  
725 Greenwich Street • San Francisco, California**

3. The number and types of WTS within 100 feet of proposed site and estimates of additive EMR emissions at proposed site.

Located on the roof of the building at 750 Columbus Avenue, about 60 feet away, are antennas for use by AT&T, MetroPCS, and T-Mobile. The contribution of those carriers to the RF levels at the proposed site are reflected in the measurements reported in Item 1 above.

4. Location (and number) of Applicant's antennas and back-up facilities per building and location (and number) of other WTS at site.

AT&T proposes to install nine Andrew directional panel antennas – six Model SBNH-1D6565A and three Model TBXLHB-6565A-R2M – above the roof of the four-story commercial building located at 725 Greenwich Street. Six antennas would be installed within individual cylindrical enclosures, configured to resemble vents – three on the main roof and three on the penthouse roof. The other antennas would be installed behind a new view screen above the west side of the main roof of the building. The nine antennas would be mounted with up to 6° downtilt at effective heights of about 48½ and 54½ feet above ground, 7 and 13 feet above the main roof, and would be oriented in identical 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 7,460 watts, representing simultaneous operation at 5,710 watts for PCS, 1,000 watts for cellular, and 750 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 to the east and south, located at least 30 feet away.

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

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation is calculated to be 0.023 mW/cm<sup>2</sup>, which is 2.4% of the applicable public exposure limit. Cumulative RF levels at ground near the site are therefore estimated to be below 3.4% of the limit. RF exposure levels at the nearby buildings, including at the similar height buildings to the east and south



**AT&T Mobility • Proposed Base Station (Site No. CC4942)**  
**725 Greenwich Street • San Francisco, California**

are calculated to be less than the public exposure limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 58 feet out from the antenna faces and to much lesser distances above, below, and to the sides; this includes areas of the roof of the penthouse and 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 a barricade be erected, as shown in Figure 1, to preclude public access near the antennas on the main roof. To prevent occupational exposures in excess of the FCC guidelines, no access within 19 feet directly in front of the antennas themselves, such as might occur during maintenance work on the roof, should be allowed while the base station is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Marking “Prohibited Access Areas” with red paint stripes and “Worker Notification Areas” with yellow paint stripes on the roof of the building and on the roof of the penthouse in front of the antennas, as shown in Figure 1, and posting explanatory warning signs\* at the roof access door, on the antenna enclosures, on the screen in front of the antennas, and at the antennas, such that the signs would be readily visible from any angle of approach to persons who might need to work within that distance, would be sufficient to meet FCC-adopted guidelines.

*10. Statement of authorship.*

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration No. E-18063, which expires on June 30, 2015. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

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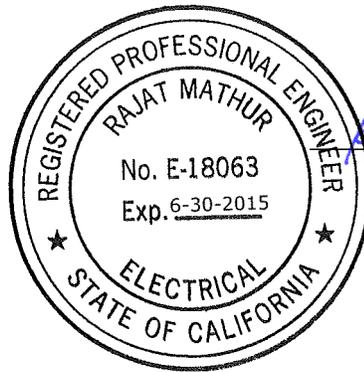
\* Warning signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (e.g., a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter; the San Francisco Department of Public Health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



**AT&T Mobility • Proposed Base Station (Site No. CC4942)  
725 Greenwich Street • San Francisco, California**

**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 725 Greenwich 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 less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Erecting a barricade is recommended to establish compliance with public exposure limitations; marking roof areas and posting explanatory signs is recommended to establish compliance with occupational exposure limitations.



*Rajat Mathur*  
Rajat Mathur, P.E.  
707/996-5200

July 10, 2013

AT&T Mobility • Proposed Base Station (Site No. CC4942)  
725 Greenwich Street • San Francisco, California

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





**Review of Cellular Antenna Site Proposals**

**Project Sponsor :** AT&T Wireless **Planner:** Omar Masry  
**RF Engineer Consultant:** Hammett and Edison **Phone Number:** (707) 996-5200  
**Project Address/Location:** 725 Greenwich St  
**Site ID:** 1681 **SiteNo.:** CNU4942

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: 7460 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: 7460 watts.
- X 7. Preferred method of attachment of proposed antenna (roof, wall mounted, monopole) with plot or roof plan. Show directionality of antennas. Indicate height above roof level. Discuss nearby inhabited buildings (particularly in direction of antennas) (WTS-FSG, Section 10.41d)
- X 8. Report estimated ambient radio frequency fields for the proposed site (identify the three-dimensional perimeter where the FCC standards are exceeded.) (WTS-FSG, Section 10.5) State FCC standard utilized and power density exposure level (i.e. 1986 NCRP, 200  $\mu\text{w}/\text{cm}^2$ )  
 Maximum RF Exposure: 0.023  $\text{mW}/\text{cm}^2$     Maximum RF Exposure Percent: 2.4
- X 9. Signage at the facility identifying all WTS equipment and safety precautions for people nearing the equipment as may be required by any applicable FCC-adopted standards. (WTS-FSG, Section 10.9.2). Discuss signage for those who speak languages other than English.  
 Public\_Exclusion\_Area    Public Exclusion In Feet: 58  
 Occupational\_Exclusion\_Area    Occupational Exclusion In Feet: 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 725 Greenwich Street. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There were observed similar antennas operated by AT&T, MetroPCS and T-Mobile located at 750 Columbus Avenue which is reportedly about 60 feet away from this location. AT&T Wireless proposes to install 9 new antennas. The antennas will be mounted at a height of between about 49 and 54 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 2.4 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 58 feet and includes portions of the penthouse roof but does not reach the main roof. Barricades should be installed to prevent public 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 within 19 feet of the front of the antennas while they are in operation. Worker prohibited access areas should be marked with red striping and worker notification areas with yellow 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

       <sup>1</sup> Hours spent reviewing

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

Signed: \_\_\_\_\_



Dated: 7/12/2013 \_\_\_\_\_

Patrick Fosdahl

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

AT&T MOBILITY CONDITIONAL USE PERMIT APPLICATION  
725 GREENWICH STREET

STATEMENT OF GORDON SPENCER

I served as AT&T's radio frequency engineer with respect to the proposed wireless communications facility at 725 Greenwich Street (the "Property"). Based on my personal knowledge of the Property and with AT&T's wireless network, as well as my review of AT&T's records with respect to the Property and its wireless telecommunications facilities in the surrounding area, I have concluded that the work associated with this permit request is needed to close a significant service coverage gap in the area roughly bordered by Lombard, Union and Taylor Streets and Tuscany Alley. As explained below, the service coverage gap is caused by obsolete and inadequate infrastructure along with increased use of wireless broadband services (3G Smartphone) in the area.

AT&T installed the existing wireless equipment years ago as an accessory use to the nearby Property at 750-760 Columbus Avenue. This site was never designed to provide service coverage for the surrounding area, and the coverage provided beyond the Property is not sufficient. AT&T seeks to replace the existing infrastructure because the following limitations cause quality of service issues, which are exacerbated with increased usage. First, the existing antennas cannot be down-tilted and, as a result, tend to over propagate along intersecting streets. This causes downlink interference to mobile devices that are connected to other sites. The new antennas may be down-tilted and remedy this problem.

Second, the existing equipment does not have uplink diversity, which causes mobile devices connected to this site to transmit at a higher level. The higher level transmission causes increased noise that saturates the uplink for both this site and on surrounding sites. This, in turn, leads to mobile devices connected to other sites increasing their power to overcome the high uplink noise level, which cause the same noise issues described below as sites that experience service coverage gaps during high demand periods. The new equipment addresses this problem because it has uplink diversity.

Third, the existing antennas are too low to the ground and, as a result, do not provide acceptable in-building coverage beyond the buildings they are near and do not provide acceptable coverage on adjacent streets. The new antennas are higher and, combined with the ability to be down-tilted, will provide broader service coverage, especially in-building coverage. As explained further in Exhibit 1, AT&T's existing facilities cannot adequately serve its customers in the desired area of coverage, let alone address rapidly increasing data usage. Although there is reasonable outdoor signal strength in the area, coverage indoors is weak and the quality of service overall is unacceptable.

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

Exhibit 2 to this Statement is a map of existing service coverage (without the proposed installation at the Property) in the area at issue. It includes service coverage provided by existing AT&T sites. The green shaded areas depict areas within a Signal-to-Noise range that provide acceptable service coverage even during high demand periods. Thus, based upon current usage, customers are able to initiate and complete voice or data calls either outdoors or most indoor areas at any time of the day, independent of the number of users on the network. The yellow

shaded cross-hatched areas depict areas within a Signal-to-Noise range that results in a service coverage gap during high demand periods. In this area, severe service interruptions occur during periods of high usage, but reliable and uninterrupted service may be available during low demand periods. The pink shaded areas depict areas within a Signal-to-Noise range where there is a service coverage gap at all times, especially indoors. The availability of reliable and uninterrupted voice and data service in all three of these areas can depend greatly upon whether a particular user is indoors, outdoors, stationary, or in transit. Under AT&T's wireless customer service standards, any area in the pink or yellow cross-hatched category is considered inadequate service coverage and constitutes a service coverage gap.

Exhibit 3 to this Statement depicts the current actual voice and data usage in the immediate area. In actuality, the service coverage footprint is constantly changing; wireless engineers call it "cell breathing" and during high usage periods, as depicted in the chart, the service coverage gap increases substantially. The time periods for which service is not available under highest usage conditions (as depicted in the yellow shaded cross-hatched area in Exhibit 2) is significant. Based upon my review of the maps and the usage data, it is my opinion that the service coverage gap is significant.

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

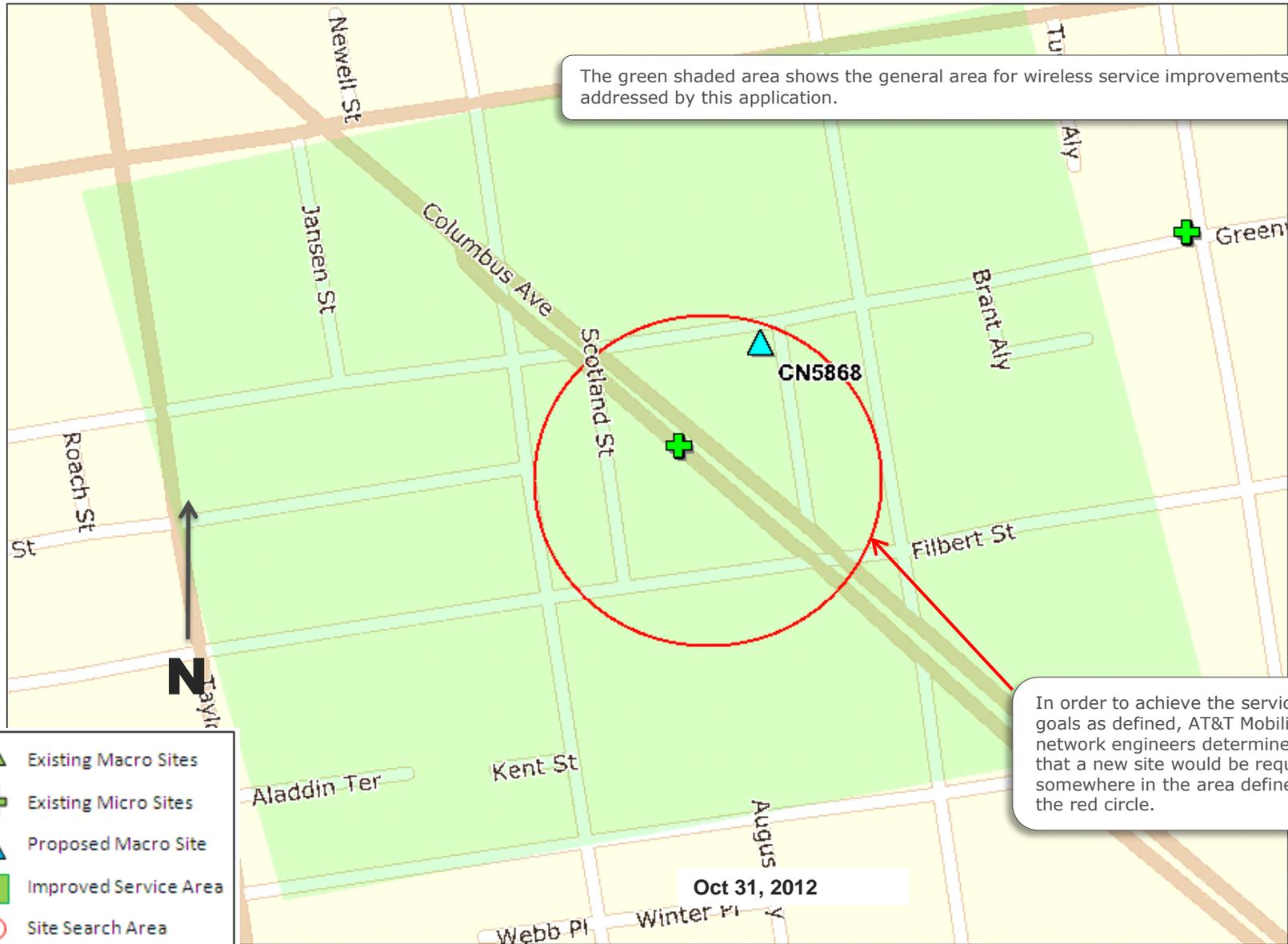
I have a Masters Degree in Electrical Engineering from the University of California (UCLA) and have worked as an engineering expert in the Wireless Communications Industry for over 25 years.

  
\_\_\_\_\_  
Gordon Spencer

November 7, 2011

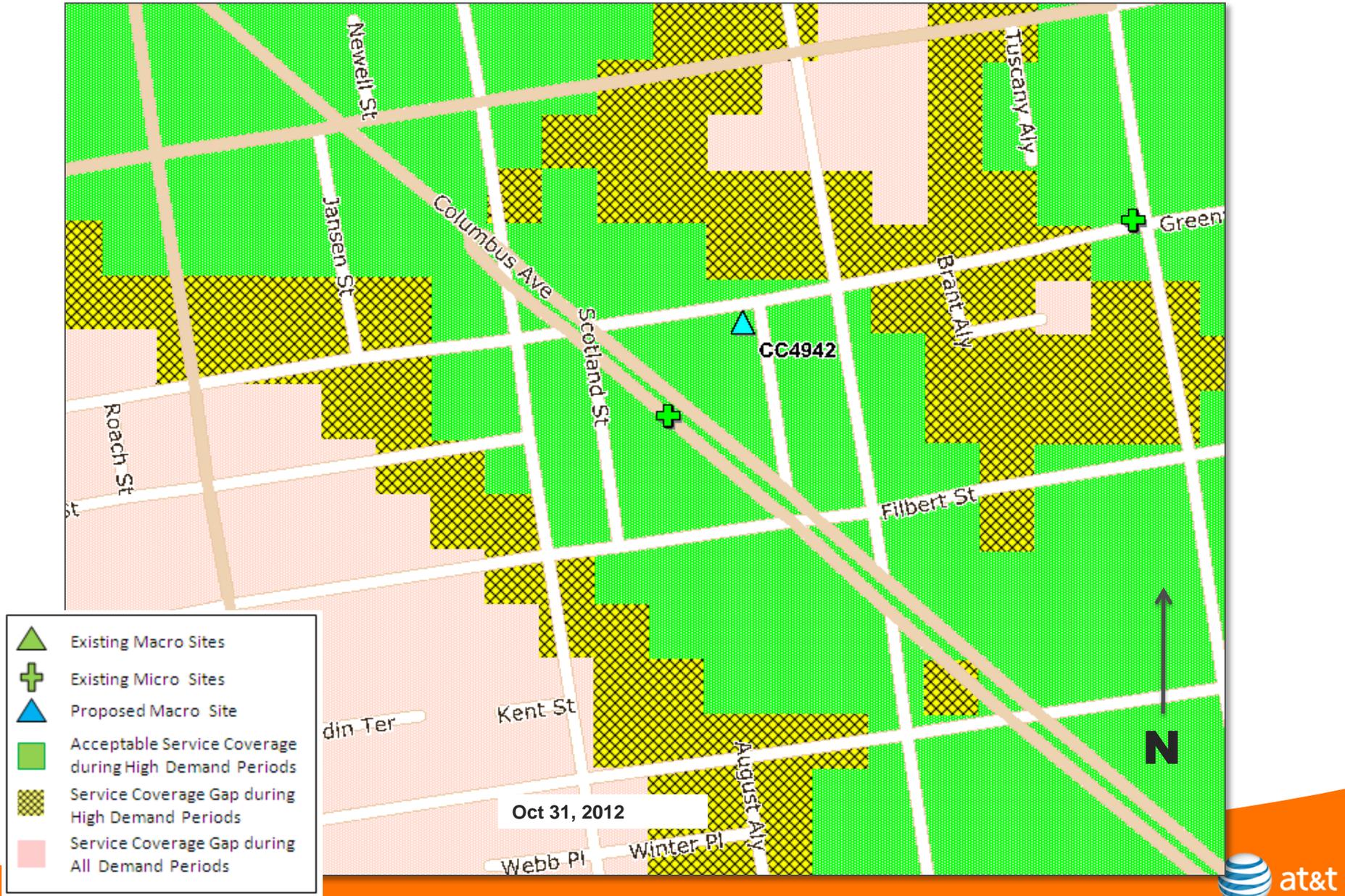
# Service Improvement Objective (CC4942)

## 725 Greenwich St



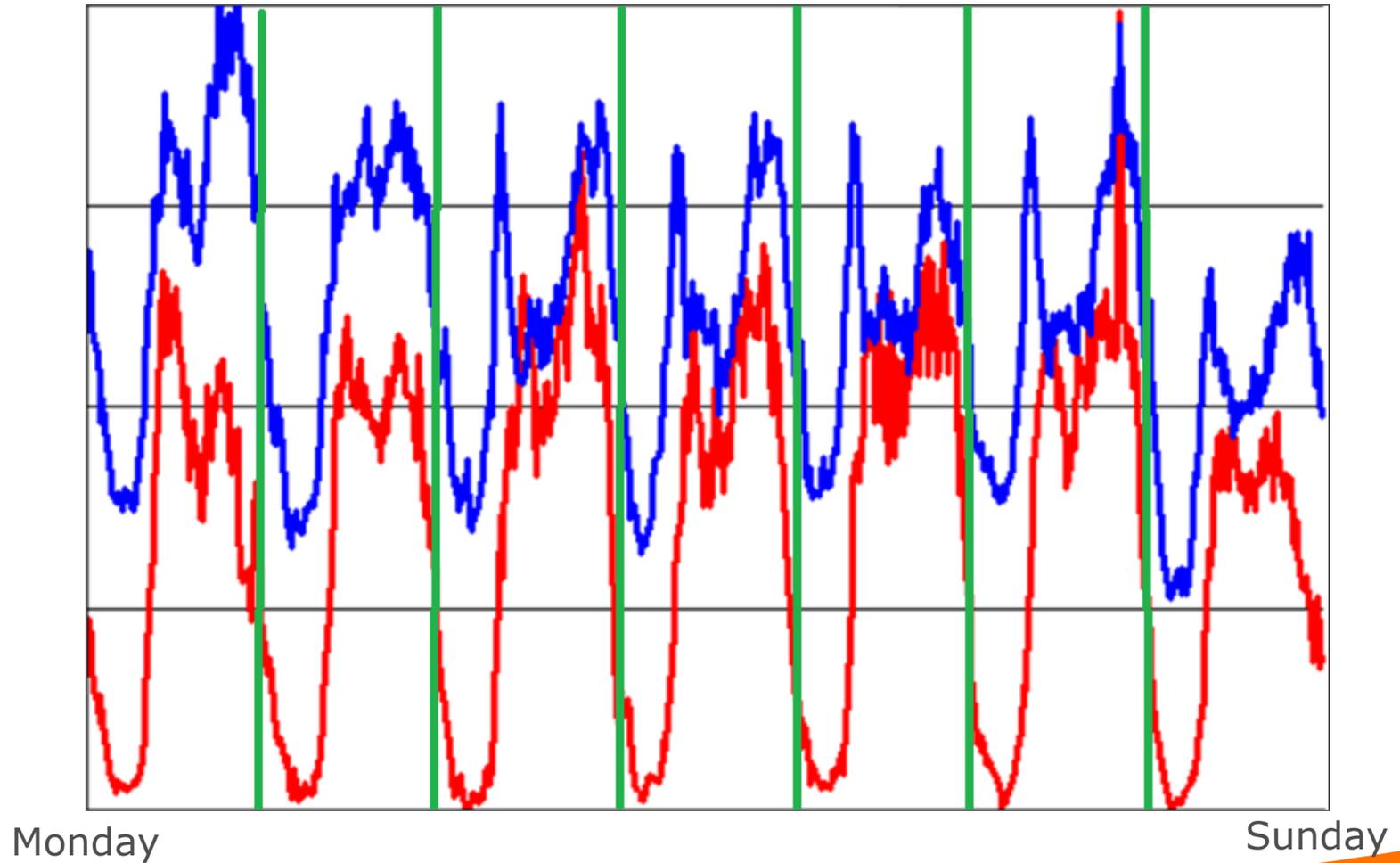
# Exhibit 2 - Proposed Site at 725 Greenwich St (CC4942)

Service Area BEFORE site is constructed

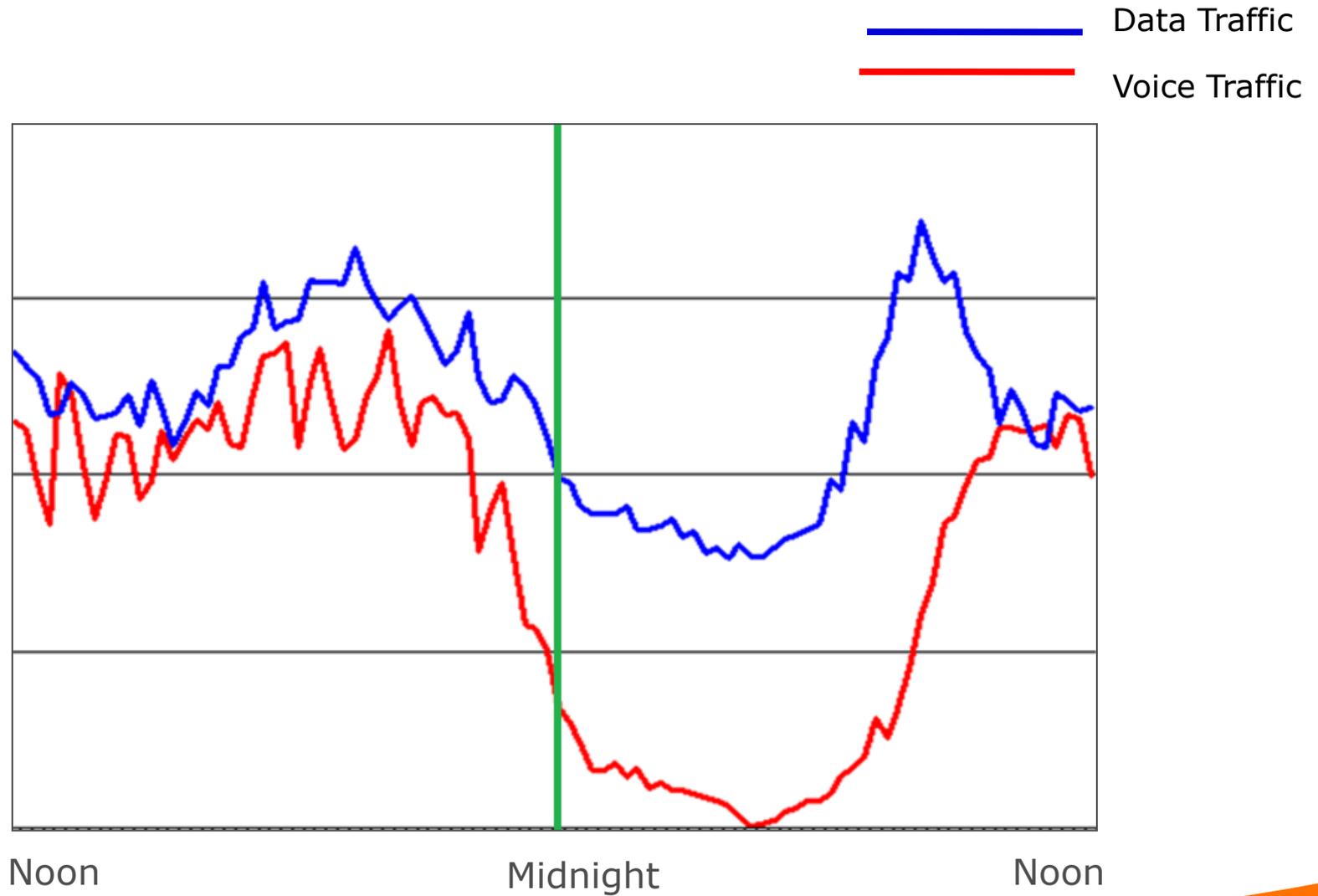


# Exhibit 3 - Current 7-Day Traffic Profile for the Location of CC4942

— Data Traffic  
— Voice Traffic

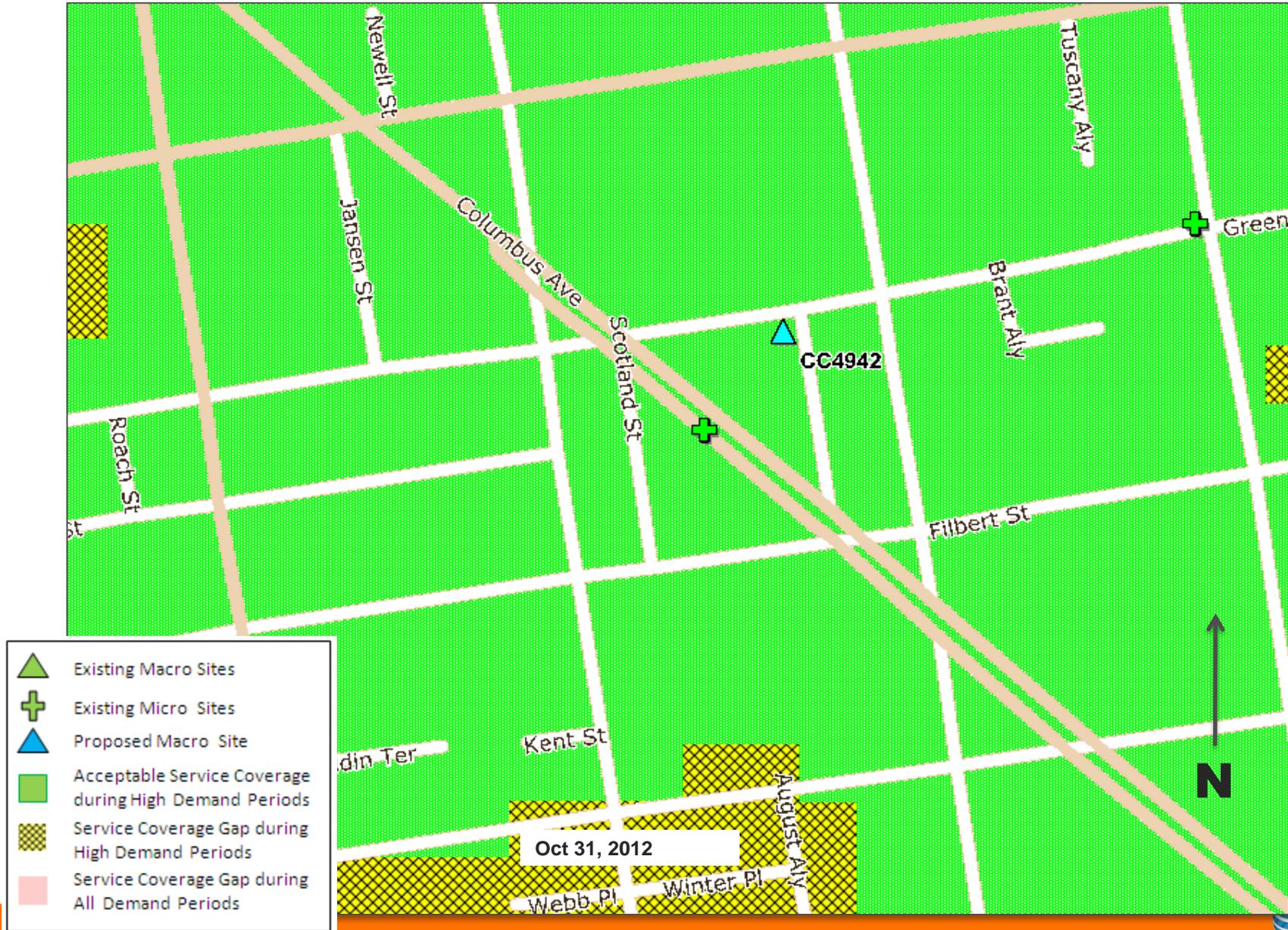


# Exhibit 3 - Current 24-Hour Traffic Profile for the Location of CC4942



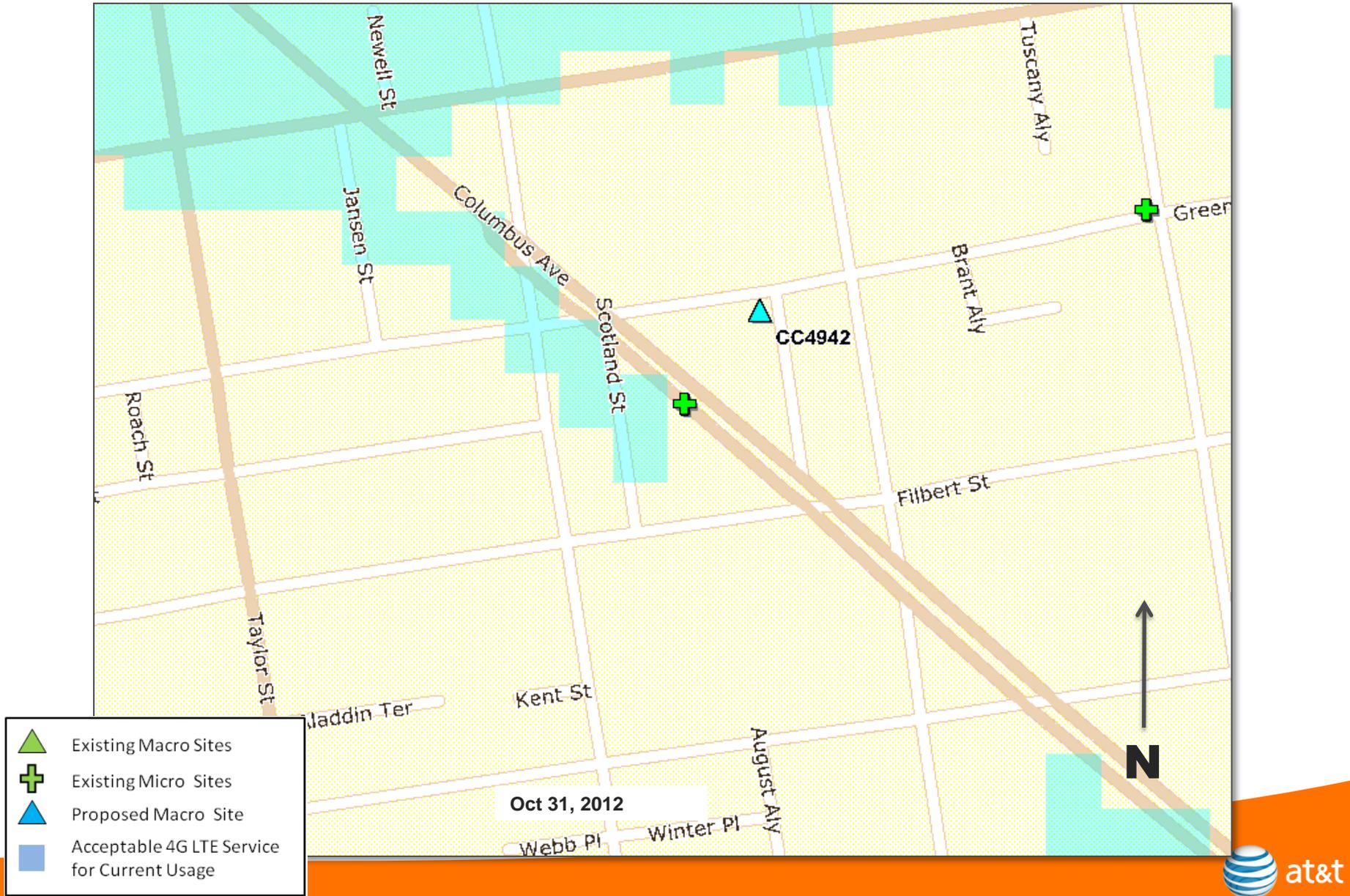
# Exhibit 4 - Proposed Site at 725 Greenwich St (CC4942)

Service Area AFTER site is constructed



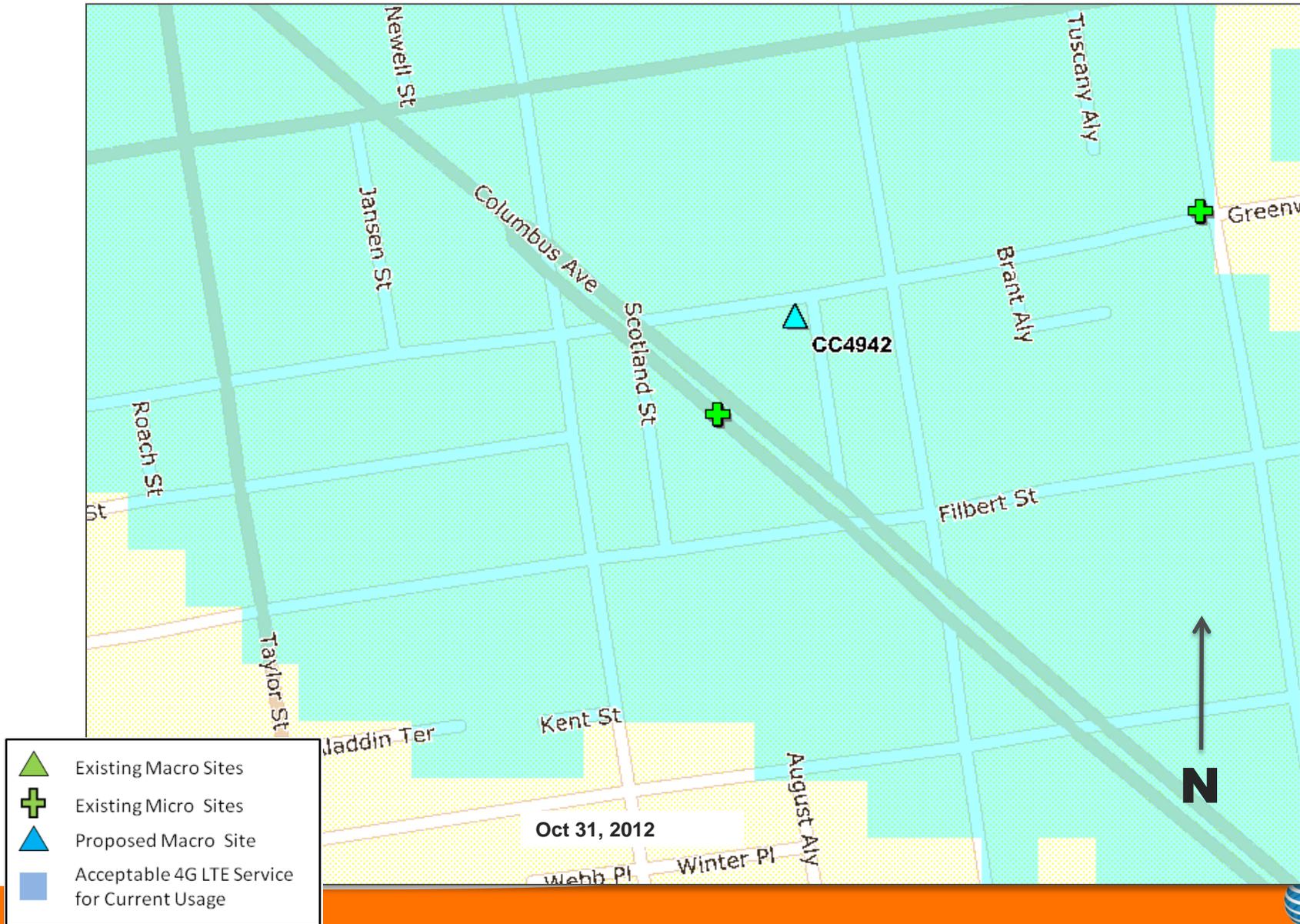
# Exhibit 5 - Proposed Site at 725 Greenwich St (CC4942)

4G LTE Service Area BEFORE site is constructed



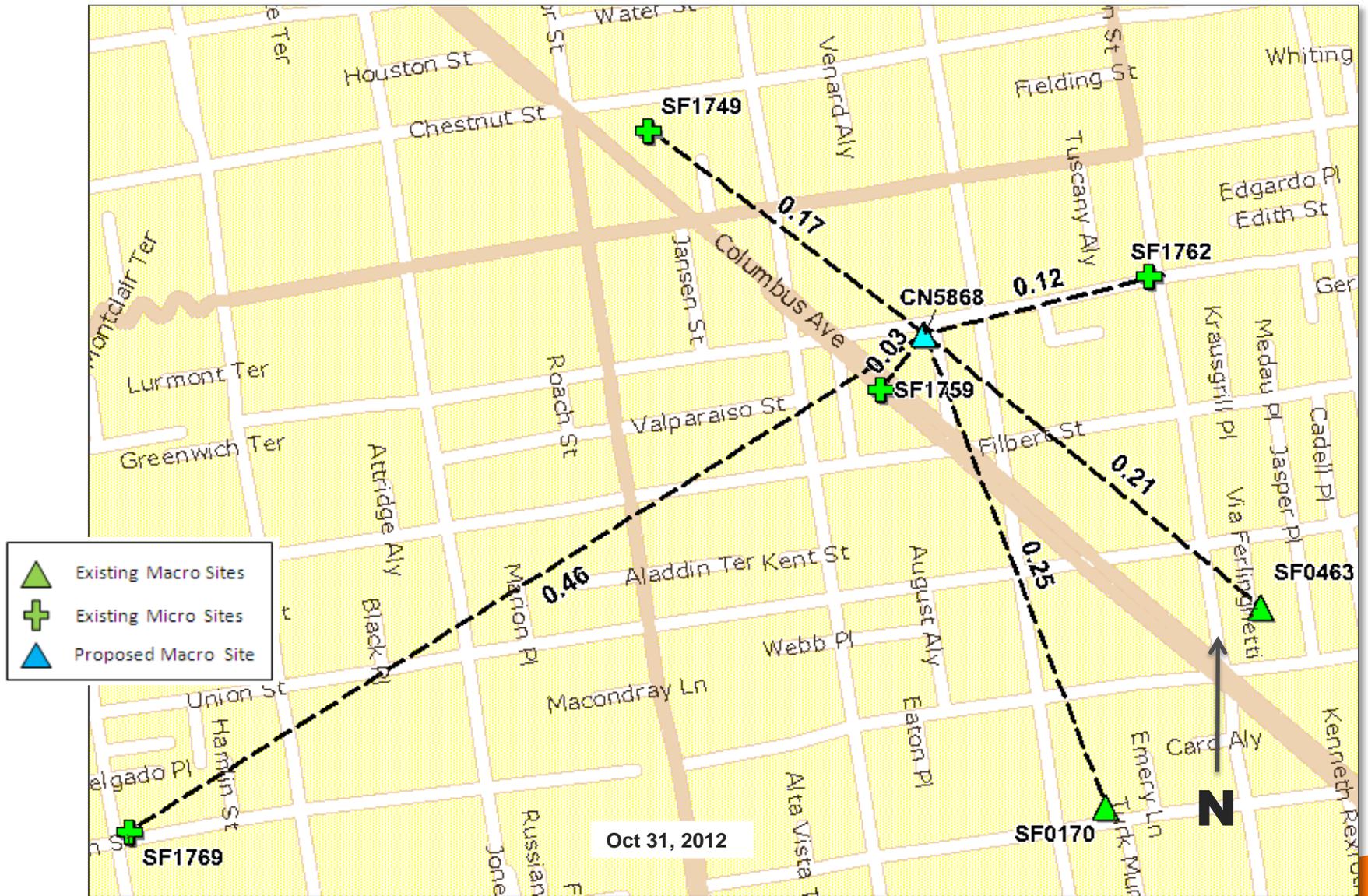
# Exhibit 6 - Proposed Site at 725 Greenwich St (CC4942)

4G LTE Service Area AFTER site is constructed



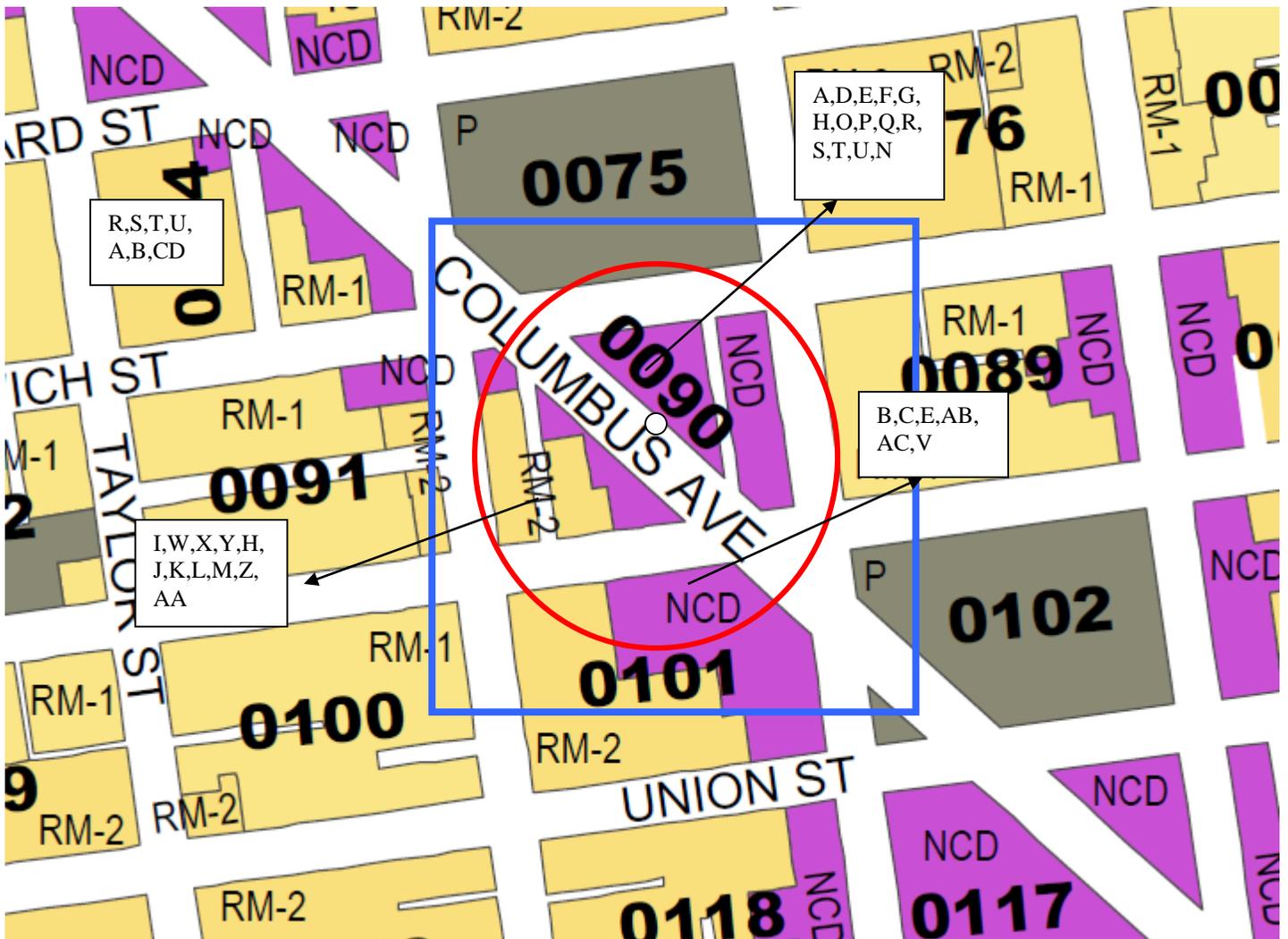
# Existing Surrounding Sites at 725 Greenwich St

CC4942



### Alternative Locations Evaluated

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



- Service Area 
- Search Area 
- Subject Site 

## Alternative Site Locations Summary

	Location	Block / Lot	Zoning District	Building Type	WTS Siting Preference
A	661 Lombard St	0075/001-002	P	Park	1
B	No Address	0102/001	P	Park	1
C	1800 Powell St	0089/018	RM-1	Parking Garage	1
D	750-760 Columbus	0090/028	NCD	Mixed Use	6
E	721-725 Columbus	0101/031	NCD	Commercial	6
F	706 Columbus	0090/026	NCD	Commercial	6
G	716-720 Columbus	0090/027	NCD	Commercial	6
H	775-782 Columbus	0090/029	NCD	Mixed Use	6
I	783-785 Columbus	0090/033	NCD	Mixed Use	6
J	753-759 Columbus	0090/025	NCD	Mixed Use	6
K	745 Columbus	0090/024	NCD	Mixed Use	6
L	725-735 Columbus	0090/037	NCD	Mixed Use	6
M	701-709 Columbus	0090/038	NCD	Mixed Use	6
N	700 Columbus	0090/008	NCD	Mixed Use	6
O	701 Greenwich	0090/001	NCD	Mixed Use	6
P	1855 Powell	0090/002	NCD	Mixed Use	6
Q	1847-1851 Powell	0090/003	NCD	Mixed Use	6
R	1841-1845 Powell	0090/004	NCD	Mixed Use	6
S	1833-1837 Powell	0090/005	NCD	Mixed Use	6
T	1831 Powell	0090/006	NCD	Mixed Use	6
U	1823-1827 Powell	0090/007	NCD	Mixed Use	6
V	1854-1862 Mason	0101/024	RM-2	Mixed Use	6

W	1934-1950 Mason	0090/017018, 019	RM-2	Residential	7
X	1910-1926 Mason	0090/039-044, 014A	RM-2	Residential	7
Y	770 Filbert	0090/014	RM-2	Residential	7
Z	748-760 Filbert	0090/012,013	RM-2	Residential	7
AA	724-740 Filbert	0090/034,035	RM-2	Residential	7
AB	749-767 Filbert	0101/025,026,027	RM-2	Residential	7
AC	729-747 Filbert	0101/034-44,030	RM-2	Residential	7

## A. Locating a site and evaluation of alternative sites

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

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

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

### 1. Publicly-used structures:

Alternative Site Location A  
661 Lombard St



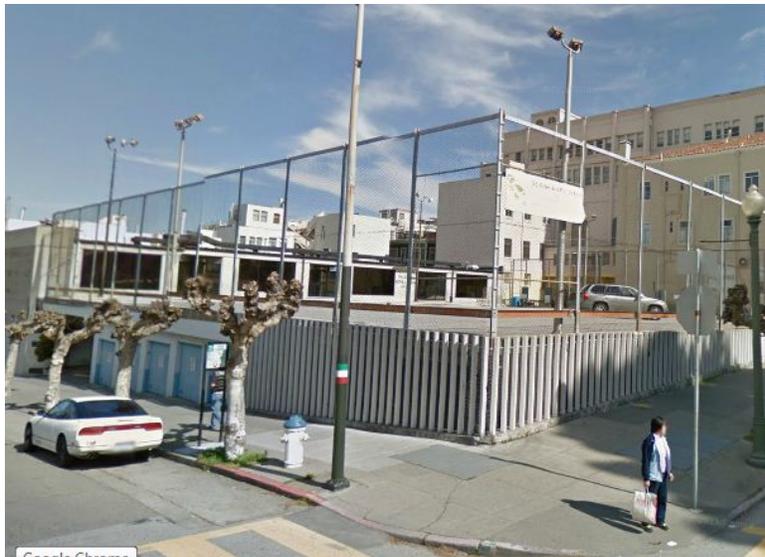
The Joe Dimaggio Playground at 661 Lombard Street is located within the P Public Zoning district, a Preference 1 Location according to the WTS Guidelines. There are no existing buildings tall enough to accommodate the proposed site.

Alternative Site Location B  
Washington Park



The Washington Square Park is located within the P Public Zoning district, a Preference 1 Location according to the WTS Guidelines. There are no existing buildings to accommodate the proposed site.

Alternative Site Location C  
1800 Powell St



The parking garage that is part of the adjacent church is located at 1800 Powell Street and is zoned RM-2 Residential Mixed Low Density Zoning district, a Preference 1

Location according to the WTS Guidelines. There are no existing buildings to accommodate the proposed site.

2. Co-Location Site:

Alternative Site Location D  
750-760 Columbus Avenue



The four-story mixed use building at 750-760 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 2 Location according to the WTS Guidelines. The building currently occupies two other wireless carriers including AT&T (micro facility). This site will be decommissioned once the site at 725 Greenwich is on air. A design for the macrofacility could not be accomplished for this site.

6. Limited Preference Sites:

Alternative Site Location E  
721-725 Columbus Avenue



The two-story auto repair building at 721-725 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The two-story building does not provide the necessary height to the proposed service coverage area.

Alternative Site Location F  
706 Columbus Avenue



The one-story auto repair building at 706 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The one-story building does not provide the necessary height to the proposed service coverage area.

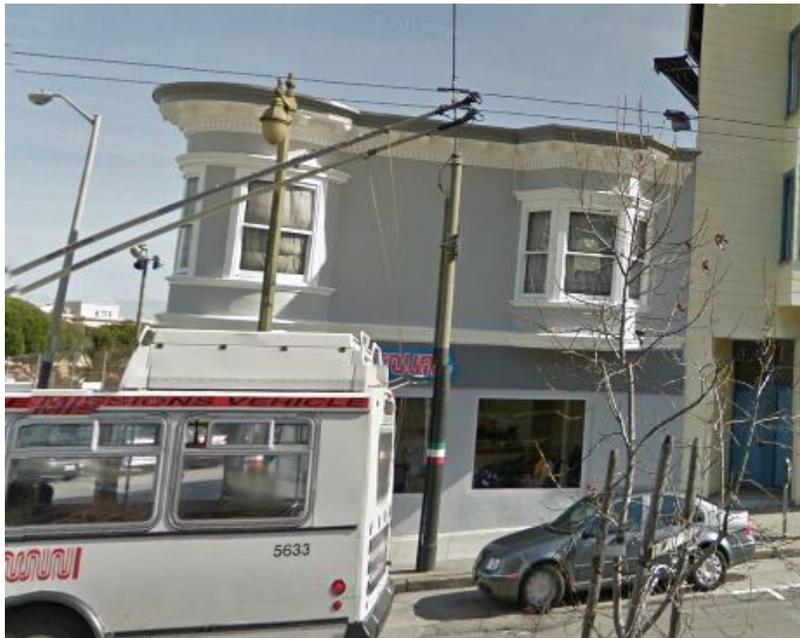
Alternative Site Location G

716-720 Columbus Avenue



The one-story commercial building at 716-720 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The one-story building does not provide the necessary height to the proposed service coverage area.

Alternative Site Location H  
775-782 Columbus Avenue



The two-story mixed use building at 775-782 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The two-story building does not provide the necessary height to the proposed service coverage area.



Alternative Site Location I  
783-785 Columbus Avenue



The three-story mixed use building at 783-785 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The adjacent four story building directly to the east would block the necessary coverage to the east. Also the subject site is an office building with no residential units.

Alternative Site Location J  
753-759 Columbus Avenue



The two-story mixed use building at 753-759 Columbus Avenue is located within the

NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The two-story building does not provide the necessary height to the proposed service coverage area.

Alternative Site Location K  
745 Columbus Avenue



The one-story commercial building at 745 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The one-story building does not provide the necessary height to the proposed service coverage area.

Alternative Site Location L  
725-735 Columbus Avenue



The two-story mixed use building at 725-735 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The two-story building does not provide the necessary height to the proposed service coverage area.



Alternative Site Location M  
701-709 Columbus Avenue



The two-story mixed use building at 701-709 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The two-story building does not provide the necessary height to the proposed service coverage area.

Alternative Site Location N  
700 Columbus Avenue



The three-story mixed use building at 700 Columbus Avenue is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The owners of this building was approached, however, they were not interested in leasing space to AT&T.

Alternative Site Location O

## 701 Greenwich Street



The three-story mixed use building at 701 Greenwich Street is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The building further south of this site, located at 1847-1851 Powell St. is taller than this building and would block the east and west sector for coverage needs.

## Alternative Site Location P 1855 Powell Street



The one-story mixed use building at 1855 Powell Street is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The one-story building does not provide the necessary height to the proposed service coverage area.

Alternative Site Location Q  
1847-1851 Powell Street



The three-story mixed use building at 1847-1851 Powell Street is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The building located at 700 Columbus Avenue is taller and further uphill and would block the signal to the east and west.

Alternative Site Location R  
1841-1845 Powell Street



The three-story mixed use building at 1841-1845 Powell Street is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The building located at 700 Columbus Avenue is taller and further uphill and would block the signal to the east and west.

Alternative Site Location S  
1833-1837 Powell Street



The three-story mixed use building at 1833-1837 Powell Street is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The building located at 700 Columbus Avenue is taller and further uphill and would block the signal to the east and west.

Alternative Site Location T  
1831 Powell Street



The one-story mixed use building at 1831 Powell Street is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The building is too low for the proposed coverage needs.

Alternative Site Location U  
1823-1827 Powell Street



The three-story mixed use building at 1823-1827 Powell Street is located within the NCD North Beach Neighborhood Commercial zoning district, a Preference 6 Location according to the WTS Guidelines. The building located at 700 Columbus Avenue is taller and further uphill and would block the signal to the east and west.

Alternative Site Location V  
1854-1862 Mason St.



The three-story mixed use building at 1854-1862 Mason Street is located within the RM-2 Residential Mixed Low Density zoning district, a Preference 6 Location according to the WTS Guidelines. The building located at 770 Filbert St is taller and would block the signal to the north.

Disfavored Sites:

Alternative Site Location W  
1934-1950 Mason St



The three-story residential buildings at 1934-1950 Mason Street is located within the RM-2 Residential Mixed Low Density zoning district, a Preference 7 Location according to the WTS Guidelines. These are undesired locations and the proposed site is a higher preference.

Alternative Site Location X  
1910-1926 Mason St



The three-story residential buildings at 1910-1926 Mason Street is located within the RM-2 Residential Mixed Low Density zoning district, a Preference 7 Location according to the WTS Guidelines. These are undesired locations and the proposed site is a higher preference.

Alternative Site Location Y  
770 Filbert Street



The four-story residential buildings at 770 Filbert Street is located within the RM-2 Residential Mixed Low Density zoning district, a Preference 7 Location according to the WTS Guidelines. These are undesired locations and the proposed site is a higher preference.

Alternative Site Location Z  
748-760 Filbert Street



The four-story and two residential buildings at 748-760 Filbert Street is located within the RM-2 Residential Mixed Low Density zoning district, a Preference 7 Location according to the WTS Guidelines. These are undesired locations and the proposed site is a higher preference.

Alternative Site Location AA  
724-740 Filbert Street



The four-story and three residential buildings at 724-740 Filbert Street is located within the RM-2 Residential Mixed Low Density zoning district, a Preference 7

Location according to the WTS Guidelines. These are undesired locations and the proposed site is a higher preference.

Alternative Site Location AB  
749-767 Filbert Street



The four-story and two residential buildings at 749-767 Filbert Street is located within the RM-2 Residential Mixed Low Density zoning district, a Preference 7 Location according to the WTS Guidelines. These are undesired locations and the proposed site is a higher preference.

Alternative Site Location AC  
733-747 Filbert Street



The four-story and three residential buildings at 733-747 Filbert Street is located within the RM-2 Residential Mixed Low Density zoning district, a Preference 7 Location according to the WTS Guidelines. These are undesired locations and the proposed site is a higher preference.





May 1, 2013

Omar Masry, Planner  
San Francisco Department of Planning  
1650 Mission Street, 4<sup>th</sup> Floor  
San Francisco, CA 94103

Re: Case No. 2012-1400C - Community Meeting for proposed AT&T Mobility facility at 725  
Greenwich

Dear Mr. Masry,

On March 20, 2013 AT&T mobility held a community meeting regarding the proposed wireless facility at 725 Greenwich Street. The attached notification announced the community presentation was to be held at the San Francisco Athletic Club. Notice of the meeting was mailed out on March 5th to 835 owners and tenants within 500 feet of the proposed installation and sixteen neighborhood organizations.

I attended the meeting on behalf of AT&T Mobility as the project sponsor along with Julian Chang, AT&T Public External Affairs. Raj Mathar, a professional licensed engineer with Hammett and Edison was there to answer any questions regarding the EMF emissions from the proposed wireless facility. No members from the community attended the meeting.

Please contact me if you have any questions or concerns.

Sincerely,

Talin Aghazarian  
Town Consulting  
Representing AT&T Mobility

Attachments:

Community Meeting Notice  
Sign-Up Sheet

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

**To: Neighborhood Groups and Neighbors & Owners within 500' radius of 725 Greenwich Street**

**Meeting Information**

Date: Wednesday, March 20th  
Time: 6:00-7:30

Where: San Francisco Italian Athletic Club  
1630 Stockton Street  
San Francisco CA 94133

**Site Information**

Address: 725 Greenwich Street  
NCD North Beach Neighborhood Commercial

**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 725 Greenwich Street needed by AT&T Mobility as part of its San Francisco wireless network. The proposed site is an unmanned facility consisting of the installation of nine (9) panel antennas. The antennas will be mounted and screened on the roof. The associated equipment would be located inside the building, not visible to the public. Plans and photo simulations will be available for your review at the meeting. You are invited to attend an informational community meeting located at the San Francisco Italian Athletic Club to learn more about the project.

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

**NOTE: If you require an interpreter to be present at the meeting, please contact our office at (415) 646-0972 no later than 5:00pm on Friday March 15, 2013 and we will make every effort to provide you with an interpreter.**

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

**Para: Grupos del vecindario, vecinos y propietarios dentro de un radio de 500' de 725 Greenwich Street**

**Información de la reunión**

Fecha: Miércoles, 20 de marzo  
Hora: 6:00-7:30

Dónde: San Francisco Italian Athletic Club  
1630 Stockton Street  
San Francisco, CA 94133

**Información del lugar**

Dirección: 725 Greenwich Street  
NCD North Beach Neighborhood Commercial

**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 725 Greenwich 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. Las antenas serán montadas y tapadas con pantallas en el techo. El equipo asociado se ubicaría dentro del edificio y no estaría visible para el público. Habrá planos y fotos disponibles para que usted los revise en la reunión. Se lo invita a asistir a una reunión informativa de la comunidad que se realizará en el San Francisco Italian Athletic Club, para tener más información sobre el proyecto.

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

**NOTA: Si necesita que un intérprete esté presente en la reunión, por favor, contacte a nuestra oficina al (415) 646-0972 antes de las 5:00 p.m. del viernes 15 de marzo de 2013, y haremos todo lo posible para proporcionarle un intérprete.**

**關於計畫在您所在街區安裝一座無線通信設施的社區資訊通報會通知**

**致：Greenwich 街 725 號周圍五百英尺內的居民組織、居民和業主**

**會議資訊**

日期：3 月 20 日（星期三）  
時間：下午 6:00-7:30  
地點：加利福尼亞州三藩市 Stockton 街  
1630 號 San Francisco Italian Athletic Club  
（郵遞區號 94133）

**設施地點資訊**

地址：Greenwich 街 725 號  
NCD North Beach Neighborhood Commercial

**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 Greenwich 街 725 號安裝一座無線通訊設施，作為 AT&T Mobility 公司在三藩市無線網路的一部分。計畫中的 AT&T Mobility 站為無人操作設施，需要安裝九(9) 根平板天線。這些天線將被安裝在屋頂，並且遮蔽起來。相關設備也將被放置在建築物內部，公眾不會看見。我們在會上將提供計畫書和類比圖片供您參考。我們誠邀您參加在 San Francisco Italian Athletic Club 召開的社區資訊通報會，以便您瞭解有關本專案的更多資訊。

如果您對該計畫有任何疑問，但是無法出席這次會議，請撥打 AT&T Mobility 公司熱線電話(415) 646-0972，AT&T Mobility 公司的一位專業人員將會回復您的電話。如果您對本規劃程式有任何疑問，請致電 (415) 575-9116 與三藩市城市規劃局的規劃員 Michelle Stahlhut 聯繫。

**注意：如果您需要一名翻譯陪同您出席會議，請在不晚於 2013 年 3 月 15 日（星期五）下午 5 點前致電 (415) 646-0972 與本辦公室聯繫，我們將盡力為您配備一名翻譯。**



**HAMMETT & EDISON, INC.**  
CONSULTING ENGINEERS  
BROADCAST & WIRELESS

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

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

**BY E-MAIL DM1438@ATT.COM**

November 20, 2012

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

Dear Debra:

As you requested, we have conducted the review required by the City of San Francisco of the coverage maps that AT&T Mobility will submit as part of its application package for its base station proposed to be located at 725 Greenwich Avenue (Site No. CC4942). This is to fulfill the submittal requirements for Planning Department review.

### **Executive Summary**

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

AT&T proposes to install nine Andrew directional panel antennas – six Model SBNH-1D6565A and three Model TBXLHB-6565A-R2M – above the roof of the four-story commercial building located at 725 Greenwich Street. Six antennas would be installed within individual cylindrical enclosures, configured to resemble vents, on the roof of the penthouse above the building, and the other antennas would be installed behind a new view screen above the west side of the main roof of the building. The nine antennas would be mounted with up to 6° downtilt at effective heights of about 48½ and 54½ feet above ground, 7 and 13 feet above the main roof, and would be oriented in identical groups of three toward 10°T, 150°T, and 250°T. The maximum effective radiated power proposed by AT&T in any direction is 5,170 watts, representing simultaneous operation at 3,420 watts for PCS, 1,000 watts for cellular, and 750 watts for 700 MHz service.

AT&T provided for review two pairs of coverage maps, dated October 31, 2012, separately showing AT&T's cellular UMTS (850 MHz) and 4G LTE (700 MHz) coverage in the area before and after the site is operational. Both the before and after UMTS maps show three levels of coverage, which AT&T colors and defines as follows:

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

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

We undertook a two-step process in our review. As a first step, we obtained information from AT&T on the software and the service thresholds that were used to generate its coverage maps. This carrier uses commercially available software to develop its coverage maps. The thresholds that AT&T uses to determine acceptable coverage are in line with industry standards, similar to the thresholds used by other wireless service providers.

As a second step, we conducted our own drive test to measure the actual AT&T UMTS and 4G LTE signal strength in the vicinity of the proposed site. Our fieldwork was conducted on November 13, 2012, between 5:40 PM and 7:45 PM, during the peak time (5:30 to 9:00 PM) for data and voice traffic shown in the 24-hour traffic profile provided by AT&T for this area.

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

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

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

Sincerely yours,



William F. Hammett, P.E.

tm

DRAWING INDEX

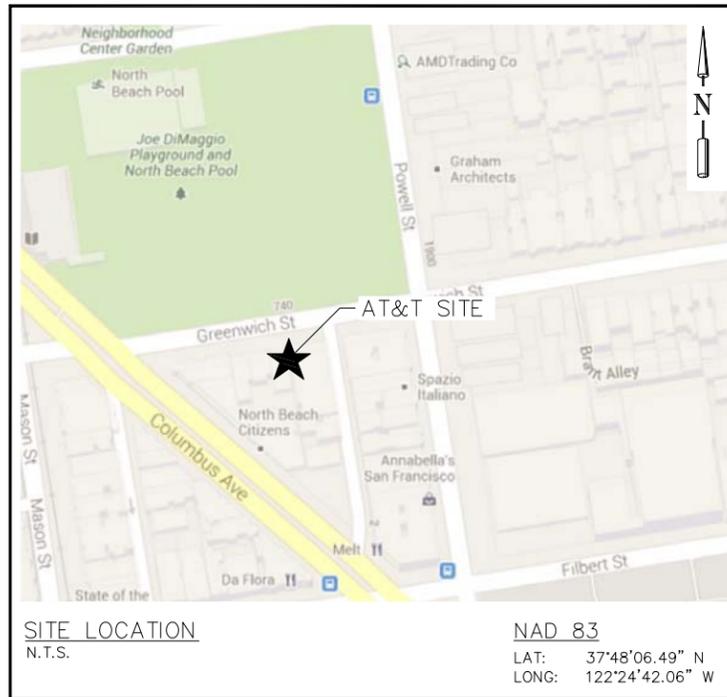
REV. NO.	DWG. NO.	DESCRIPTION
△7	Z-1	COVER SHEET
1	LS-1	SITE SURVEY
△4	Z-2	SITE PLAN
△6	Z-3	ROOF PLAN
2	Z-4	EQUIPMENT LAYOUT
△5	Z-5	NORTH ELEVATION
△5	Z-6	EAST ELEVATION
△5	Z-7	SOUTH ELEVATION
△5	Z-8	WEST ELEVATION
△5	Z-8A	SOUTHWEST ISOMETRIC
2	Z-9	GSM EQUIPMENT CABINET DETAILS
2	Z-10	UMTS AND LTE EQUIPMENT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



725 GREENWICH  
CC4942A

DIRECTIONS FROM AT&T'S SAN FRANCISCO OFFICE:

- DEPART FROM 430 BUSH ST, SAN FRANCISCO
- HEAD EAST ON BUSH ST TOWARD CLAUDE LN
- TAKE THE 1ST LEFT ONTO KEARNY ST 0.4 MI
- SLIGHT LEFT ONTO COLUMBUS AVE 0.5 MI
- TURN RIGHT ONTO GREENWICH ST
- ARRIVE AT 725 GREENWICH ST, SAN FRANCISCO, CA 94124



SITE LOCATION NAD 83  
N.T.S. LAT: 37°48'06.49" N  
LONG: 122°24'42.06" W



PROJECT NO:	1159-062
DRAWN BY:	A.G.
CHECKED BY:	R.M.
CAD FILE:	1159-062Z1

SUBMITTALS

REV	DATE	DESCRIPTION
7	JUN 03/13	REVISED PER ERICSSON
6	MAY 24/13	REVISED PER ERICSSON
5	SEP 19/12	REVISED PER ERICSSON
4	MAY 14/12	REVISED PER ERICSSON
3	APR 18/12	REVISED PER ERICSSON
2	FEB 21/12	REVISED PER ERICSSON
1	JUL 28/11	REVISED PER ERICSSON
0	JUN 29/11	100% ZD'S
A	JUN 20/11	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

725 GREENWICH  
CC4942A  
725 GREENWICH ST  
SAN FRANCISCO, CA  
94133

SHEET TITLE

COVER SHEET

SHEET NUMBER

Z-1

PROJECT ADDRESS:

725 GREENWICH ST  
SAN FRANCISCO, CA 94133

APN:

0090-030

DESCRIPTION OF WORK:

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

APPLICANT:

AT&T  
430 BUSH ST  
SAN FRANCISCO, CA 94108

PROPERTY OWNER:

T.B.D.

CODE INFORMATION:

ZONING CLASSIFICATION:	NCD
PROPOSED USE:	TELECOMMUNICATION FACILITY
BUILDING CODE:	2010 SAN FRANCISCO BUILDING CODE
ELECTRICAL CODE:	2010 SAN FRANCISCO ELECTRICAL CODE
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	TYPE IV
PROJECT AREA:	±383 SQ.FT.
STRUCTURE HEIGHT:	±50'-10" A.G.L. (T.O. EXISTING PENTHOUSE ROOF) ±57'-1" A.G.L. (T.O. PROPOSED FAUX VENT PIPE)

PROJECT ENGINEER:

TRK ENGINEERING LTD.  
#201 - 17688 66TH 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: TODD GRASSI  
PHONE: T.B.D.

SITE DEVELOPMENT:

TOWN CONSULTING  
100 CLEMENT ST, 3RD FLOOR  
SAN FRANCISCO, CA 94118  
CONTACT: ANDREW PERZIGIAN  
PHONE: (415) 517 8764

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 1107B).

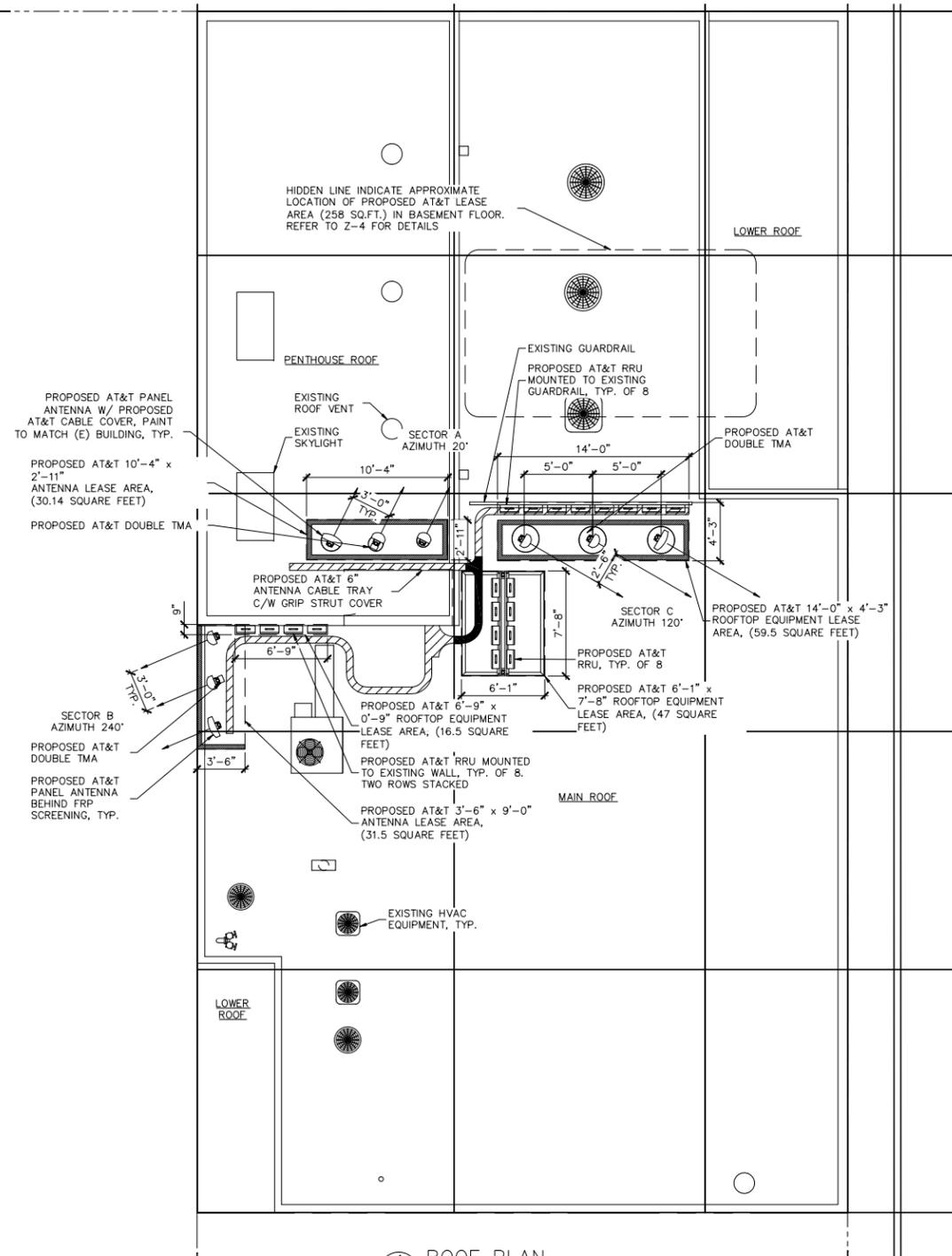
APPROVAL LIST

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





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



FIELD ROUTE (5) 3" DIA. CONDUITS FOR FIBER AND COAX FROM BASEMENT EQUIPMENT ROOM UP TO ROOF THROUGH EXISTING CHASE

CABLE TRAY SQUARE FOOTAGE: (35 SQ. FT.)

1 ROOF PLAN  
 3/16"=1'-0" 3/32"=1'-0"  
 22x34 11x17  
 0 2' 4' 8'

NOTES:

1. ROOF PLAN INFORMATION WAS OBTAINED FROM SITE MEASUREMENTS TAKEN BY TRK ENGINEERING LTD. DATED JUNE 1, 2011 AND A SURVEY PREPARED BY TIMOTHY SCHAD, L.S., DATED JUNE 13, 2011.
2. CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
3. PAINT FRP SCREEN TO MATCH EXISTING BUILDING EXTERIOR.



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS

6 JUN 03/13	REVISED PER ERICSSON
5 SEP 19/12	REVISED PER ERICSSON
4 MAY 14/12	REVISED PER ERICSSON
3 APR 18/12	REVISED PER ERICSSON
2 FEB 21/12	REVISED PER ERICSSON
1 JUL 28/11	REVISED PER ERICSSON
0 JUN 29/11	100% ZD'S
A JUN 20/11	ISSUED FOR REVIEW

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A&E SEAL

SITE

725 GREENWICH  
 CC4942A  
 725 GREENWICH ST  
 SAN FRANCISCO, CA  
 94133

SHEET TITLE

ROOF PLAN

SHEET NUMBER

Z-3

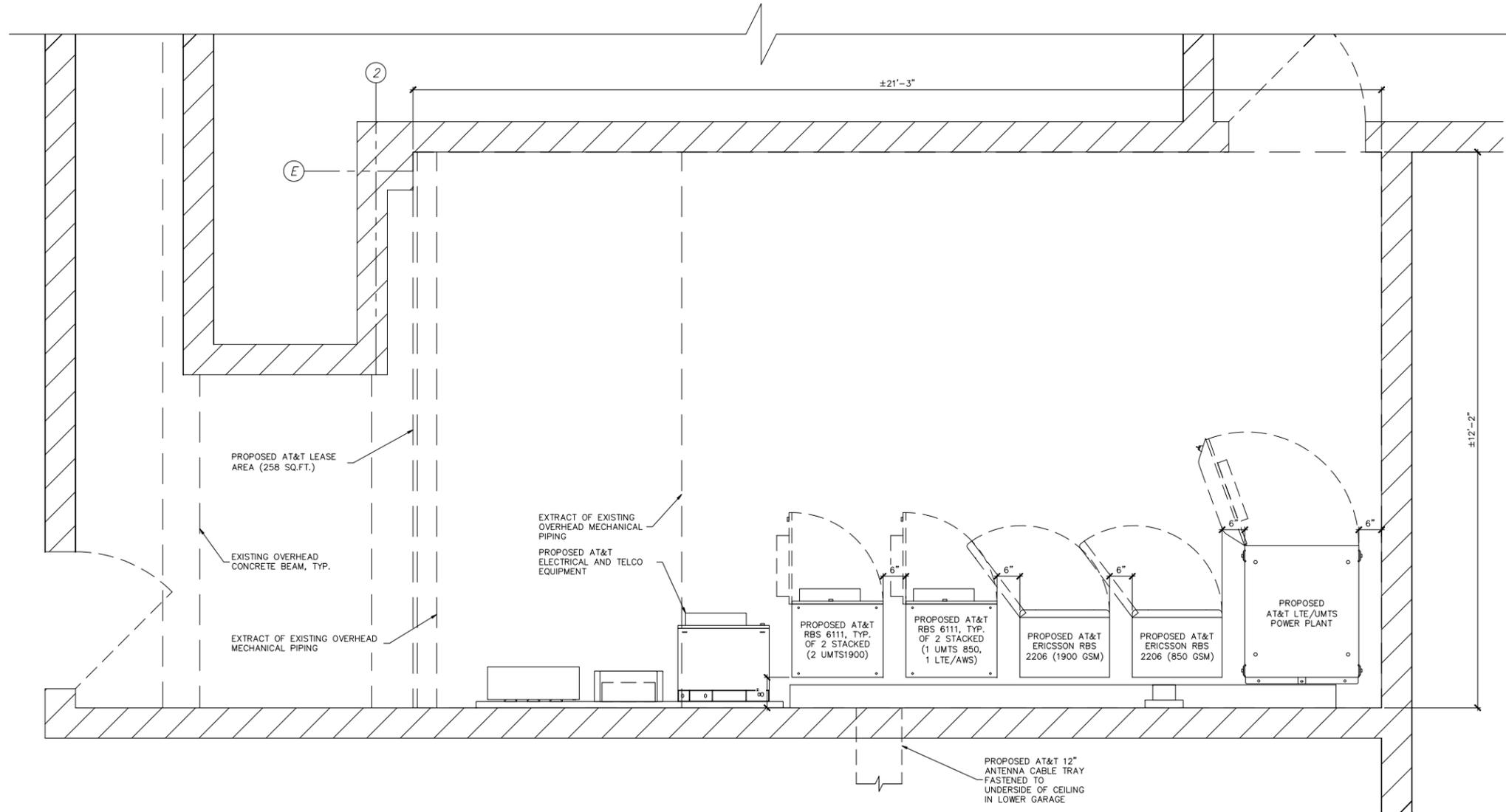
SECTOR	FEEDER TYPE	CABLE LENGTH (APPROX.)
A (ALPHA)	7/8" COAX & FIBER	±132'-0"
B (BETA)	7/8" COAX & FIBER	±122'-0"
C (GAMMA)	7/8" COAX & FIBER	±132'-0"



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

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.



PROJECT NO:	1159-062
DRAWN BY:	A.G.
CHECKED BY:	R.M.
CAD FILE:	1159-062Z1

SUBMITTALS	
2	FEB 21/12 REVISED PER ERICSSON
1	JUL 28/11 REVISED PER ERICSSON
0	JUN 29/11 100% ZD'S
A	JUN 20/11 ISSUED FOR REVIEW

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ARE SEAL

SITE  
725 GREENWICH  
CC4942A  
725 GREENWICH ST  
SAN FRANCISCO, CA  
94133

SHEET TITLE  
EQUIPMENT LAYOUT

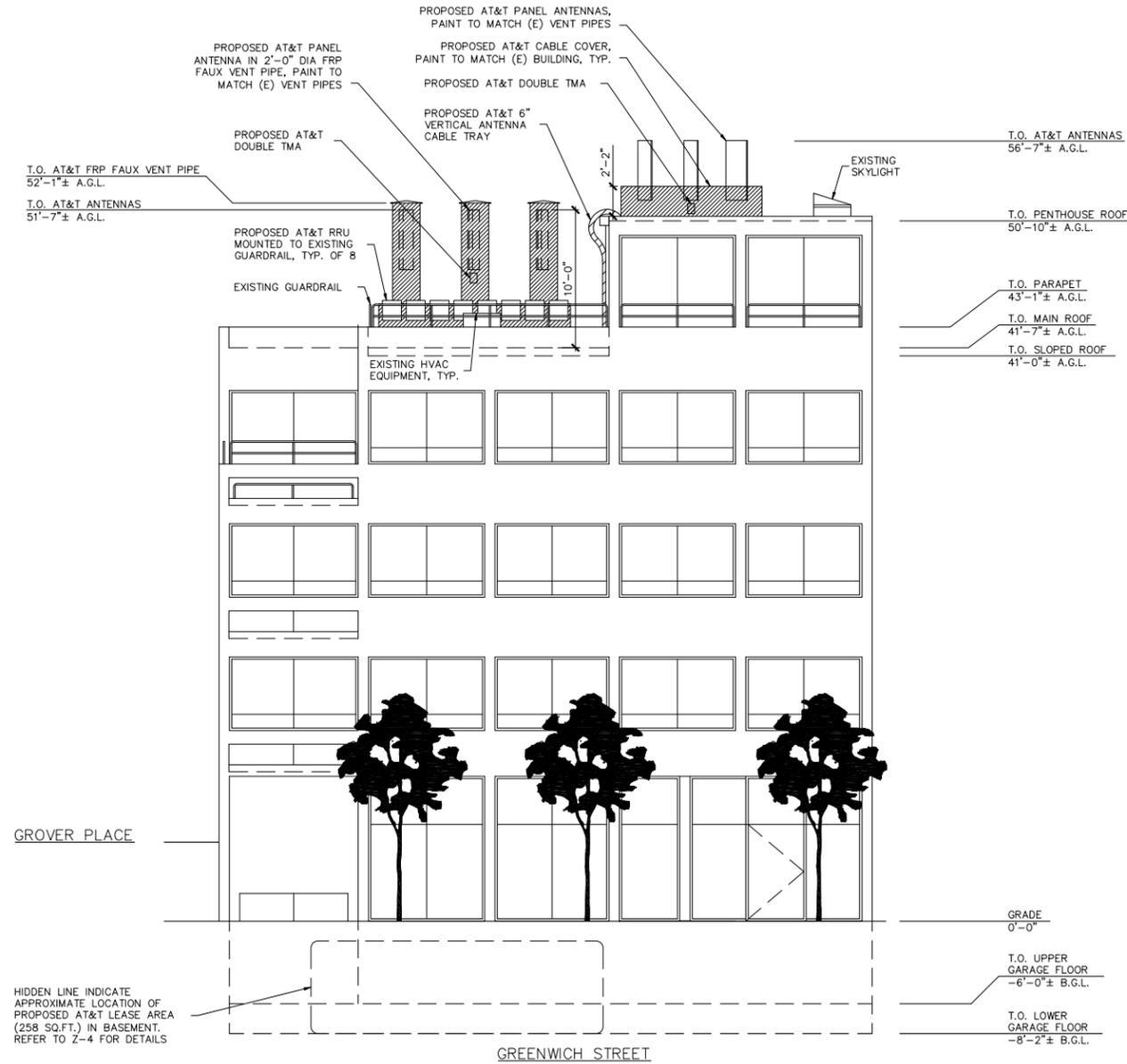
SHEET NUMBER  
Z-4

1 EQUIPMENT LAYOUT  
3/4"=1'-0" 3/8"=1'-0"  
23x4 11x7  
0 1 2

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

NOTES:

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



1 NORTH ELEVATION  
 3/16"=1'-0" 3/32"=1'-0"  
 25x4 11x17  
 0 2' 4' 8'



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS

5 JUN 03/13	REVISED PER ERICSSON
4 MAY 24/13	REVISED PER ERICSSON
3 APR 18/12	REVISED PER ERICSSON
2 FEB 21/12	REVISED PER ERICSSON
1 JUL 28/11	REVISED PER ERICSSON
0 JUN 29/11	100% ZD'S
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A&E SEAL

SITE

725 GREENWICH  
 CC4942A  
 725 GREENWICH ST  
 SAN FRANCISCO, CA  
 94133

SHEET TITLE

NORTH ELEVATION

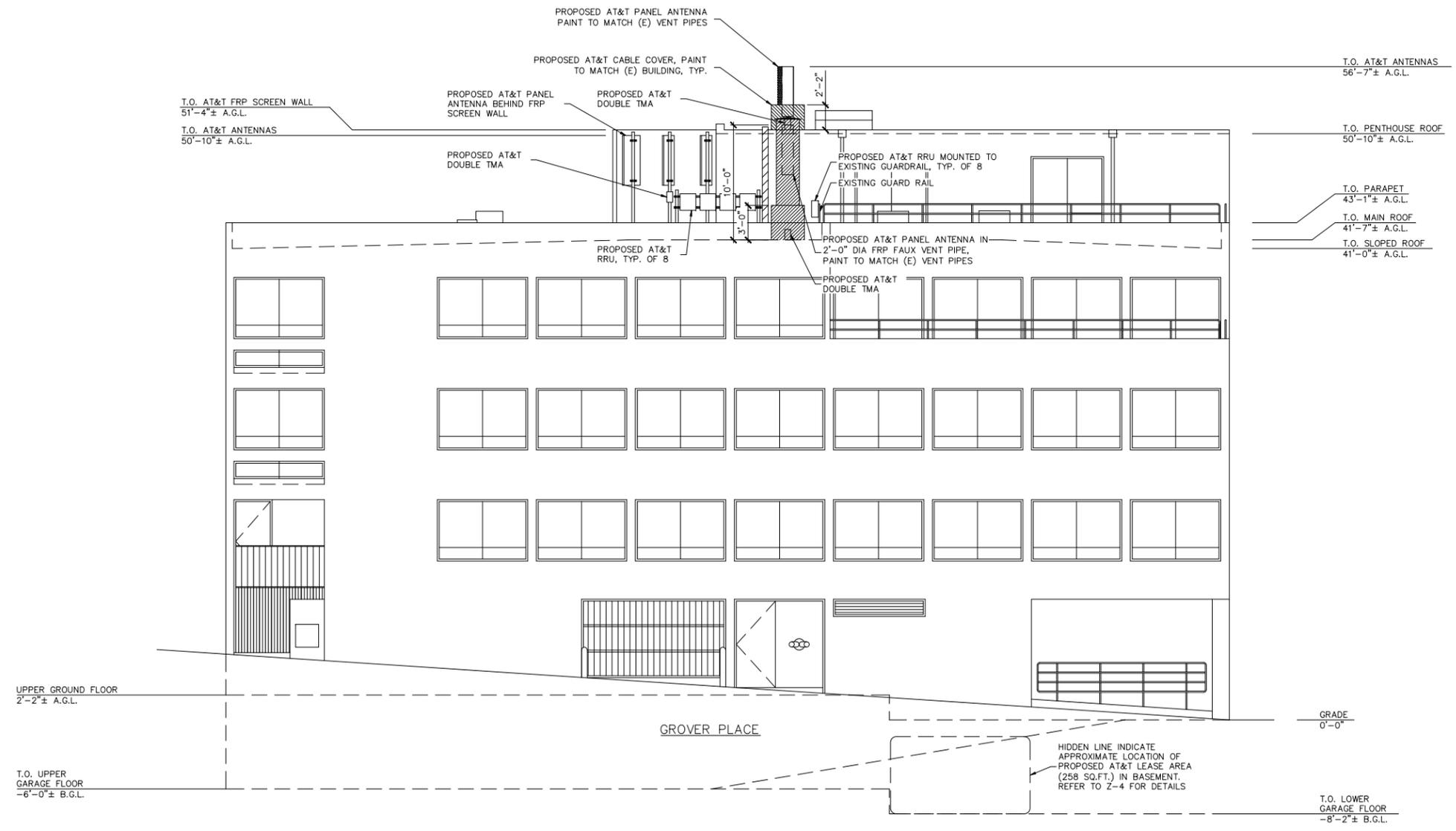
SHEET NUMBER

Z-5

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

NOTES:

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- PAINT FRP SCREEN TO MATCH EXISTING BUILDING EXTERIOR.



DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS	
5 JUN 03/13	REVISED PER ERICSSON
4 MAY 24/13	REVISED PER ERICSSON
3 APR 18/12	REVISED PER ERICSSON
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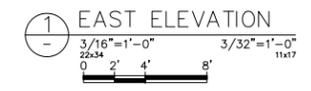
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A&E SEAL

SITE  
725 GREENWICH  
CC4942A  
725 GREENWICH ST  
SAN FRANCISCO, CA  
94133

SHEET TITLE  
EAST ELEVATION

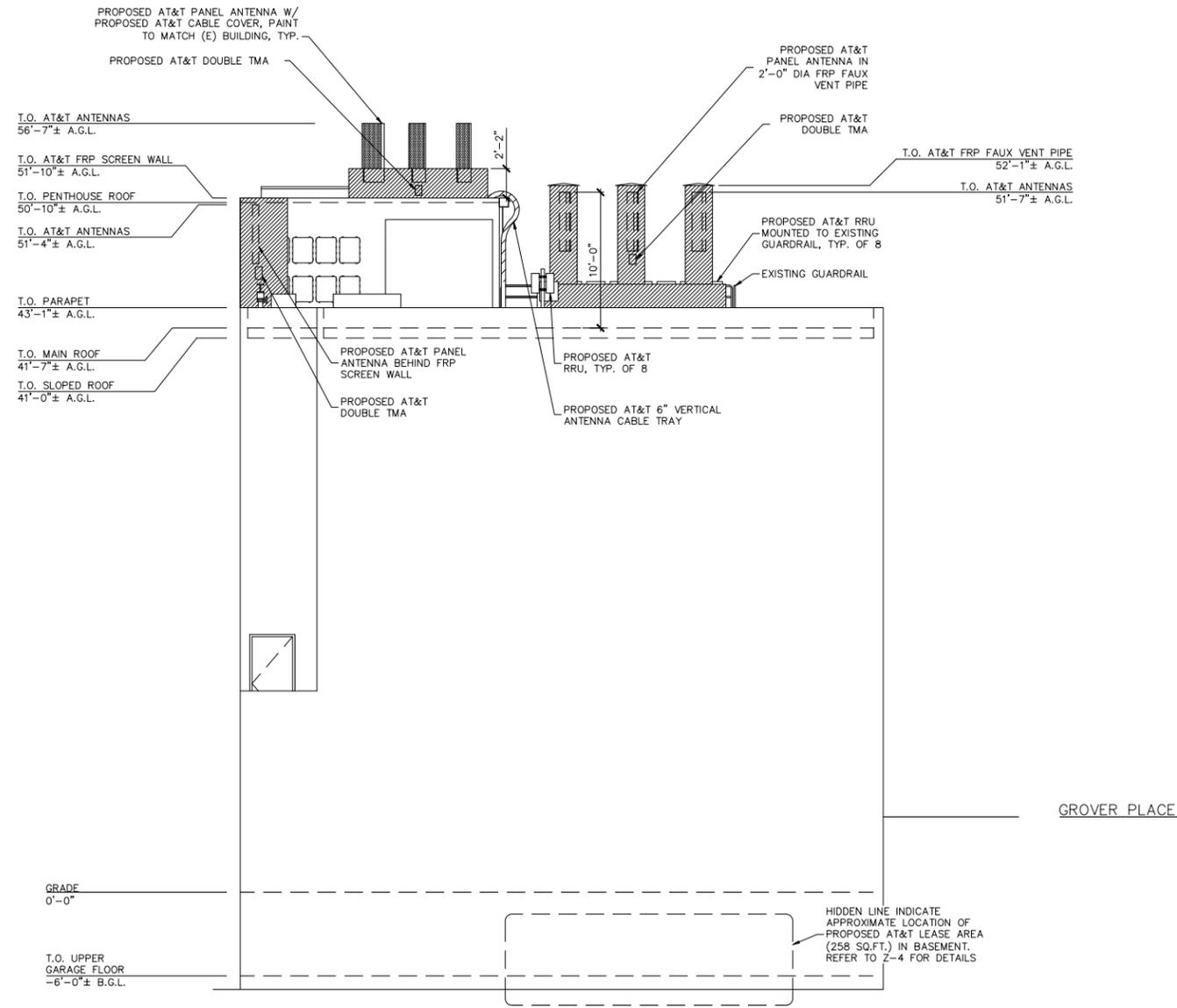
SHEET NUMBER  
Z-6



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

NOTES:

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



1 SOUTH ELEVATION  
 3/16"=1'-0" 3/32"=1'-0"  
 2534 11417  
 0 2' 4' 8'



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS	
5 JUN 03/13	REVISED PER ERICSSON
4 MAY 24/13	REVISED PER ERICSSON
3 APR 18/12	REVISED PER ERICSSON
2 FEB 21/12	REVISED PER ERICSSON
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A JUN 20/11	ISSUED FOR REVIEW

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A&E SEAL

SITE  
 725 GREENWICH  
 CC4942A  
 725 GREENWICH ST  
 SAN FRANCISCO, CA  
 94133

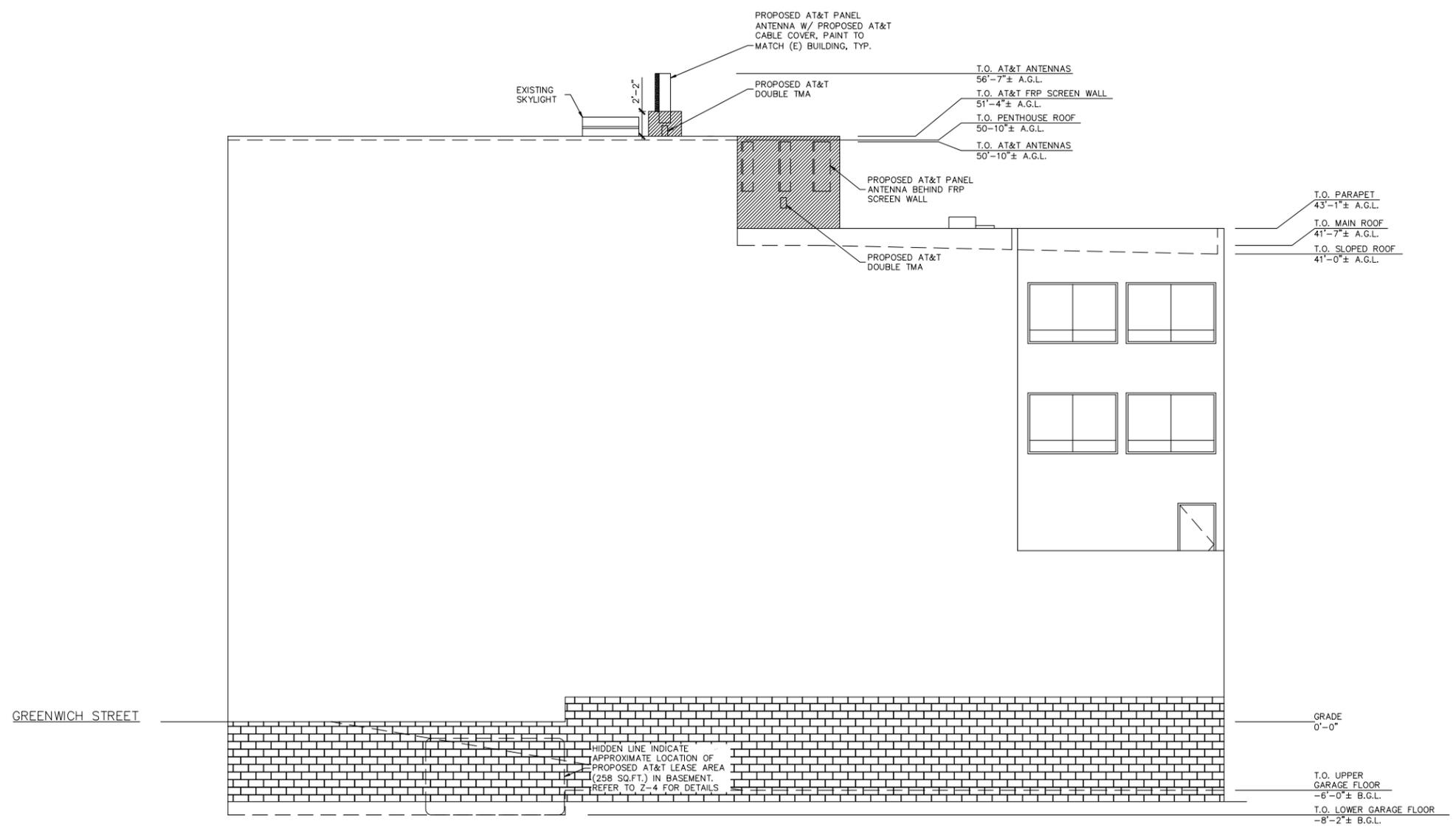
SHEET TITLE  
 SOUTH ELEVATION

SHEET NUMBER  
 Z-7

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

NOTES:

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



1 WEST ELEVATION  
 3/16"=1'-0" 3/32"=1'-0"  
 25x34 11x17  
 0 2' 4' 8'



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS

5 JUN 03/13	REVISED PER ERICSSON
4 MAY 24/13	REVISED PER ERICSSON
3 APR 18/12	REVISED PER ERICSSON
2 FEB 21/12	REVISED PER ERICSSON
1 JUL 28/11	REVISED PER ERICSSON
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A&E SEAL

SITE

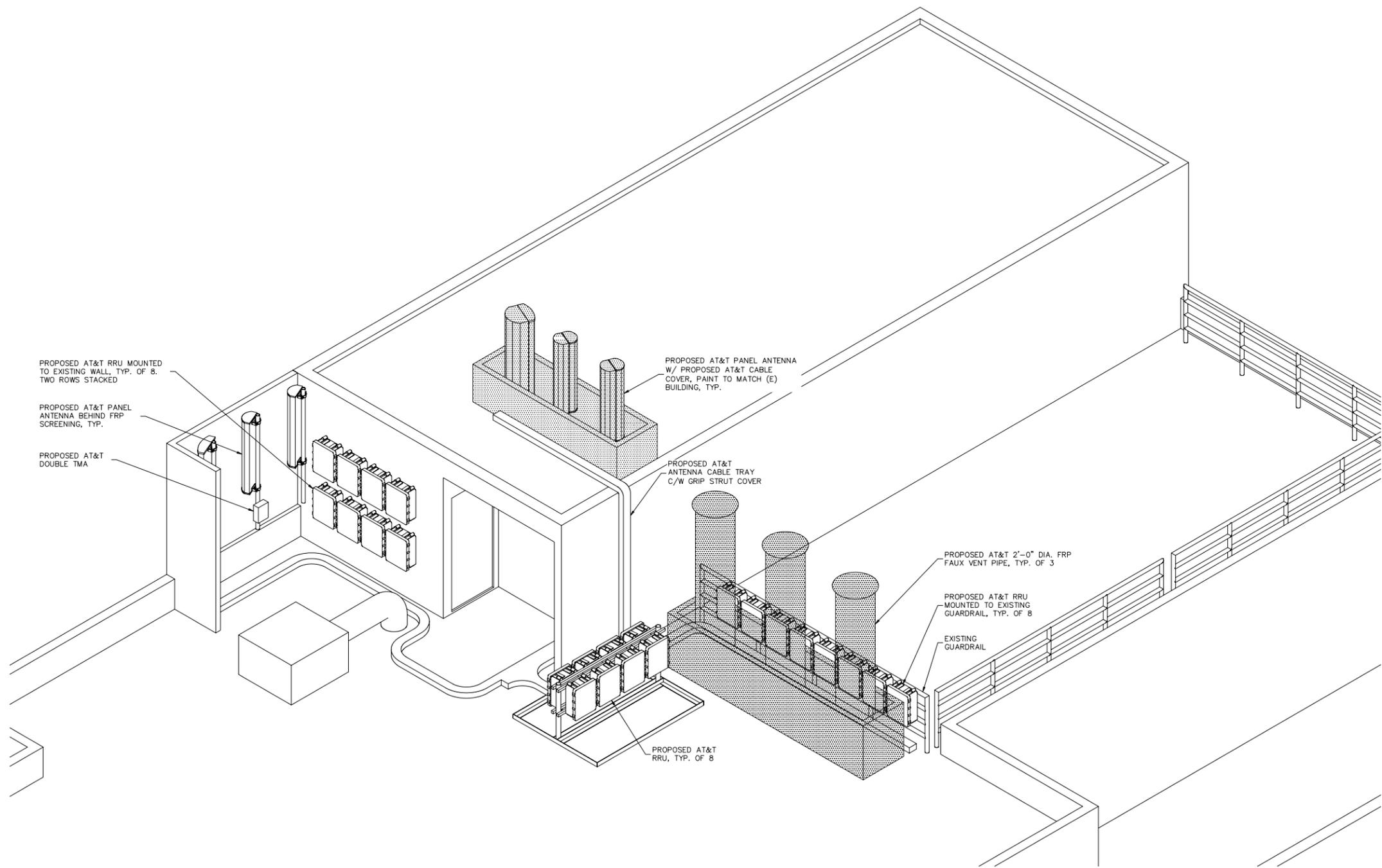
725 GREENWICH  
 CC4942A  
 725 GREENWICH ST  
 SAN FRANCISCO, CA  
 94133

SHEET TITLE

WEST ELEVATION

SHEET NUMBER

Z-8



PROPOSED AT&T RRU MOUNTED TO EXISTING WALL, TYP. OF 8. TWO ROWS STACKED

PROPOSED AT&T PANEL ANTENNA BEHIND FRP SCREENING, TYP.

PROPOSED AT&T DOUBLE TMA

PROPOSED AT&T PANEL ANTENNA W/ PROPOSED AT&T CABLE COVER, PAINT TO MATCH (E) BUILDING, TYP.

PROPOSED AT&T ANTENNA CABLE TRAY C/W GRIP STRUT COVER

PROPOSED AT&T 2'-0" DIA. FRP FAUX VENT PIPE, TYP. OF 3

PROPOSED AT&T RRU MOUNTED TO EXISTING GUARDRAIL, TYP. OF 8

EXISTING GUARDRAIL

PROPOSED AT&T RRU, TYP. OF 8

1 - SOUTHEAST ISOMETRIC



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS	
5 JUN 03/13	REVISED PER ERICSSON
4 MAY 24/13	REVISED PER ERICSSON
3 APR 18/12	REVISED PER ERICSSON

5 JUN 03/13	REVISED PER ERICSSON
4 MAY 24/13	REVISED PER ERICSSON
3 APR 18/12	REVISED PER ERICSSON

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A&E SEAL

SITE  
725 GREENWICH  
CC4942A  
725 GREENWICH ST  
SAN FRANCISCO, CA  
94133

SHEET TITLE  
SOUTHWEST ISOMETRIC

SHEET NUMBER  
Z-8A



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS

2	FEB 21/12	REVISED PER ERICSSON
1	JUL 28/11	REVISED PER ERICSSON
0	JUN 29/11	100% ZD'S
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A&E SEAL

SITE

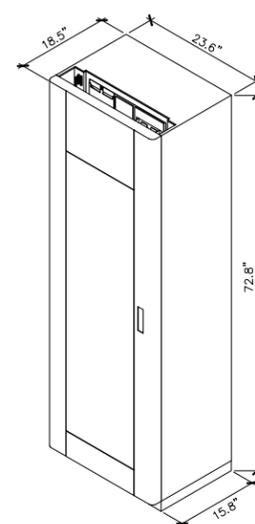
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CC4942A  
725 GREENWICH ST  
SAN FRANCISCO, CA  
94133

SHEET TITLE

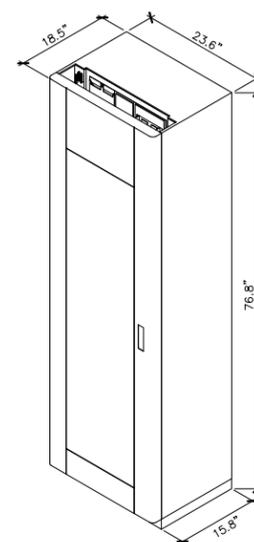
GSM EQUIPMENT CABINET  
DETAILS

SHEET NUMBER

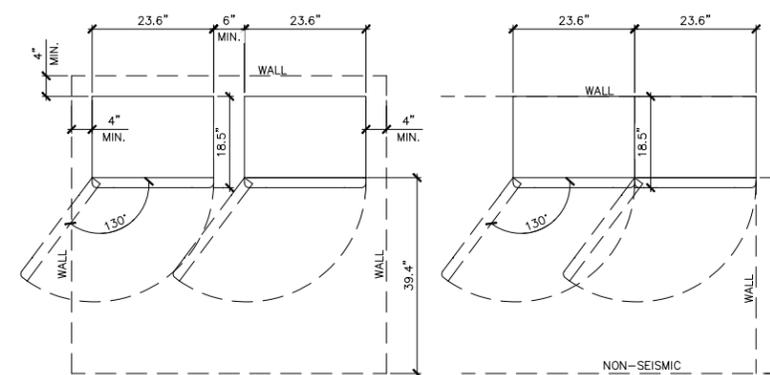
Z-9



EQUIPMENT CABINET 1  
ISOMETRIC VIEW



EQUIPMENT CABINET 2  
ISOMETRIC VIEW



TYPICAL EQUIPMENT CABINET GROWTH  
CONFIGURATION (SEISMIC)



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS

2	FEB 21/12	REVISED PER ERICSSON
1	JUL 28/11	REVISED PER ERICSSON
0	JUN 29/11	100% ZD'S
A	JUN 20/11	ISSUED FOR REVIEW

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A&E SEAL

SITE

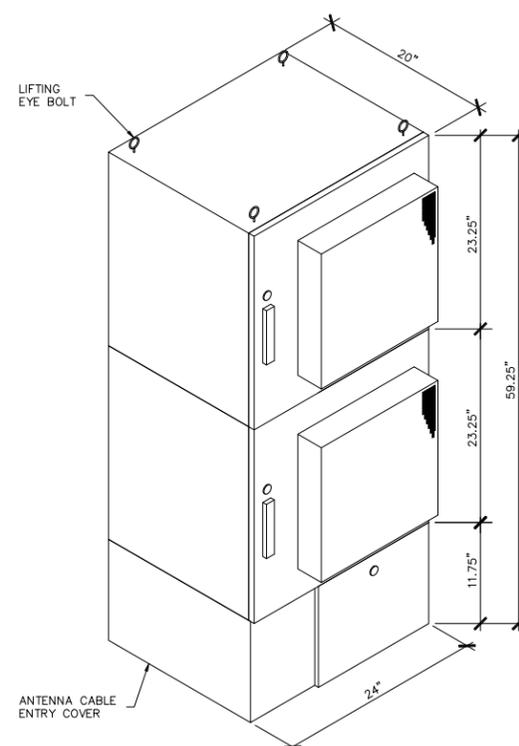
725 GREENWICH  
CC4942A  
725 GREENWICH ST  
SAN FRANCISCO, CA  
94133

SHEET TITLE

UMTS AND LTE  
EQUIPMENT CABINET  
DETAILS

SHEET NUMBER

Z-10



ISOMETRIC VIEW OF EQUIPMENT CABINET



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS

1	JUL 28/11	REVISED PER ERICSSON
A	JUN 20/11	ISSUED FOR REVIEW

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A&E SEAL

SITE

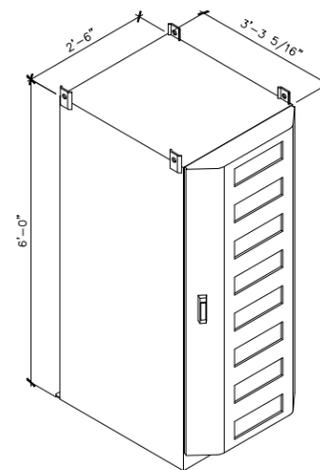
725 GREENWICH  
CC4942A  
725 GREENWICH ST  
SAN FRANCISCO, CA 94133

SHEET TITLE

LTE BATTERY BACKUP  
EQUIPMENT CABINET  
DETAILS

SHEET NUMBER

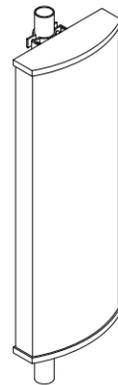
Z-11



ISOMETRIC VIEW OF POWER AND  
BATTERY CABINET

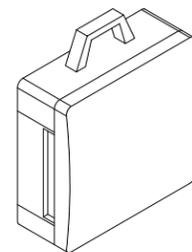


LENGTH: 51.1"  
WIDTH: 11.9"  
DEPTH: 7.1"  
WEIGHT: 41 lbs.



LENGTH: 52.1"  
WIDTH: 18.3"  
DEPTH: 6.2"  
T.B.D.

① ANTENNA SPECIFICATION



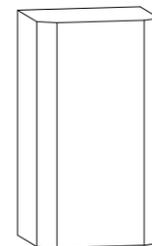
LENGTH: 17.30"  
WIDTH: 17.80"  
DEPTH: 7.20"  
WEIGHT: 50.00 lbs

② RRU11 SPECIFICATIONS



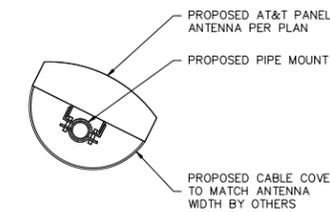
LENGTH: 11.0"  
WIDTH: 6.1"  
DEPTH: 3.9"  
WEIGHT: 15.4 lbs

③ DOUBLE TMA SPECIFICATIONS



LENGTH: 18.23"  
WIDTH: 10.55"  
DEPTH: 8.90"  
WEIGHT: 41.8 lbs

④ RRH SPECIFICATIONS



⑤ CABLE COVER SPECIFICATIONS



PROJECT NO: 1159-062

DRAWN BY: A.G.

CHECKED BY: R.M.

CAD FILE: 1159-062Z1

SUBMITTALS	
2	FEB 21/12 REVISED PER ERICSSON
1	JUL 28/11 REVISED PER ERICSSON
0	JUN 29/11 100% ZD'S
A	JUN 20/11 ISSUED FOR REVIEW

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A&E SEAL

SITE  
725 GREENWICH  
CC4942A  
725 GREENWICH ST  
SAN FRANCISCO, CA  
94133

SHEET TITLE  
RF DETAILS

SHEET NUMBER  
Z-12