



SAN FRANCISCO PLANNING DEPARTMENT

Executive Summary Conditional Use Authorization

HEARING DATE: AUGUST 9, 2012

Date: August 2, 2012
Case No.: **2011.1396C**
Project Address: **901 Cole Street**
Current Zoning: NC-1 (Neighborhood Commercial Cluster) District
40-X Height and Bulk District
Block/Lot: 1272/001
Project Sponsor: AT&T Mobility represented by,
Kelly Pepper, Town Consulting
100 Clement Street, 3rd Floor
San Francisco, CA 94108
Staff Contact: Michelle Stahlhut – (415) 575-9116
Michelle.Stahlhut@sfgov.org
Recommendation: Approval with Conditions

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PROJECT DESCRIPTION

The proposal is to install a macro wireless telecommunications service (“WTS”) facility consisting of up to nine panel antennas located on the roof of the subject building along with equipment that would be located on the ground as part of AT&T Mobility’s telecommunications network. The antennas are proposed on a Location Preference 6 Site (Limited Preference Site) according to the WTS Siting Guidelines. The proposed antennas would measure a maximum of 51” high by 12” wide by 6” thick. All nine antennas would be mounted on the roof of the subject building in three sectors. Sectors A and C consisting of three and two antennas respectively are located behind radio frequency transparent screens designed to resemble small chimneys, and Sector B is located within faux vent pipes. The maximum height of the antennas is 50’ 4” above grade. The equipment cabinets would be located on the ground within a shed located in an outdoor area at the side of the building. The outdoor area is not considered common open space for the building because it does not conform with the minimum dimension requirements as defined in the Planning Code Section 135g(1).

SITE DESCRIPTION AND PRESENT USE

The building is located on Assessor’s Block 1272, Lot 001 on the southwest corner of Carl Street and Cole Street. This site is within the NC-1 (Neighborhood Commercial Cluster) Zoning District and a 40-X Height and Bulk District. The project site contains a three-story 11 unit residential building with ground-floor commercial uses. The subject building is on a corner lot with approximately 122 feet of frontage on Carl Street and 51 feet of frontage on Cole Street.

ENVIRONMENTAL REVIEW

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

HEARING NOTIFICATION

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

PUBLIC COMMENT

As of August 2nd, the Department has received one public comment opposed to the project based on proximity to their home.

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 710.83 of the Planning Code, Conditional Use authorization is required for a WTS facility in the NC-1 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.
- The project site is considered a Location Preference 6, (Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines.

- Health and safety aspects of all wireless projects are reviewed under the Department of Public Health and the Department of Building Inspections.
- The expected RF emission fall well within the limits established by the FCC.
- Although the project site is considered a Location Preference 6, (Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, the subject site has been determined to be the most viable site to serve the geographic service area through an alternative site analysis.
- Based on propagation maps provided by AT&T Mobility, the project will provide coverage in an area that currently experiences several gaps in coverage and capacity.
- Based on the analysis provided by AT&T Mobility, the project will provide additional capacity in an area that currently experiences insufficient service during periods of high data usage.
- Based on independent third-party evaluation, the maps, data, and conclusions about service coverage and capacity provided by AT&T Mobility are accurate.
- The proposed antennas will be minimally visible when viewed from adjacent rights-of-way and points further away so as to avoid intrusion into public vistas, avoid disruption of the architectural integrity of building and insure harmony with neighborhood character.
- The proposed project has been reviewed by staff and found to be categorically exempt from further environmental review. The proposed changes to the subject building do not result in a significant impact on the resource. The proposed antenna project is categorically exempt from further environmental review pursuant to the Class 3 exemptions of California Environmental Quality Act.
- A Five Year Plan with approximate longitudinal and latitudinal coordinates of proposed locations, including the subject site, was submitted.
- All required public notifications were conducted in compliance with the City’s code and policies.

RECOMMENDATION: Approval with Conditions

- | | |
|---|---|
| <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 _____ms_____ Planner's Initials



SAN FRANCISCO PLANNING DEPARTMENT

Subject to: (Select only if applicable)

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

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Planning Commission Motion No. XXXX

HEARING DATE: AUGUST 9, 2012

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 100 Clement St, 3rd Floor
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Staff Contact: Michelle Stahlhut – (415) 575-9116
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ADOPTING FINDINGS RELATING TO THE APPROVAL OF A CONDITIONAL USE AUTHORIZATION UNDER PLANNING CODE SECTION 303(c) AND 710.83 TO INSTALL A WIRELESS TELECOMMUNICATIONS SERVICE FACILITY CONSISTING OF UP TO NINE PANEL ANTENNAS LOCATED ON THE ROOF OF AN EXISTING COMMERCIAL AND RESIDENTIAL BUILDING ALONG WITH EQUIPMENT LOCATED ON THE GROUND THE OF BUILDING AS PART OF AT&T'S WIRELESS TELECOMMUNICATIONS NETWORK WITHIN A NC-1 (NEIGHBORHOOD COMMERCIAL CLUSTER) ZONING DISTRICT AND A 40-X HEIGHT AND BULK DISTRICT.

PREAMBLE

On December 14, 2012, AT&T Mobility (hereinafter "Project Sponsor"), made an application (hereinafter "application"), for Conditional Use Authorization on the property at 901 Cole Street, Lot 001 in Assessor's Block 1272, (hereinafter "project site") to install a wireless telecommunications service facility consisting of up to nine panel antennas located on the roof of an existing commercial and residential building along with equipment located on the ground as part of AT&T's wireless telecommunications network within a NC-1 (Neighborhood Commercial Cluster Zoning 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 Commission has reviewed and concurs with said determination. The categorical exemption and all pertinent documents may be

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

On August 9, 2012, the San Francisco Planning Commission (hereinafter "Commission") conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use authorization.

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

MOVED, that the Commission hereby authorizes the Conditional Use in Application No. 2011.1396C, subject to the conditions contained in "EXHIBIT A" of this motion, based on the following findings:

FINDINGS

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

1. The above recitals are accurate and constitute findings of this Commission.
2. **Site Description and Present Use.** The building is located on Assessor's Block 1272, Lot 001 on the southwest corner of Carl Street and Cole Street. This site is within a NC-1 (Neighborhood Commercial Cluster) Zoning District and a 40-X Height and Bulk District. The project site contains a three-story 11 unit residential building with ground-floor commercial uses. The subject building is on a corner lot with approximately 122 feet of frontage on Carl Street and 51 feet of frontage on Cole Street.
3. **Surrounding Properties and Neighborhood.** The project site is located at the corner of Carl Street and Cole Street in the Neighborhood Commercial Cluster Zoning District. The site is located in Cole Valley within the Haight-Ashbury Neighborhood. Nearby land uses along Carl Street and Cole Street consist primarily of buildings with housing over neighborhood-serving commercial/retail uses. The site is approximately three blocks south of the Haight Street Neighborhood Commercial District, and within 200 feet of the Richard Gamble Memorial Garden and the western end of the Sunset Muni Tunnel. The Muni N-Judah line is the primary public transit line that services this site.
4. **Project Description.** The proposal is to install a macro wireless telecommunications service ("WTS") facility consisting of up to nine panel antennas located on the roof of the subject building along with equipment that would be located on the ground as part of AT&T Mobility's telecommunications network. The antennas are proposed on a Location Preference 6 Site (Limited Preference Site) according to the WTS Siting Guidelines. The proposed antennas would measure a maximum of 51" high by 12" wide by 6" thick. All nine antennas would be mounted on the roof of the subject building in three sectors. Sectors A and C consisting of three and two

antennas respectively are located behind radio frequency transparent screens designed to resemble small chimneys, and Sector B is located within faux vent pipes. The maximum height of the antennas is 50' 4" above grade. The equipment cabinets would be located on the ground within a shed located in an outdoor area at the side of the building. The outdoor area is not considered common open space for the building because it does not conform with the minimum dimension requirements as defined in the Planning Code Section 135g(1).

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

Section 8.1 of the Guidelines outlines Location Preferences for wireless facilities. There are five primary areas 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 6 (Limited Preference Site) unless the application describes (a) what publicly-used building, co-location site or other Preferred Location Sites are located within the geographic service area; (b) what good faith efforts and measures were taken to secure these more Preferred Locations, (c) explains why such efforts were unsuccessful; and (d) demonstrates that the location for the site is essential to meet demands in the geographic service area and the Applicant's citywide networks.

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

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

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

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

On August 9, 2012, the Commission conducted a duly noticed public hearing at a regularly scheduled meeting on the application for a Conditional Use authorization pursuant to Planning Code Section 710.83 to install a wireless telecommunications facility consisting of up to nine panel antennas on the face of an existing commercial and residential building along with equipment located inside the building as part of AT&T's wireless telecommunications network.

6. **Location Preference.** The *WTS Facilities Siting Guidelines* identify different types of buildings for the siting of wireless telecommunications facilities. Under the *Guidelines*, the Project is a Location Preference Number 6 Limited Preference Site as the project site is located in an NC-1 Neighborhood Commercial Cluster District.
7. **Alternative Site Analysis.** Although the project site is considered a Location Preference 6, (Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, the subject site has been determined to be the most viable site to serve the geographic service area through an alternative site analysis.
8. **Radio Waves Range.** The Project Sponsor has stated that the proposed wireless network will transmit calls by radio waves operating in the 1710 - 2170 Megahertz (MHZ) bands, which is regulated by the Federal Communications Commission (FCC) and which must comply with the FCC-adopted health and safety standards for electromagnetic radiation and radio frequency radiation.
9. **Radiofrequency (RF) Emissions:** The Project Sponsor retained Hammett & Edison, Inc., a radio engineering consulting firm, to prepare a report describing the expected RF emissions from the proposed facility. Pursuant to the *Guidelines*, the Department of Public Health reviewed the report and determined that the proposed facility complies with the standards set forth in the Guidelines.
10. **Department of Public Health Review and Approval.** The proposed project was referred to the Department of Public Health (DPH) for emissions exposure analysis. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There are two similar antennas

located on an adjacent building about 60 feet away but no other antennas observed within 100 feet of this site. AT&T Mobility proposes to install nine new antennas. The antennas will be mounted at a height of approximately 45 feet above the ground. The estimated ambient RF field from the proposed AT&T Mobility transmitters at ground level is calculated to be 0.022 mW/sq. cm., which is 3.9% of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 59 feet which includes the areas of the roof but does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish, and Chinese. Workers should not have access to within 21 feet of the front of the antennas while in operation.

11. **Coverage and Capacity Verification.** The maps, data, and conclusion provided by AT&T to demonstrate need for coverage and capacity have been determined by an independent third party to accurately represent the carrier's present and post-installation conclusions.
12. **Maintenance Schedule.** The proposed facility would operate without on-site staff but with a two-person maintenance crew visiting the property approximately once a month and on an as-needed basis to service and monitor the facility.
13. **Community Outreach.** Per the *Guidelines*, the Project Sponsor held a Community Outreach Meeting for the proposed project. The meeting was held at 7:00 p.m. on February 28, 2012 at the Park Branch Library located at 1833 Page Street. Four members of the community attended the meeting. The primary concerns were EMF related. Additional topics of conversation included site selection and the planning process.
14. **Five-year plan:** Per the *Guidelines*, the project sponsor submitted its latest five-year plan, as required, in April 2012.
15. **Public Comment.** As of August 2nd, the Department has received one public comment opposed to the project based on proximity to their home.
16. **Planning Code Compliance.** The Commission finds that the Project is consistent with the relevant provisions of the Planning Code in the following manner:
 - A. **Use.** Per Planning Code Section 710.83, a Conditional Use authorization is required for the installation of other public uses such as wireless transmission facilities.
17. **Planning Code Section 303** establishes criteria for the Planning Commission to consider when reviewing applications for Conditional Use approval. On balance, the project does comply with said criteria in that:
 - A. The proposed new uses and building, at the size and intensity contemplated and at the proposed location, will provide a development that is necessary or desirable, and compatible with, the neighborhood or the community.

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

The proposed project at 901 Cole Street will be generally desirable and compatible with the surrounding neighborhood because the project will not conflict with the existing uses of the property and will be designed to be compatible with the surrounding nature of the vicinity. The approval of this authorization has been found, to insure public safety, and insure that the placement of antennas and related support and protection features are so located, designed, and treated architecturally to minimize their visibility from public places, to avoid intrusion into public vistas, avoid disruption of the architectural design integrity of buildings and insure harmony with neighborhood character. The project has been reviewed and determined to not cause the removal or alteration of any significant architectural features on the subject building.

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

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

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

The proposed project at 901 Cole Street is necessary in order to achieve sufficient street and in-building mobile phone coverage and data capacity. Recent drive tests in the subject area conducted by the AT&T Mobility Radio Frequency Engineering Team provide conclusive evidence that the subject property is the most viable location, based on factors including quality of coverage and aesthetics.

Although the project site is considered a Preference 6 (Limited Preference Site) according to the WTS Siting Guidelines, the subject site has been determined to be the most viable site to serve the geographic service area through an alternative site analysis. The proposed coverage area will serve the vicinity bounded by Stanyan, Rivoli, Downey, and Haight Streets, as indicated in the coverage maps. The alternative site analysis revealed that no publicly-used building or co-location site was available for the installation of the subject WTS facility. Additionally, the alternative site analysis examined seventeen sites in the service area that could potentially accommodate the WTS facility. The analysis revealed that the other proposed sites were not as desirable as the subject site for

several reasons with the most common limiting factors being an obtrusive/incompatible site design and operability of the site. This facility will improve coverage and capacity in the project area, as well as to provide necessary facilities for emergency transmission and improved communication for the neighborhood, community and the region.

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

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

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

The Department of Public Health conducted an evaluation of potential health effects from Radio Frequency radiation, and has concluded that the proposed wireless transmission facilities will have no adverse health effects 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 single maintenance crew visiting the site once a month or on an as-needed basis.

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

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

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

The antennas are screened from nearby public rights-of-way. Sector A would be located 9'6" from the northern elevation, and 9'10" from the eastern elevation within a faux chimney. Sector B is located 14 feet from the northern elevation and is not visible from the eastern elevation and located within faux vent pipes. Sector C is not visible from the northern elevation and is 9' from the eastern elevation within a faux chimney. When viewed from nearby public rights-of-way, the screen would not be visible from most vantage points. When visible, the chimneys and vent pipes would be minimally visible. The project will not affect existing landscaping.

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

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

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

The proposed project is consistent with the stated purpose of the Neighborhood Commercial Cluster District in that the intended use is located on an existing building and antennas screened from the street frontage.

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

HOUSING ELEMENT

BALANCE HOUSING CONSTRUCTION AND COMMUNITY INFRASTRUCTURE

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

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

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

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

URBAN DESIGN

HUMAN NEEDS

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

POLICY 4.14 - Remove and obscure distracting and cluttering elements.

The Project adequately “stealths” the proposed antennas within faux chimneys and faux vent pipes on the rooftop area where the antenna will be installed, with related equipment located within a shed located on

the ground and side of the building. The stealthed antennas would not be visible from most vantage points in the nearby public rights-of-way. When visible, the screen would be minimally visible.

COMMERCE AND INDUSTRY ELEMENT

Objectives and Policies

OBJECTIVE 1:

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

Policy 1:

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

Policy 2:

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

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

OBJECTIVE 2:

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

Policy 1:

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

Policy 3:

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

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

OBJECTIVE 4:

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

Policy 1:

Maintain and enhance a favorable business climate in the City.

Policy 2:

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

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

VISITOR TRADE

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

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

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

COMMUNITY SAFETY ELEMENT

Objectives and Policies

OBJECTIVE 3:

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

Policy 1:

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

Policy 2:

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

Policy 3:

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

Policy 4:

Establish and maintain an adequate Emergency Operations Center.

Policy 5:

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

Policy 6:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- G. That landmarks and historic buildings be preserved.

The proposed screening will be installed to conceal the proposed antennas on the rooftop and will minimize the visibility of the antennas from nearby public rights-of-way. Additionally, mounting the antennas on the rooftop would not affect any character-defining features of the building. The faux chimneys and vent pipes have been designed so they would not be visible from most vantage points in nearby public rights-of-way. When visible, the faux chimneys and vent pipes would be minimally

visible from select vantage points as viewed from the public right-of-way. By minimizing the visibility of the proposed antennas, the project would not significantly alter the subject building.

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

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

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

DECISION

The Commission, after carefully balancing the competing public and private interests, and based upon the Recitals and Findings set forth above, in accordance with the standards specified in the Code, hereby approves the Conditional Use authorization under Planning Code Sections 710.83 and 303 to install up to nine panel antennas and associated equipment cabinets at the Project Site and as part of a wireless transmission network operated by AT&T Mobility on a Location Preference 6 (Preferred Location – Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, within a NC-1 (Neighborhood Commercial Cluster) Zoning District and a 40-X Height and Bulk District and subject to the conditions of approval attached hereto as **Exhibit A**.

APPEAL AND EFFECTIVE DATE OF MOTION: Any aggrieved person may appeal this conditional use authorization to the Board of Supervisors within thirty (30) days after the date of this Motion No. 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 9, 2012**.

Linda Avery
Commission Secretary

AYES

NAYS:

ABSENT:

ADOPTED: August 9, 2012

EXHIBIT A

AUTHORIZATION

This authorization is for a Conditional Use Authorization under Planning Code Sections 710.83 and 303 to install a wireless telecommunications service facility consisting of up to nine panel antennas with related equipment, a Location Preference 6 (Limited Preference Site) according to the Wireless Telecommunications Services (WTS) Siting Guidelines, as part of AT&T's wireless telecommunications network within the NC-1 Neighborhood Commercial Cluster District and a 40-X Height and Bulk District.

RECORDATION OF CONDITIONS OF APPROVAL

Prior to the issuance of the building permit or commencement of use for the Project the Zoning Administrator shall approve and order the recordation of a Notice in the Official Records of the Recorder of the City and County of San Francisco for the subject property. This Notice shall state that the project is subject to the conditions of approval contained herein and reviewed and approved by the Planning Commission on **August 9, 2012** under Motion No. xxxxx.

PRINTING OF CONDITIONS OF APPROVAL ON PLANS

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

SEVERABILITY

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

CHANGES AND MODIFICATIONS

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

Conditions of Approval, Compliance, Monitoring, and Reporting

PERFORMANCE

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

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

2. **Extension.** This authorization may be extended at the discretion of the Zoning Administrator only where failure to issue a permit by the Department of Building Inspection to perform said tenant improvements is caused by a delay by a local, State or Federal agency or by any appeal of the issuance of such permit(s).

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

DESIGN – COMPLIANCE AT PLAN STAGE

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

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

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

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

MONITORING - AFTER ENTITLEMENT

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

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

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

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

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

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

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

8. Implementation Costs - WTS.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

OPERATION

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

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

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

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

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

16. **Emissions Conditions – WTS.** It is a continuing condition of this authorization that the facilities be operated in such a manner so as not to contribute to ambient RF/EMF emissions in excess of then current FCC adopted RF/EMF emission standards; violation of this condition shall be grounds for revocation.

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

17. **Noise and Heat – WTS.** The WTS facility, including power source and cooling facility, shall be operated at all times within the limits of the San Francisco Noise Control Ordinance. The WTS facility, including power source and any heating/cooling facility, shall not be operated so as to cause the generation of heat that adversely affects a building occupant.

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

18. **Transfer of Operation – WTS.** Any carrier/provider authorized by the Zoning Administrator or by the Planning Commission to operate a specific WTS installation may assign the operation of the facility to another carrier licensed by the FCC for that radio frequency provided that such transfer is made known to the Zoning Administrator in advance of such operation, and all conditions of approval for the subject installation are carried out by the new carrier/provider.

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

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

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

Zoning Map



SUBJECT PROPERTY



Case Number 2011.1396C
AT&T Mobility WTS Facility
901 Cole St

Aerial Photo



SUBJECT PROPERTY



Case Number 2011.1396C
AT&T Mobility WTS Facility
901 Cole St

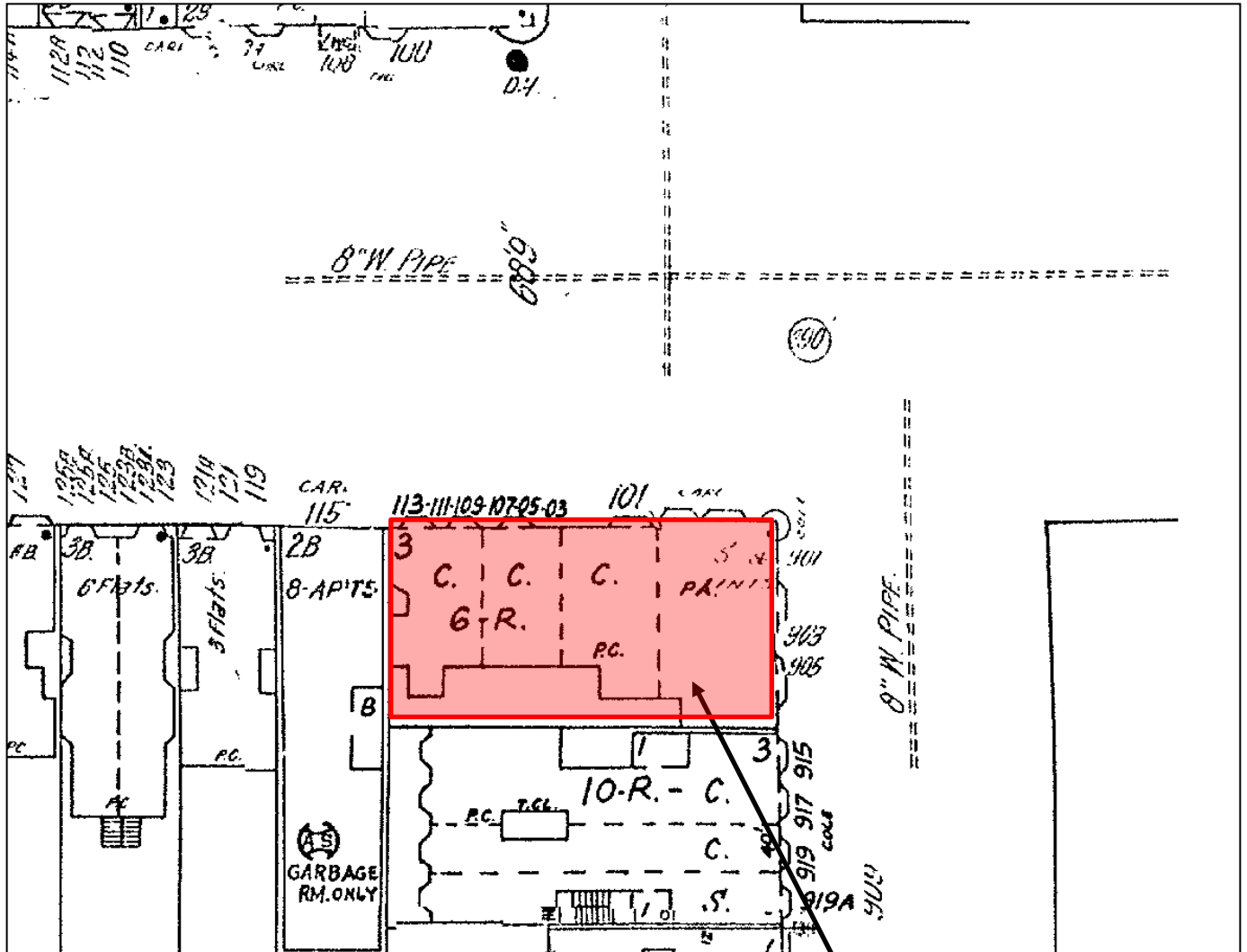
Parcel Map



SUBJECT PROPERTY

Case Number 2011.1396C
AT&T Mobility WTS Facility
901 Cole St

Sanborn Map*



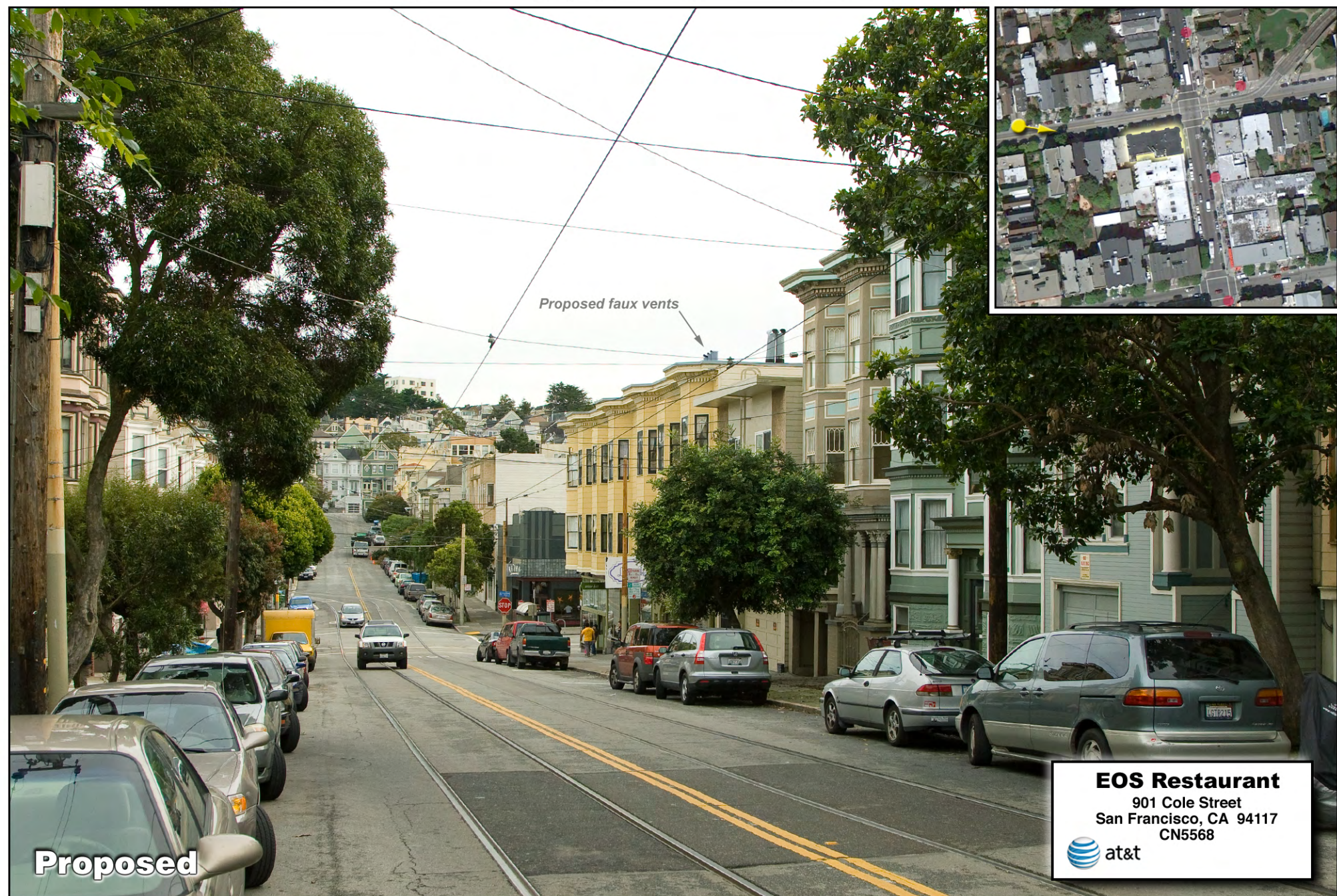
SUBJECT PROPERTY

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



Case Number 2011.1396C
AT&T Mobility WTS Facility
901 Cole St

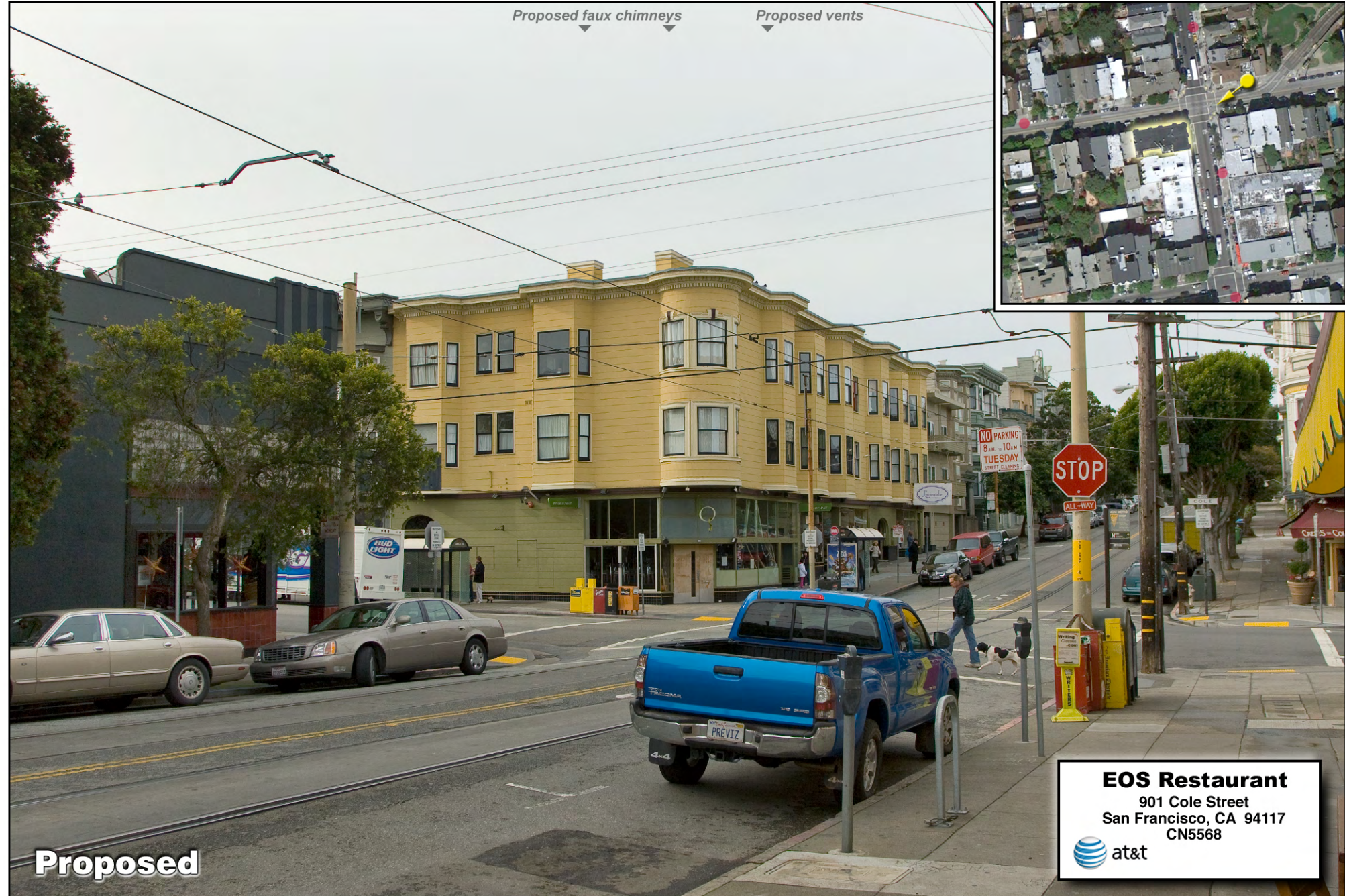
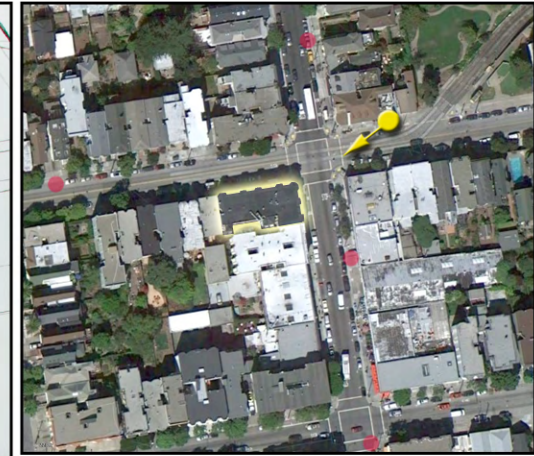
Photosimulation of view looking east down Carl Street, looking toward Cole Street.



Photosimulation of view looking southwest along the north side of Carl Street, just east of Cole Street.

Proposed faux chimneys

Proposed vents



Proposed

EOS Restaurant
 901 Cole Street
 San Francisco, CA 94117
 CN5568



Photosimulation of view looking northwest from across Cole Street, just south of Carl Street.



**AT&T Mobility • Proposed Base Station (Site No. CN5568B)
901 Cole 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. CN5568B) proposed to be located at 901 Cole Street in San Francisco, California, for compliance with appropriate guidelines limiting human exposure to radio frequency (“RF”) electromagnetic fields.

Background

The San Francisco Department of Public Health has adopted a 10-point checklist for determining compliance of proposed WTS facilities or proposed modifications to such facilities with prevailing safety standards. The acceptable limits set by the FCC for exposures of unlimited duration are:

<u>Wireless Service</u>	<u>Frequency Band</u>	<u>Occupational Limit</u>	<u>Public Limit</u>
Microwave (Point-to-Point)	5,000–80,000 MHz	5.00 mW/cm ²	1.00 mW/cm ²
BRS (Broadband Radio)	2,600	5.00	1.00
AWS (Advanced Wireless)	2,100	5.00	1.00
PCS (Personal Communication)	1,950	5.00	1.00
Cellular	870	2.90	0.58
SMR (Specialized Mobile Radio)	855	2.85	0.57
700 MHz	700	2.40	0.48
[most restrictive frequency range]	30–300	1.00	0.20

The site was visited by Mr. David Kelly, a qualified field technician contracted by Hammett & Edison, Inc., during normal business hours on June 2, 2011, a non-holiday weekday, and reference has been made to information provided by AT&T, including zoning drawings by TRK Engineering, Ltd., dated March 26, 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.

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

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

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

There were observed two omnidirectional antennas mounted on the outside corner of the roof parapet of the building across Cole Street, about 60 feet away.



**AT&T Mobility • Proposed Base Station (Site No. CN5568B)
901 Cole Street • San Francisco, California**

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

AT&T proposes to install nine directional panel antennas – six Powerwave Model P65-15-XLH-RR and three Andrew Model TBXLHB-6565A-VTM – within five view screen enclosures – three configured to resemble vents and two configured to resemble chimneys – to be installed above the roof of the three-story mixed-use building located at 901 Cole Street. The antennas would be mounted with up to 6° downtilt at effective heights of at least 44½ feet above ground, 3½ feet above the roof, and would be oriented in identical groups of three toward 0°T, 100°T, and 220°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 7,170 watts, representing simultaneous operation at 4,540 watts for PCS, 1,740 watts for cellular, and 890 watts for 700 MHz service.

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

The drawings show the proposed antennas to be installed as described in Item 4 above. There were noted buildings of similar height located at least 70 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 0.022 mW/cm², which is 3.9% of the applicable public exposure limit. Ambient RF levels at the site are therefore estimated to be below 4.9% of the limit. The three-dimensional perimeter of RF levels equal to the public exposure limit is calculated to extend up to 59 feet out from the antenna faces and to much lesser distances above, below, and to the sides; this includes large areas of the roof of the building but does not reach any publicly accessible areas.

9. Describe proposed signage at site.

Due to their mounting locations, the AT&T antennas would not be accessible to the general public, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. To prevent occupational exposures in excess of the FCC guidelines, no access within 21 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



**AT&T Mobility • Proposed Base Station (Site No. CN5568B)
901 Cole Street • San Francisco, California**

that occupational protection requirements are met. Marking “Prohibited Access Areas” with red paint stripes on the roof in front of the antennas and “Worker Notification Areas” with yellow paint stripes, as shown in Figure 1 attached, and posting explanatory warning signs* at the roof access hatch and on the enclosures in front of the antennas, such that the signs would be readily visible from any angle of approach to persons who might need to work within that distance, would be sufficient to meet FCC-adopted guidelines.

10. Statement of authorship.

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2013. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

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



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

April 2, 2012

* 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. CN5568B)
901 Cole Street • San Francisco, California

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



Notes:
Base drawing from TRK Engineering, Ltd., dated March 26, 2012.
“Prohibited Access Areas” should be marked with red paint stripes, “Worker Notification Areas” should be marked with yellow paint stripes, and explanatory warning signs should be posted outside the areas, readily visible to authorized workers needing access. See text.



Review of Cellular Antenna Site Proposals

Project Sponsor : AT&T Wireless **Planner:** Jonas Ionin
RF Engineer Consultant: Hammett and Edison **Phone Number:** (707) 996-5200
Project Address/Location: 901 Cole St
Site ID: 1428 **SiteNo.:** CN5568

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: 7170 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: 7170 watts.
- X 7. Preferred method of attachment of proposed antenna (roof, wall mounted, monopole) with plot or roof plan. Show directionality of antennas. Indicate height above roof level. Discuss nearby inhabited buildings (particularly in direction of antennas) (WTS-FSG, Section 10.4.1d)
- X 8. Report estimated ambient radio frequency fields for the proposed site (identify the three-dimensional perimeter where the FCC standards are exceeded.) (WTS-FSG, Section 10.5) State FCC standard utilized and power density exposure level (i.e. 1986 NCRP, 200 μw/cm²)
 Maximum RF Exposure: 0.022 mW/cm² Maximum RF Exposure Percent: 3.9
- 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.

<input checked="" type="checkbox"/> Public_Exclusion_Area	Public Exclusion In Feet:	<u>59</u>
<input checked="" type="checkbox"/> Occupational_Exclusion_Area	Occupational Exclusion In Feet:	<u>21</u>

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 901 Cole Street. Existing RF levels at ground level were around 1% of the FCC public exposure limit. There were observed two similar antennas located on an adjacent building about 60 feet away but no other antennas are within 100 feet of this site. AT&T Wireless proposes to install 9 new antennas. The antennas will be mounted at a height of about 45 feet above the ground. The estimated ambient RF field from the proposed AT&T Wireless transmitters at ground level is calculated to be 0.022 mW/sq cm., which is 3.9 % of the FCC public exposure limit. The three dimensional perimeter of RF levels equal to the public exposure limit extends 59 feet which includes areas of the rooftop but does not reach any publicly accessible areas. Warning signs must be posted at the antennas and roof access points in English, Spanish and Chinese. Worker should not have access to within 21 feet of the front of the antennas while they are in operation. Prohibited access areas should be marked with red striping on the rooftop and worker notification areas with yellow striping on the rooftop.

 Not Approved, additional information required.

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

 1 Hours spent reviewing

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

Signed: _____



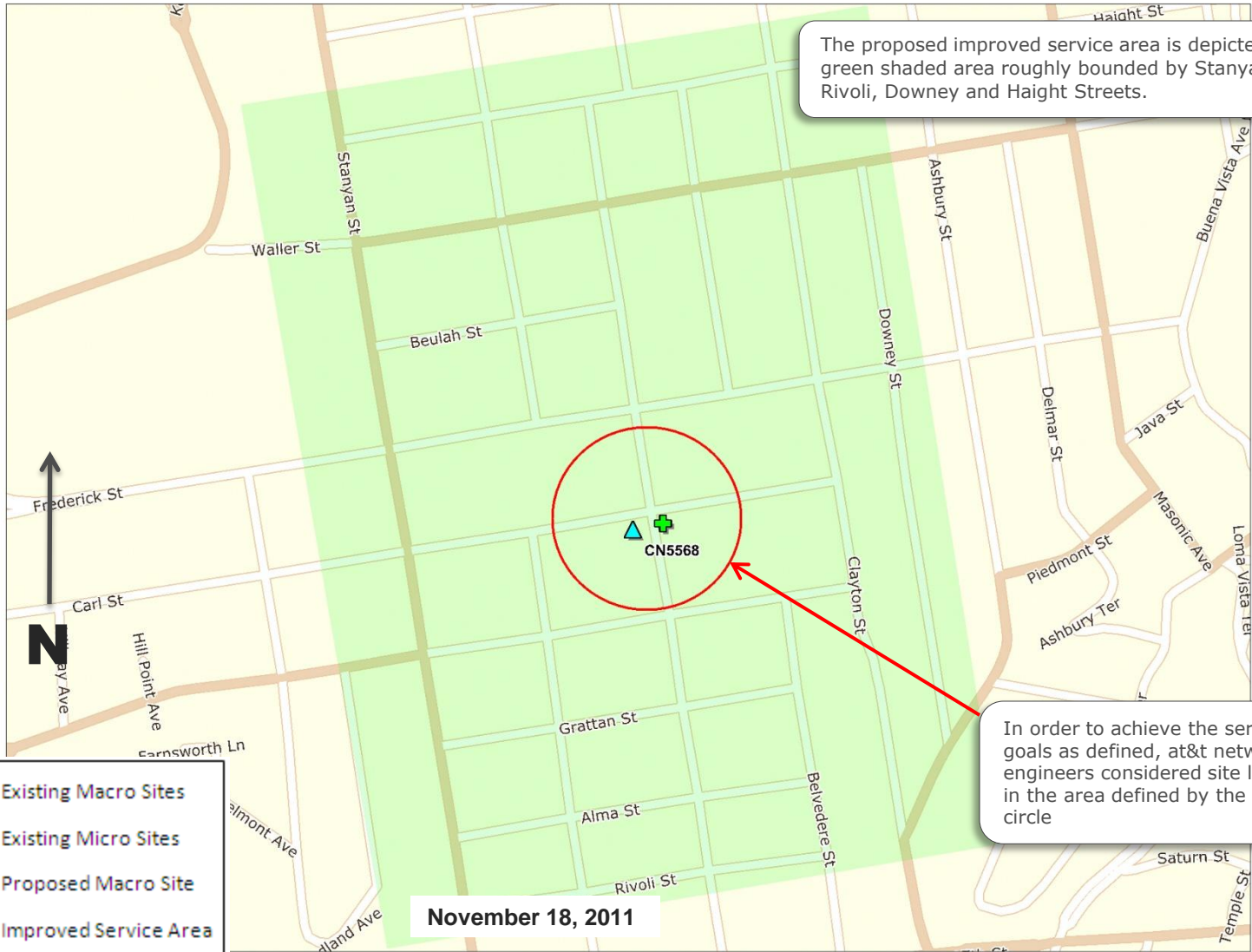
Dated: 4/16/2012

Patrick Fosdahl

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

Service Improvement Objective (CN5568)

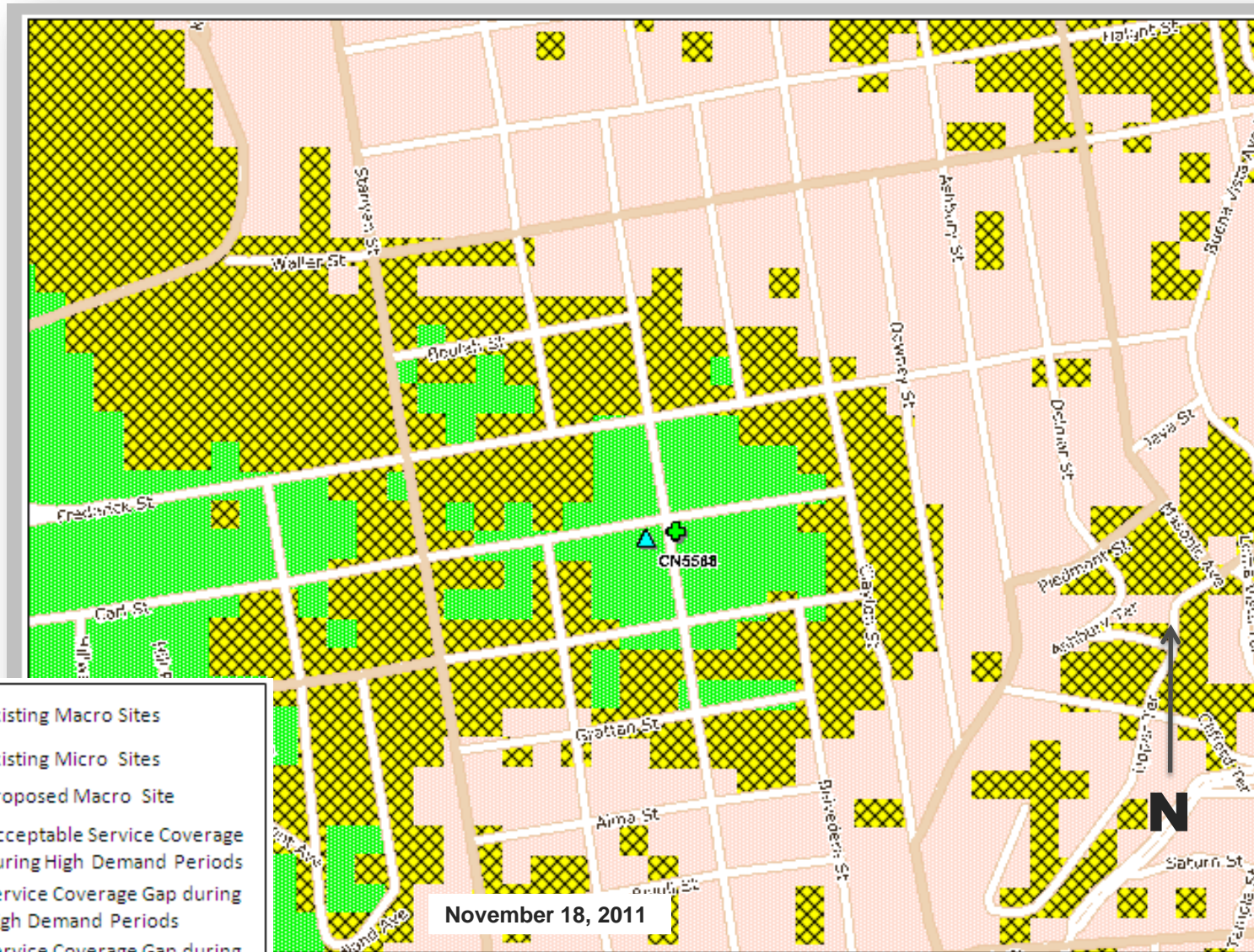
901 Cole Street



- ▲ Existing Macro Sites
- ✚ Existing Micro Sites
- ▲ Proposed Macro Site
- Improved Service Area
- Site Search Area

Proposed Site at 901 Cole (CN5568)

Service Area BEFORE site is constructed

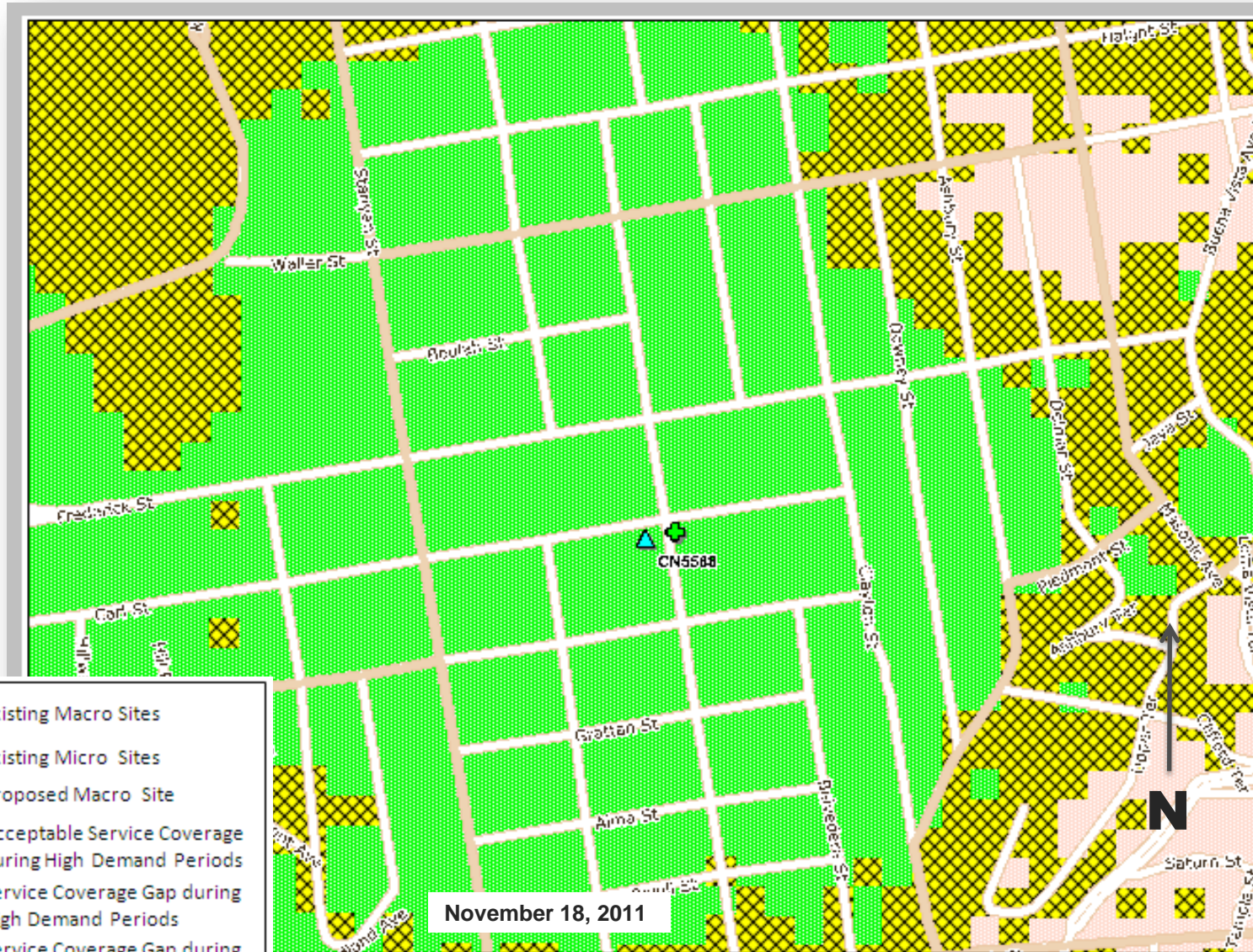


- ▲ Existing Macro Sites
- ✚ Existing Micro Sites
- ▲ Proposed Macro Site
- Acceptable Service Coverage during High Demand Periods
- ▨ Service Coverage Gap during High Demand Periods
- Service Coverage Gap during All Demand Periods

November 18, 2011

Proposed Site at 901 Cole (CN5568)

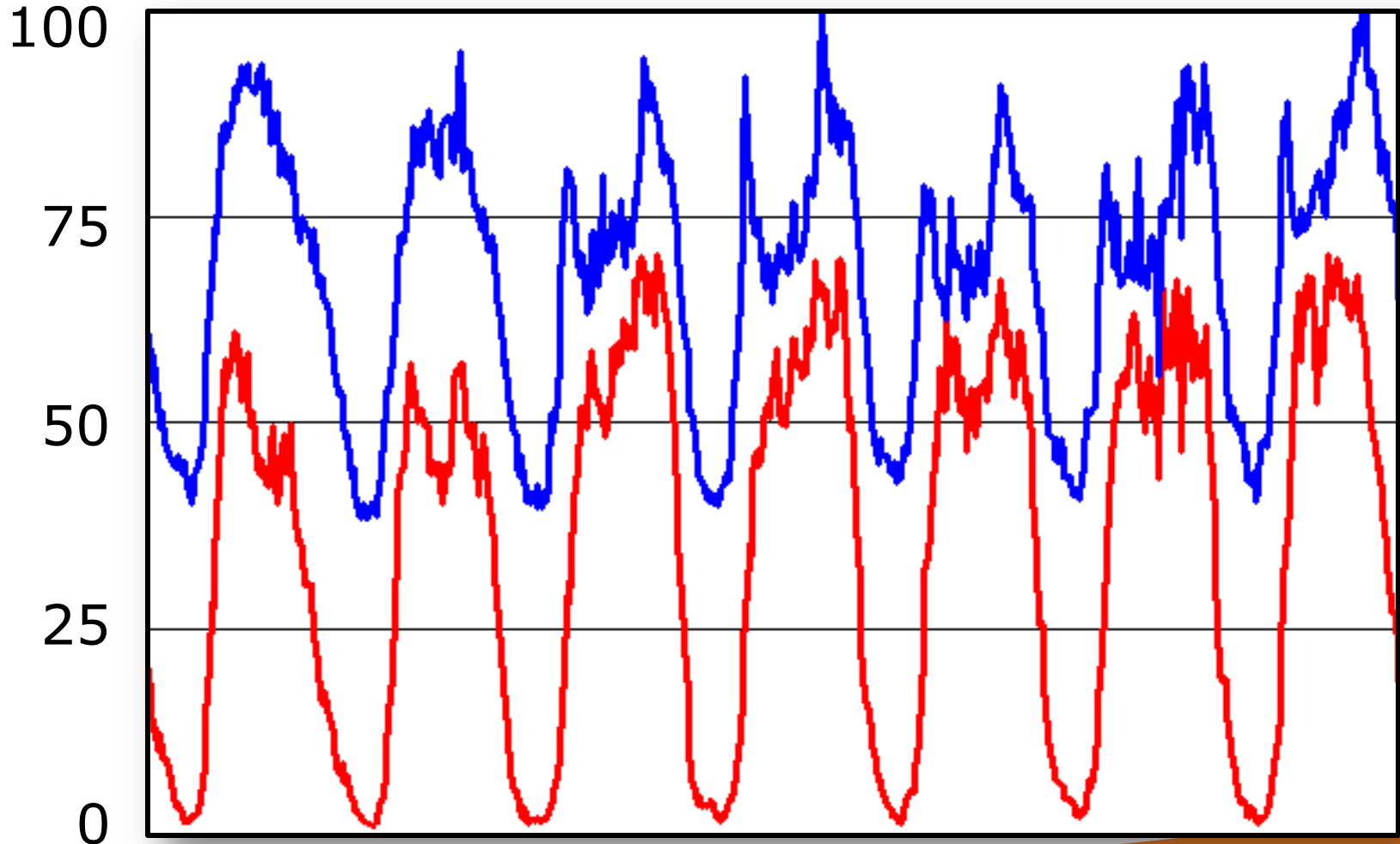
Service Area AFTER site is constructed



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

Current 7-Day Traffic Profile for the Location of CN5568

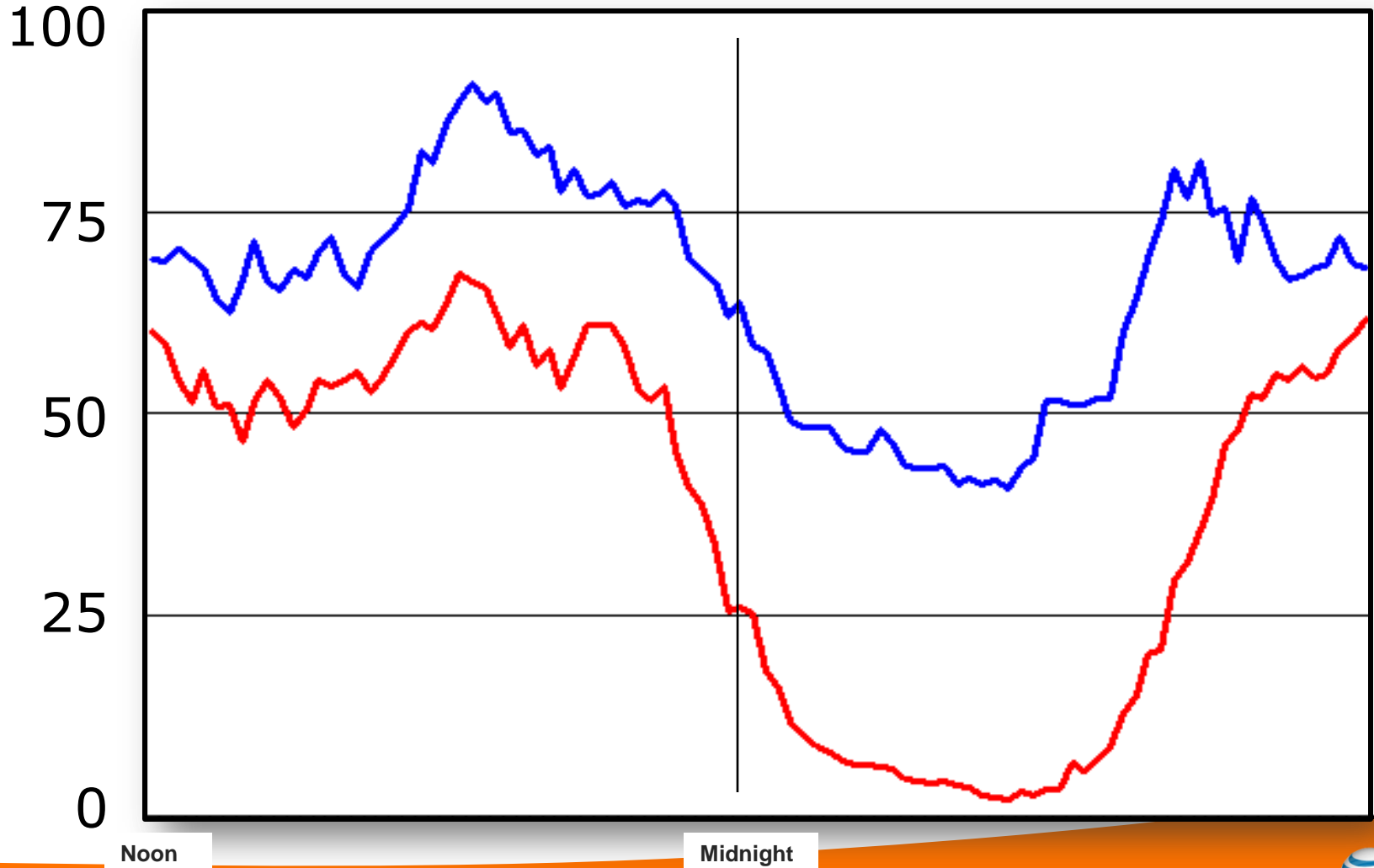
— Data Traffic
— Voice Traffic



October 28, 2011

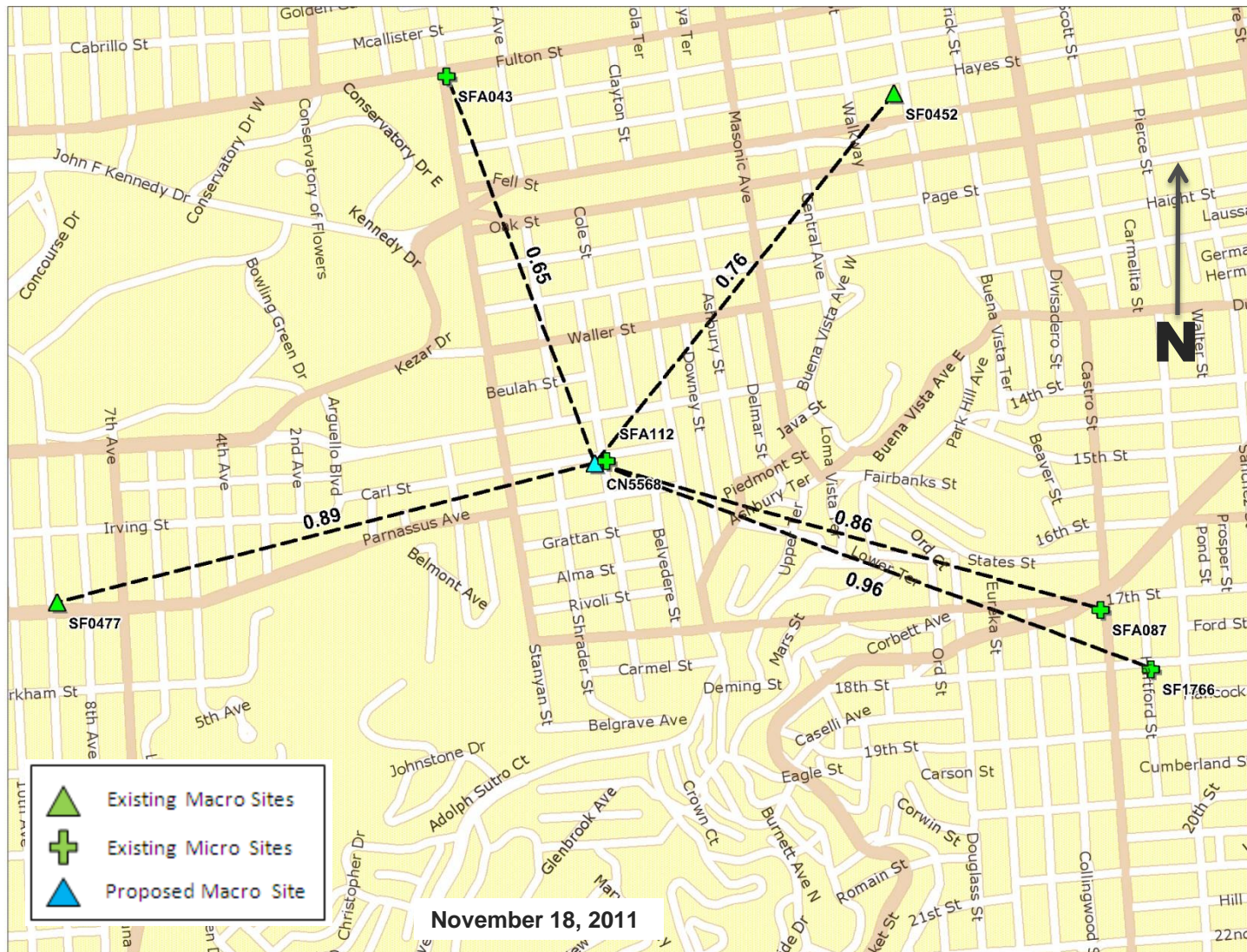
Current 24-Hour Traffic Profile for the Location of CN5568

— Data Traffic
— Voice Traffic



Existing Surrounding Sites at 901 Cole

CN5568





HAMMETT & EDISON, INC.
 CONSULTING ENGINEERS
 BROADCAST & WIRELESS

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

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

BY E-MAIL MICHELLE.STAHLHUT@SFGOV.ORG

July 25, 2012

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

Dear Michelle:

Our firm was selected to conduct the review required by the City of San Francisco of the coverage maps submitted by AT&T Mobility as part of its application package for its base station proposed to be located at 901 Cole Street (Site No. CN5568). This is to fulfill the new submittal requirements for Planning Department review.

Executive Summary

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

AT&T proposes to install nine directional panel antennas – six Powerwave Model P65-15-XLH-RR and three Andrew Model TBXLHB-6565A-VTM – within five view screen enclosures – three configured to resemble vents and two configured to resemble chimneys – to be installed above the roof of the three-story mixed-use building located at 901 Cole Street. The antennas would be mounted with up to 6° downtilt at effective heights of at least 44½ feet above ground, 3½ feet above the roof, and would be oriented in identical groups of three toward 0°T, 100°T, and 220°T. The maximum effective radiated power proposed by AT&T in any direction is 7,170 watts, representing simultaneous operation at 4,540 watts for PCS, 1,740 watts for cellular, and 890 watts for 700 MHz service.

AT&T submitted two pairs of coverage maps to the City, dated July 8, 2012, separately showing AT&T's cellular UMTS (850 MHz) and 4G LTE (700 MHz) coverage in the area both before and after the site is operational. 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.

Ms. Michelle Stahlhut, page 2
July 25, 2012

Further, as part of the application, AT&T provided a current 24-hour traffic profile for the site. The profile indicates that the highest data and voice traffic for this area occurs from about 5:00 PM to about 10:30 PM.

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

As a second step, we conducted our own drive test to measure the actual AT&T UMTS and 4G LTE signal strength in the vicinity of the proposed site. Our fieldwork was conducted on July 17, 2012, between 6:20 PM and 8:30 PM, during peak traffic times as reported by AT&T.

UMTS 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. At the same time, 4G LTE data was collected using a Rohde & Schwarz Spectrum Analyzer Type FSL6 fed by a Mobile Mark Inc., Model RM-WLF-1C10 omnidirectional antenna installed on the roof of our custom-outfitted GMC Safari van. A computer was used in conjunction with the spectrum analyzer and a GPS receiver to automatically collect signal strength and location data at a rate of about 7 samples per second.

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.

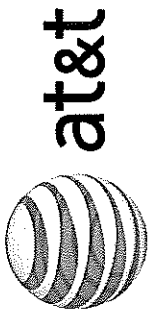
Sincerely yours,



William F. Hammett, P.E.

tm





901 Cole Street, Community Meeting
February 28, 2012

Name	Address	Phone/Email
TONY KIM		tony@townconsulting.com
Kent SWISHER		kswisher@h-e.com
TEREY LOUHEIDE	104 CARL ST SF CA	
STEVEN SCHICK	104 CARL ST SF CA	steven8@pacbell.net
SUDI SIML	360 Frederick St.	282-8185 No E-mail
Ani Hartley	360 Frederick St. #6	242-9538 aquila@pacbell.net

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

To: Neighborhood Groups and Neighbors & Owners within 500' radius of 101-103, 111 Carl, 901-905 Cole Street

Meeting Information

Date: Tuesday February 28, 2012
Time: 7:00 p.m.

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

Site Information

Address: 101-103, 111 Carl Street,
901-905 Cole Street
Block/Lot: 1272/001
Zoning: NC-1

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 101-103, 111 Carl Street, 901-905 Cole 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 Park Branch Library, 1833 Page Street, on Tuesday, February 28, 2012 at 7:00 p.m. to learn more about the project.

If you have any questions regarding the proposal and are unable to attend the meeting, please contact the AT&T Mobility Hotline at (415) 646-0972 and an AT&T Mobility specialist will return your call. Please contact Sara Vellve, staff planner with the San Francisco Planning Department at (415)558-6263 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 5:00 pm on Friday, February 24, 2012 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 101-103, 111 Carl, 901-905 Cole Street

Información de la reunión

Fecha: Martes 28 de febrero de 2012
Hora: 7:00 p.m.

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

Información del lugar

Dirección: 101-103, 111 Carl Street,
901-905 Cole Street
Cuadra/Lote: 1272/001
Zonificación: NC-1

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 101-103, 111 Carl Street, 901-905 Cole 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 at Park Branch Library, 1833 Page Street, el martes, el 28 de febrero de 2012 a las 7:00 p.m. para tener más información sobre el proyecto.

Si tiene preguntas relacionadas con la propuesta y no puede asistir a la reunión, por favor, llame a la Línea Directa de AT&T Mobility, (415) 646-0972, y un especialista de AT&T Mobility le devolverá el llamado. Por favor, contacte a Sara Vellve, planificadora de personal, en el Departamento de Planificación de la Ciudad de San Francisco al (415) 558-6263 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 el 24 de febrero 2012 antes de las 5:00 p.m., y haremos todos lo posible para proporcionarle un intérprete.

關於計畫在您所在街區安裝一座無線通信設施的社區資訊通報會通知

致：Carl 街 101-103 號及 111 號及 Cole 街 901-905 號周圍五百英尺內的居民組織、居民和業主

會議資訊

日期：2012 年 2 月 28 日（星期二）
時間：下午 7:00
地點：加利福尼亞州三藩市Page街1833
號Park Branch Library（郵遞區號94117）

設施地點資訊

地址：Carl 街 101-103 號及 111 號
Cole 街 901-905 號
街區/地段：1272/001
分區：NC-1

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 Carl 街 101-103 號及 111 號及 Cole 街 901-905 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。這些天線將被放置在屋頂，並被遮罩起來。相關設備將被放置在該建築內，公眾從外面看不到這些設備。我們在會上將提供計畫書和類比圖片供您參考。我們誠邀您參加定於 2012 年 2 月 28 日（星期二）下午 7:00 在 Page 街 1833 號 Park Branch Library 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) 558-6263與三藩市城市規劃局的規劃員Sara Vellve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 2012 年 2 月 24 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。

From: [Fatehi, Pedram](#)
To: [Michelle Stahlhut](#)
Subject: re: Case No. 2011.1396C
Date: 07/22/2012 09:24 PM

re: Case No. 2011.1396C

Dear Ms. Stahlhut,

May I enter my comments with you about this case? I would simply like to say that I am AGAINST the installation of multiple wireless antennas so close to our home.

Thanks for your consideration,

Pedram Fatehi
101 Parnassus Ave, #6
San Francisco, CA 94117

DRAWING INDEX

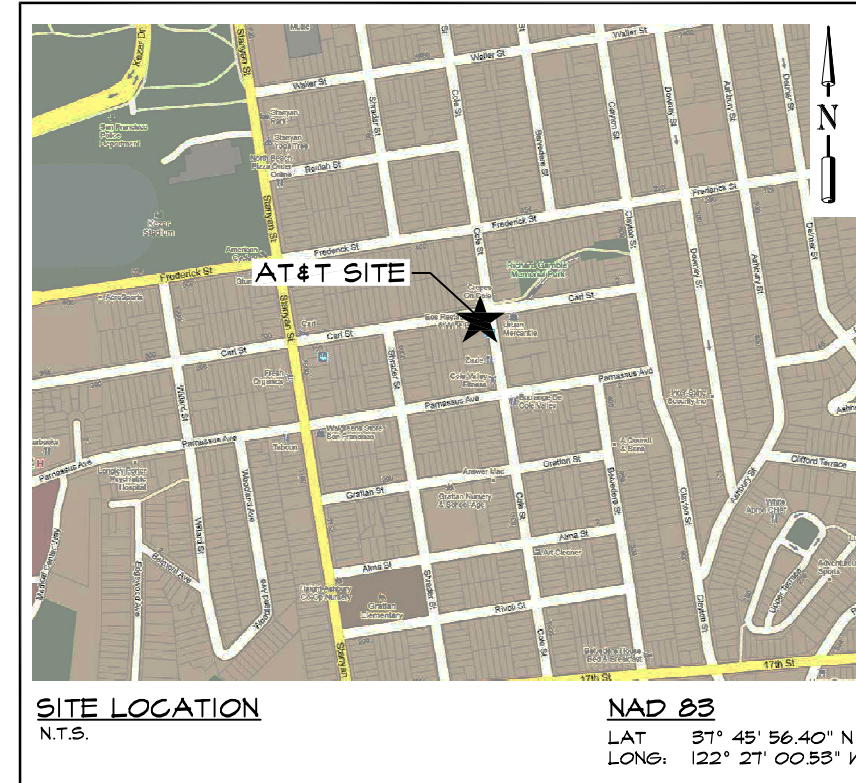
REV. NO.	DWG. NO.	DESCRIPTION
17	Z-1	COVER SHEET
0	LS-1	SITE SURVEY
16	Z-2	SITE PLAN
17	Z-3	ROOF PLAN
15	Z-3A	EQUIPMENT COMPOUND LAYOUT
16	Z-4	NORTH ELEVATION
14	Z-5	EAST ELEVATION
16	Z-6	SOUTH ELEVATION
16	Z-7	WEST ELEVATION
12	Z-8	LTE/UMTS CABINET DETAILS
12	Z-9	GSM CABINET DETAILS
13	Z-10	POWER AND BATTERY CABINET DETAILS
12	Z-11	RF DETAILS



EOS
CN5568B

DIRECTIONS FROM AT&T'S SAN FRANCISCO OFFICE:

- DEPART FROM 430 BUSH ST, SAN FRANCISCO, CA 94108
- HEAD EAST ON BUSH ST TOWARD CLAUDE LN 0.1 MI
- TURN RIGHT AT MONTGOMERY ST 0.2 MI
- TURN RIGHT AT MARKET ST 2.6 MI
- SLIGHT RIGHT AT 17TH ST 0.8 MI
- TURN RIGHT AT COLE ST 0.3 MI
- ARRIVE AT 901 COLE ST, SAN FRANCISCO CA 94117



SITE LOCATION
N.T.S.

NAD 83
LAT 37° 45' 56.40" N
LONG: 122° 27' 00.53" W



PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-043Z1

SUBMITTALS

REV	DATE	DESCRIPTION
17	JUL 03/12	REVISED LEASE AREA
16	JUN 12/12	REVISED LEASE AREA
15	APR 10/12	REVISED PER ERICSSON
14	MAR 26/12	REVISED PER ERICSSON
13	FEB 28/12	REVISED PER ERICSSON
12	JAN 24/12	REVISED PER ERICSSON
11	DEC 16/11	REVISED PER ERICSSON
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8	DEC 02/11	REVISED PER ERICSSON
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6	NOV 16/11	REVISED PER ERICSSON
5	NOV 05/11	REVISED PER ERICSSON
4	OCT 26/11	REVISED PER ERICSSON
3	SEP 7/11	REVISED PER ERICSSON
2	JUN 01/11	REVISED PER ERICSSON
1	MAY 18/11	REVISED PER ERICSSON

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A&E SEAL

SITE

EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

SHEET TITLE

COVER SHEET

SHEET NUMBER

Z-1

PROJECT ADDRESS:

901 COLE STREET
SAN FRANCISCO, CA 94117

APN:

1272-001

DESCRIPTION OF WORK:

THE PROJECT CONSISTS OF THE T.I. INSTALLATION OF INDOOR CABINETS ON GRADE AND THE INSTALLATION OF (9) PANEL ANTENNAS SCREENED ON EXISTING ROOFTOP.

APPLICANT:

AT&T
430 BUSH ST
SAN FRANCISCO, CA 94108

PROPERTY OWNER:

T.B.D.

CODE INFORMATION:

ZONING CLASSIFICATION:	NC-1
PROPOSED USE:	TELECOMMUNICATION FACILITY
BUILDING CODE:	2010 SAN FRANCISCO BUILDING CODE
ELECTRICAL CODE:	2010 SAN FRANCISCO ELECTRICAL CODE
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	T.B.D.
PROJECT AREA:	PREMISES: 302 SQ. FT. EQUIPMENT SPACE: 105 SQ. FT. TOTAL ANTENNA SPACE: 197 SQ. FT. EASEMENT AREA: 230 SQ. FT.
STRUCTURE HEIGHT:	±41'-4" A.G.L. (T.O. EXISTING PARAPET/ROOF) ±49'-4" A.G.L. (T.O. PROPOSED ANTENNA COVER)

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: TONY PINO
PHONE: (415) 760-4921
EMAIL: nelson.pino@ericsson.com

SITE DEVELOPMENT:

TOWN CONSULTING
100 CLEMENT ST, 3RD FLOOR
SAN FRANCISCO, CA 94118
CONTACT: STEVE CARBULLIDO
PHONE: (650) 315-7633

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		



NOTES:

SITE PLAN INFORMATION WAS OBTAINED FROM A SURVEY PREPARED BY TIMOTHY SCHAD, L.S., DATED MARCH 25, 2011.

LEGAL DESCRIPTION:

PENDING RECEIPT OF PRELIMINARY TITLE REPORT



PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-043Z2

SUBMITTALS

16	JAN 12/12	REVISED LEASE AREA
15	APR 10/12	REVISED PER ERICSSON
14	MAR 26/12	REVISED PER ERICSSON
13	FEB 28/12	REVISED PER ERICSSON
12	JAN 24/12	REVISED PER ERICSSON
11	DEC 16/11	REVISED PER ERICSSON
10	DEC 07/11	REVISED PER ERICSSON
9	DEC 05/11	REVISED PER ERICSSON
8	DEC 02/11	REVISED PER ERICSSON
7	NOV 30/11	REVISED PER ERICSSON
6	NOV 18/11	REVISED PER ERICSSON
5	NOV 09/11	REVISED PER ERICSSON
4	OCT 26/11	REVISED PER ERICSSON
3	SEP 11/11	REVISED PER ERICSSON
2	JAN 01/11	REVISED PER ERICSSON
1	MAY 18/11	REVISED PER ERICSSON
0	APR 28/11	100% ZD'S

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A&E SEAL

SITE

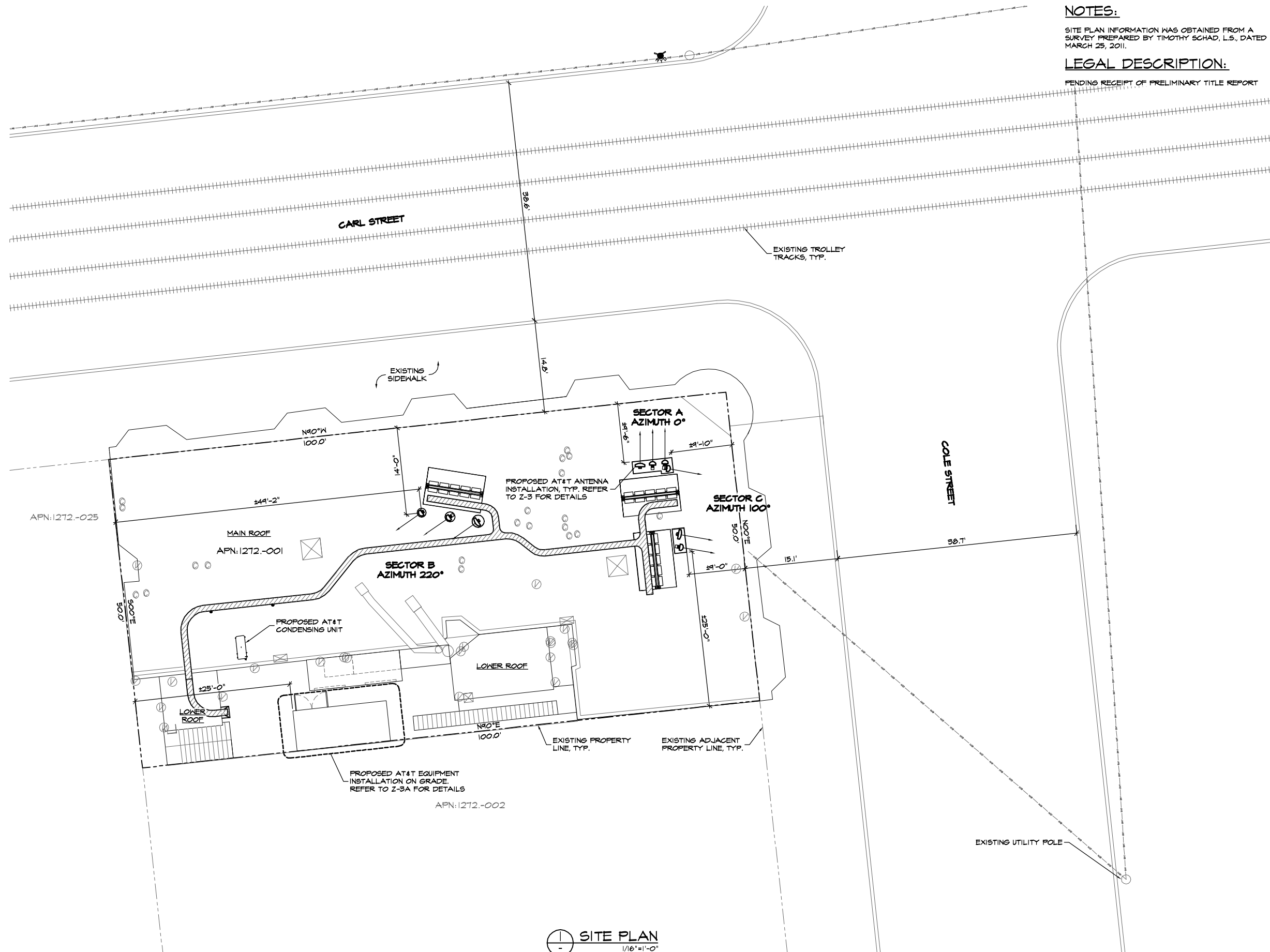
EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

SHEET TITLE

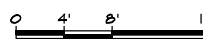
SITE PLAN

SHEET NUMBER

Z-2



SITE PLAN
1/16"=1'-0"





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

NOTES:

1. ROOF PLAN INFORMATION WAS OBTAINED FROM SITE MEASUREMENTS TAKEN BY TRK ENGINEERING LTD. DATED MARCH 25, 2011 AND A SURVEY PREPARED BY TIMOTHY SCHAD, L.S., DATED MARCH 25, 2011.
2. RF WARNING SIGNAGE WILL BE POSTED AT ALL ROOFTOP ACCESS LOCATIONS.
3. CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ROOF MEMBRANE DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED TO AS NEW CONDITION IN ACCORDANCE WITH STANDARD ROOFING PRACTICES.
5. CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
6. PAINT FRP SHROUDS TO MATCH EXISTING BUILDING EXTERIOR.



PROJECT NO: 1159-043
 DRAWN BY: L.S.
 CHECKED BY: R.M.
 CAD FILE: 1159-043Z3

SUBMITTALS		
17	JUL 03/12	REVISED LEASE AREA
16	JUN 12/12	REVISED LEASE AREA
15	APR 10/12	REVISED PER ERICSSON
14	MAR 26/12	REVISED PER ERICSSON
13	FEB 28/12	REVISED PER ERICSSON
12	JAN 24/12	REVISED PER ERICSSON
11	DEC 16/11	REVISED PER ERICSSON
10	DEC 07/11	REVISED PER ERICSSON
9	DEC 05/11	REVISED PER ERICSSON
8	DEC 02/11	REVISED PER ERICSSON
7	NOV 30/11	REVISED PER ERICSSON
6	NOV 18/11	REVISED PER ERICSSON
5	NOV 08/11	REVISED PER ERICSSON
4	OCT 26/11	REVISED PER ERICSSON
3	SEP 7/11	REVISED PER ERICSSON
2	JUN 01/11	REVISED PER ERICSSON
1	MAY 18/11	REVISED PER ERICSSON

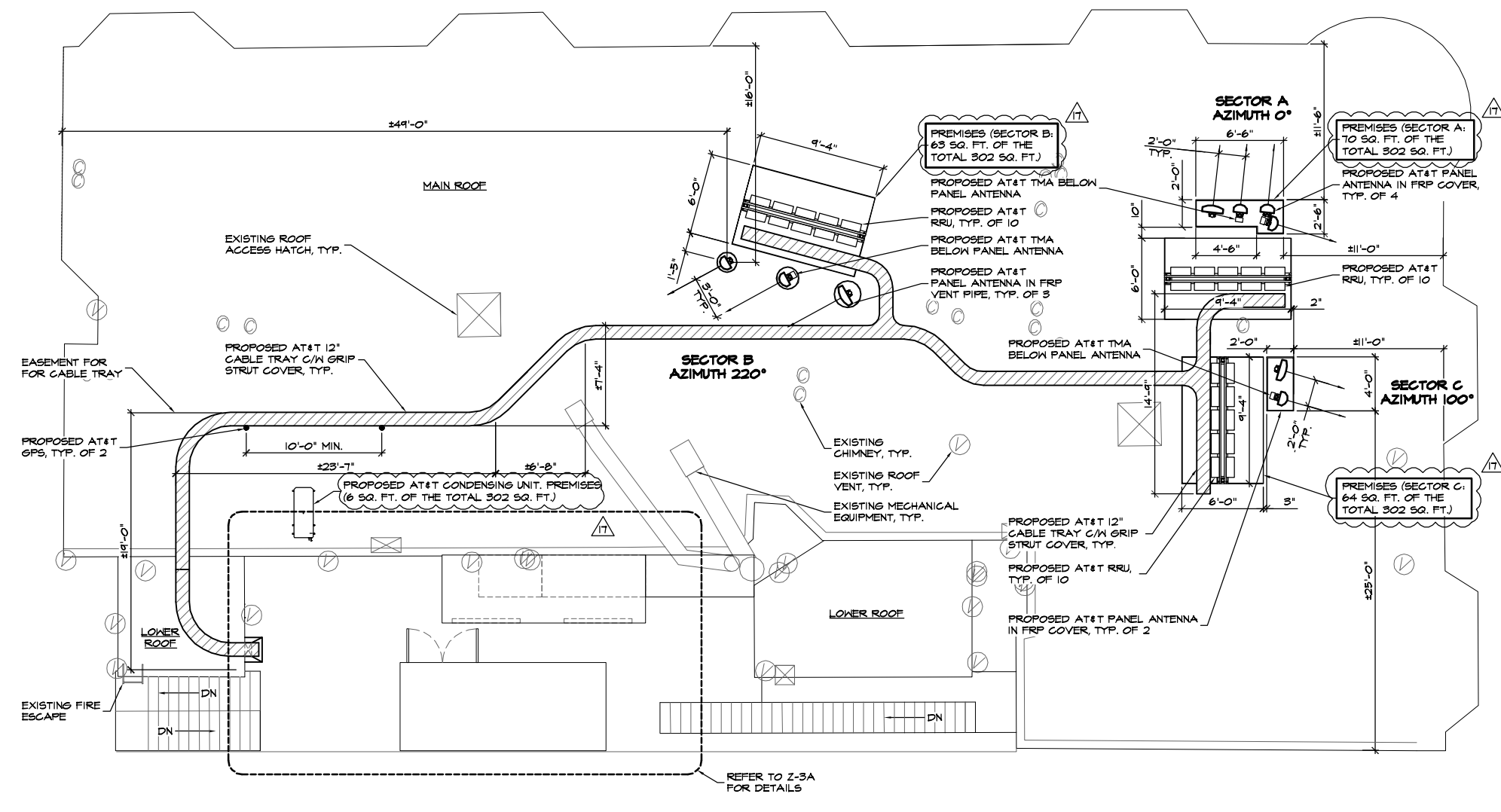
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A&E SEAL

SITE
 EOS
 CN5568B
 901 COLE STREET
 SAN FRANCISCO, CA
 94117

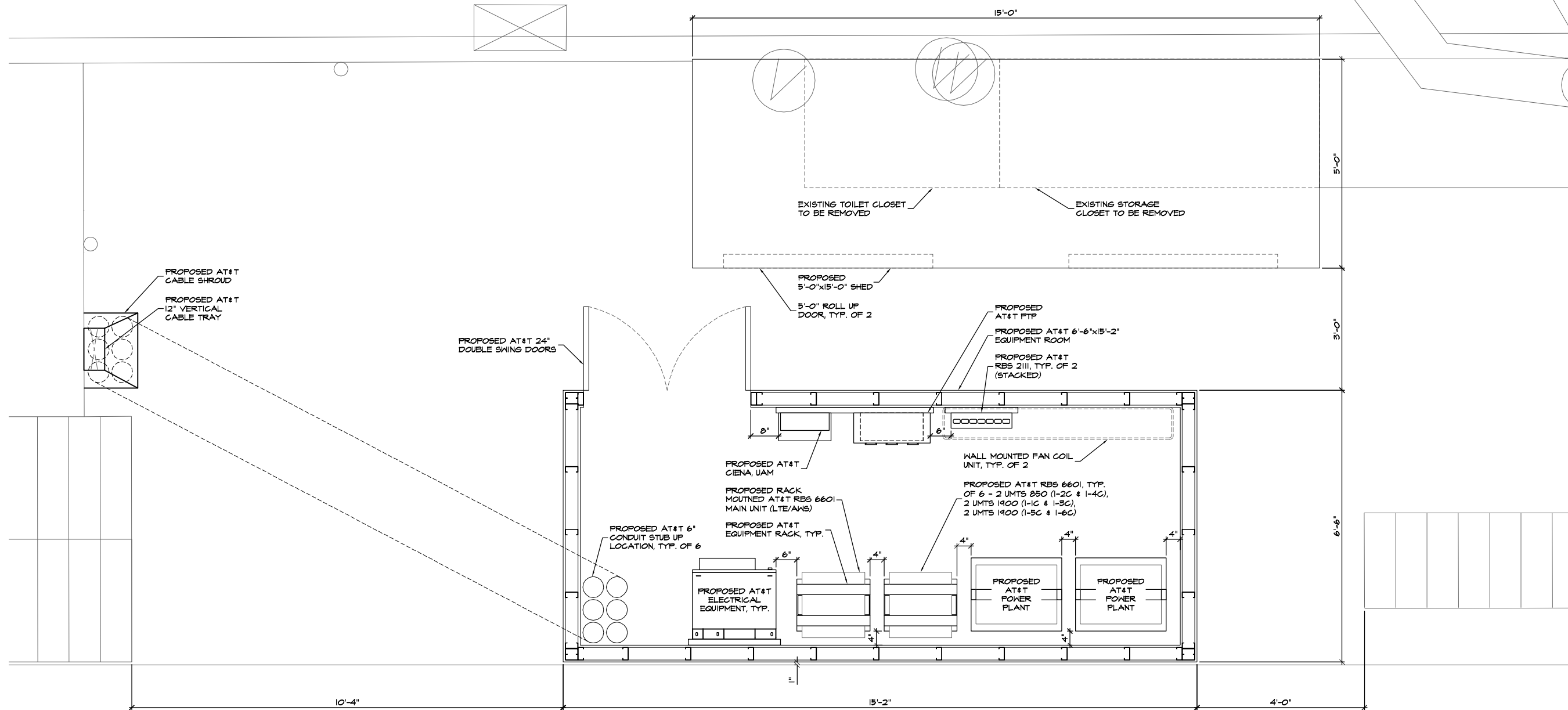
SHEET TITLE
 ROOF PLAN

SHEET NUMBER
Z-3



ROOF PLAN
 3/32"=1'-0"
 0 2' 4' 8'

SECTOR	TYPE	CABLE LENGTH (APPROX.)
A (ALPHA)	FIBER/DC	±145'-0"
B (BETA)	FIBER/DC	±170'-0"
C (GAMMA)	FIBER/DC	±180'-0"



PROJECT NO: 1159-043

DRAWN BY: M.B.

CHECKED BY: R.M.

CAD FILE: 1159-043Z3A

SUBMITTALS

15	JUL 05/12	REVISED LEASE AREA
14	JAN 12/12	REVISED LEASE AREA
13	MAR 28/12	REVISED PER ERICSSON
12	JAN 24/12	REVISED PER ERICSSON
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10	DEC 07/11	REVISED PER ERICSSON
9	DEC 05/11	REVISED PER ERICSSON
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A&E SEAL

SITE

EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

SHEET TITLE

EQUIPMENT COMPOUND
LAYOUT

SHEET NUMBER

Z-3A

PREMISES EQUIPMENT ON GRADE
 (PREMISES SPACE: 99 SQ. FT. OF THE TOTAL 302 SQ. FT.)
 3/8" = 1'-0"

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

NOTES:

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



PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-04324

SUBMITTALS

NO.	DATE	REVISION
16	JAN 12/12	REVISED LEASE AREA
15	APR 10/12	REVISED PER ERICSSON
14	MAR 26/12	REVISED PER ERICSSON
13	FEB 26/12	REVISED PER ERICSSON
12	JAN 24/12	REVISED PER ERICSSON
11	DEC 16/11	REVISED PER ERICSSON
10	DEC 07/11	REVISED PER ERICSSON
9	DEC 05/11	REVISED PER ERICSSON
8	DEC 02/11	REVISED PER ERICSSON
7	NOV 30/11	REVISED PER ERICSSON
6	NOV 18/11	REVISED PER ERICSSON
5	NOV 09/11	REVISED PER ERICSSON
4	OCT 26/11	REVISED PER ERICSSON
3	SEP 11/11	REVISED PER ERICSSON
2	JAN 01/11	REVISED PER ERICSSON
1	MAY 18/11	REVISED PER ERICSSON
0	APR 28/11	100% ZD'S

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A&E SEAL

SITE

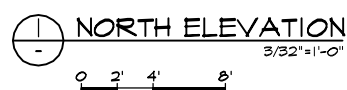
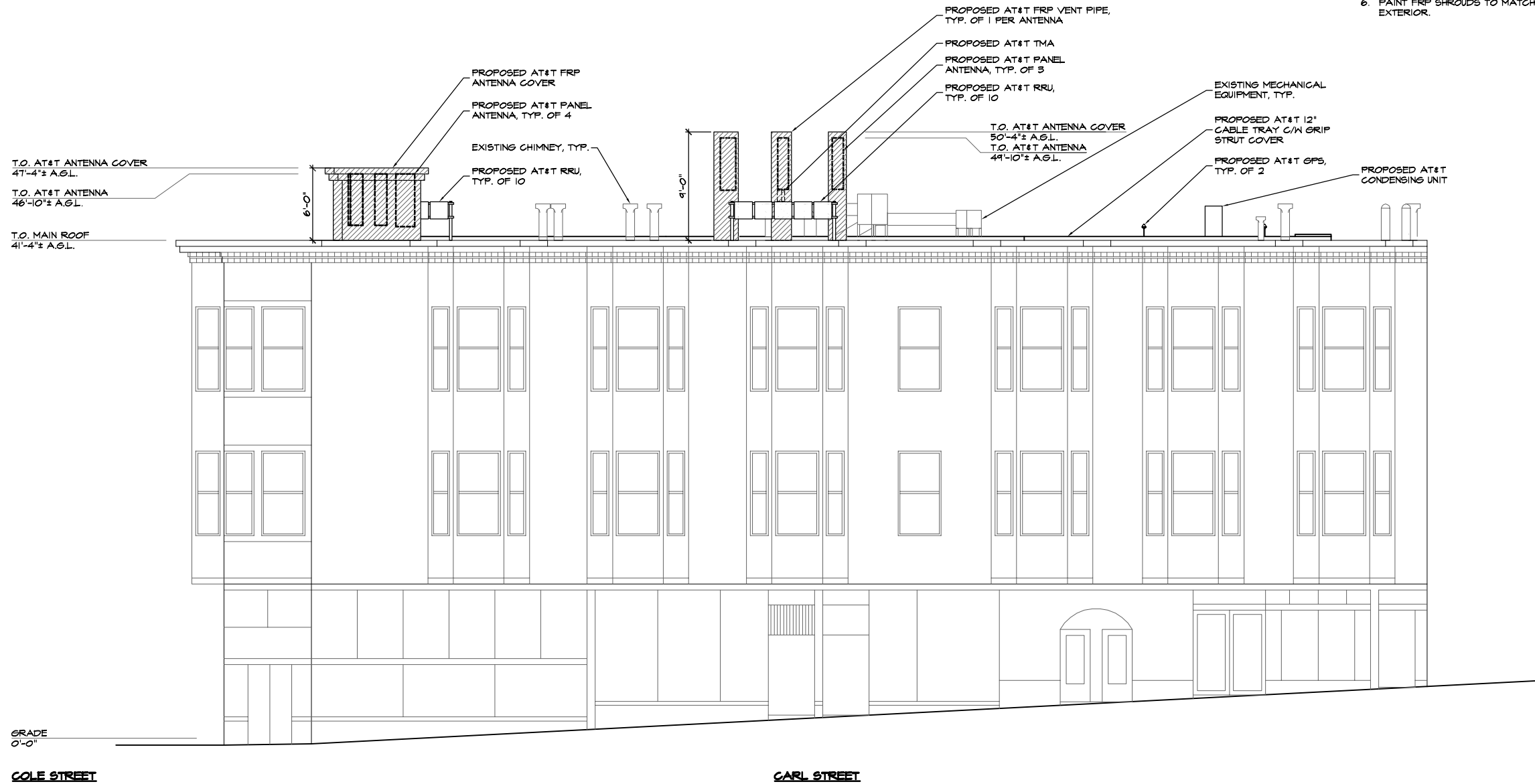
EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

SHEET TITLE

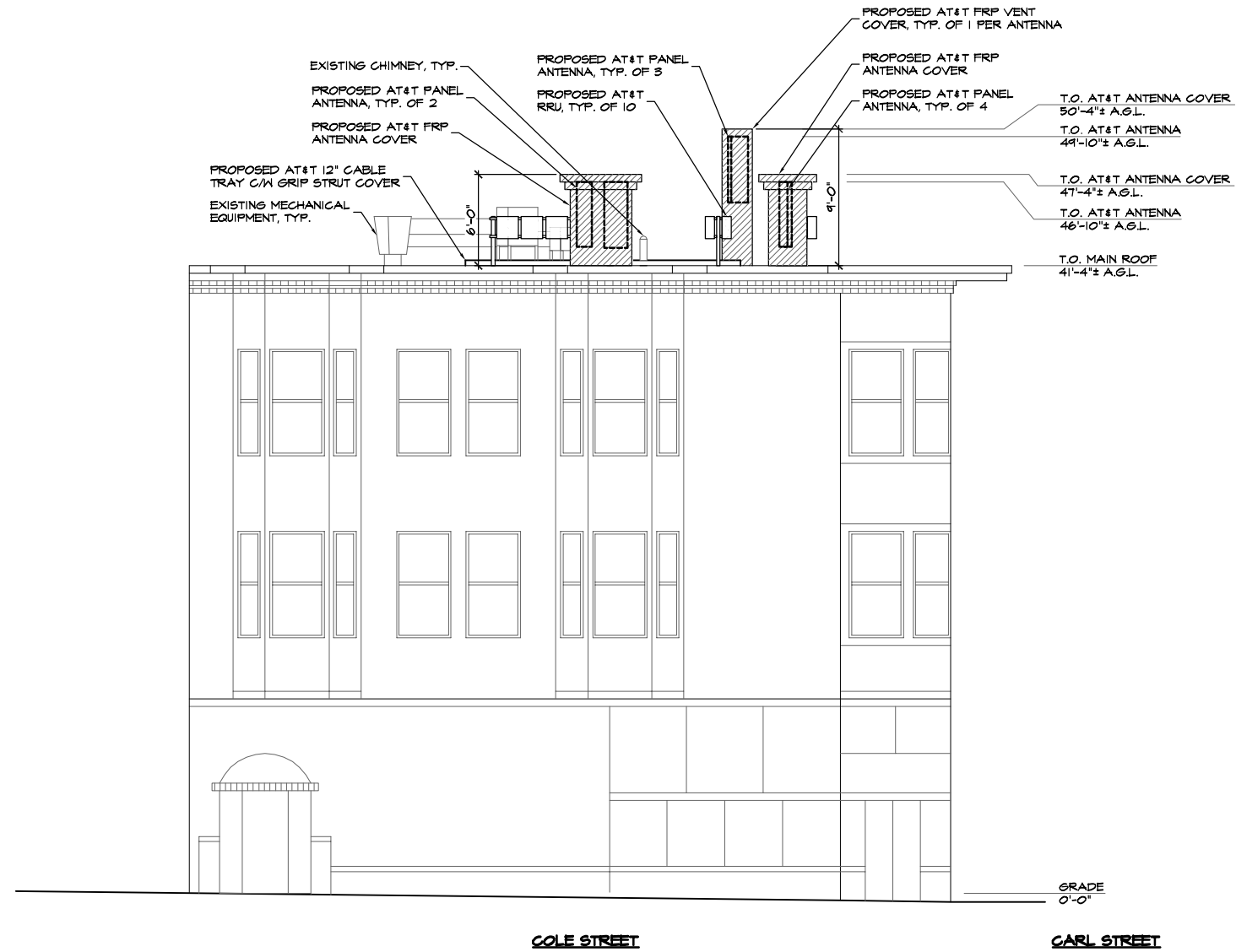
NORTH ELEVATION

SHEET NUMBER

Z-4



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



EAST ELEVATION
3/32"=1'-0"
0 2' 4' 8'

NOTES:

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



PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-043Z5

SUBMITTALS

14	MAR 26/12	REVISED PER ERICSSON
13	FEB 28/12	REVISED PER ERICSSON
12	JAN 24/12	REVISED PER ERICSSON
11	DEC 16/11	REVISED PER ERICSSON
10	DEC 07/11	REVISED PER ERICSSON
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3	SEP 7/11	REVISED PER ERICSSON
2	JUN 01/11	REVISED PER ERICSSON
1	MAY 18/11	REVISED PER ERICSSON
0	APR 28/11	100% ZDS
A	MAR 30/11	ISSUED FOR REVIEW

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A&E SEAL

SITE

EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

SHEET TITLE

EAST ELEVATION

SHEET NUMBER

Z-5

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

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- PAINT FRP SHROUDS TO MATCH EXISTING BUILDING EXTERIOR.



PROJECT NO: 1159-043

DRAWN BY: L.S.

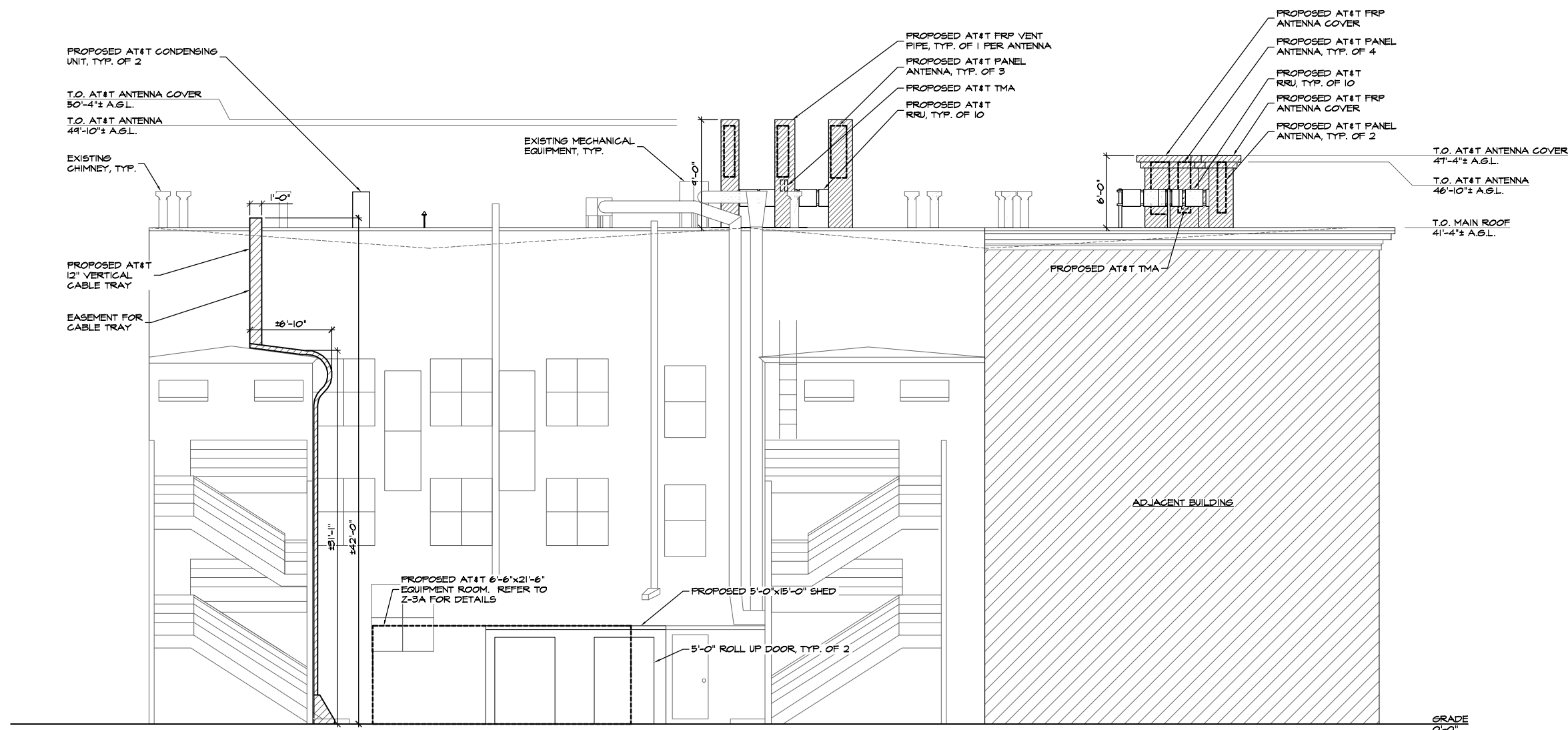
CHECKED BY: R.M.

CAD FILE: 1159-04326

SUBMITTALS

DATE	REVISION
16 JAN 12/12	REVISED LEASE AREA
15 APR 10/12	REVISED PER ERICSSON
14 MAR 26/12	REVISED PER ERICSSON
13 FEB 26/12	REVISED PER ERICSSON
12 JAN 24/12	REVISED PER ERICSSON
11 DEC 16/11	REVISED PER ERICSSON
10 DEC 07/11	REVISED PER ERICSSON
9 DEC 05/11	REVISED PER ERICSSON
8 DEC 02/11	REVISED PER ERICSSON
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5 NOV 09/11	REVISED PER ERICSSON
4 OCT 26/11	REVISED PER ERICSSON
3 SEP 11/11	REVISED PER ERICSSON
2 JAN 01/11	REVISED PER ERICSSON
1 MAY 18/11	REVISED PER ERICSSON
0 APR 28/11	100% ZD'S

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

GRADE
0'-0"
COLE STREET

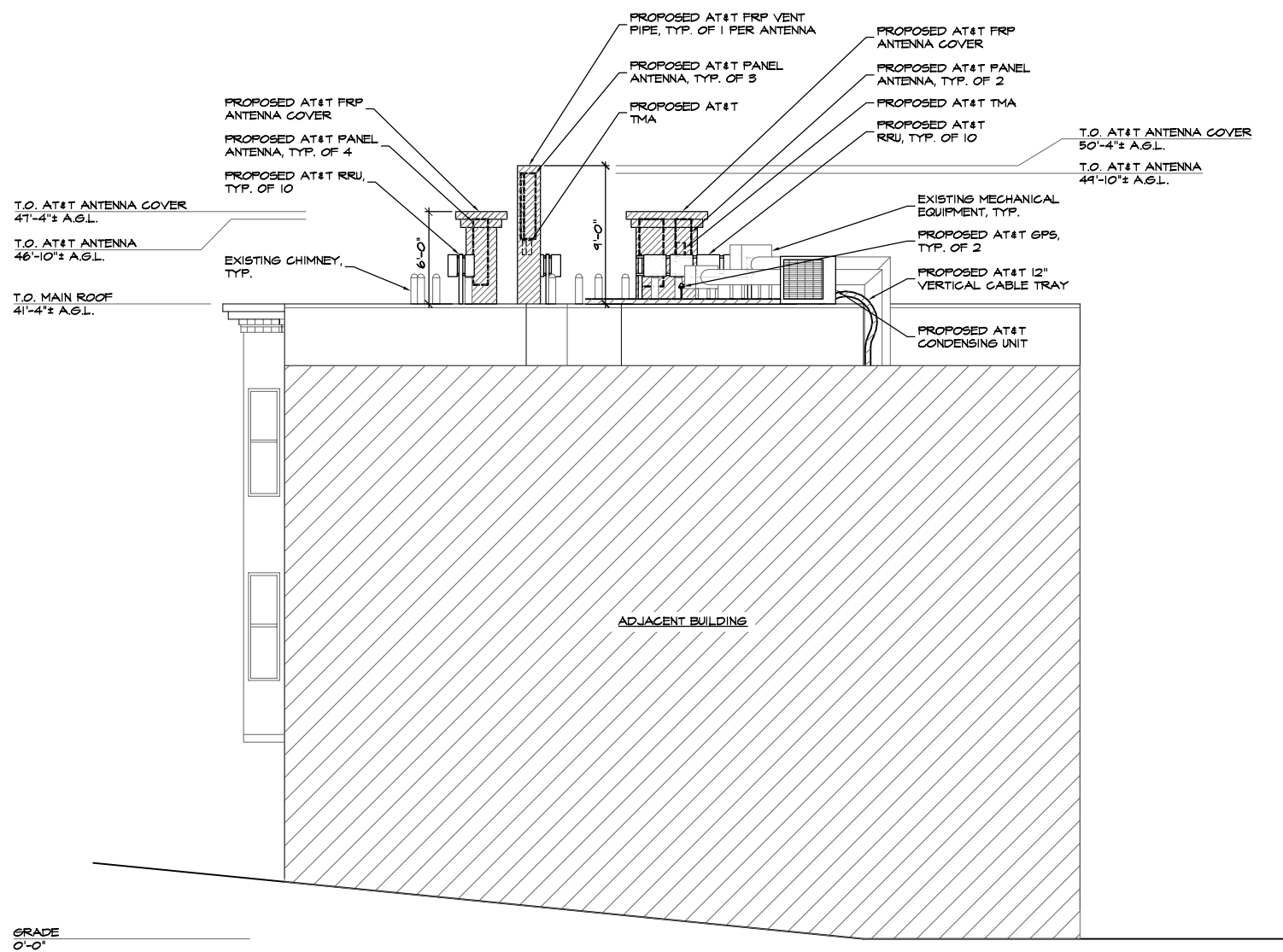
A&E SEAL

SITE
EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

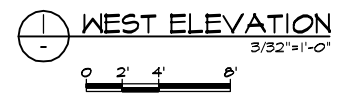
SHEET TITLE
SOUTH ELEVATION

SHEET NUMBER
Z-6

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



GRADE
0'-0"
CARL STREET



NOTES:

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5. CONTRACTOR TO SITE VERIFY LOCATION OF CABLE TRAY AND ANTENNA CABLE ROUTING PRIOR TO CONSTRUCTION.
6. PAINT FRP SHROUDS TO MATCH EXISTING BUILDING EXTERIOR.



PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-043Z1

SUBMITTALS

NO.	DATE	REVISION
16	JAN 12/12	REVISED LEASE AREA
15	APR 10/12	REVISED PER ERICSSON
14	MAR 26/12	REVISED PER ERICSSON
13	FEB 26/12	REVISED PER ERICSSON
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1	MAY 18/11	REVISED PER ERICSSON
0	APR 28/11	100% ZD'S

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A&E SEAL

SITE
EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

SHEET TITLE
WEST ELEVATION

SHEET NUMBER
Z-7



PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-043Z8

SUBMITTALS

12	MAR 26/12	REVISED PER ERICSSON
11	DEC 16/11	REVISED PER ERICSSON
10	DEC 07/11	REVISED PER ERICSSON
9	DEC 09/11	REVISED PER ERICSSON
8	DEC 02/11	REVISED PER ERICSSON
7	NOV 30/11	REVISED PER ERICSSON
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3	SEP 7/11	REVISED PER ERICSSON
2	JUN 01/11	REVISED PER ERICSSON
1	MAY 18/11	REVISED PER ERICSSON
0	APR 28/11	100% ZD'S
A	MAR 30/11	ISSUED FOR REVIEW

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A/E SEAL

SITE

EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

SHEET TITLE

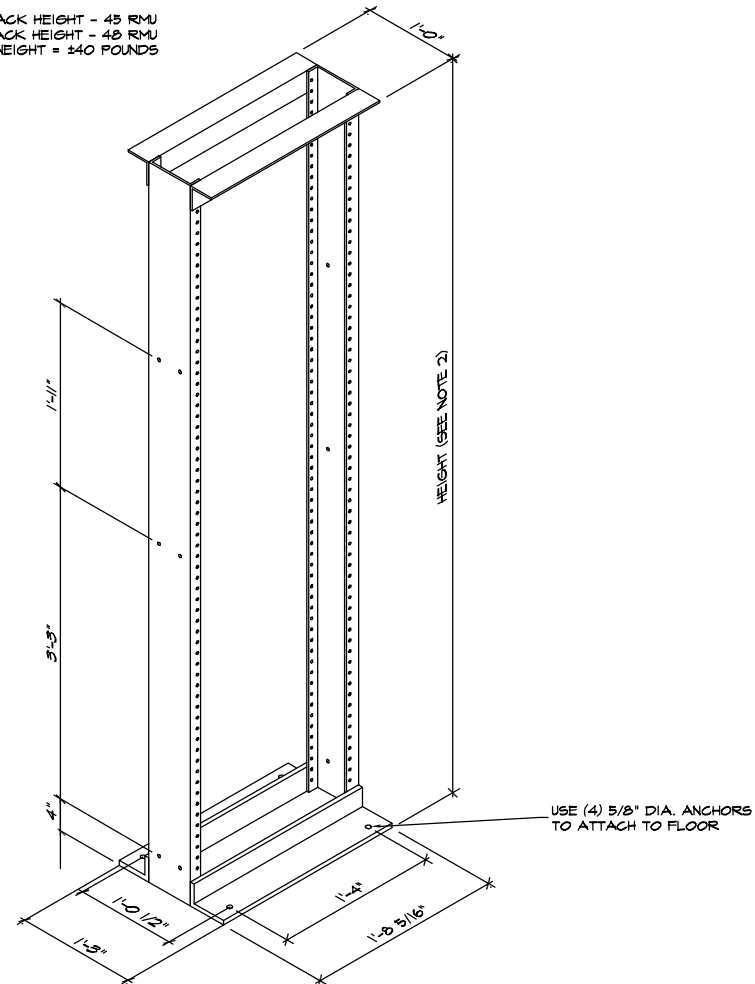
LTE/UMTS CABINET
DETAILS

SHEET NUMBER

Z-8

NOTES:

1. 7'-0" RACK HEIGHT - 43 RMU
7'-6" RACK HEIGHT - 48 RMU
2. RACK WEIGHT = 340 POUNDS





PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-04329

SUBMITTALS

12	JAN 24/12	REVISED PER ERICSSON
11	DEC 16/11	REVISED PER ERICSSON
10	DEC 07/11	REVISED PER ERICSSON
9	DEC 05/11	REVISED PER ERICSSON
8	DEC 02/11	REVISED PER ERICSSON
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A	MAR 30/11	ISSUED FOR REVIEW

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A/E SEAL

SITE

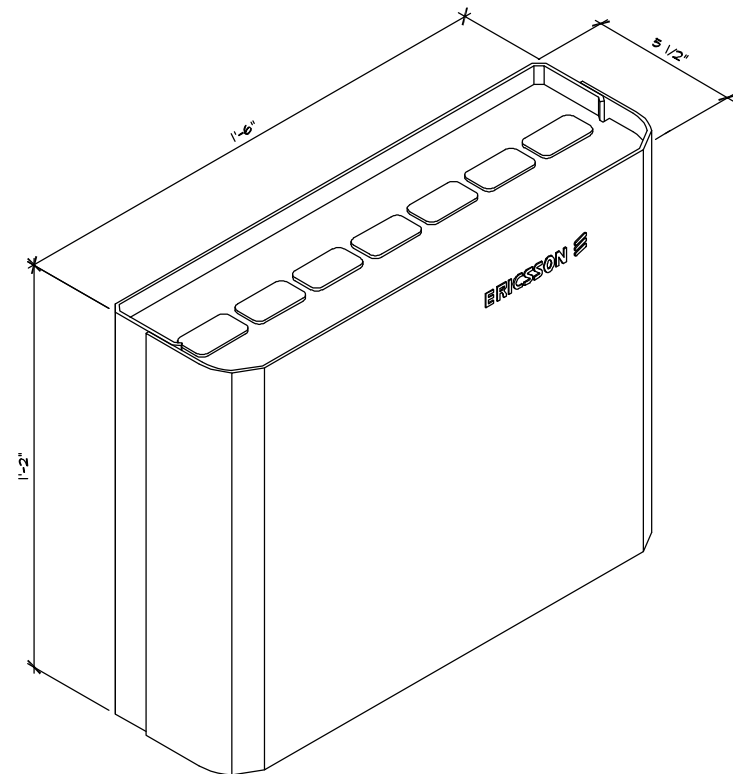
EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

SHEET TITLE

GSM CABINET DETAILS

SHEET NUMBER

Z-9



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

RBS 2111 WEIGHT	
FULLY EQUIPPED	
15 lbs	

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



PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-043Z10

SUBMITTALS

13	MAR 26/12	REVISED PER ERICSSON
12	JAN 24/12	REVISED PER ERICSSON
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9	DEC 05/11	REVISED PER ERICSSON
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5	NOV 08/11	REVISED PER ERICSSON
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3	SEP 17/11	REVISED PER ERICSSON
2	JUN 01/11	REVISED PER ERICSSON
1	MAY 18/11	REVISED PER ERICSSON
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A	MAR 30/11	ISSUED FOR REVIEW

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A&E SEAL

SITE

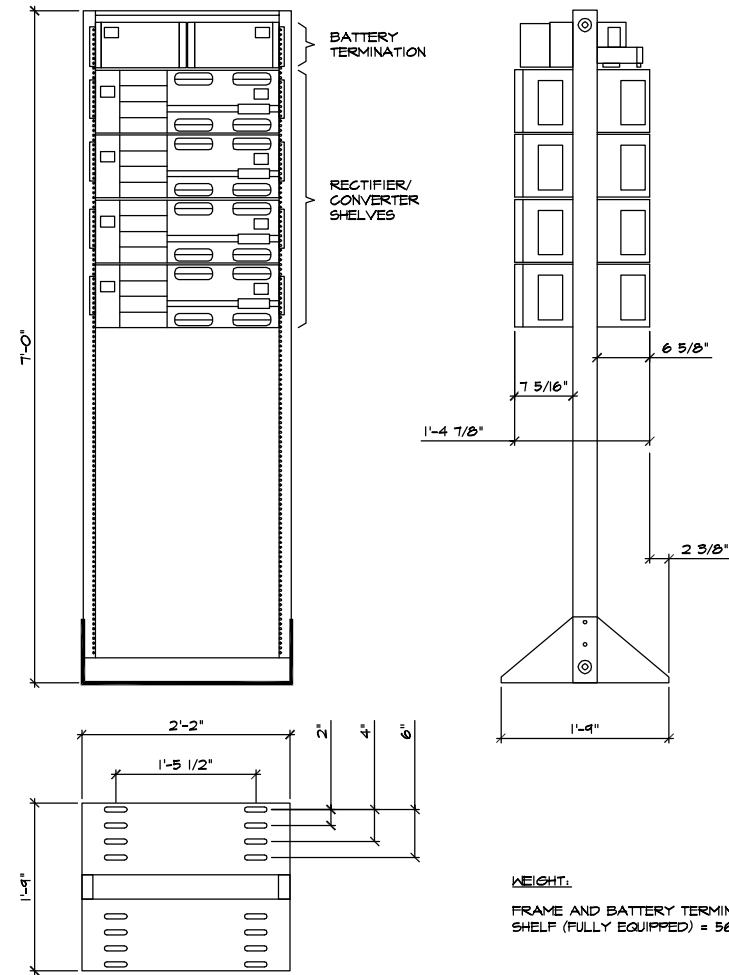
EOS
CN5568B
901 COLE STREET
SAN FRANCISCO, CA
94117

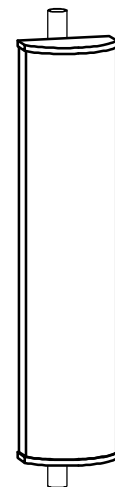
SHEET TITLE

POWER AND BATTERY
CABINET DETAILS

SHEET NUMBER

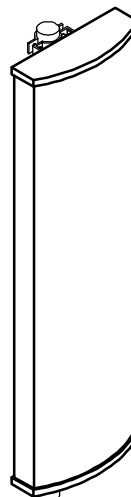
Z-10





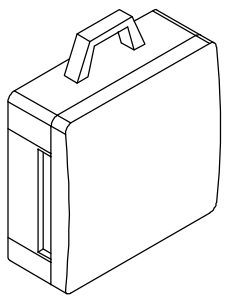
MODEL: DBXNH-6565A-R2M
 MANUFACTURER: ANDREX
 DOWNTILT BRACKET: INCLUDED
 LENGTH: 50.9"
 WIDTH: 11.9"
 DEPTH: 7.1"
 WEIGHT: 34.2 lbs.

① ANTENNA SPECIFICATION



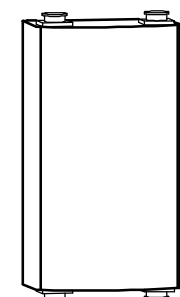
MODEL: TBXLHE-6565A-VTM
 MANUFACTURER: ANDREX
 DOWNTILT BRACKET: INCLUDED
 LENGTH: 52"
 WIDTH: 18"
 DEPTH: 6"
 WEIGHT: T.B.D

② ANTENNA SPECIFICATION



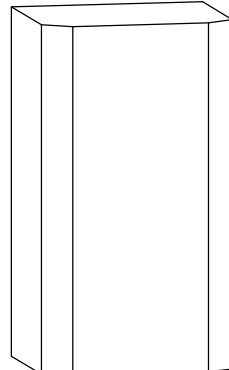
LENGTH: 17.50"
 WIDTH: 17.80"
 DEPTH: 7.20"
 WEIGHT: 50.00 lbs

③ RRUI SPECIFICATIONS



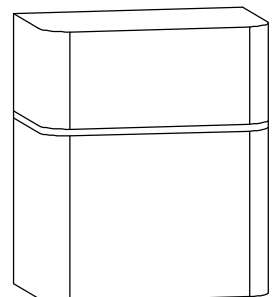
LENGTH: 11.0"
 WIDTH: 6.1"
 DEPTH: 3.9"
 WEIGHT: 15.4 lbs

④ DOUBLE TMA SPECIFICATIONS



LENGTH: 18.25"
 WIDTH: 10.55"
 DEPTH: 8.90"
 WEIGHT: 41.8 lbs

⑤ RRH SPECIFICATIONS



LENGTH: 17.05"
 WIDTH: 14.65"
 DEPTH: 9.41"
 WEIGHT: 36.38 lbs

④ RRUN SPECIFICATIONS



PROJECT NO: 1159-043

DRAWN BY: L.S.

CHECKED BY: R.M.

CAD FILE: 1159-043Z11

SUBMITTALS

12	JAN 24/12	REVISED PER ERICSSON
11	DEC 16/11	REVISED PER ERICSSON
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A&E SEAL

SITE
 EOS
 CN5568B
 901 COLE STREET
 SAN FRANCISCO, CA
 94117

SHEET TITLE
 RF DETAILS

SHEET NUMBER
Z-11