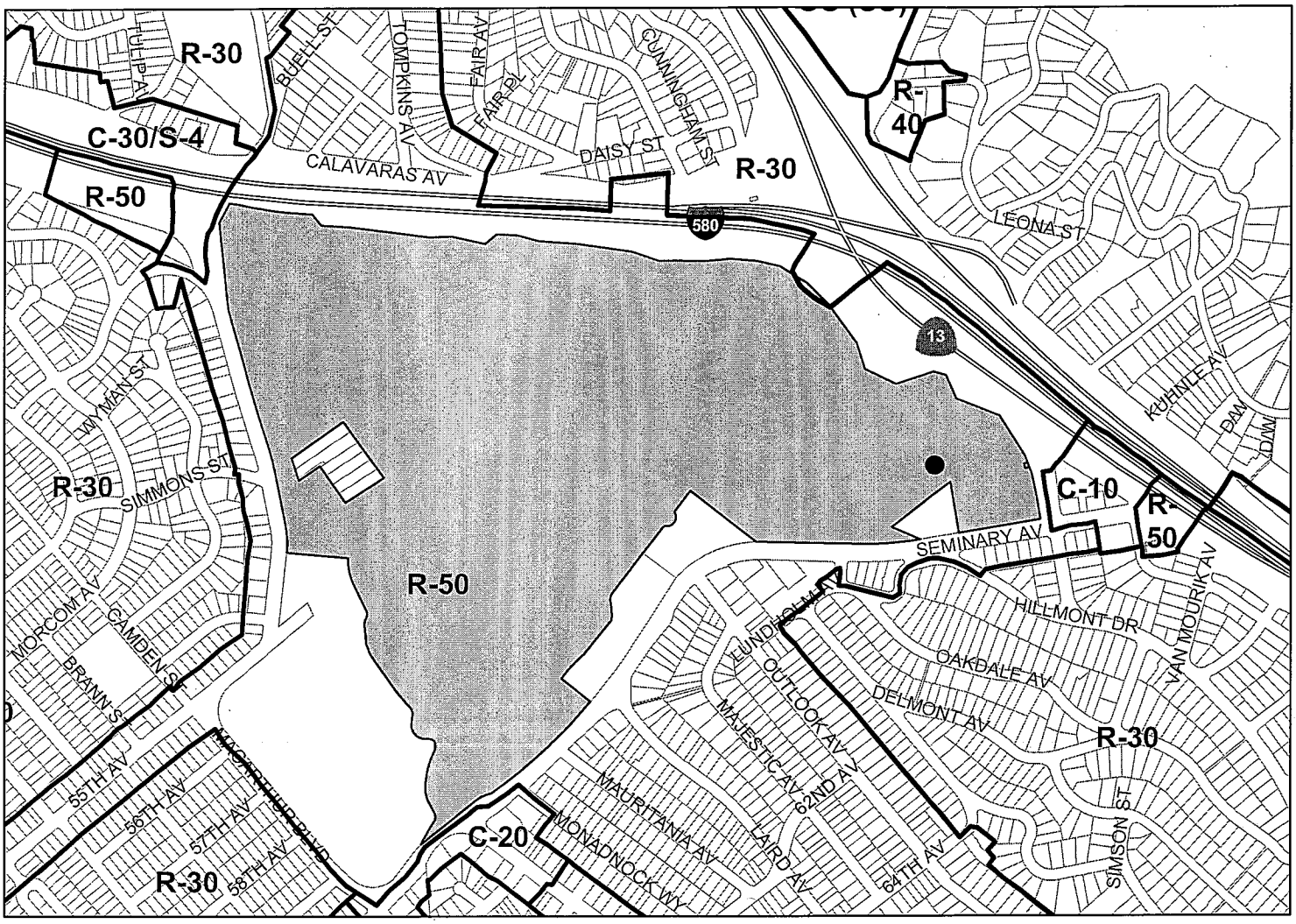
Case File Number: CMDV10-345 **April 6, 2011**

Location:	**5000 MacArthur Boulevard (See map on reverse)**
Assessors Parcel Numbers:	**(037A-2701-029-03)**
Proposal:	To replace two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's.
Applicant:	AT&T, John Yu of Lyle Company
Contact Person/ Phone Number:	John Yu of Lyle Company (916)801-6112
Owner:	Mills College
Case File Number:	CMDV10-345
Planning Permits Required:	Regular Design Review to replace two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's. Major Conditional Use Permit for the installation of additional antennas and equipment on an existing Monopole telecommunication facility within one hundred (100) feet of a residential zone. Minor Variance for a Monopole Facility (existing) of 98 feet where 45 feet is permitted.
General Plan:	Institutional
Zoning:	R-50 Medium Density Residential Zone
Environmental Determination:	Exempt, Section 15301 of the State CEQA Guidelines; minor additions and alterations to an existing facility Section 15183 of the State CEQA Guidelines; projects consistent with a community plan, General Plan or zoning.
Historic Status:	Potential Designated Historic Property; Survey Rating: B+1+
Service Delivery District:	5
City Council District:	6
Date Filed:	12/22/10
Finality of Decision:	Appealable to City Council within 10 days
For Further Information:	Contact case planner **Michael Bradley** at **(510) 238-6935** or mbradley@oaklandnet.com

SUMMARY

The following staff report addresses the proposal for additional unmanned wireless telecommunication facilities located on an existing monopole, with associated equipment cabinets located behind a fenced area on the ground and near the pole. The project site already contains 39 telecommunication antennas and associated equipment shelters and this project would replace two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's . Given the number of antennas and the type of structure, this would be considered a "Monopole" Telecommunications Facility. The site is located within an institutional and residential area, in a wooded area on the Mills College

CITY OF OAKLAND PLANNING COMMISSION



Feet

0 375 750 1,500 2,250 3,000

Case File:	CMDV10-345
Applicant:	AT&T, John Yu of Lyle Company
Address:	5000 MacArthur Boulevard
Zone:	R-50

campus. The site is located in the R-50 Medium Density Residential Zone. The General Plan designation for the site is Institutional.

PROJECT DESCRIPTION

The applicant (AT&T) is proposing a co-location to replace two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's at a site with 39 existing antennas. The proposal for the equipment shelters is to locate the cabinet with other existing cabinets on the ground near to the monopole. All proposed antennas and associated equipment will not be accessible to the public.
(See Attachment A)

PROPERTY DESCRIPTION

The subject property is a lot of approximately 112.04 acres, with frontage on Seminary Avenue, MacArthur Boulevard, and the 580 Freeway. The subject property has a fully functioning College on the site. The property was first developed in 1860's (based on Alameda County Assessors Data). Currently there is a monopole telecommunication facility with six (6) other separate telecommunication providers (T-Mobile, Metro PCS, AT&T, Verizon, Clearwire and Sprint) on the property including 39 antennas and multiple equipment cabinets and shelters on the ground near to the monopole.

GENERAL PLAN ANALYSIS

The subject property is located within the Institutional General Plan designation. The Institutional land use classification is intended to create, maintain, and enhance areas appropriate for educational facilities, cultural and institutional uses, health services and medical uses as well as other uses of similar character. The proposed unmanned wireless telecommunication facility will not adversely affect and detract from the civic, commercial or residential characteristics of the neighborhood, because the antennas will be mounted on an existing monopole telecommunication facility located in an unpopulated area on the Mills College campus.

ZONING ANALYSIS

The subject property is located in the R-50 Medium Density Residential Zone. The R-50 zone is intended to create, preserve, and enhance areas for apartment living at medium densities in desirable settings, and is typically appropriate to areas of existing medium density residential development.

The proposal is for a new unmanned wireless telecommunication facility on an existing monopole telecommunication facility and requires a Major Conditional Use Permit since the project is within one hundred (100) feet of a residential zone and a minor variance for a monopole facility within one hundred (100) feet of a residential zone. Staff finds that the proposed application meets applicable R-50 zoning and City of Oakland Telecommunication regulations.

ENVIRONMENTAL DETERMINATION

The California Environmental Quality Act (CEQA) Guidelines lists the projects that qualify as categorical exemptions from environmental review. The proposed project is categorically exempt from the environmental review requirements pursuant to Section 15301, additions and alterations to existing facilities, and 15183, projects consistent with a community plan, general plan or zoning.

KEY ISSUES AND IMPACTS

1. Conditional Use Permit

Section 17.24.080 of the City of Oakland Planning Code requires a conditional use permit to install a Monopole Telecommunication facility in the R-50 zone. Furthermore, Section 17.134.020 defines a major and minor conditional use permit. Subsections (A)(3)(i) lists a major conditional use permit: "Any telecommunication facility in or within one hundred (100) feet of the boundary of any residential zone. The required findings for a major conditional use permit are listed and included in staff's evaluation as part of this report.

2. Project Site

Section 17.128.110 of the City of Oakland Telecommunication Regulations indicate that new wireless facilities shall generally be located on designated properties or facilities in the following order of preference:

A. Co-located on an existing structure or facility with existing wireless antennas.
B. City owned properties or other public or quasi-public facilities.
C. Existing commercial or industrial structures in non-residential zones.
D. Existing commercial or industrial structures in residential zones.
E. Other non-residential uses in residential zones.
F. Residential uses in non-residential zones.
G. Residential uses in residential zones.

*Facilities locating on an A, B or C ranked preference do not require a site alternatives analysis.

Since the proposed project involves co-locating the installation of new antennas and associated equipment cabinets on an existing facility, the proposed project meets (A) co-locating on an existing structure or facility with existing wireless antennas.

3. Project Design

Section 17.128.120 of the City of Oakland Telecommunications Regulations indicates that new wireless facilities shall generally be designed in the following order of preference:

A. Building or structure mounted antennas completely concealed from view.
B. Building or structure mounted antennas set back from roof edge, not visible from public right-of way.

C. Building or structure mounted antennas below roof line (facade mount, pole mount) visible from public right-of-way, painted to match existing structure.
D. Building or structure mounted antennas above roof line visible from public right of-way.
E. Monopoles.
F. Towers.

* Facilities designed to meet an A or B ranked preference do not require a site design alternatives analysis. Facilities designed to meet a C through F ranked preference, inclusive, must submit a site design alternatives analysis as part of the required application materials. A site design alternatives analysis shall, at a minimum, consist of:

a. Written evidence indicating why each higher preference design alternative can not be used. Such evidence shall be in sufficient detail that independent verification could be obtained if required by the City of Oakland Zoning Manager. Evidence should indicate if the reason an alternative was rejected was technical (e.g. incorrect height, interference from existing RF sources, inability to cover required area) or for other concerns (e.g. inability to provide utilities, construction or structural impediments).

City of Oakland Planning staff has reviewed and determined that the site selected is conforming to all other telecommunication regulation requirements. The project location is appropriate because the existing monopole already has 39 telecommunication antennas and the replacement of two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's will not create a significant visual change. Further, the proposal is to co-locate on an existing monopole located in an unpopulated wooded area on the Mills College campus, which is an appropriate location for the antennas to provide service to the adjacent residential zone without being constructed within the residential neighborhood, as well as provide service to the on-site campus facilities. The applicant has looked at other sites and based on the residential neighborhood and in order to co-locate the antennas on an existing monopole, this is the most suitable site for the proposed antennas. **(See Attachment C)**

4. Project Radio Frequency Emissions Standards

Section 17.128.130 of the City of Oakland Telecommunication Regulations require that the applicant submit the following verifications including requests for modifications to existing facilities:

a. With the initial application, a RF emissions report, prepared by a licensed professional engineer or other expert, indicating that the proposed site will operate within the current acceptable thresholds as established by the Federal government or any such agency who may be subsequently authorized to establish such standards.
b. Prior to commencement of construction, a RF emissions report indicating the baseline RF emissions condition at the proposed site.
c. Prior to final building permit sign off, an RF emissions report indicating that the site is actually operating within the acceptable thresholds as established by the Federal government or any such agency who may be subsequently authorized to establish such standards.

The applicant states that the proposed project meets the radio frequency (RF) emissions standards as required by the regulatory agency. Submitted with the initial application was a RF emissions report, prepared by EBI Consulting, (**attachment B**). The report states that the

proposed project will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not cause a significant impact on the environment. Additionally, staff recommends that prior to the final building permit sign off, the applicant submits certified RF emissions report stating that the facility is operating within acceptable thresholds established by the regulatory federal agency.

CONCLUSION

City of Oakland planning staff believes that the proposed project and subject property can be developed to meet the established zoning and telecommunication regulations that were created and adopted to set certain criteria minimums and maximums for similar types of developments. Staff believes that the findings for approval can be made to support the Conditional Use Permit, Minor Variance and Design Review.

RECOMMENDATIONS:

1. Affirm staff's environmental determination

2. Approve Conditional Use Permit, Minor Variance and Design Review application CMDV10-345 subject to the attached findings and conditions of approval.

Prepared by:

Michael Bradley
Planner I

Approved by:

Scott Miller
Zoning Manager

Approved for forwarding to the
City Planning Commission

Eric Angstadt, Deputy Director
Community & Economic Development Agency

ATTACHMENTS:

A. Project Plans & Photo simulations
B. EBI Consulting RF Emissions Report
C. Site Alternative Analysis and Coverage Maps

FINDINGS FOR APPROVAL

FINDINGS FOR APPROVAL:
This proposal meets all the required findings under Section 17.134.050, of the General Use Permit criteria; all the required findings under Section 17.136.050.(B), of the Non-Residential Design Review criteria; all the required findings under Section 17.148.050.(A), of the Minor Variance criteria; all the required findings under Section 17.128.080(B), of the telecommunication facilities (Monopole) Design Review criteria; and all the required findings under Section 17.128.080.(C), of the telecommunication facilities (Monopole) Conditional Use Permit criteria; and as set forth below and which are required to approve your application. Required findings are shown in **bold** type; reasons your proposal satisfies them are shown in normal type.

SECTION 17.134.050 – GENERAL USE PERMIT FINDINGS:

A. That the location, size, design, and operating characteristics of the proposed development will be compatible with, and will not adversely affect, the livability or appropriate development of abutting properties and the surrounding neighborhood, with consideration to be given to harmony in scale, bulk, coverage, and density; to the availability of civic facilities and utilities; to harmful effect, if any upon desirable neighborhood character; to the generation of traffic and the capacity of surrounding streets; and to any other relevant impact of the development.

The location, size, design and operational characteristics of the proposal will not adversely affect the livability or appropriate development of abutting properties and the surrounding neighborhood. Consideration was given to the harmony in scale, bulk, and coverage; to the availability of civic facilities and utilities; to harmful effect, if any, upon desirable neighborhood character; to the generation of traffic and the capacity of surrounding streets; and to any other relevant impact of the development. The proposed replacement telecommunications antennas will be co-located with 39 existing antennas on an existing monopole in an unpopulated, wooded area on the Mills College campus and will not adversely affect the operating characteristic or livability of the existing area. The facility will be unmanned and will not create additional vehicular traffic in the area.

B. That the location, design, and site planning of the proposed development will provide a convenient and functional living, working, shopping, or civic environment, and will be as attractive as the nature of the use and its location and setting warrant.

The location, design and site planning of the proposed development will provide a convenient and functional working and shopping environment, and will attempt to preserve the attractive nature of the use and its location and setting warrant. The proposal will preserve a convenient and functional working and living environment; therefore it would not affect the general quality and character of the neighborhood.

C. That the proposed development will enhance the successful operation of the surrounding area in its basic community functions, or will provide an essential service to the community or region.

The proposed development will enhance the successful operation of the surrounding area in its basic community function and will provide an essential service to the community or region. This will be achieved by improving the functional use of the site by providing a regional telecommunication facility for the community and will be available to police, fire, public safety organizations and the general public.

D. That the proposal conforms to all applicable design review criteria set forth in the DESIGN REVIEW PROCEDURE of Chapter 17.136 of the Oakland Planning Code.

The proposal conforms with all significant aspects of the design review criteria set forth in Chapter 17.136 of the Oakland Planning Code, as outlined below.

E. That the proposal conforms in all significant respects with the Oakland General Plan and with any other applicable plan or development control map which has been adopted by the City Council.

The proposal conforms in all significant aspects with the Oakland General Plan and with any other applicable plan or zoning maps adopted by the City of Oakland. The proposed monopole telecommunication facility expansion in the Institutional General Plan designation will enhance and improve communication service for a mixture of civic, commercial, residential and institutional uses in the area.

17.136.050(B) – NONRESIDENTIAL DESIGN REVIEW CRITERIA:

1. That the proposal will help achieve or maintain a group of facilities which are well related to one another and which, when taken together, will result in a well-composed design, with consideration given to site, landscape, bulk, height, arrangement, texture, materials, colors, and appurtenances; the relation of these factors to other facilities in the vicinity; and the relation of the proposal to the total setting as seen from key points in the surrounding area. Only elements of design which have some significant relationship to outside appearance shall be considered, except as otherwise provided in Section 17.136.060;

The proposal is the addition to a monopole telecommunications facility with 39 exiting telecommunication antennas which includes the replacement of two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's. The two (2) replacement antennas and the four (4) RRU's shall be placed on an existing monopole which is located in an unpopulated, wooded area of the Mills College campus and therefore is consistent and well related to the surrounding area in scale, bulk, height, materials, and textures. Through the design and conditions of approval the existing monopole, antennas, all associated equipment, and all proposed antennas and equipment will be paint green to match the trees and foliage that surround the monopole.

2. That the proposed design will be of a quality and character which harmonizes with, and serves to protect the value of, private and public investments in the area;

The design will be appropriate and compatible with current zoning and general plan land use designations. The proposal protects and preserves the surrounding neighborhood context by adding additional wireless telecommunication antennas to a residential and institutional area. The antennas will be co-located and will not have any visual impact on the adjacent neighborhood.

3. That the proposed design conforms in all significant respects with the Oakland General Plan and with any applicable design review guidelines or criteria, district plan, or development control map which have been adopted by the Planning Commission or City Council.

The proposal conforms with the City of Oakland Comprehensive General Plan meeting specific General Plan policies and the Supplemental Report and Recommendations on Revisions to the Citywide Telecommunications Regulations. The proposal will conform to performance standards for noise set forth in Section 17.120.050 for decibels levels in residential areas for both day and nighttime use. The Project conforms to all monopole-facility definitions set forth in Section 17.128.080 and meets all design review criteria to minimize all impacts throughout the neighborhood.

17.148.050(A) – MINOR VARIANCE FINDINGS:

1. That strict compliance with the specified regulation would result in practical difficulty or unnecessary hardship inconsistent with the purposes of the Zoning Regulations, due to unique physical or topographical circumstances or conditions of design; or, as an alternative in the case of a Minor Variance, that such strict compliance would preclude an effective design solution improving the livability, operational efficiency, or appearance.

The subject property is a 112.04 acre institutional lot located in a residential and small scale commercial area serving as the Mills College campus. The proposed project entails the co-location to replace two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's to an existing 100' Monopole. The panel antennas and RRU's will be located at 98', in which all the new antennas and RRU's exceed the maximum height of 45' for antennas when located on a Monopole. The proposal will improve the operational efficiency of the existing Monopole by co-locating and improve the appearance by setting the standard for new telecommunications antennas to be painted green to match the surrounding trees and foliage. Furthermore by placing the antennas at the proposed heights it will remove the antennas from the natural view plane from the public right of way.

2. That strict compliance with the regulations would deprive the applicant of privileges enjoyed by owners of similarly zoned property; or, as an alternative in the case of a Minor Variance, that such strict compliance would preclude an effective design solution fulfilling the basic intent of the applicable regulation.

The strict compliance of the zoning regulations would preclude an effective design solution for the proposed unmanned telecommunications facility. The existing Monopole exceeds the established standards for new telecommunication Monopoles and was erected as a radio communications tower several years ago. The proposal will co-locate the replacement antennas and RRU's at 98' on the pole where the antennas can maximize their effectiveness and be placed outside the natural view plan of vehicles and pedestrians at the street level. Based on the current

pattern of development and the scope of the proposal the project will be compatible in size and scale and will fulfill the basic intent of the zoning and general plan regulations.

3. That the variance, if granted, will not adversely affect the character, livability, or appropriate development of abutting properties or the surrounding area, and will not be detrimental to the public welfare or contrary to adopted plans or development policy.

The proposed development will not affect the character or livability of the area since no change is proposed to the existing Mills College service yard and all related equipment on the ground will be located inside a dedicated equipment area, and the base of the monopole is a secure area that is not accessible to the public. The subject monopole is located in an unpopulated, wooded area on the Mills College campus, thus the proposal will not adversely affect the character, livability, or appropriate development of abutting properties or the surrounding area.

4. That the variance will not constitute a grant of special privilege inconsistent with limitations imposed on similarly zoned properties or inconsistent with the purposes of the Zoning Regulations.

The Variance will not negatively impact the character of the neighborhood nor affect the appropriate development of abutting properties. The subject property is a large college campus containing a 100' Monopole with existing unmanned telecommunications facilities where the existing antennas are located at 55'to 100' above the ground. Furthermore when viewed in its entirety the proposal will improve the existing conditions by requiring that the monopole, cables, and all existing and new antennas be painted green to match the surrounding trees and foliage.

5. That the proposal; conforms to all applicable design review criteria set forth in the Design Review Procedures at section 17.20.070.

The proposal conforms to all applicable design review criteria. Please see findings above.

6. For proposals involving one or two residential dwelling units on a lot:

That, if the variance would relax a regulation governing maximum height, minimum yards, maximum lot coverage or building length along side lot lines, the proposal also conforms with at least one of the following criteria:

a. **The proposal when viewed in its entirety will not adversely impact abutting residences to the side, rear, or directly across the street with respect to solar access, view blockage and privacy to a degree greater than that which would be possible if the residence were built according to the applicable regulation and, for height variances, the proposal provides detailing, articulation or other design treatments that mitigate any bulk created by the additional height:**

-OR-

b. **Over 60 percent of the lots in the immediate vicinity are already developed and the proposal does not exceed the corresponding as-built condition on these lots and, for height variances, the proposal provides detailing, articulation or other design**

treatments that mitigate any bulk created by the additional height. The immediate context shall consist of the five closest lots on each side of the project site, plus the ten closest lots on the opposite side of the street (see Illustration I-4b); however, the Director of City Planning may make an alternative determination of immediate context based on specific site conditions. Such determination shall be in writing and included as part of any decision on any variance

The proposal does not involve one or two residential units, therefore this finding does not apply.

17.128.080(B) DESIGN REVIEW CRITERIA FOR MONOPOLE FACILITIES

1. Collocation is to be encouraged when it will decrease visual impact and collocation is to be discouraged when it will increase negative visual impact:

The proposed project entails the co-location to replace two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's to an existing 100' Monopole and will not increase negative visual impacts. Furthermore when viewed in its entirety the proposal will improve the existing conditions by requiring that the monopole, cables, and all existing and new antennas be painted green to match the surrounding trees and foliage.

2. Monopoles should not be sited to create visual clutter or negatively affect specific views:

The proposed antennas will be co-located on an existing monopole which is currently located in an unpopulated, wooded area of the Mills College campus. Based on the co-location on the monopole at 98' with existing AT&T antennas no specific views will be impacted and visual clutter will not occur.

3. Monopoles shall be screened from the public view wherever possible:

The proposed antennas will be co-located on an existing monopole which is currently located in an unpopulated, wooded area of the Mills College campus. Only the portion of the monopole that extends higher than the existing trees and foliage will be in public view.

4. The equipment shelter or cabinet must be concealed from public view or made compatible with the architecture of the surrounding structures or placed underground. The shelter or cabinet must be regularly maintained:

The associated equipment will be co-located with the existing equipment shelters and located on the ground within the Mills College service yard. The equipment will be placed where it will not be in public view.

5. Site location and development shall preserve the preexisting character of the surrounding buildings and land uses and the zone district as much as possible. Wireless communication towers shall be integrated through location and design to blend in with the existing characteristics of the site to the extent practical. Existing on-site vegetation shall be

preserved or improved, and disturbance of the existing topography shall be minimized, unless such disturbance would result in less visual impact of the site to the surrounding area:

The proposed replacement antennas and new RRU's will be co-located on an exiting monopole with 39 antennas in an unpopulated, wooded area of the Mills College campus. Based on the wooded area, and the co-location on the monopole the proposal will not result in a visual impact and will blend in with the existing characteristics of the site. Further the existing monopole, equipment, antennas, proposed antennas, and all associated equipment attached to the monopole will be painted green to match the color of the surrounding trees and foliage.

6. That all reasonable means of reducing public access to the antennas and equipment has been made, including, but not limited to, placement in or on buildings or structures, fencing, anti-climbing measures and anti-tampering devices:

The antennas will be mounted on an existing monopole and will not be accessible to the public due to its location. The existing monopole is located behind a fenced in area with no public access. The equipment cabinets are located with other existing cabinets in the Mills College service area which is only accessible to maintenance workers and not to the public.

Section 17.128.080(C) CONDITIONAL USE PERMIT (CUP) FINDINGS FOR MONOPOLE FACILITIES

1. The project must meet the special design review criteria listed in subsection B of this section (17.128.080C):

The proposed project meets the special design review criteria listed in section 17.128.080B.

2. Monopoles should not be located any closer than one thousand five hundred (1,500) feet from existing monopoles unless technologically required or visually preferable:

The site is appropriate because the proposed replacement antennas and RRU's will be co-located on an exiting monopole with 39 antennas in an unpopulated, wooded area of the Mills College campus. The existing monopole, equipment, antennas, proposed antennas, and all associated equipment attached to the monopole will be painted green to match the color of the surrounding trees and foliage thus making it visually preferable.

3. The proposed project must not disrupt the overall community character:

Due to the proposed project co-locating with other existing telecommunication antennas and equipment, it will not disrupt the overall community character of the site.

4. *If a Major Conditional Use Permit is required,* the Planning Director or the Planning Commission may request independent expert review regarding site location, collocation and facility configuration. Any party may request that the Planning Commission consider making such request for independent expert review.

a. If there is any objection to the appointment of an independent expert engineer, the applicant must notify the Planning Director within ten days of the Commission request. The Commission will hear arguments regarding the need for the independent expert and the applicant's objection to having one appointed. The Commission will rule as to whether an independent expert should be appointed.

b. Should the Commission appoint an independent expert, the Commission will direct the Planning Director to pick an expert from a panel of licensed engineers, a list of which will be compiled, updated and maintained by the Planning Department.

c. No expert on the panel will be allowed to review any materials or investigate any application without first signing an agreement under penalty of perjury that the expert will keep confidential any and all information learned during the investigation of the application. No personnel currently employed by a telecommunication company are eligible for inclusion on the list.

d. An applicant may elect to keep confidential any proprietary information during the expert's investigation. However, if an applicant does so elect to keep confidential various items of proprietary information, that applicant may not introduce the confidential proprietary information for the first time before the Commission in support of the application.

e. The Commission shall require that the independent expert prepare the report in a timely fashion so that it will be available to the public prior to any public hearing on the application.

f. Should the Commission appoint an independent expert, the expert's fees will be paid by the applicant through the application fee, imposed by the city.

CONDITIONS OF APPROVAL
CMDV10-345

STANDARD CONDITIONS:

1. Approved Use
Ongoing

a) The project shall be constructed and operated in accordance with the authorized use as described in the application materials, **CMDV10-345**, and the plans dated **January 25, 2011** and submitted on **March 9, 2011** and as amended by the following conditions. Any additional uses or facilities other than those approved with this permit, as described in the project description and the approved plans, will require a separate application and approval. Any deviation from the approved drawings, Conditions of Approval or use shall required prior written approval from the Director of City Planning or designee.

b) This action by the City Planning Commission ("this Approval") includes the approvals set forth below. This Approval includes: **to replace two (2) telecommunication antennas with two (2) new telecommunication antennas and the installation of four (4) new RRU's at 5000 MacArthur Blvd. (APN: 037A-2701-029-03), under Oakland Municipal Code 17.128, 17.136, 17.148 and 17.134.**

2. Effective Date, Expiration, Extensions and Extinguishment
Ongoing

Unless a different termination date is prescribed, this Approval shall expire **two calendar years** from the approval date, unless within such period all necessary permits for construction or alteration have been issued, or the authorized activities have commenced in the case of a permit not involving construction or alteration. Upon written request and payment of appropriate fees submitted no later than the expiration date of this permit, the Director of City Planning or designee may grant a one-year extension of this date, with additional extensions subject to approval by the approving body. Expiration of any necessary building permit for this project may invalidate this Approval if the said extension period has also expired.

3. Scope of This Approval; Major and Minor Changes
Ongoing

The project is approved pursuant to the **Oakland Planning Code** only. Minor changes to approved plans may be approved administratively by the Director of City Planning or designee. Major changes to the approved plans shall be reviewed by the Director of City Planning or designee to determine whether such changes require submittal and approval of a revision to the approved project by the approving body or a new, completely independent permit.

4. Conformance with other Requirements
Prior to issuance of a demolition, grading, P-job, or other construction related permit

a) The project applicant shall comply with all other applicable federal, state, regional and/or local codes, requirements, regulations, and guidelines, including but not limited to those

imposed by the City's Building Services Division, the City's Fire Marshal, and the City's Public Works Agency.

b) The applicant shall submit approved building plans for project-specific needs related to fire protection to the Fire Services Division for review and approval, including, but not limited to automatic extinguishing systems, water supply improvements and hydrants, fire department access, and vegetation management for preventing fires and soil erosion.

5. Conformance to Approved Plans; Modification of Conditions or Revocation

Ongoing

a) Site shall be kept in a blight/nuisance-free condition. Any existing blight or nuisance shall be abated within 60-90 days of approval, unless an earlier date is specified elsewhere.

b) The City of Oakland reserves the right at any time during construction to require certification by a licensed professional that the as-built project conforms to all applicable zoning requirements, including but not limited to approved maximum heights and minimum setbacks. Failure to construct the project in accordance with approved plans may result in remedial reconstruction, permit revocation, permit modification, stop work, permit suspension or other corrective action.

c) Violation of any term, conditions or project description relating to the Approvals is unlawful, prohibited, and a violation of the Oakland Municipal Code. The City of Oakland reserves the right to initiate civil and/or criminal enforcement and/or abatement proceedings, or after notice and public hearing, to revoke the Approvals or alter these conditions if it is found that there is violation of any of the conditions or the provisions of the Planning Code or Municipal Code, or the project operates as or causes a public nuisance. This provision is not intended to, nor does it, limit in any manner whatsoever the ability of the City to take appropriate enforcement actions.

6. Signed Copy of the Conditions

With submittal of a demolition, grading, and building permit

A copy of the approval letter and conditions shall be signed by the property owner, notarized, and submitted with each set of permit plans to the appropriate City agency for this project.

7. Indemnification

Ongoing

a) To the maximum extent permitted by law, the applicant shall defend (with counsel acceptable to the City), indemnify, and hold harmless the City of Oakland, the Oakland City Council, the City of Oakland Redevelopment Agency, the Oakland City Planning Commission and its respective agents, officers, and employees (hereafter collectively called City) from any liability, damages, claim, judgment, loss (direct or indirect)action, causes of action, or proceeding (including legal costs, attorneys' fees, expert witness or consultant fees, City Attorney or staff time, expenses or costs) (collectively called "Action") against the City to attack, set aside, void or annul, (1) an approval by the City relating to a development-related application or subdivision or (2) implementation of an approved development-related project. The City may elect, in its sole discretion, to participate in the defense of said Action and the applicant shall reimburse the City for its reasonable legal costs and attorneys' fees.

b) Within ten (10) calendar days of the filing of any Action as specified in subsection A above, the applicant shall execute a Letter of Agreement with the City, acceptable to the Office of the City Attorney, which memorializes the above obligations. These obligations and the Letter of Agreement shall survive termination, extinguishment or invalidation of the approval. Failure to timely execute the Letter of Agreement does not relieve the applicant of any of the obligations contained in this condition or other requirements or Conditions of Approval that may be imposed by the City.

8. Compliance with Conditions of Approval

Ongoing

The project applicant shall be responsible for compliance with the recommendations in any submitted and approved technical report and all the Conditions of Approval set forth below at its sole cost and expense, and subject to review and approval of the City of Oakland.

9. Severability

Ongoing

Approval of the project would not have been granted but for the applicability and validity of each and every one of the specified conditions, and if any one or more of such conditions is found to be invalid by a court of competent jurisdiction this Approval would not have been granted without requiring other valid conditions consistent with achieving the same purpose and intent of such Approval.

10. Job Site Plans

Ongoing throughout demolition, grading, and/or construction

At least one (1) copy of the stamped approved plans, along with the Approval Letter and Conditions of Approval, shall be available for review at the job site at all times.

11. Special Inspector/Inspections, Independent Technical Review, Project Coordination and Management

Prior to issuance of a demolition, grading, and/or construction permit

The project applicant may be required to pay for on-call special inspector(s)/inspections as needed during the times of extensive or specialized plancheck review, or construction. The project applicant may also be required to cover the full costs of independent technical and other types of peer review, monitoring and inspection, including without limitation, third party plan check fees, including inspections of violations of Conditions of Approval. The project applicant shall establish a deposit with the Building Services Division, as directed by the Building Official, Director of City Planning or designee.

12. Days/Hours of Construction Operation

Ongoing throughout demolition, grading, and/or construction

The project applicant shall require construction contractors to limit standard construction activities as follows:

a) Construction activities are limited to between 7:00 AM and 7:00 PM Monday through Friday, except that pile driving and/or other extreme noise generating activities greater than 90 dBA shall be limited to between 8:00 a.m. and 4:00 p.m. Monday through Friday.

b) Any construction activity proposed to occur outside of the standard hours of 7:00 am to 7:00 pm Monday through Friday for special activities (such as concrete pouring which

may require more continuous amounts of time) shall be evaluated on a case by case basis, with criteria including the proximity of residential uses and a consideration of resident's preferences for whether the activity is acceptable if the overall duration of construction is shortened and such construction activities shall only be allowed with the prior written authorization of the Building Services Division.

c) Construction activity shall not occur on Saturdays, with the following possible exceptions:

i. Prior to the building being enclosed, requests for Saturday construction for special activities (such as concrete pouring which may require more continuous amounts of time), shall be evaluated on a case by case basis, with criteria including the proximity of residential uses and a consideration of resident's preferences for whether the activity is acceptable if the overall duration of construction is shortened. Such construction activities shall only be allowed on Saturdays with the prior written authorization of the Building Services Division.

ii. After the building is enclosed, requests for Saturday construction activities shall only be allowed on Saturdays with the prior written authorization of the Building Services Division, and only then within the interior of the building with the doors and windows closed.

d) No extreme noise generating activities (greater than 90 dBA) shall be allowed on Saturdays, with no exceptions.

e) No construction activity shall take place on Sundays or Federal holidays.

f) Construction activities include but are not limited to: truck idling, moving equipment (including trucks, elevators, etc) or materials, deliveries, and construction meetings held on-site in a non-enclosed area.

13. Landscape Maintenance

Ongoing

All new landscaping shall be permanently maintained in good growing condition and, whenever necessary, replaced with new plant materials to ensure continued compliance with applicable landscaping requirements.

14. Operational Noise-General

Ongoing

Noise levels from the activity, property, or any mechanical equipment on site shall comply with the performance standards of Section 17.120 of the Oakland Planning Code and Section 8.18 of the Oakland Municipal Code. If noise levels exceed these standards, the activity causing the noise shall be abated until appropriate noise reduction measures have been installed and compliance verified by the Planning and Zoning Division and Building Services.

PROJECT SPECIFIC CONDTIONS:

15. Radio Frequency Emissions

Prior to the final building permit sign off

The applicant shall submit a certified RF emissions report stating the facility is operating within the acceptable standards established by the regulatory Federal Communications Commission.

16. Sinking Fund for Facility Removal or Abandonment.
Prior to issuance of a building permit
The applicant shall provide proof of the establishment of a sinking fund to cover the cost of removing the facility if it is abandoned within a prescribed period. The word "abandoned" shall mean a facility that has not been operational for a six (6) month period, except where non-operation is the result of maintenance of renovation activity pursuant to valid City permits. The sinking fund shall be established to cover a two year period, at a financial institution approved by the City's Office of Budget and Finance. The sinking fund payment shall be adequate to determined by the office of Budget and Finance and shall be adequate to defray expenses associated with the removal of the telecommunication facility.

17. Architectural Detailing and Painting
Prior to the final building permit sign off
The applicant shall paint the existing monopole, all existing antennas, cables and related equipment attached to the monopole, all proposed antennas, dishes and other related equipment attached to the monopole a muted forest-green, to blend into the wooded site.

at&t

CNU0045/CNU4329

LTE SITE: CCL00045

FA. #: 10087965 USID: 12710

MILLS COLLEGE

5000 MACARTHUR BLVD.
OAKLAND, CA 94650

USA NORTH
OF CENTRAL/NORTHERN CALIFORNIA AND NEVADA
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

CODE COMPLIANCE

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

1. CALIFORNIA CODE OF REGULATIONS
2. 2007 CALIFORNIA BUILDING CODE
3. 2007 CALIFORNIA MECHANICAL CODE
4. 2007 CALIFORNIA PLUMBING CODE
5. 2007 CALIFORNIA ELECTRIC CODE
6. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
7. 2006 LIFE SAFETY CODE NFPA-101
8. CITY/COUNTY ORDINANCES

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

PROJECT DESCRIPTION

THIS IS AN UNMANNED TELECOMMUNICATIONS FACILITY FOR AT&T WIRELESS CONSISTING OF THE INSTALLATION OF THE FOLLOWING:

1. NEW ONE (1) INDOOR MAIN UNIT MOUNTED TO EXISTING RACK INSIDE EXISTING EQUIPMENT SHELTER.
2. NEW TWO (2) LTE ANTENNAS MOUNTED ON EXISTING MONOPOLE.
3. NEW FOUR (4) RRU'S MOUNTED ON EXISTING MONOPOLE.
4. NEW ONE (1) FIBER CONDUIT AND ONE (1) 3" POWER/FIBER CONDUIT FROM MAIN UNIT TO FIBER/POWER DOME UNIT.
5. NEW FOUR (4) RET CONTROLLERS PER ANTENNA CONFIGURATIONS.
6. NEW ONE (1) FIBER/POWER DOME UNIT (DC6-48-60-18-8F).
7. NEW ONE (1) GPS ANTENNA MOUNTED ON EXISTING EQUIPMENT SHELTER.
8. ALL NEW/EXISTING EQUIPMENT ON MONOPOLE TO BE PAINTED A MUTED FORREST-GREEN INCLUDING MONOPOLE.

DRIVING DIRECTIONS

FROM AT&T OFFICE - PLEASANTON, CA

1. HEAD EAST ON ROSEWOOD DR. TOWARD OLD SANTA RITA RD.
2. TURN LEFT AT SANTA RITA RD.
3. MERGE ONTO I-580 W VIA THE RAMP TO OAKLAND
4. TAKE EXIT 25 TOWARD MACARTHUR BOULEVARD/HIGH ST.
5. TURN LEFT AT BUELL ST.
6. TURN LEFT AT MACARTHUR BOULEVARD
7. ARRIVE AT 5000 MACARTHUR BOULEVARD, OAKLAND, CA 94605

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWING:

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

SHEET INDEX

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET, SITE INFORMATION AND VICINITY MAP	1
T-2	GENERAL NOTES, LEGEND AND ABBREVIATIONS	1
A-1	SITE PLAN	1
A-2	ENLARGED SITE PLAN	1
A-3	ANTENNA PLANS	1
A-4	ELEVATIONS	1
A-5	ANTENNA AND CONSTRUCTION DETAILS	1

PROJECT TEAM

ENGINEER:
PDC CORPORATION
1052 CONCANNON BLVD.
LIVERMORE, CA 94550
CONTACT: PAULO PUELIU
OFFICE: (925) 606-5868
MOBILE: (510) 385-5541
EMAIL: paulo@pdccorp.net

APPLICANT/LESSEE:
AT&T
4430 ROSEWOOD DR.
PLEASANTON, CA 95488

SITE ACQUISITION MANAGER:
ERICSSON
6160 STONERIDGE MALL DR. SUITE 400
PLEASANTON, CA 94588
CONTACT: RICK RAMIREZ
PHONE: (925) 737-5800
EMAIL: rick.ramirez@ericsson.com

ZONING MANAGER:
LYLE COMPANY
3140 GOLD CAMP DR. SUITE 30
RANCHO CORDOVA, CA 95670
CONTACT: JONATHAN FONG
PHONE: (916) 717-4427
EMAIL: jfong@lyleco.com

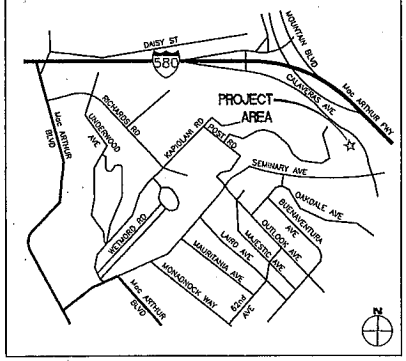
RF ENGINEER:
AT&T
4430 ROSEWOOD DR.
PLEASANTON, CA 94588
CONTACT: CHRISTOPHER GAMBOA
PHONE: (925) 468-8686

CONSTRUCTION MANAGER:
ERICSSON
6160 STONERIDGE MALL DR. SUITE 400
PLEASANTON, CA 94588
CONTACT: PAUL NOLEN
PHONE: (925) 737-5800
EMAIL: paul.nolen@ericsson.com

PROJECT INFORMATION

SITE ADDRESS:	5000 MACARTHUR BOULEVARD OAKLAND, CA 94605
APN:	037A-2701-209-03
PROPERTY OWNER:	MILLS COLLEGE 5000 MACARTHUR BLVD OAKLAND, CA 94613
LATITUDE:	37.78167° N (NAD 83)
LONGITUDE:	122.17583° W (NAD 83)
GROUND ELEVATION:	±318' AMSL
HEIGHT OF STRUCTURE:	98' AGL
ZONING:	R-50
JURISDICTION:	ALAMEDA COUNTY
TELEPHONE:	AT&T
POWER:	PG&E

VICINITY MAP



APPROVALS

LANDLORD: _____
CONSTRUCTION MANAGER: _____
RF ENGINEER: _____
SITE ACQUISITION MANAGER: _____
ZONING MANAGER: _____
UTILITY COORDINATOR: _____
PROGRAM REGIONAL MANAGER: _____
NETWORK OPERATIONS MANAGER: _____

at&t
4430 ROSEWOOD DRIVE
PLEASANTON, CA 94588

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CURRENT ISSUE DATE:
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REV-1 CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	07/29/10	90% CONSTRUCTION DRAWING	FG
0	11/19/10	100% CONSTRUCTION DRAWING	HG
1	01/25/11	CITY COMMENTS	PN

PLANS PREPARED BY:
PDC CORPORATION
1052 CONCANNON BLVD.
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CONSULTANT:
LYLE
3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY:	CHK.:	APV.:
FG	PP	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-12
CIVIL
STATE OF CALIFORNIA

SHEET TITLE:
TITLE SHEET, SITE INFORMATION AND VICINITY MAP

SHEET NUMBER:
T-1

ATTACHMENT A

LEGEND

	NEW ANTENNA
	EXISTING ANTENNA
	GROUND ROD
	GROUND BUS BAR
	MECHANICAL GRND. CONN.
	CADWELD
	GROUND ACCESS WELL
E	ELECTRIC BOX
T	TELEPHONE BOX
	LIGHT POLE
	FND. MONUMENT
	SPOT ELEVATION
	SET POINT
	REVISION
X	GRID REFERENCE
X / X-X	DETAIL REFERENCE
X / X-X	ELEVATION REFERENCE
X / X-X	SECTION REFERENCE
	GROUT OR PLASTER
	(E) BRICK
	(E) MASONRY
	CONCRETE
	EARTH
	GRAVEL
	PLYWOOD
	SAND
	WOOD CONT.
	WOOD BLOCKING
	STEEL
	CENTERLINE
	PROPERTY/LEASE LINE
	MATCH LINE
	WORK POINT
	GROUND CONDUCTOR
T	TELEPHONE CONDUIT
E	ELECTRICAL CONDUIT
A	COAXIAL CABLE
OU	OVERHEAD SERVICE CONDUCTORS
X	CHAIN LINK FENCING
F/P	FIBER/POWER CONDUIT

ABBREVIATIONS

A.B.	ANCHOR BOLT	GRND.	GROUND
ABV.	ABOVE	HDR.	HEADER
ACCA	ANDREW CABLE COVER ASSEMBLY	HGR.	HANGER
ADD'L	ADDITIONAL	HT.	HEIGHT
A.F.F.	ABOVE FINISHED FLOOR	ICGB.	ISOLATED COPPER GROUND BUS
A.F.G.	ABOVE FINISHED GRADE	IN.(")	INCH(ES)
ALUM.	ALUMINUM	INT.	INTERIOR
ALT.	ALTERNATE	LB.(#)	POUND(S)
ANT.	ANTENNA	L.B.	LAG BOLTS
APPROX.	APPROXIMATE(LY)	L.F.	LINEAR FEET (FOOT)
ARCH.	ARCHITECT(URAL)	L.	LONG(ITUDINAL)
AWG.	AMERICAN WIRE GAUGE	MAS.	MASONRY
BLDG.	BUILDING	MAX.	MAXIMUM
BLK.	BLOCK	M.B.	MACHINE BOLT
BLKG.	BLOCKING	MECH.	MECHANICAL
BM.	BEAM	MFR.	MANUFACTURER
B.N.	BOUNDARY NAILING	MIN.	MINIMUM
BTCW.	BARE TINNED COPPER WIRE	MISC.	MISCELLANEOUS
B.O.F.	BOTTOM OF FOOTING	MTL.	METAL
B/U	BACK-UP CABINET	(N)	NEW
CAB.	CABINET	NO.(#)	NUMBER
CANT.	CANTILEVER(ED)	N.T.S.	NOT TO SCALE
C.I.P.	CAST IN PLACE	O.C.	ON CENTER
CLG.	CEILING	OPNG.	OPENING
CLR.	CLEAR	P/C	PRECAST CONCRETE
COL.	COLUMN	PCS	PERSONAL COMMUNICATION SERVICES
CONC.	CONCRETE	PLY.	PLYWOOD
CONN.	CONNECTION(OR)	PPC	POWER PROTECTION CABINET
CONST.	CONSTRUCTION	PRC	PRIMARY RADIO CABINET
CONT.	CONTINUOUS	P.S.F.	POUNDS PER SQUARE FOOT
d	PENNY (NAILS)	P.S.I.	POUNDS PER SQUARE INCH
DBL.	DOUBLE	P.T.	PRESSURE TREATED
DEPT.	DEPARTMENT	PWR.	POWER (CABINET)
D.F.	DOUGLAS FIR	QTY.	QUANTITY
DIA.	DIAMETER	RAD.(R)	RADIUS
DIAG.	DIAGONAL	REF.	REFERENCE
DIM.	DIMENSION	REINF.	REINFORCEMENT(ING)
DWG.	DRAWING(S)	REQ'D.	REQUIRED
DWL.	DOWEL(S)	RGS.	RIGID GALVANIZED STEEL
EA.	EACH	SCH.	SCHEDULE
EL.	ELEVATION	SHT.	SHEET
ELEC.	ELECTRICAL	SIM.	SIMILAR
ELEV.	ELEVATOR	SPEC.	SPECIFICATION(S)
EMT.	ELECTRICAL METALLIC TUBING	SQ.	SQUARE
E.N.	EDGE NAIL	S.S.	STAINLESS STEEL
ENG.	ENGINEER	STD.	STANDARD
EQ.	EQUAL	STL.	STEEL
EXP.	EXPANSION	STRUC.	STRUCTURAL
EXST.(E)	EXISTING	TEMP.	TEMPORARY
EXT.	EXTERIOR	THK.	THICK(NESS)
FAB.	FABRICATION(OR)	T.N.	TOE NAIL
F.F.	FINISH FLOOR	T.O.A.	TOP OF ANTENNA
F.G.	FINISH GRADE	T.O.C.	TOP OF CURB
FIN.	FINISH(ED)	T.O.F.	TOP OF FOUNDATION
FLR.	FLOOR	T.O.P.	TOP OF PLATE (PARAPET)
FDN.	FOUNDATION	T.O.S.	TOP OF STEEL
F.O.C.	FACE OF CONCRETE	T.O.W.	TOP OF WALL
F.O.M.	FACE OF MASONRY	TYP.	TYPICAL
F.O.S.	FACE OF STUD	U.G.	UNDER GROUND
F.O.W.	FACE OF WALL	U.L.	UNDERWRITERS LABORATORY
F.S.	FINISH SURFACE	U.N.O.	UNLESS NOTED OTHERWISE
FT.(')	FOOT (FEET)	V.I.F.	VERIFY IN FIELD
FTG.	FOOTING	W	WIDE(WIDTH)
G.	GROWTH (CABINET)	W./	WITH
GA.	GAUGE	WD.	WOOD
GI.	GALVANIZE(D)	W.P.	WEATHERPROOF
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER	WT.	WEIGHT
GLB (GLU-LAM)	GLUE LAMINATED BEAM	℄	CENTERLINE
GPS	GLOBAL POSITIONING SYSTEM	℄	PLATE, PROPERTY LINE

GENERAL NOTES FOR EXISTING AWS CELL SITES

GENERAL NOTES FOR EXISTING AT&T CELL SITES:

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
2. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
3. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
4. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
5. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
6. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

GENERAL NOTES

GENERAL CONSTRUCTION NOTES:

1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHAPTER 23 OF THE CBC REGARDING EARTHQUAKE PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS AND MECHANICAL EQUIPMENT. ALL WORK MUST BE IN ACCORDANCE WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
11. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
12. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.
13. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.
14. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
15. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
16. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.
17. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.
18. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
19. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
20. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION
21. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK. AS SPECIFIED ON SITE PLAN.
22. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
23. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.

at&t
4430 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU0045/CNU4329
LTE SITE: CCL00045
FA #: 10087985 USID: 12710
MILLS COLLEGE
5000 MACARTHUR BLVD.
OAKLAND, CA 94650

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EXP. 06-30-12
CIVIL
STATE OF CALIFORNIA

SHEET TITLE:
GENERAL NOTES, LEGEND AND ABBREVIATIONS

SHEET NUMBER:
T-2

SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY. CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

GENERAL NOTES:

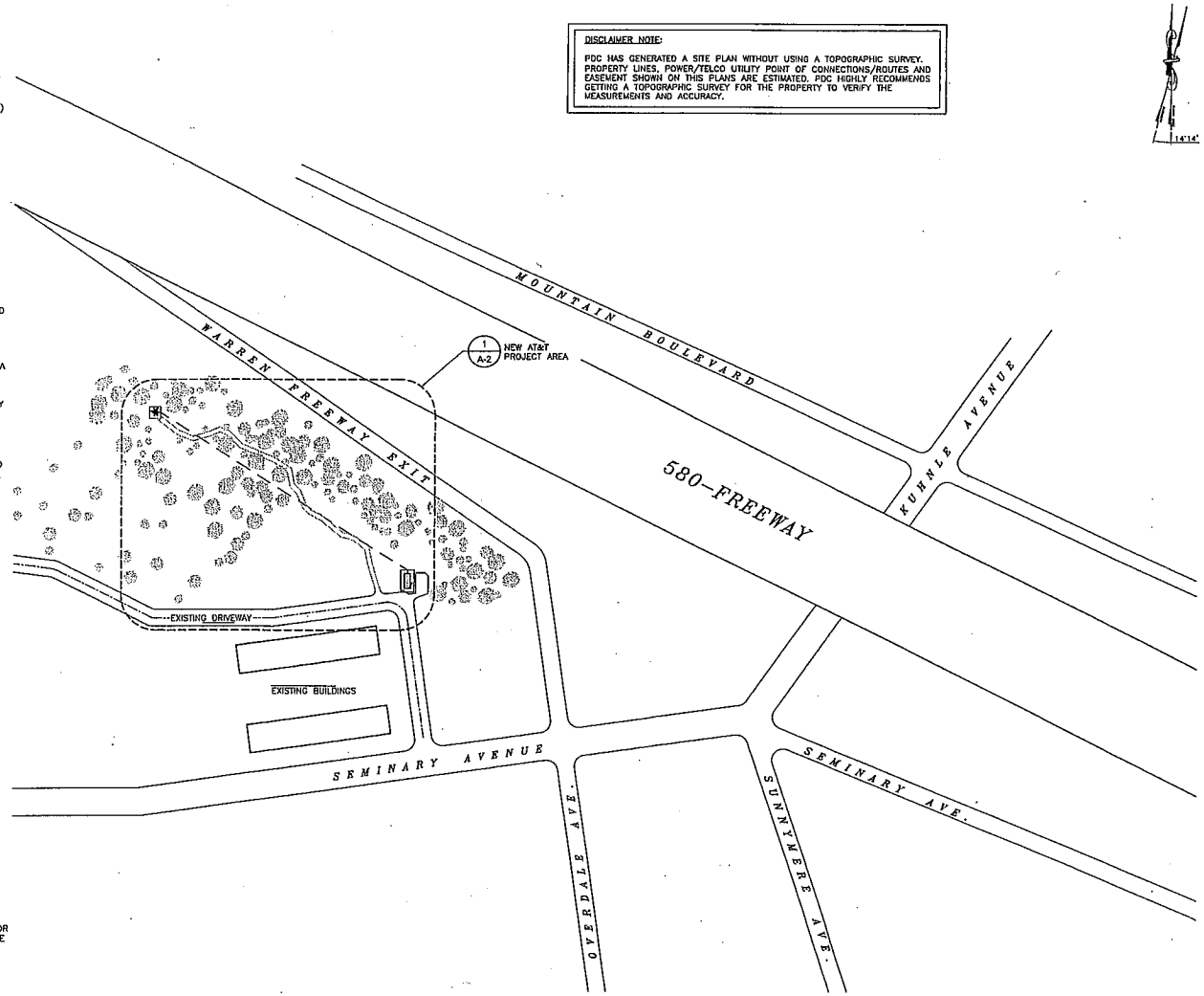
1. THIS PROPOSAL IS FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF THE INSTALLATION OF: ONE (1) MAIN UNIT MOUNTED ON EXISTING RACK INSIDE EXISTING SHELTER, TWO (2) LTE ANTENNAS, FOUR (4) RRU'S, ONE (1) 3" FIBER/POWER CONDUIT, FOUR (4) RET CONTROLLERS, ONE (1) NEW FIBER/POWER DOME UNIT, AND ONE (1) NEW GPS ANTENNA MOUNTED ON EXISTING EQUIPMENT SHELTER. ALL NEW/EXISTING EQUIPMENT ON MONOPOLE TO BE PAINTED A MUTED FORREST-GREEN INCLUDING MONOPOLE.
2. THE EXISTING FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
3. THE EXISTING FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED).
4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
5. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL.
6. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT NEW.
7. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
9. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
10. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
11. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND DRAWINGS PROVIDED BY THE SITE OWNER. SUBCONTRACTOR SHALL NOTIFY AT&T OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

SITE WORK GENERAL NOTES:

1. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
2. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
3. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
5. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
6. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
9. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
10. ADD ELECTRICAL CONNECTIONS IN THE PUBLIC RIGHT OF WAY SHALL BE INSTALLED UNDERGROUND TO THE NEAREST UTILITY POLE.
11. NO WORK SHALL BE DONE WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT THE PRIOR APPROVAL AND PERMIT FROM THE ENVIRONMENTAL AND PUBLIC WORKS MANAGEMENT DEPARTMENT - ADMINISTRATIVE SERVICES.
12. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED OFFSITE IMPROVEMENTS CAUSED BY CONSTRUCTION. CALL PUBLIC WORKS INSPECTOR FOR INSPECTION OF OFFSITE IMPROVEMENTS AT SUBSTANTIAL COMPLETION OF ONSITE WORK.
13. NO CONSTRUCTION DEBRIS SHALL BE SPILLED OR STORED ONTO PUBLIC RIGHT-OF-WAY.
14. NO RUNOFF SEDIMENT OR WASTES IS ALLOWED IN WATER LEAVING THE SITE.
15. ALL SITE UTILITIES SHALL BE CONSTRUCTED UNDERGROUND TO THE NEAREST POLE.
16. ALL LABOR, EQUIPMENT AND MATERIAL REQUIRED FOR OFF-SITE IMPROVEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

DISCLAIMER NOTE:

PDC HAS GENERATED A SITE PLAN WITHOUT USING A TOPOGRAPHIC SURVEY. PROPERTY LINES, POWER/TELCO UTILITY POINT OF CONNECTIONS/ROUTES AND EASEMENT SHOWN ON THIS PLANS ARE ESTIMATED. PDC HIGHLY RECOMMENDS GETTING A TOPOGRAPHIC SURVEY FOR THE PROPERTY TO VERIFY THE MEASUREMENTS AND ACCURACY.



SITE PLAN

100' 0 100' SCALE 1" = 100'-0" 1

at&t
4430 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU0045/CNU4329
LTE SITE: CCL00045
FA #: 10087965 USID: 12710
MILLS COLLEGE
5000 MACARTHUR BLVD.
OAKLAND, CA 94650

CURRENT ISSUE DATE:
01/25/11

ISSUED FOR:
REV-1 CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	07/29/10	90% CONSTRUCTION DRAWING	FG
0	11/19/10	100% CONSTRUCTION DRAWING	HG
1	01/25/11	CITY COMMENTS	PN

PLANS PREPARED BY:
PDC CORPORATION
1682 CONCANNON BLVD.
LIVERMORE, CA 94550
TEL: (925) 606-5868

CONSULTANT:
LYLE
3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY:	CHK.:	APV.:
FG	PP	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-12
CIVIL
STATE OF CALIFORNIA

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1

SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

NOTES:

1. NEW AT&T CABINET TO BE CONNECTED TO EXISTING DC POWER, TELCO CABINET & GROUND BAR.
2. NEW AT&T COAX CABLES ROUTED ALONG SIDE OF EXISTING COAX CABLE RUN. (GENERAL CONTRACTOR TO VERIFY EXACT ROUTE PRIOR TO CONSTRUCTION)
3. ALL NEW/EXISTING EQUIPMENT ON MONOPOLE TO BE PAINTED A MUTED FORREST-GREEN INCLUDING MONOPOLE.

DISCLAIMER NOTE:

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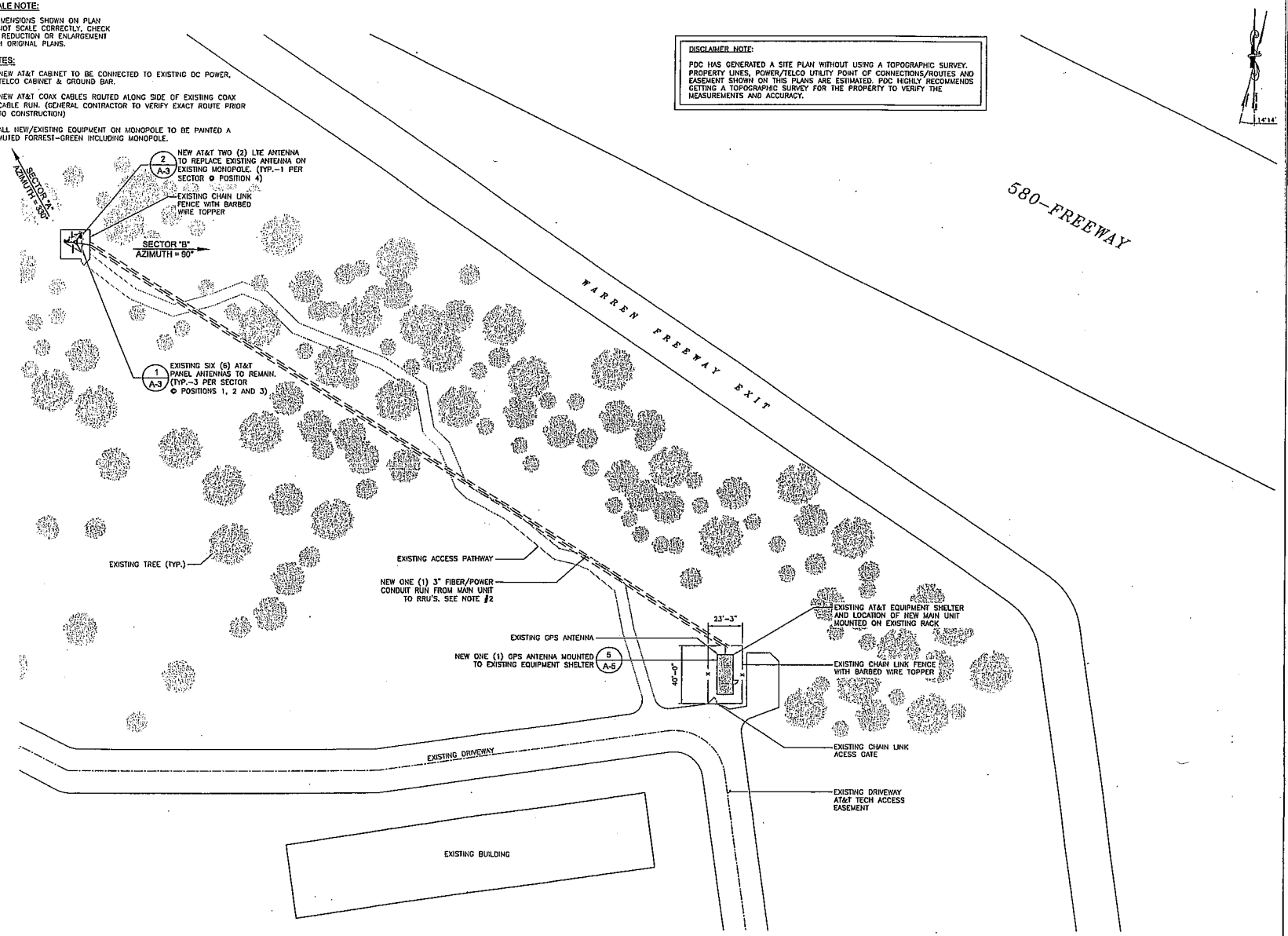

ENLARGED SITE PLAN

32' 0 32' SCALE 1/32" = 1'-0" 1

at&t
4430 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU0045/CNU4329
LTE SITE: CCL00045
FA #: 10087965 USID: 12710
MILLS COLLEGE
5000 MACARTHUR BLVD.
OAKLAND, CA 94650

CURRENT ISSUE DATE:
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0	11/19/10	100% CONSTRUCTION DRAWING	HG
1	01/25/11	CITY COMMENTS	PN

PLANS PREPARED BY:
PDC CORPORATION
1052 CONCANNON BLVD.
LIVERMORE, CA 94550
TEL: (925) 606-5868

CONSULTANT:
LYLE
3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY:	CHK.:	APV.:
FG	PP	SAS

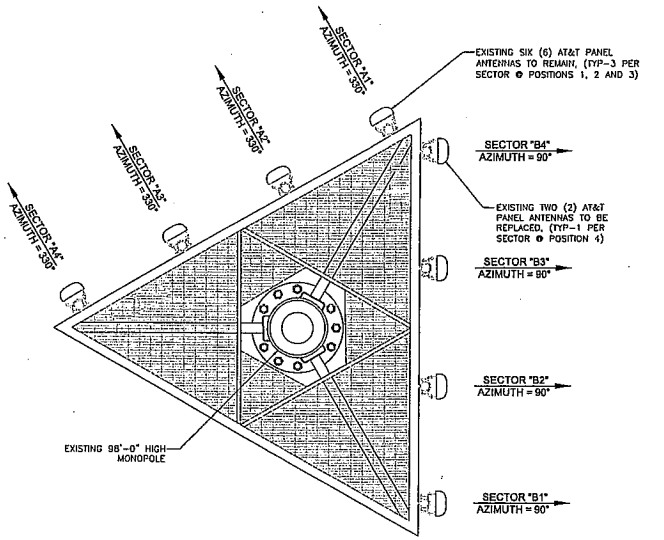
LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-12
CIVIL
STATE OF CALIFORNIA

SHEET TITLE:
ENLARGED SITE PLAN

SHEET NUMBER:
A-2

SCALE NOTE:

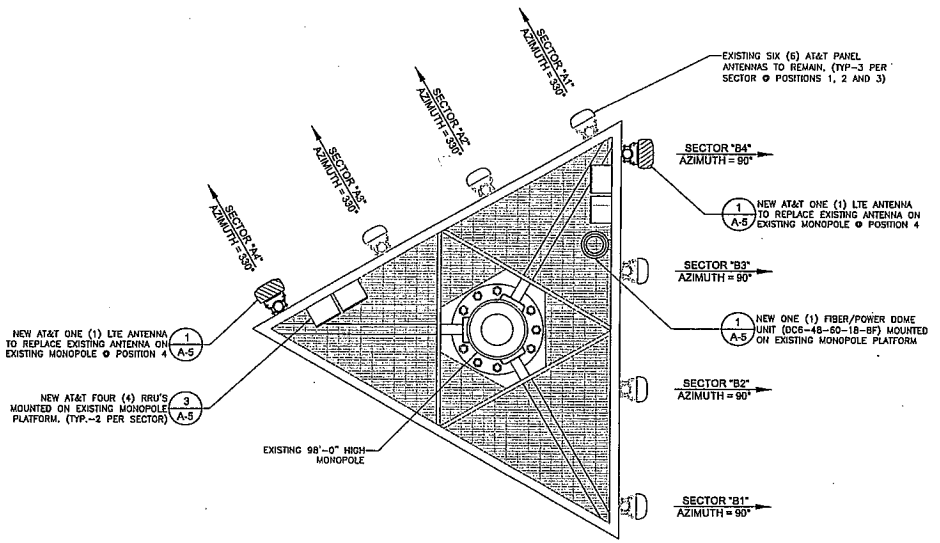
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.



EXISTING ANTENNA PLAN | 2' 0 2' | SCALE 1/2" = 1'-0" | 1

NOTES:

1. ANTENNA CONFIGURATIONS BASED ON RFDS REVISION 8.2 DATED 04-30-2010
2. NEW ANTENNA DIMENSIONS: (56" x 12" x 6")
3. ALL NEW/EXISTING EQUIPMENT ON MONOPOLE TO BE PAINTED A MUTED FORREST-GREEN INCLUDING MONOPOLE.



NEW ANTENNA PLAN | 2' 0 2' | SCALE 1/2" = 1'-0" | 2

at&t
4430 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU0045/CNU4329
LTE SITE: CCL00045
FA #: 10087965 USID: 12710
MILLS COLLEGE
5000 MACARTHUR BLVD.
OAKLAND, CA 94650

CURRENT ISSUE DATE:

01/25/11

ISSUED FOR:

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1	01/25/11	CITY COMMENTS	PN

PLANS PREPARED BY:

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1052 CONCANNON BLVD.
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CONSULTANT:

LYLE
3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY:	CHK.:	APV.:
FG	PP	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-12
CIVIL
STATE OF CALIFORNIA

SHEET TITLE:

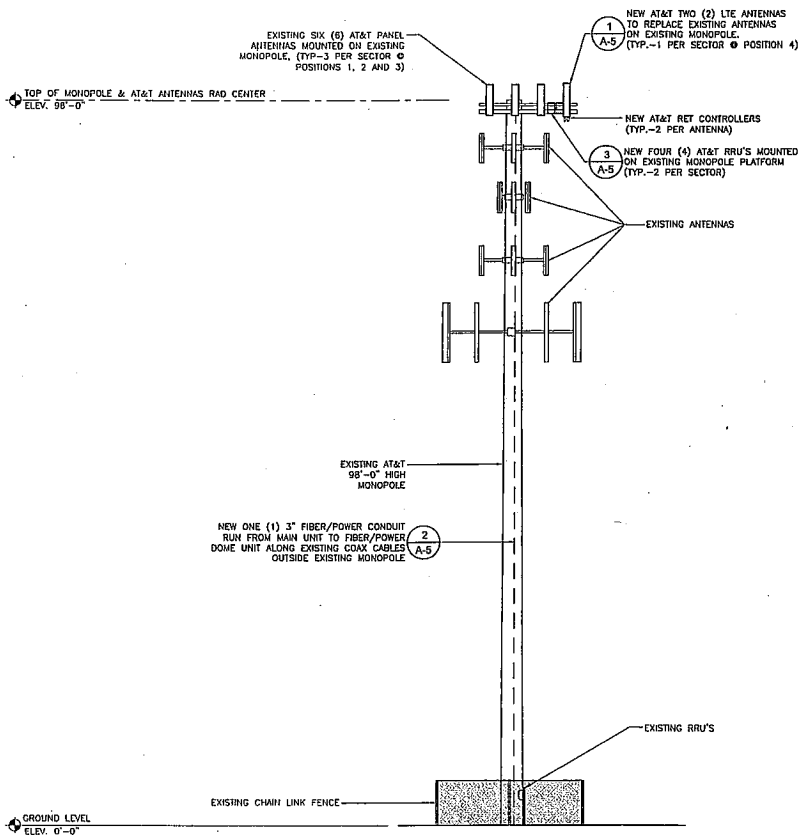
ANTENNA PLANS

SHEET NUMBER:

A-3

SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.



NORTH ELEVATION

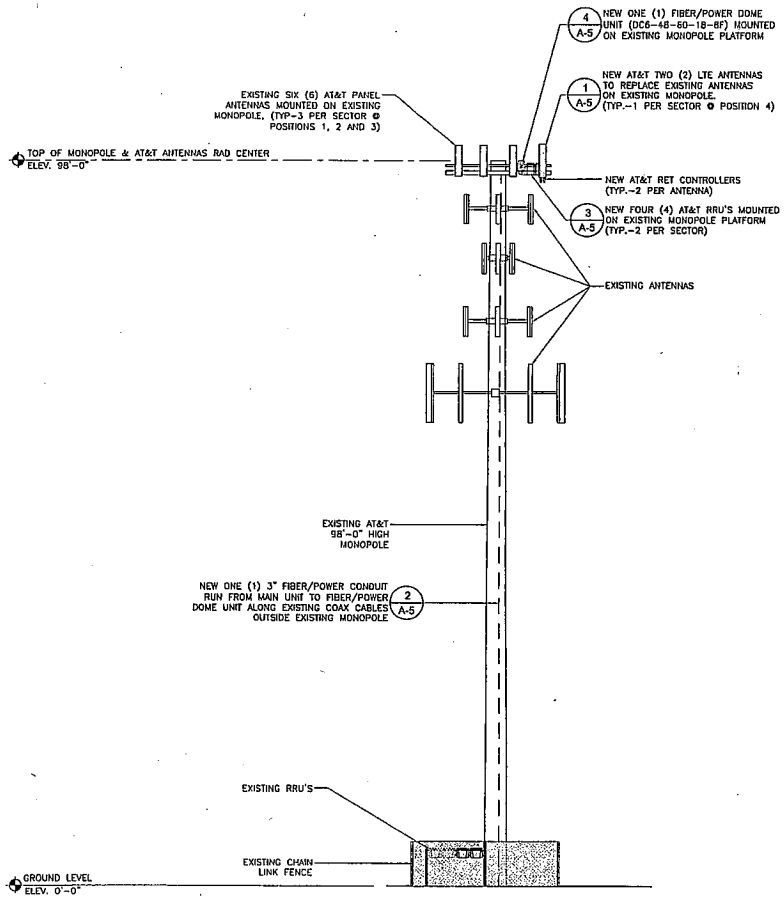
8' 4' 0 8' 16'

SCALE 1/8" = 1'-0"

1

NOTES:

1. ALL NEW/EXISTING EQUIPMENT ON MONOPOLE TO BE PAINTED A MUTED FORREST-GREEN INCLUDING MONOPOLE.



EAST ELEVATION

8' 4' 0 8' 16'

SCALE 1/8" = 1'-0"

2

at&t

4430 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU0045/CNU4329

LTE SITE: CCL00045
FA #: 10087965 USID: 12710

MILLS COLLEGE

5000 MACARTHUR BLVD.
OAKLAND, CA 94650

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PLANS PREPARED BY:

PDC CORPORATION

1062 CONCANNON BLVD.
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TEL: (925) 606-5868

CONSULTANT:

LYLE

3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY:	CHK.:	APV.:
FG	PP	SAS

LICENSER:

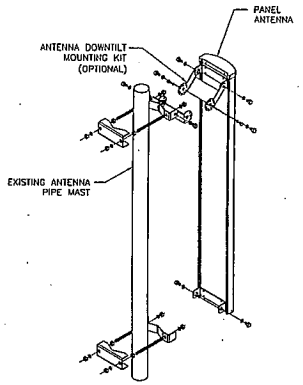
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-12
CIVIL
STATE OF CALIFORNIA

SHEET TITLE:

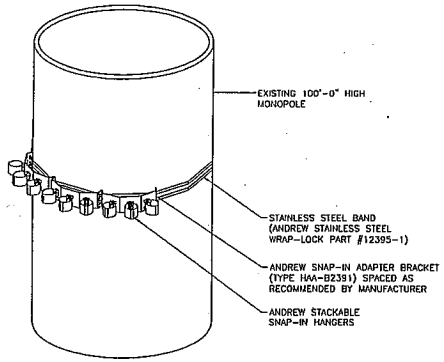
ELEVATIONS

SHEET NUMBER:

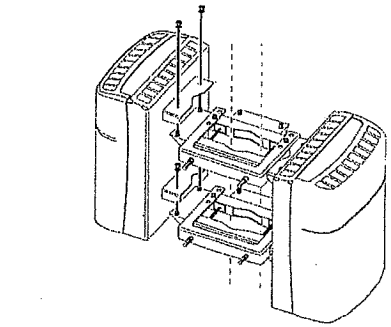
A-4

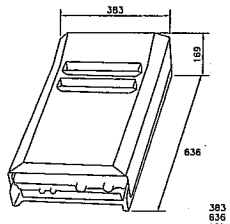


ANTENNA MOUNTING DETAIL | 1



COAX CABLE SNAP-IN HANGER DETAIL | 2





UNIT MEASUREMENT mm

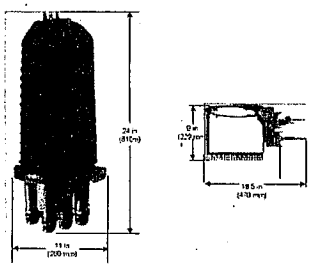
WEIGHT AND COLOR

DESCRIPTION	VALUE
WEIGHT	
RRUS	20 kg
COLOR	
GRAY	NCS S2502-R

20 kg = 44.09 POUNDS

383 mm = 15.07 INCHES
636 mm = 25.03 INCHES
169 mm = 6.65 INCHES

RRU DETAILS | 3



DC6-48-60-18-8F

DC Power Surge Protection

Electrical Specifications	
Model Number	DC6-48-60-18-8F*
Nominal Operating Voltage	-48 VDC
Nominal Discharge Current (I_n)	20 kA 8/20 µs
Maximum Discharge Current (I_{max}) per NEMA LS-1	60 kA 8/20 µs
Maximum Continuous Operating Voltage (U_c)	75 VDC
Voltage Protection Rating	400 V

*Module Assembly Part # - DC6-48-60-18-8F-U Field upgradable, universal module package for 1 remote radio

Mechanical Specifications	
Suppression Connection Method	Compression lug #2 AWG Copper, #2 #12 Aluminum
Fiber Connection Method	LC/LC Single mode duplex
Environmental Rating	IP 65, 7m 72hrs
Operating Temperature	-40° C to + 60° C
Storage Temperature	-40° C to + 60° C
Cold Temperature Cycling	IEC 61300-2-22: -30° C to + 60° C 200 hrs @ 5 psi
Resistance to Aggressive Materials	CEI IEC 61073-2 including seals and bases
UV Protection	ISO 4892-2 Method A Xenon-Arc 2160 hrs

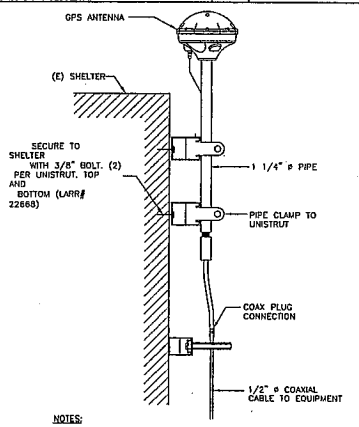
WEIGHT
System: 18.9 lbs (84.07 N)
Mount : 13.9 lbs (57.38 N)
Total: 32.8 lbs (141.43 N)

Stand-alone Module Assembly: 1 lb (4.45 N)

COMBINED WIND LOADING
150mph (sustained) : 105.7 lbs (476 N)
195mph (gust): 213.6 lbs (950 N)

STANDARDS
Smiscorb mod.Jas are compliant to the following Surge Protection Device (SPD) Standards:
- ANSI/UL 1449 - 3rd Edition
- IEEE C62.41
- NEMA LS-1, IEC 61643-1:2005 2nd Edition:2005
- IEC 61643-12
- EN 61643-11:2002 (including A11:2007)

DC6-48-60-18-8F SPECS | 4



NOTES:

1. LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY AND CANNOT HAVE ANY BLOCKAGES EXCEEDING 25% OF THE SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.
2. ALL GPS ANTENNA LOCATIONS MUST BE ABLE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF FOUR (4) SATELLITES. VERIFY WITH HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.
3. THE WEIGHT OF THE ANTENNA MOUNT IS 6.5 LBS.
4. IF ICE BRIDGE OR SIMILAR POST IS NOT GROUNDED, GROUND WITH #2 AWG TINNED BARE COPPER WIRE EXOTHERMICALLY BONDED TO POST AND CONNECTED TO GROUND RING.

GPS ANTENNA DETAIL | 5

at&t
4430 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU0045/CNU4329
LTE SITE: CCL00045
FA #: 10087985 USID: 12710
MILLS COLLEGE
5000 MACARTHUR BLVD.
OAKLAND, CA 94650

CURRENT ISSUE DATE:
01/25/11

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REV-1 CONSTRUCTION DRAWING

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A	07/29/10	90% CONSTRUCTION DRAWING	FG
0	11/19/10	100% CONSTRUCTION DRAWING	HG
1	01/25/11	CITY COMMENTS	PN

PLANS PREPARED BY:

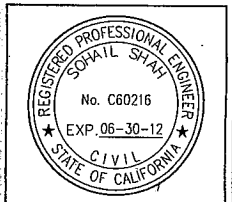
PDC CORPORATION
1062 CONCANNON BLVD.
LIVERMORE, CA 94550
TEL: (925) 606-5868

CONSULTANT:

LYLE
3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

DRAWN BY:	CHK.:	APV.:
FG	PP	SAS

LICENSER:

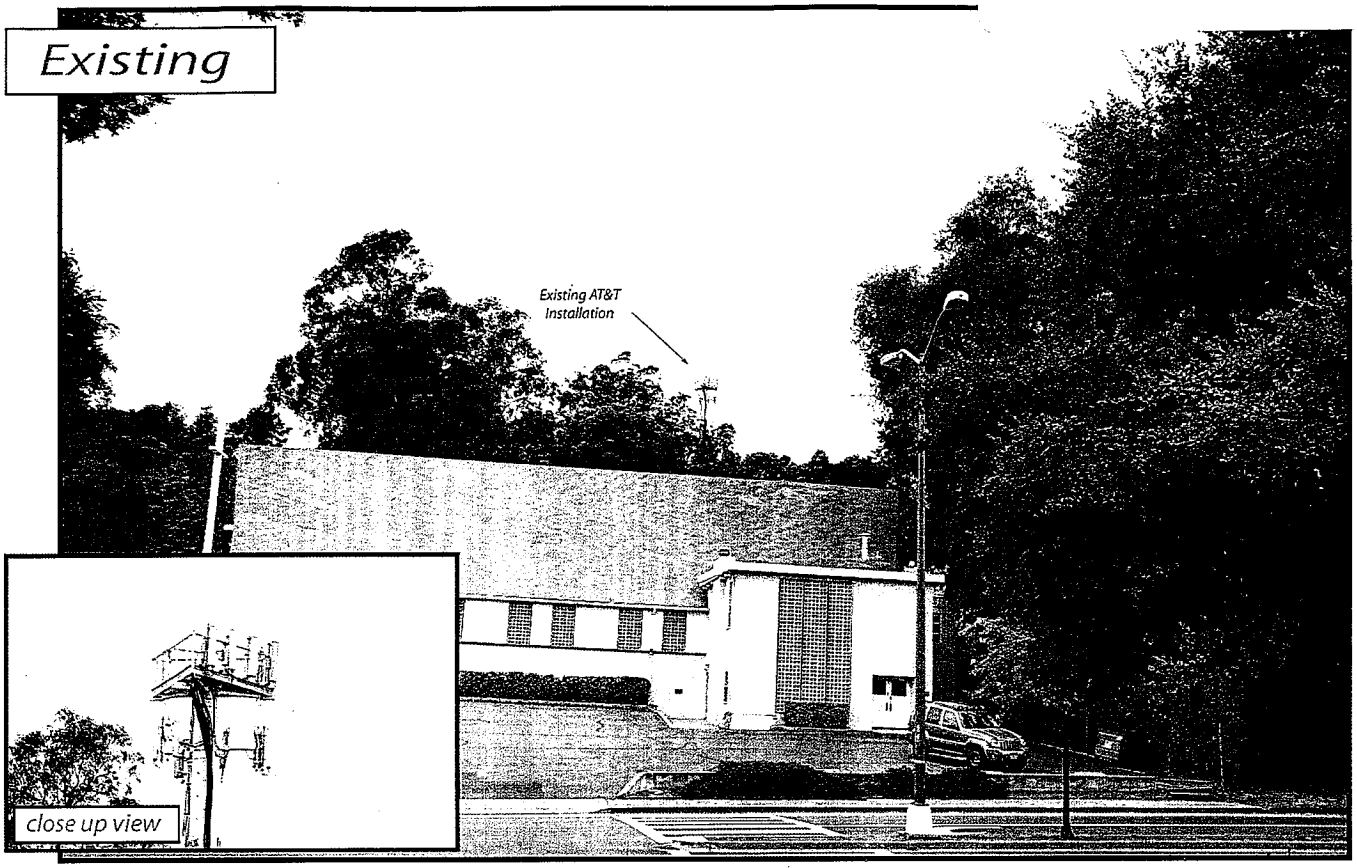


SHEET TITLE:
ANTENNA AND CONSTRUCTION DETAILS

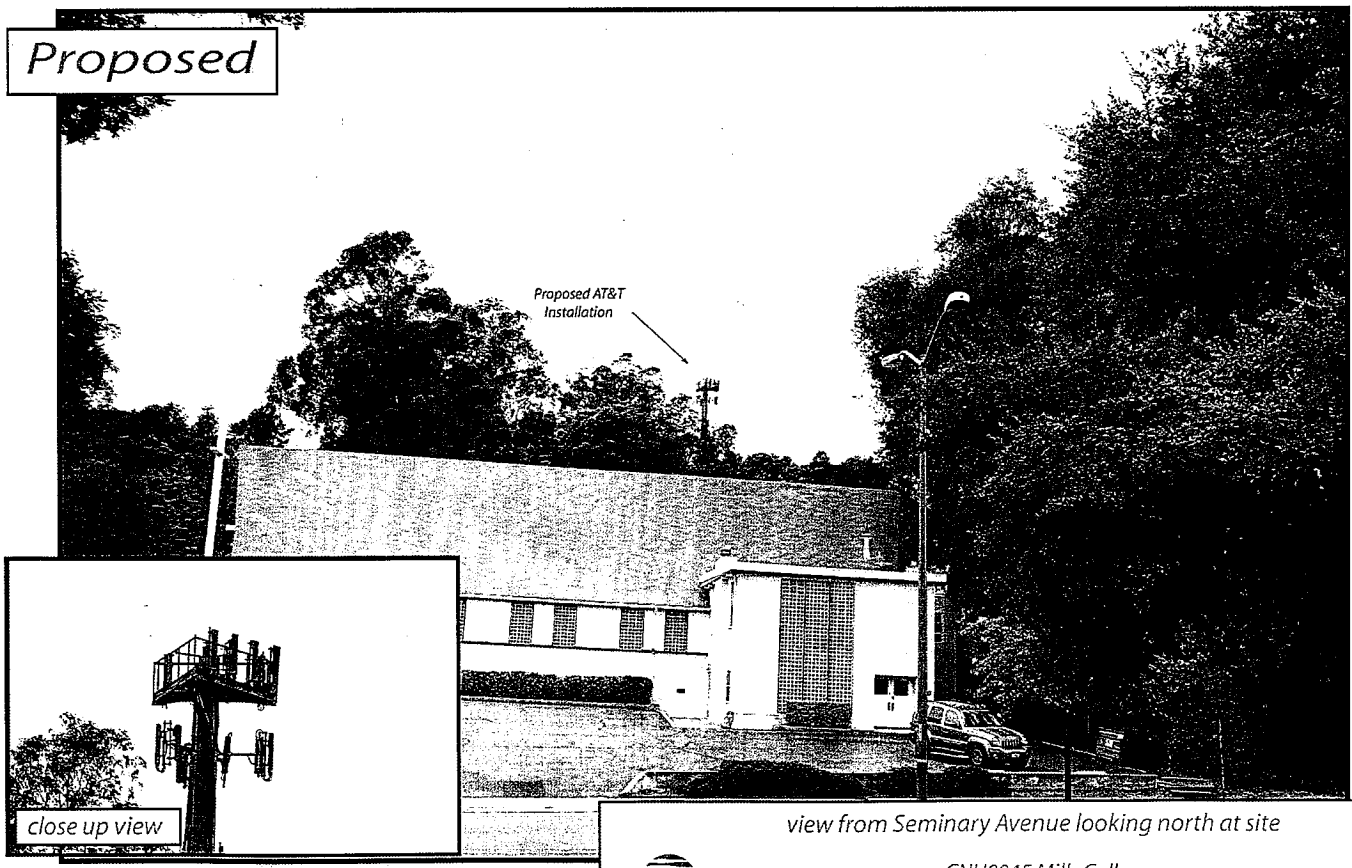
SHEET NUMBER:
A-5

ATTACHMENT A

Existing



Proposed



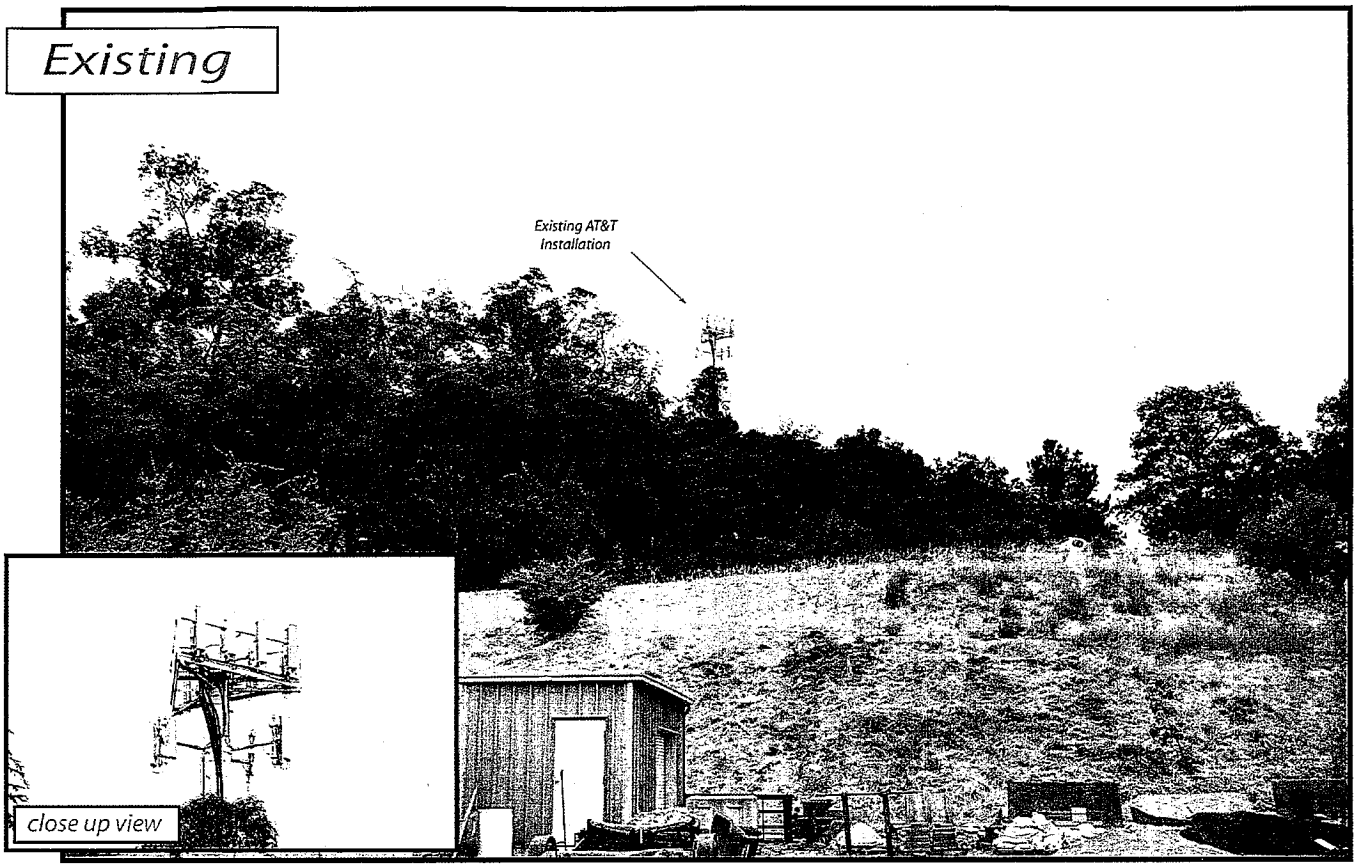
view from Seminary Avenue looking north at site

AT&T Wireless

CNU0045 Mills College
5000 MacArth ur Blvd., Oakland, CA

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing



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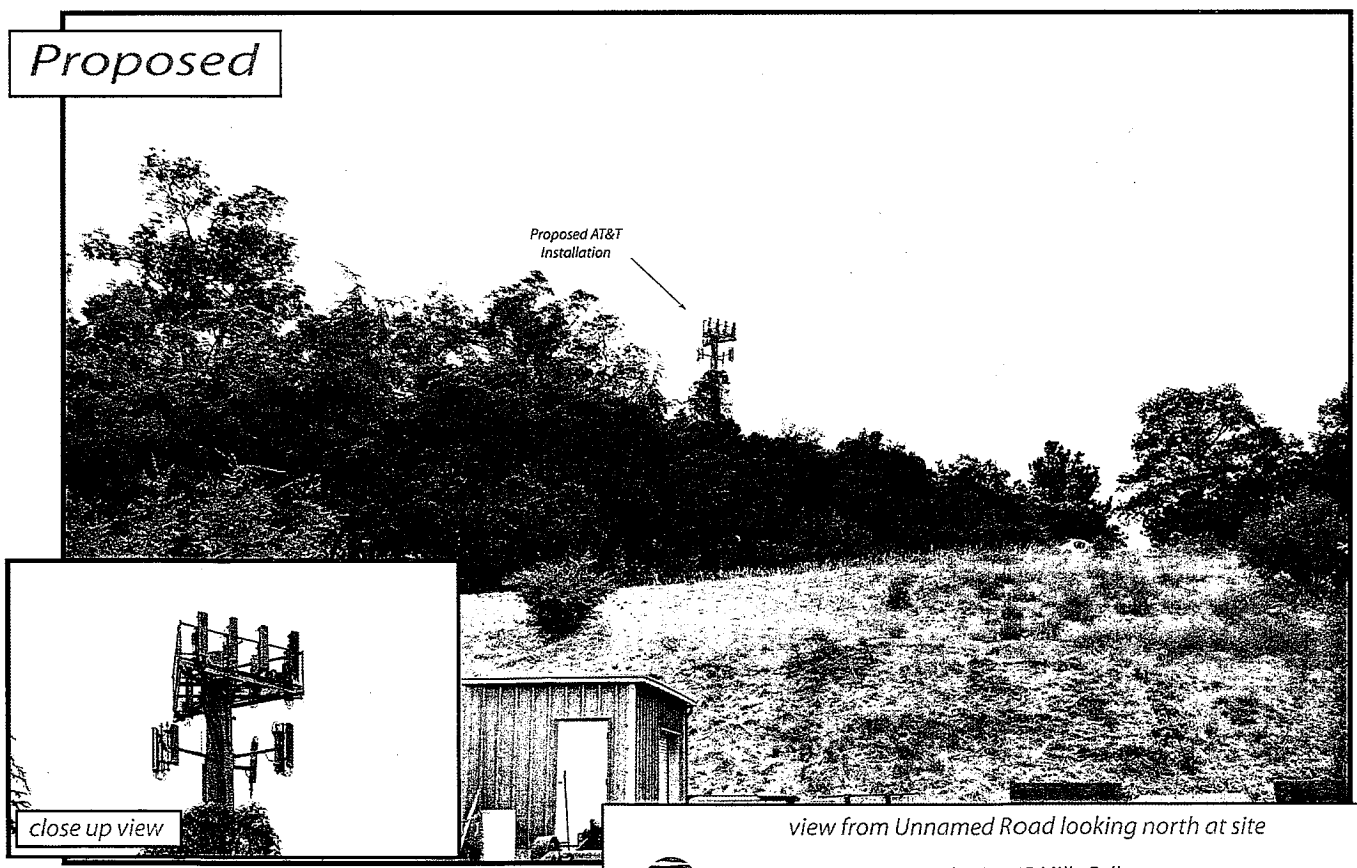
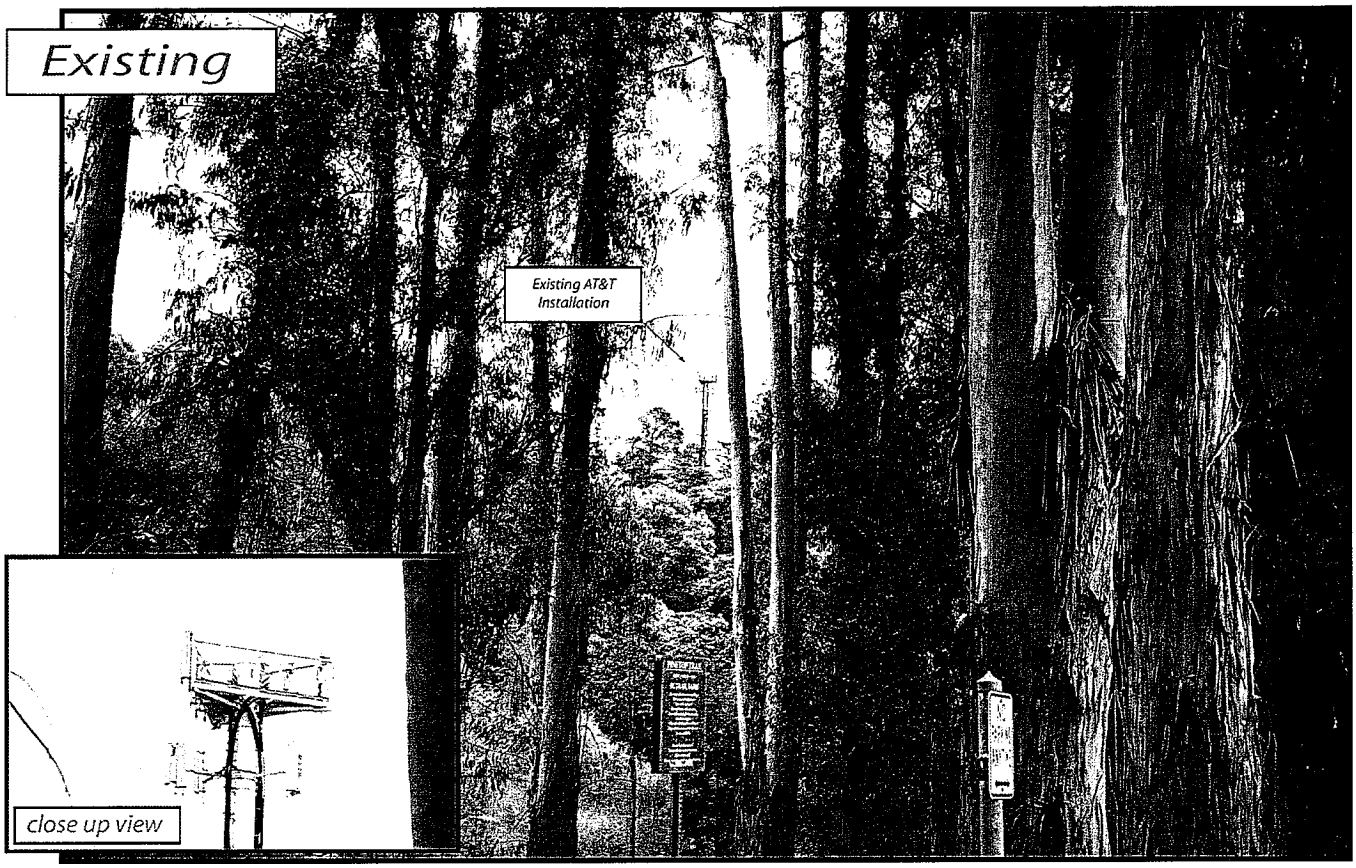


view from Unnamed Road looking north at site

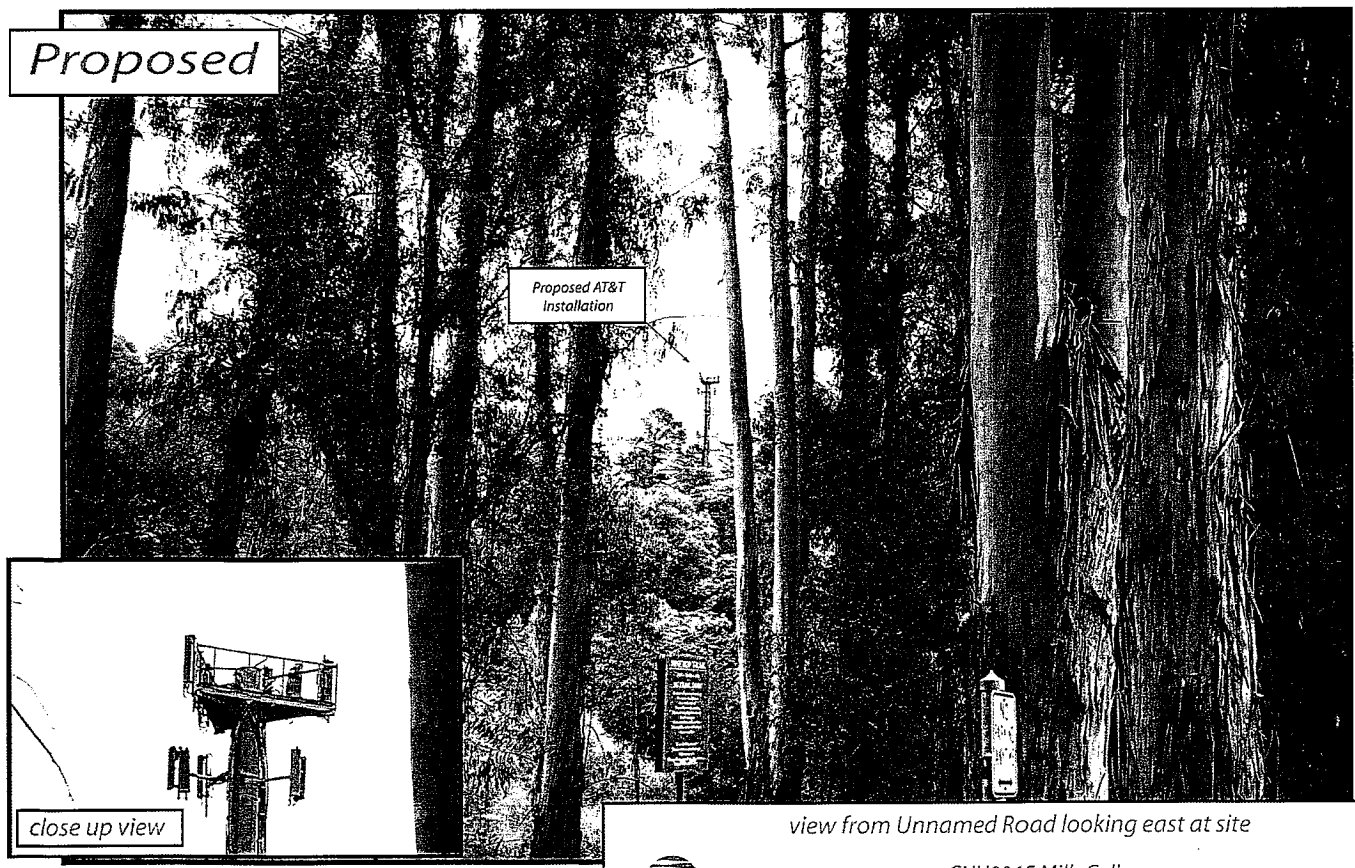
AT&T Wireless

CNU0045 Mills College
5000 MacArth ur Blvd., Oakland, CA

Existing



Proposed



view from Unnamed Road looking east at site

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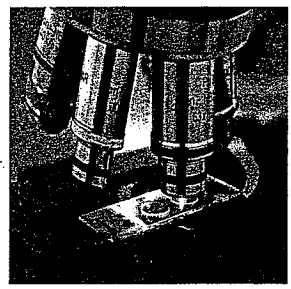
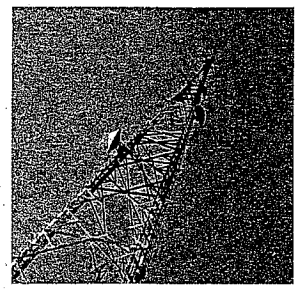
CNU0045 Mills College
5000 MacArth ur Blvd., Oakland, CA

AdvanceSite
Photo Simulation Solutions
Contact (925) 202-0507


Real Estate


Healthcare


Life Sciences


Telecom


Industrial

Atlanta, GA
Baltimore, MD
Burlington, MA
Chicago, IL
Dallas, TX
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APPENDICES

EXECUTIVE SUMMARY

Purpose of Report

EnviroBusiness Inc. (dba EBI Consulting) has been contracted by AT&T Mobility, LLC to conduct radio frequency electromagnetic (RF-EME) modeling for AT&T Site CNU0045 located at 5000 Mac Arthur Blvd in Oakland, California to determine RF-EME exposure levels from proposed AT&T wireless communications equipment at this site. As described in greater detail in Section 2.0 of this report, the Federal Communications Commission (FCC) has developed Maximum Permissible Exposure (MPE) Limits for general public exposures and occupational exposures. This report summarizes the results of RF-EME modeling in relation to relevant FCC RF-EME compliance standards for limiting human exposure to RF-EME fields.

This report contains a detailed summary of the RF EME analysis for the site, including the following:

- Antenna Inventory
- Site Plan with antenna locations
- Antenna inventory with relevant parameters for theoretical modeling
- Graphical representation of theoretical MPE fields based on modeling
- Graphical representation of recommended signage and/or barriers

This document addresses the compliance of AT&T's transmitting facilities independently and in relation to all collocated facilities at the site.

Statement of Compliance

A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

As presented in the sections below, based on worst-case predictive modeling, there are no modeled areas on any accessible ground-level walking/working surface related to the proposed antennas that exceed the FCC's occupational or general public exposure limits at this site.

AT&T Recommended Signage/Compliance Plan

AT&T's RF Exposure Policy guidance, dated March 31, 2009, requires that:

1. All sites must be analyzed for RF exposure compliance;
2. All sites must have that analysis documented; and
3. All sites must have any necessary signage and barriers installed.

Site compliance recommendations have been developed based upon protocols presented in AT&T's RF Exposure Policy guidance document, dated March 31, 2009, additional guidance provided by AT&T, EBI's understanding of FCC and OSHA requirements, and common industry practice. Barrier locations have been identified (when required) based on guidance presented in AT&T's RF Exposure Policy guidance document, dated March 31, 2009. The following signage is recommended at this site:

- Green INFO 1 sign posted next to the access gate to the monopole.
- Yellow CAUTION sign posted at the base of the monopole.

The signage proposed for installation at this site complies with AT&T's RF Exposure Policy and therefore complies with FCC and OSHA requirements. No barriers are recommended for this site. More detailed information concerning site compliance recommendations is presented in Section 5.0 and Appendix E of this report.

1.0 SITE DESCRIPTION

This project involves the proposed installation of up to two (2) additional wireless telecommunication antennas on a monopole in Oakland, California. There are currently six (6) AT&T wireless telecommunication antennas on the monopole. There are two Sectors (A and B) proposed at the site, with four (4) antennas that may be installed per sector. In each sector, there is proposed to be one GSM antenna transmitting in the 850 MHz and the 1900 MHz frequency ranges, one UMTS antenna transmitting in the 850 MHz and the 1900 MHz frequency ranges, one UMTS antenna transmitting in the 1900 MHz frequency range, and one LTE antenna transmitting in the 700 MHz and 1710 MHz frequency ranges. The Sector A antennas will be oriented 330° from true north. The Sector B antennas will be oriented 90° from true north. The bottoms of the GSM and UMTS antennas will be 95.84 feet above ground level. The bottoms of the LTE antennas will be 95.7 feet above ground level. Appendix B presents an antenna inventory for the site..

Access to this site is accomplished via a gate in the fence surrounding the tower. Workers must be elevated to antenna level to access them, so these antennas are not accessible to the general public.

2.0 FEDERAL COMMUNICATIONS COMMISSION (FCC) REQUIREMENTS

The FCC has established Maximum Permissible Exposure (MPE) limits for human exposure to Radiofrequency Electromagnetic (RF-EME) energy fields, based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP) and, over a wide range of frequencies, the exposure limits developed by the Institute of Electrical and Electronics Engineers, Inc. (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general public/uncontrolled exposure limits for members of the general public.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/ controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general public/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

General public/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Table 1 and Figure 1 (below), which are included within the FCC's OET Bulletin 65, summarize the MPE limits for RF emissions. These limits are designed to provide a substantial margin of safety. They vary by frequency to take into account the different types of equipment that may be in operation at a

particular facility and are "time-averaged" limits to reflect different durations resulting from controlled and uncontrolled exposures.

The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm^2). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm^2) and an uncontrolled MPE of 1 mW/cm2 for equipment operating in the 1900 MHz frequency range. For the AT&T equipment operating at 850 MHz, the FCC's occupational MPE is 2.83 mW/cm^2 and an uncontrolled MPE of 0.57 mW/cm^2. These limits are considered protective of these populations.

Table 1: Limits for Maximum Permissible Exposure (MPE)

(A) Limits for Occupational/Controlled Exposure

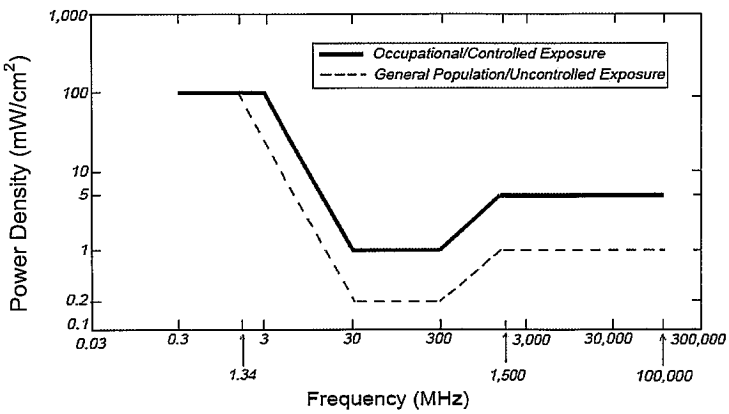
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $[E]^2$, $[H]^2$, or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1,500	--	--	f/300	6
1,500-100,000	--	--	5	6

(B) Limits for General Public/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $[E]^2$, $[H]^2$, or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

f = Frequency in (MHz)
* Plane-wave equivalent power density

Figure 1. FCC Limits for Maximum Permissible Exposure (MPE)
Plane-wave Equivalent Power Density



Based on the above, the most restrictive thresholds for exposures of unlimited duration to RF energy for several personal wireless services are summarized below:

Personal Wireless Service	Approximate Frequency	Occupational MPE	Public MPE
Personal Communication (PCS)	1,950 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Cellular Telephone	870 MHz	2.90 mW/cm^2	0.58 mW/cm^2
Specialized Mobile Radio	855 MHz	2.85 mW/cm^2	0.57 mW/cm^2
Most Restrictive Freq, Range	30-300 MHz	1.00 mW/cm^2	0.20 mW/cm^2

MPE limits are designed to provide a substantial margin of safety. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

Personal Communication (PCS) facilities used by AT&T in this area operate within a frequency range of 850-1900 MHz. Facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send the wireless signals created by the transceivers to be received by individual subscriber units (PCS telephones). Transceivers are typically connected to antennas by coaxial cables.

Because of the short wavelength of PCS services, the antennas require line-of-site paths for good propagation, and are typically installed above ground level. Antennas are constructed to concentrate energy towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of PCS facilities, generally results in no possibility for exposure to approach Maximum Permissible Exposure (MPE) levels, with the exception of areas directly in front of the antennas.

3.0 AT&T RF Exposure Policy Requirements

AT&T's RF Exposure Policy guidance, dated March 31, 2009, requires that:

1. All sites must be analyzed for RF exposure compliance;
2. All sites must have that analysis documented; and
3. All sites must have any necessary signage and barriers installed.

Pursuant to this guidance, worst-case predictive modeling was performed for the site. This modeling is described below in Section 4.0. Lastly, based on the modeling and survey data, EBI has produced a Compliance Plan for this site that outlines the recommended signage and barriers. The recommended Compliance Plan for this site is described in Section 5.0.

4.0 Worst-Case Predictive Modeling

In accordance with AT&T's RF Exposure policy, EBI performed theoretical modeling using RoofView® software to estimate the worst-case power density at the site ground-level resulting from operation of the antennas. RoofView® is a widely-used predictive modeling program that has been developed by Richard Tell Associates to predict both near field and far field RF power density values for roof-top and tower telecommunications sites produced by vertical collinear antennas that are typically used in the cellular, PCS, paging and other communications services. The models utilize several operational specifications for different types of antennas to produce a plot of spatially-averaged power densities that can be expressed as a percentage of the applicable exposure limit.

For this report, EBI utilized antenna and power data provided by AT&T, and compared the resultant worst-case MPE levels to the FCC's occupational/controlled exposure limits outlined in OET Bulletin 65.

The assumptions used in the modeling are based upon information provided by AT&T, and information gathered from other sources. There are four unknown carriers, who also have antennas on the monopole. Information about these antennas was included in the modeling analysis.

Based on worst-case predictive modeling, there are no modeled areas on any accessible ground-level walking/working surface related to the proposed AT&T antennas that exceed the FCC's occupational or general public exposure limits at this site. At the nearest walking/working surfaces to the AT&T antennas, the maximum power density generated by the AT&T antennas is approximately 1.70 percent of the FCC's general public limit (0.34 percent of the FCC's occupational limit). The composite exposure level from all carriers on this site is approximately 4.80 percent of the FCC's general public limit (0.96 percent of the FCC's occupational limit) at the nearest walking/working surface to each antenna.

There are no modeled areas on the ground that exceed the FCC's limits for general public or occupational exposure in front of the other carrier antennas.

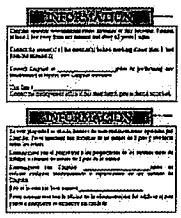
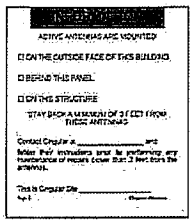
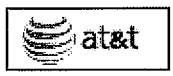
The inputs used in the modeling are summarized in the RoofView® export file presented in Appendix C. A graphical representation of the RoofView® modeling results is presented in Appendix D. It should be noted that RoofView is not suitable for modeling microwave dish antennas; however, these units are designed for point-to-point operations at the elevations of the installed equipment rather than ground level coverage.

5.0 RECOMMENDED SIGNAGE/COMPLIANCE PLAN

Signs are the primary means for control of access to areas where RF exposure levels may potentially exceed the MPE. As presented in the AT&T guidance document, the signs must:

- Be posted at a conspicuous point;
- Be posted at the appropriate locations;
- Be readily visible; and
- Make the reader aware of the potential risks prior to entering the affected area.

The table below presents the signs that may be used for AT&T installations.

Informational Signs		Alerting Signs	
	INFO 1		NOTICE
	INFO 2		CAUTION
	INFO 3		WARNING
	INFO 4		

Based upon protocols presented in AT&T's RF Exposure Policy guidance document, dated March 31, 2009, and additional guidance provided by AT&T, the following signage is recommended on the site:

Recommended Signage:

- Green INFO 1 sign posted next to the access gate to the monopole.
- Yellow CAUTION sign posted at the base of the monopole.

No barriers are required for this site. Barriers may consist of rope, chain, fencing, or painted/taped stripes. The signage and any barriers are graphically represented in the Signage Plan presented in Appendix E.

6.0 SUMMARY AND CONCLUSIONS

EBI has prepared this Radiofrequency Emissions Compliance Report for the proposed AT&T telecommunications equipment at the site located at 5000 Mac Arthur Blvd in Oakland, California.

EBI has conducted theoretical modeling to estimate the worst-case power density from AT&T antennas and other carriers' antennas to document potential MPE levels at this location and ensure that site control measures are adequate to meet FCC and OSHA requirements, as well as AT&T's corporate RF safety policies. As presented in the preceding sections, based on worst-case predictive modeling, there are no modeled exposures on any accessible ground-level walking/working surface related to proposed equipment in the area that exceed the FCC's occupational and general public exposure limits at this site. As such, the proposed AT&T project is in compliance with FCC rules and regulations.

Signage is recommended at the site as presented in Section 5.0 and Appendix E. Posting of the signage brings the site into compliance with FCC rules and regulations and AT&T's corporate RF safety policies.

7.0 LIMITATIONS

This report was prepared for the use of AT&T Mobility, LLC. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by EBI are based solely on the information provided by the client. The observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the site should be provided to EBI so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

Appendix A

Certifications

Reviewed and Approved by:

H. Stockinger
C23625 CA
expires 12-31-2011

Herbert J. Stockinger, PE
Senior Engineer

11-26-2010

Note that EBI's scope of work is limited to an evaluation of the Radio Frequency – Electromagnetic Energy (RF-EME) field generated by the antennas and broadcast equipment noted in this report. The engineering and design of the building and related structures, as well as the impact of the antennas and broadcast equipment on the structural integrity of the building, are specifically excluded from EBI's scope of work.

Preparer Certification

I, Timothy Costa, state that:

- I am an employee of EnviroBusiness Inc. (d/b/a EBI Consulting), which provides RF-EME safety and compliance services to the wireless communications industry.
- I have successfully completed RF-EME safety training, and I am aware of the potential hazards from RF-EME and would be classified "occupational" under the FCC regulations.
- I am familiar with the FCC rules and regulations as well as OSHA regulations both in general and as they apply to RF-EME exposure.
- I have been trained in on the procedures outlined in AT&T's RF Exposure Policy guidance (dated 3/31/09) and on RF-EME modeling using RoofView® modeling software.
- I have reviewed the data provided by the client and incorporated it into this Site Compliance Report such that the information contained in this report is true and accurate to the best of my knowledge.

Appendix B

Antenna Inventory

Antenna Number	Operator	Antenna Type	TX Freq (MHz)	ERP (Watts)	Gain (dBd)	Model	Azimuth (deg.)	Length (ft)	Horizontal Beamwidth (Deg.)	X	Y	Z
ATT A1	AT&T	Panel	UMTS 850	250	11.85	Kathrein 742-264	330	4.32	68	46	48	95.84
ATT A1	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	330	4.32	65	46	48	95.84
ATT A2	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	330	4.32	65	43	46	95.84
ATT A3	AT&T	Panel	GSM 850	500	11.85	Kathrein 742-264	330	4.32	68	40	44	95.84
ATT A3	AT&T	Panel	GSM 1900	500	14.65	Kathrein 742-264	330	4.32	65	40	44	95.84
ATT A4	AT&T	Panel	LTE 700	314	12.35	Kathrein 800-10764K	330	4.6	68	37	42	95.7
ATT A4	AT&T	Panel	LTE 1710	599	15.15	Kathrein 800-10764K	330	4.6	61	37	42	95.7
ATT B1	AT&T	Panel	UMTS 850	250	11.85	Kathrein 742-264	90	4.32	68	48	35	95.84
ATT B1	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	90	4.32	65	48	35	95.84
ATT B2	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	90	4.32	65	48	39	95.84
ATT B3	AT&T	Panel	GSM 850	500	11.85	Kathrein 742-264	90	4.32	68	48	43	95.84
ATT B3	AT&T	Panel	GSM 1900	500	14.65	Kathrein 742-264	90	4.32	65	48	43	95.84
ATT B4	AT&T	Panel	LTE 700	314	12.35	Kathrein 800-10764K	90	4.6	68	48	47	95.7

Antenna Number	Operator	Antenna Type	TX Freq (MHz)	ERP (Watts)	Gain (dBd)	Model	Azimuth (deg.)	Length (ft)	Horizontal Beamwidth (Deg.)	X	Y	Z
ATT B4	AT&T	Panel	LTE 1710	599	15.15	Kathrein 800-10764K	90	4.6	61	48	47	95.7
UNK1 A1	Unknown 1	Panel	850	242	12	Unknown	330	3.5	63	47	48	89.75
UNK1 A2	Unknown 1	Panel	850	242	12	Unknown	330	3.5	63	36	42	89.75
UNK1 B1	Unknown 1	Panel	850	242	12	Unknown	210	3.5	63	35	39	89.75
UNK1 B2	Unknown 1	Panel	850	242	12	Unknown	210	3.5	63	45	35	89.75
UNK1 C1	Unknown 1	Panel	850	242	12	Unknown	90	3.5	63	48	35	89.75
UNK1 C2	Unknown 1	Panel	850	242	12	Unknown	90	3.5	63	48	47	89.75
UNK2 A1	Unknown 2	Panel	850	242	12	Unknown	330	3.5	63	43	44	83.25
UNK2 A2	Unknown 2	Panel	850	242	12	Unknown	330	3.5	63	41	42	83.25
UNK2 B1	Unknown 2	Panel	850	242	12	Unknown	210	3.5	63	41	39	83.25
UNK2 B2	Unknown 2	Panel	850	242	12	Unknown	210	3.5	63	43	38	83.25
UNK2 C1	Unknown 2	Panel	850	242	12	Unknown	90	3.5	63	46	39	83.25
UNK2 C2	Unknown 2	Panel	850	242	12	Unknown	90	3.5	63	46	42	83.25

Antenna Number	Operator	Antenna Type	TX Freq (MHz)	ERP (Watts)	Gain (dBd)	Model	Azimuth (deg.)	Length (ft)	Horizontal Beamwidth (Deg.)	X	Y	Z
UNK3 A1	Unknown 3	Panel	850	242	12	Unknown	330	3.5	63	47	48	74.75
UNK3 A2	Unknown 3	Panel	850	242	12	Unknown	330	3.5	63	36	42	74.75
UNK3 B1	Unknown 3	Panel	850	242	12	Unknown	210	3.5	63	35	39	74.75
UNK3 B2	Unknown 3	Panel	850	242	12	Unknown	210	3.5	63	45	35	74.75
UNK3 C1	Unknown 3	Panel	850	242	12	Unknown	90	3.5	63	48	35	74.75
UNK3 C2	Unknown 3	Panel	850	242	12	Unknown	90	3.5	63	48	47	74.75
UNK4 A1	Unknown 4	Panel	850	242	12	Unknown	330	3.5	63	47	48	65
UNK4 A2	Unknown 4	Panel	850	242	12	Unknown	330	3.5	63	36	42	65
UNK4 B1	Unknown 4	Panel	850	242	12	Unknown	210	3.5	63	35	39	65
UNK4 B2	Unknown 4	Panel	850	242	12	Unknown	210	3.5	63	45	35	65
UNK4 C1	Unknown 4	Panel	850	242	12	Unknown	90	3.5	63	48	35	65
UNK4 C2	Unknown 4	Panel	850	242	12	Unknown	90	3.5	63	48	47	65

1. Note that EBI uses an assumed set of antenna specifications and powers for unknown and other carrier antennas for modeling purposes.

Appendix C

Roofview® Export File

Map, Settings, Antenna, and Symbol Data Table .. Exported from workbook -> RoofView 4.15.xls
Done on 11/22/2010 at 2:12:29 PM.
Use this format to prepare other data sets for the RoofView workbook file.
You may use as many rows in this TOP header as you wish.
The critical point are the cells in COLUMN ONE that read 'Start...' (eg. StartMapDefinition)
If used, these (4) headers are required to be spelled exactly, as one word (eg. StartMapDefinition)
The very next row will be considered the start of that data block.
The first row of the data block can be a header (as shown below), but this is optional.
When building a text file for import, Add the Map info first, then the Antenna data, followed by the symbol data.
All rows above the first marker line 'Start...' will be ignored, no matter how many there are.
This area is for you use for documentation.
End of help comments.

You can place as much text here as you wish as long as you don't place it below
the Start Map Definition row below the blue line.
You may insert more rows using the Insert menu.
Should you need additional lines to document your project, simply insert additional rows
by highlighting the row number adjacent to the blue line below and then clicking on the Insert menu
and selecting rows.

StartMapDefinition

Roof Max Y	Roof Max X	Map Max Y	Map Max X	Y Offset	X Offset	mber of An	envelope
120	100	150	120	20	20	1	E$81:$DZ$:E$81:DZ200

StartSettingsData

Standard	Method	Uptime	Scale Factor	Low Thr	Low Color	Mid Thr	Mid Color	Hi Thr	Hi Color	Over Color	Ap Ht Mult	p Ht Method
4	2	1	1	100	1	500	4	5000	2	3	1.5	1

StartAntennaData — It is advisable to provide an ID (ant 1) for all antennas

ID	Name	(MHz) Freq	Trans Power	Trans Count	Coax Len	Coax Type	Other Loss	Input Power	Calc Power	Mfg	Model	(ft) X	(ft) Y	(ft) Z	Type	(ft) Aper	dBd Gain	BWdth Pt Dir	Uptime Profile	ON flag
ATT A1	UMTS	850	26.78	1					26.78	Kathrein	742-264	46	48	95.84		4.32	11.85	68;330		ON
ATT A1	UMTS	1900	14.05	1					14.05	Kathrein	742-264	46	48	95.84		4.32	14.65	65;330		ON
ATT A2	UMTS	1900	14.05	1					14.05	Kathrein	742-264	43	46	95.84		4.32	14.65	65;330		ON
ATT A3	GSM	850	13.39	4					53.56	Kathrein	742-264	40	44	95.84		4.32	11.85	68;330		ON
ATT A3	GSM	1900	7.03	4					28.12	Kathrein	742-264	40	44	95.84		4.32	14.65	65;330		ON
ATT A4	LTE	700	30	1					30	Kathrein	800-10764K	37	42	95.7		4.6	12.35	68;330		ON
ATT A4	LTE	1710	30	1					30	Kathrein	800-10764K	37	42	95.7		4.6	15.15	61;330		ON
ATT B1	UMTS	850	26.78	1					26.78	Kathrein	742-264	48	35	95.84		4.32	11.85	68;90		ON
ATT B1	UMTS	1900	14.05	1					14.05	Kathrein	742-264	48	35	95.84		4.32	14.65	65;90		ON
ATT B2	UMTS	1900	14.05	1					14.05	Kathrein	742-264	48	39	95.84		4.32	14.65	65;90		ON
ATT B3	GSM	850	13.39	4					53.56	Kathrein	742-264	48	43	95.84		4.32	11.85	68;90		ON
ATT B3	GSM	1900	7.03	4					28.12	Kathrein	742-264	48	43	95.84		4.32	14.65	65;90		ON
ATT B4	LTE	700	30	1					30	Kathrein	800-10764K	48	47	95.7		4.6	12.35	68;90		ON
ATT B4	LTE	1710	30	1					30	Kathrein	800-10764K	48	47	95.7		4.6	15.15	61;90		ON
UNK1 A1	Unknown 1	850	50	1			3		25.05936	Unknown	Unknown	47	48	89.75		3.5	12	63;330		ON
UNK1 A2	Unknown 1	850	50	1			3		25.05936	Unknown	Unknown	36	42	89.75		3.5	12	63;330		ON
UNK1 B1	Unknown 1	850	50	1			3		25.05936	Unknown	Unknown	35	39	89.75		3.5	12	63;210		ON
UNK1 B2	Unknown 1	850	50	1			3		25.05936	Unknown	Unknown	45	35	89.75		3.5	12	63;210		ON
UNK1 C1	Unknown 1	850	50	1			3		25.05936	Unknown	Unknown	48	35	89.75		3.5	12	63;90		ON
UNK1 C2	Unknown 1	850	50	1			3		25.05936	Unknown	Unknown	48	47	89.75		3.5	12	63;90		ON
UNK2 A1	Unknown 2	850	50	1			3		25.05936	Unknown	Unknown	43	44	83.25		3.5	12	63;330		ON
UNK2 A2	Unknown 2	850	50	1			3		25.05936	Unknown	Unknown	41	42	83.25		3.5	12	63;330		ON
UNK2 B1	Unknown 2	850	50	1			3		25.05936	Unknown	Unknown	41	39	83.25		3.5	12	63;210		ON
UNK2 B2	Unknown 2	850	50	1			3		25.05936	Unknown	Unknown	43	38	83.25		3.5	12	63;210		ON
UNK2 C1	Unknown 2	850	50	1			3		25.05936	Unknown	Unknown	46	39	83.25		3.5	12	63;90		ON
UNK2 C2	Unknown 2	850	50	1			3		25.05936	Unknown	Unknown	46	42	83.25		3.5	12	63;90		ON
UNK3 A1	Unknown 3	850	50	1			3		25.05936	Unknown	Unknown	47	48	74.75		3.5	12	63;330		ON
UNK3 A2	Unknown 3	850	50	1			3		25.05936	Unknown	Unknown	36	42	74.75		3.5	12	63;330		ON
UNK3 B1	Unknown 3	850	50	1			3		25.05936	Unknown	Unknown	35	39	74.75		3.5	12	63;210		ON
UNK3 B2	Unknown 3	850	50	1			3		25.05936	Unknown	Unknown	45	35	74.75		3.5	12	63;210		ON
UNK3 C1	Unknown 3	850	50	1			3		25.05936	Unknown	Unknown	48	35	74.75		3.5	12	63;90		ON
UNK3 C2	Unknown 3	850	50	1			3		25.05936	Unknown	Unknown	48	47	74.75		3.5	12	63;90		ON
UNK4 A1	Unknown 4	850	50	1			3		25.05936	Unknown	Unknown	47	48	65		3.5	12	63;330		ON
UNK4 A2	Unknown 4	850	50	1			3		25.05936	Unknown	Unknown	36	42	65		3.5	12	63;330		ON
UNK4 B1	Unknown 4	850	50	1			3		25.05936	Unknown	Unknown	35	39	65		3.5	12	63;210		ON
UNK4 B2	Unknown 4	850	50	1			3		25.05936	Unknown	Unknown	45	35	65		3.5	12	63;210		ON
UNK4 C1	Unknown 4	850	50	1			3		25.05936	Unknown	Unknown	48	35	65		3.5	12	63;90		ON
UNK4 C2	Unknown 4	850	50	1			3		25.05936	Unknown	Unknown	48	47	65		3.5	12	63;90		ON

StartSymbolData

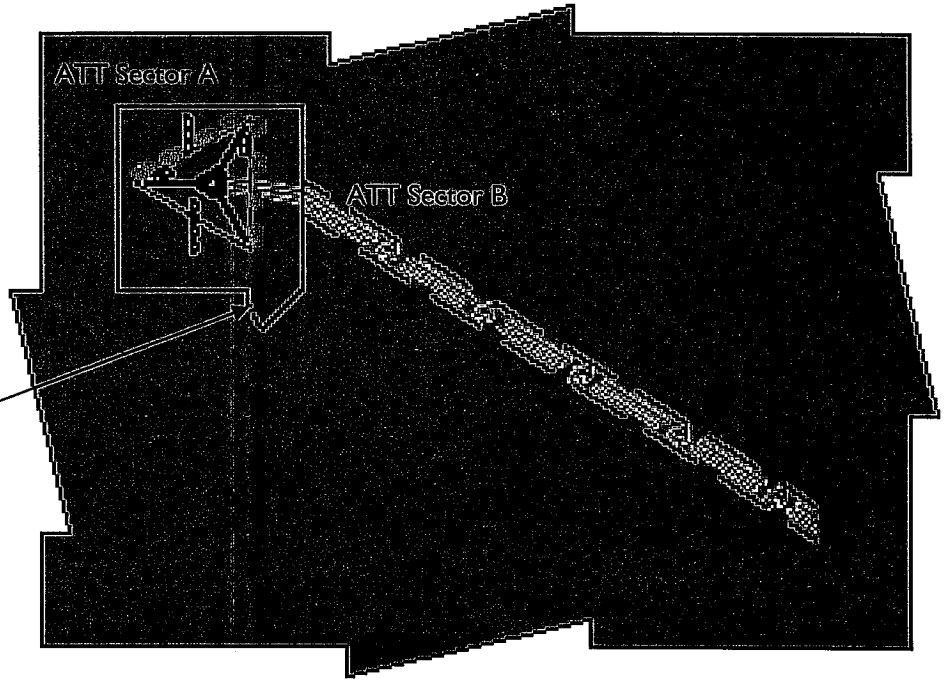
Sym	Map Marke	Roof X	Roof Y	Map Label notes for this table only)
Sym		5	35	AC Unit mple symbols
Sym		14	5	Roof Access
Sym		45	5	AC Unit
Sym		45	20	Ladder

Appendix D

Roofview ® Graphics

% of FCC Public Exposure Limit

- **Exposure Level ≥ 5,000**
- **500 < Exposure Level ≤ 5000**
- **100 < Exposure Level ≤ 500**
- **Exposure Level ≤ 100**



For clarity other carriers antennas are not shown.

AT&T Antennas

Roofview: Composite Exposure Levels
Facility Operator: AT&T Mobility
Site Name: Mills College
AT&T Site Number: CNU0045
USID Number: 12710
Report Date: 11-23-10

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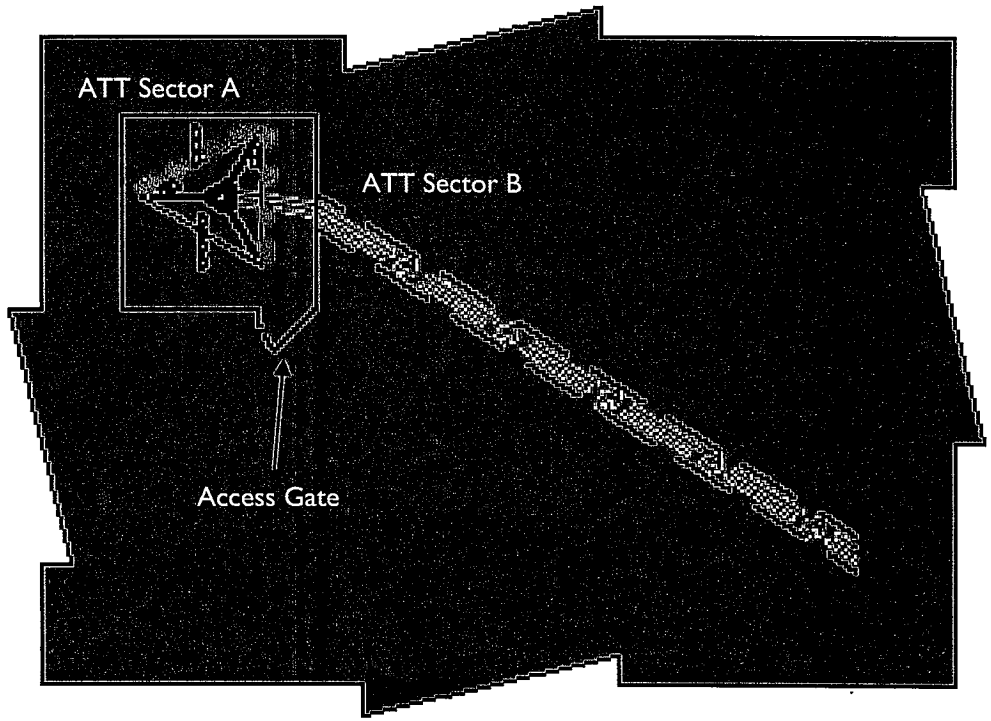
% of FCC Public Exposure Limit

Exposure Level >5

Exposure Level ≤ 5



For clarity other carriers antennas are not shown.

AT&T Antennas

Roofview: AT&T Exposure Levels

Facility Operator: AT&T Mobility

Site Name: Mills College

AT&T Site Number: CNU0045

USID Number: 12710

Report Date: 11-23-10

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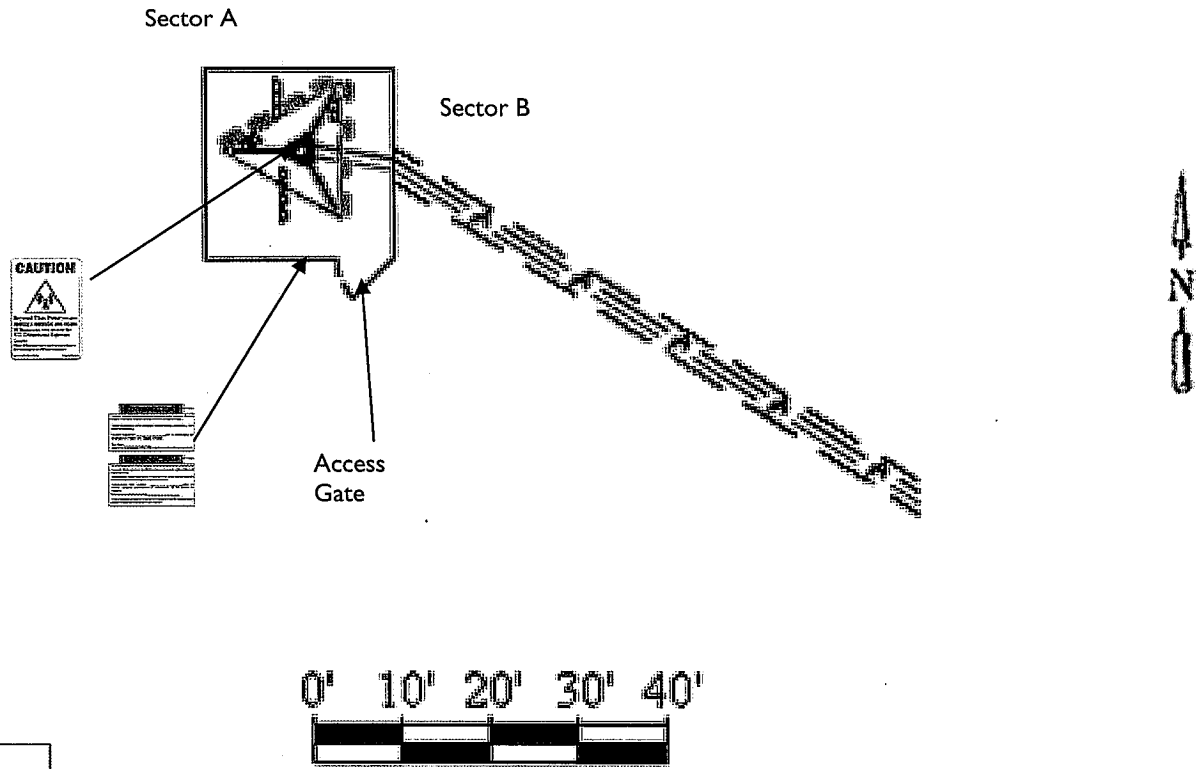
Appendix E

Compliance/Signage Plan

AT&T Antennas

For clarity other carriers antennas are not shown.



Sign Identification Legend	
	Denotes AT&T Informational Sign 1
	Denotes AT&T Informational Sign 2
	Denotes AT&T Informational Sign 3
	Denotes AT&T Informational Sign 4
	Denotes AT& T NOTICE Sign
	Denotes AT&T CAUTION Sign
	Denotes AT&T WARNING Sign

Compliance/Signage Plan
Facility Operator: AT&T Mobility
Site Name: Mills College
AT&T Site Number: CNU0045
USID Number: 12710
Report Date: 11-23-10

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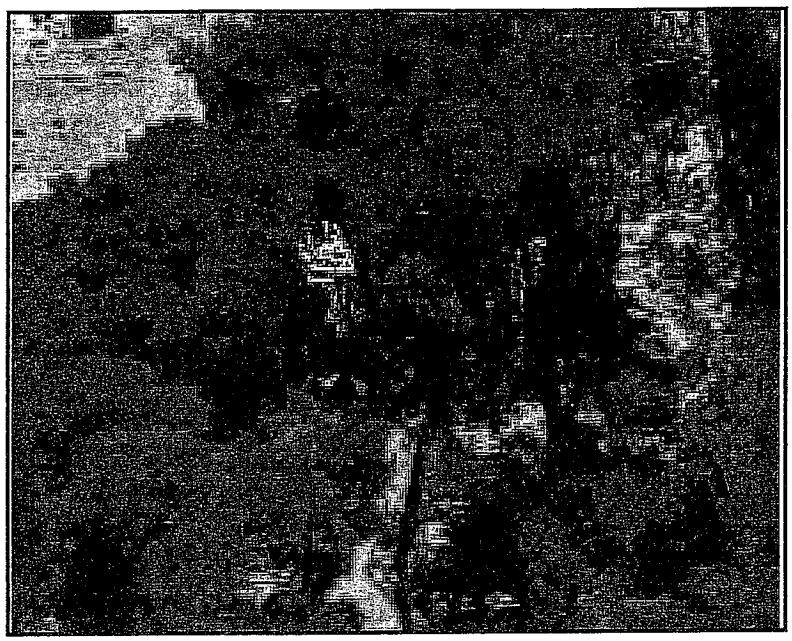
ATTACHMENT B

Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report



Prepared for:
AT&T Mobility, LLC
c/o The Lyle Company
3140 Gold Camp Drive Suite 30
Rancho Cordova, CA 95670

USID# 12710
Site No. CNU0045
Mills College
5000 Mac Arthur Blvd
Oakland, California 94650
Alameda County
37.781670; -122.175830 NAD83

EBI Project No. 62101799
November 23, 2010

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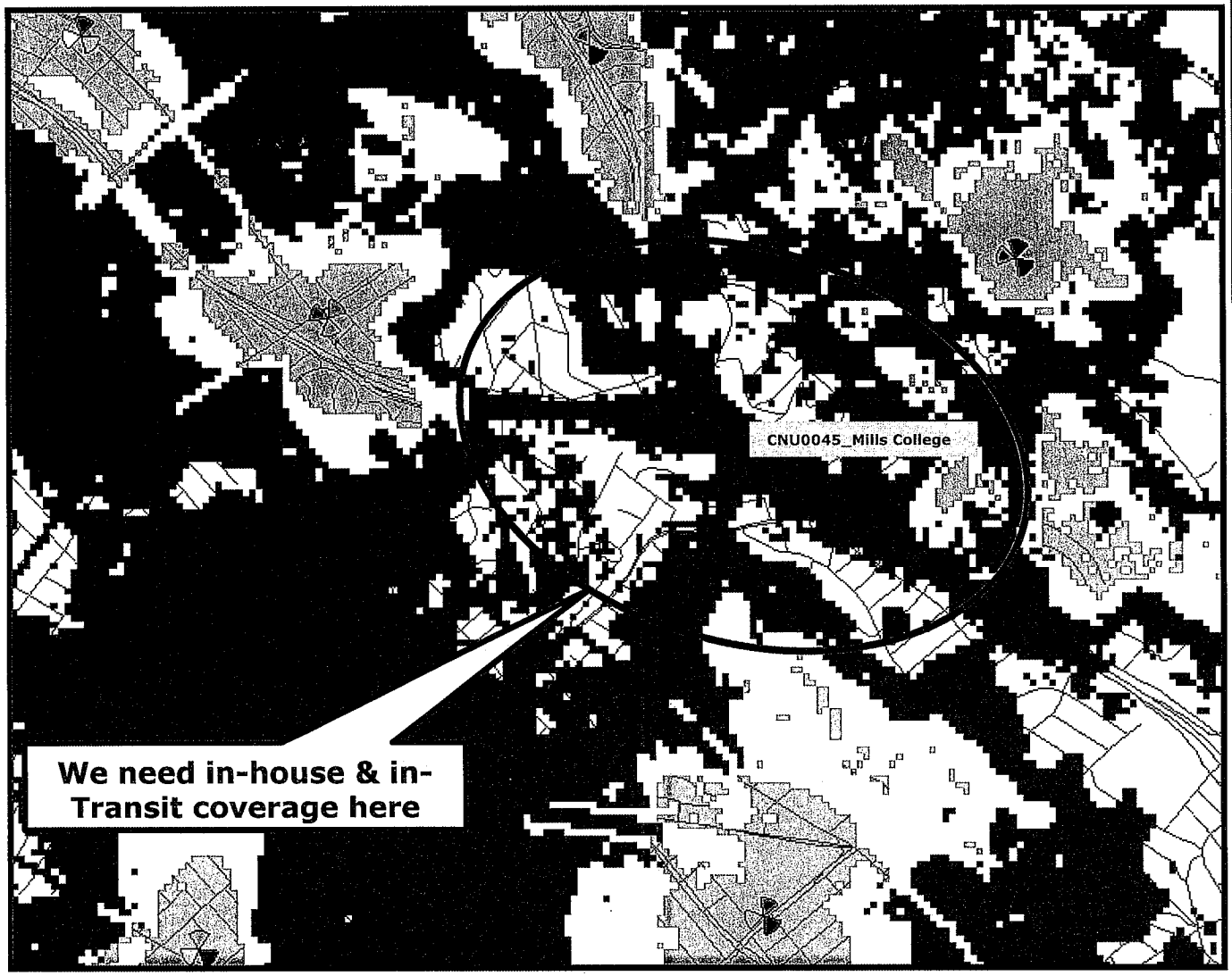
Creating Value for Your Business

ATTACHMENT C

Coverage Without The Proposed Site – CNU0045

February 3, 2011



Legend

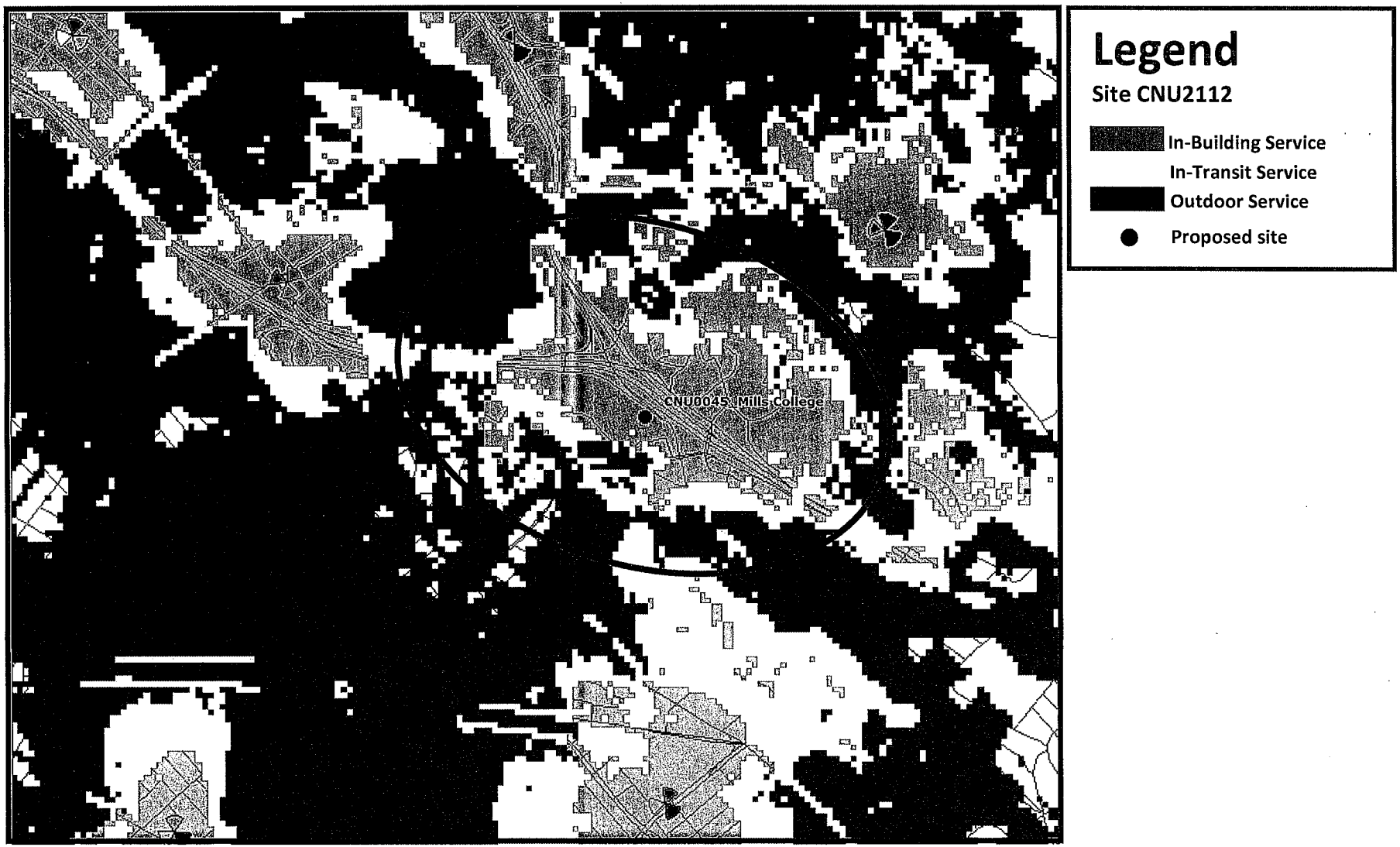
Site CNU2112

- In-Building Service
- In-Transit Service
- Outdoor Service
- Proposed site

at&t

Coverage With Proposed Site – CNU0045 at 98 ft

February 3, 2011



at&t

February 11, 2011

Michael Bradley
City of Oakland
250 Frank H Ogawa Plaza, Suite 2114
Oakland CA 94612

RE: Response to Comments CMDV10-345, 5000 MacArthur Blvd.
Site Name: Mills College CNU0045

Dear Mr. Bradley

We have received your comment letter in regards to CMDV10-345. The following are written response to your comments:

- Comment #1 Camouflaging – As your letter has indicated Clearwire was conditioned to paint the existing monopole, and all existing antennas, cables and related equipment a muted forest-green. ATT's position is that it's Clearwire's responsibly to meet it's conditions of approval. ATT will and can agree to paint its own antennas (new and proposed) however, the painting of other carriers antennas and the monopole will be the sole responsibility of Clearwire. We will be happy to assist you in contacting Clearwire to inform them that they did not complete their conditions of approval.
- Comment # 2 Site Design Alternatives Analysis – According to Section 17.128.120 Site Design Preferences our proposal falls into category E. Monopoles. As such, a site design alternative is required with written explanation why a building or structure mounted alternative was used. The reason why a building or structure mounted alternative was not used is because there is no existing building or structures other than the monopole being considered that meets the coverage requirements. Please see attached coverage maps with and without project.

If you have any further questions please call me at 916-801-6112.

Sincerely,

John Yu

John Yu
Lyle Company Authorized Agent for ATT Mobility