

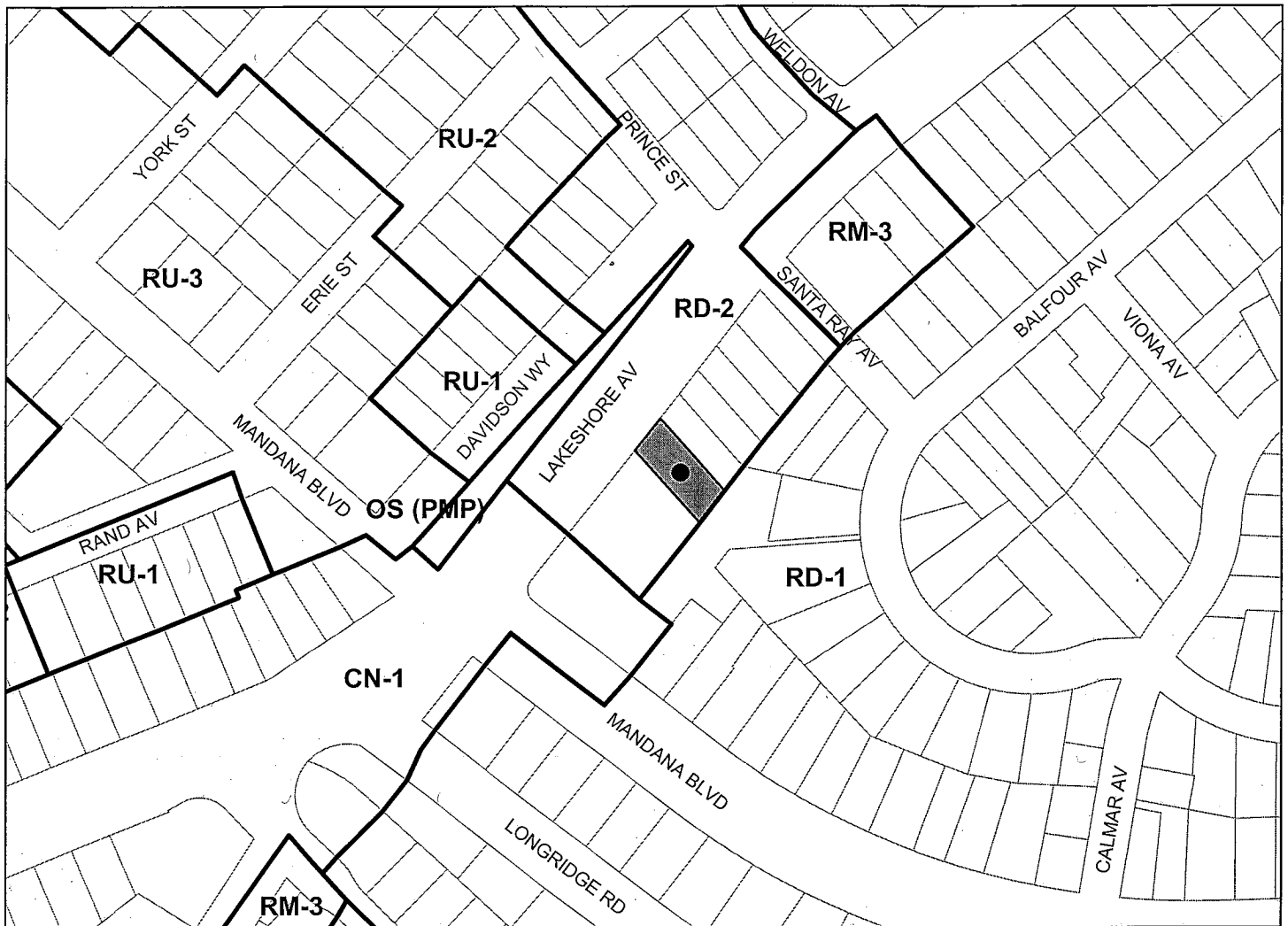
Location:	3518 Lake Shore Avenue
Assessor's Parcel Number:	011-0874-019-06
Proposal:	Request for a Major Conditional Use Permit and Design Review to co-locate a total of one (1) additional panel antenna, replace two existing panel antennas (total of three new antennas), enlarge existing equipment shelter to accommodate two additional cabinets to an existing unmanned macro telecommunications facility located on the 10 th Ave. Baptist Church.
Contact Person/	Jonathan Fong / Lyle Co.
Phone Number:	(925) 997-1312
Owner:	Tenth Avenue Baptist Church
Planning Permits Required:	Major Conditional Use Permit to co-locate to an existing unmanned wireless telecommunication macro facility within a residential zone and Regular Design Review to add a total of 3 new antennas and enlarge an existing equipment shelter. All new and existing antennas will be fully screened with appropriate RF screens matching the building.
General Plan:	Neighborhood Center Commercial
Zoning:	RD-2 Detached Unit Residential 2 Zone (Project submitted and deemed complete when property was under the R-50 Medium Density Residential Zone)
Environmental	Exempt, Section 15303 of the State CEQA Guidelines:
Determination:	Small Structures, Section 15301 existing facilities, Section 15183 of the State CEQA Guidelines: Projects consistent with a community plan, general plan or zoning
Historic Status:	Potentially Designated Historic Property (PDHP): Survey rating C2+
Service Delivery District:	3
City Council District:	II
Date Filed:	11/22/10
Staff Recommendation:	Approve with the attached conditions
Finality of Decision:	<i>Appealable to City Council within 10 days</i>
For Further Information:	Contact case planner Jose M. Herrera-Preza, Planner I at (510) 238-3808 or jherrera@oaklandnet.com

SUMMARY

This project would provide for the modification of an existing macro telecommunications facility consisting of co-locating one (1) additional panel antenna, replacing two (2) existing antennas and adding two equipment cabinets inside a dedicated ground floor equipment shelter. The site currently hosts a total of 8 antennas and the project will result in a total of 9 antennas. All existing and proposed antennas will be fully concealed from public view via new RF screen enclosure, which will be painted to match the building and will be vertically oriented to match the architectural style of the 10th Ave Baptist Church.

A Major Conditional Use Permit and Design Review is required for modifications to a Telecommunications Facility located within a residential zone. As detailed below, the project meets all of the required findings for approval. Therefore, staff recommends approval of the project subject to the attached conditions of approval.

CITY OF OAKLAND PLANNING COMMISSION



0 125 250 500 750 1,000 Feet



Case File: CMD10-303
Applicant: Jonathan Fong/ Lyle Co.
Address: 3534 Lake Shore Avenue
Zone: RD-2 (formerly R-50)

PROPERTY DESCRIPTION

The subject property is a 34,450 sq/ft lot located along Lake Shore Avenue. The site contains a 55' tall community assembly civic building serving the 10th Avenue Baptist Church. The subject property is surrounded by similarly zoned lots with the pre-dominate pattern of development being low density residential buildings with one commercial building at the corner of Mandana and Lake Shore Avenue. The site is located within a residential zone.

PROJECT DESCRIPTION

The proposal would involve co-locating an additional (1) panel antenna, replace two (2) existing antennas with two (2) new panel antennas in the same location and adding two equipment cabinets inside a ground floor equipment area. The proposed antennas will be mounted along the exterior sides of the building at three different locations. The new and existing antennas will be fully concealed inside new RF screens that will be incorporated into the building design by orienting the screens in a vertical manner consistent with the building architecture and will be painted and textured to match the exterior of the building. The new equipment cabinets will be located on the interior side of the building inside a dedicated and screened equipment area (See Attachment A).

GENERAL PLAN ANALYSIS

The subject property is located within the Neighborhood Center Mixed Use General Plan designation. The Neighborhood Center Mixed Use land use classification is intended to identify, create, maintain and enhance mixed use neighborhood commercial centers. The proposed unmanned wireless telecommunication facility will not adversely affect or detract from the neighborhood center mixed use and residential characteristics of the neighborhood. All existing and proposed antennas will be mounted inside RF friendly screens that will be textured and painted to match the existing building thus minimizing visual impacts. General Plan Policy N9.9 states that the City encourages that new development respects the architectural integrity of a building's original style.

ZONING ANALYSIS

The subject property, when the project was submitted and deemed complete, was located in the R-50 Medium Density Residential Zone; the current zoning for the property is RD-2 Detached Unit Residential 2 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 would provide for the co-location of wireless antennas on a previously approved unmanned wireless telecommunication facility. The antennas would be mounted along three existing sectors along the building walls inside new RF friendly screens that will be painted and textured to match the civic building. A major conditional use permit is required since the project is located in a residential zone. Staff finds that the proposed application meets the City of Oakland Telecommunication regulations (see Findings for Approval).

ENVIRONMENTAL DETERMINATION

The California Environmental Quality Act (CEQA) Guidelines categorically exempts specific types of projects from environmental review. Section 15303 of the State CEQA Guidelines exempts project involving construction or location of new, small facilities or structures. The proposal to co-locate a new

unmanned telecommunications facility containing 8 existing and 1 proposed antennas and add two equipment cabinets inside an existing equipment area at ground-level adjacent to the existing building and meets this description: the project would constitute a minor addition only. The project is therefore exempt from Environmental Review.

KEY ISSUES AND IMPACTS

In addition to ensuring this type of request meets required legal findings, proposed wireless telecommunications facilities must meet specific development standards, and site location and design preferences, and possesses a satisfactory radio frequency emissions report.

1. Conditional Use Permit

Section 17.16.070 of the City of Oakland Planning Code requires a conditional use permit to modify a Macro Telecommunication facility in the R-50 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 requires that 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 the co-location of a new unmanned wireless facility on an previously approved wireless facility, the proposed development meets the (A) co-located on an existing structure or facility with existing wireless antennas, therefore a site alternatives analysis is not required.

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 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:

The project meets design criteria (A) since all existing and proposed panel antennas will be mounted within RF friendly screens that will be painted and textured to match the building thus improving the existing facility and minimizing their impacts from the public view. Furthermore, to mitigate visual impacts the antennas will be mounted 40' above the pedestrian pathway on Lake Shore Avenue. The associated equipment cabinets would have no visual impact since the equipment cabinets would be fully screened and located inside a existing equipment area located along the interior side of the building and would be adequately concealed from the public right of way or immediate neighbors.

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.

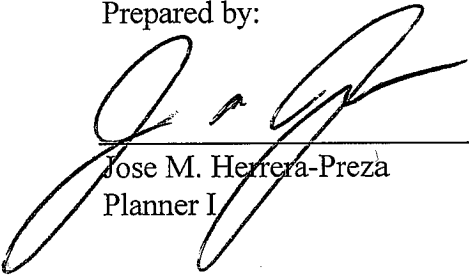
RF-EME emissions report, prepared by Herbert J. Stockinger, PE of EBI Consulting for AT&T indicates that the proposed project meets the radio frequency (RF) emissions standards as required by the regulatory agency. The report states that the proposed project will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not cause a significant impact on the environment. Additionally, staff recommends as a condition of approval that prior to the issuance of a final building permit, that the applicant submits certified RF emissions report stating that the facility is operating within acceptable thresholds established by the regulatory federal agency.

CONCLUSION

The proposed project has been designed to significantly reduce the visual impacts of co-locating a new panel antenna, replacing 2 existing antennas and fully concealing all antennas within RF friendly screens and screening all other associated ground level equipment. Therefore, staff recommends approval of the requested Major Conditional Use Permit and Regular Design Review to allow for the co-location of panel antennas on the 10th Ave. Baptist Church.

- RECOMMENDATIONS:**
1. Affirm staff's environmental determination.
 2. Approve the Major Conditional Use Permit and Regular Design Review subject to the attached Findings and Conditions.

Prepared by:



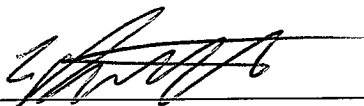
Jose M. Herrera-Preza
Planner I

Approved by:



SCOTT MILLER
Zoning Manager

Approved for forwarding to the
City Planning Commission:



ERIC ANGSTADT
Deputy Director
Community and Economic Development Agency

ATTACHMENTS:

- A. Project Plans & Photo Simulations

5. Equipment shelters or cabinets shall be consistent with the general character of the area.

The equipment cabinets will be co-located inside a dedicated equipment area that is fenced and screened, so will be consistent with the existing facility and general character of the facility.

6. For antennas attached to the roof, maintain a 1:1 ratio (example: ten feet high antenna requires ten feet setback from facade) for equipment setback; screen the antennas to match existing air conditioning units, stairs, or elevator towers; avoid placing roof mounted antennas in direct line with significant view corridors.

The existing and proposed antennas are wall mounted below the roof line and away from steeples and other roof mounted elements of the existing building.

7. 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 40' above any right of way or pedestrian path, access to antennas will be limited to approved personnel. The equipment cabinets are fenced, screened and incorporate anti-tampering measures to reduce access to equipment from the public.

Conditional Use Permit Criteria for Macro Facilities. In addition to the conditional use criteria listed in Chapter 17.134, the following specific additional criteria must be met before a conditional use permit can be granted:

1. The project must meet the special design review criteria listed in subsection B of this section.

Please see applicable design review criteria above.

2. The proposed project must not disrupt the overall community character. (Ord. 11904 § 5.01 (part), 1996: prior planning code § 8507)

The project will not disrupt the overall community character since the subject property will improve aesthetically through the screening of all antennas and co-locating on an existing non-residential facility in a residential zone.

FINDINGS FOR APPROVAL

Conditions of Approval

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, **CMD10303**, and the plans dated **November 11th, 2010** and submitted on **November 11th, 2010** 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 co-locate a total of one (1) additional panel antenna , replace two existing panel antennas (total of thee new antennas), enlarge existing equipment area to accommodate two additional cabinets to an existing unmanned macro telecommunications facility located on the 10th Ave. Baptist Church., under Oakland Planning Code 17.128**

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

CONDITIONS OF APPROVAL

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. 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 CONDITIONS:**12. 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.

13. 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.

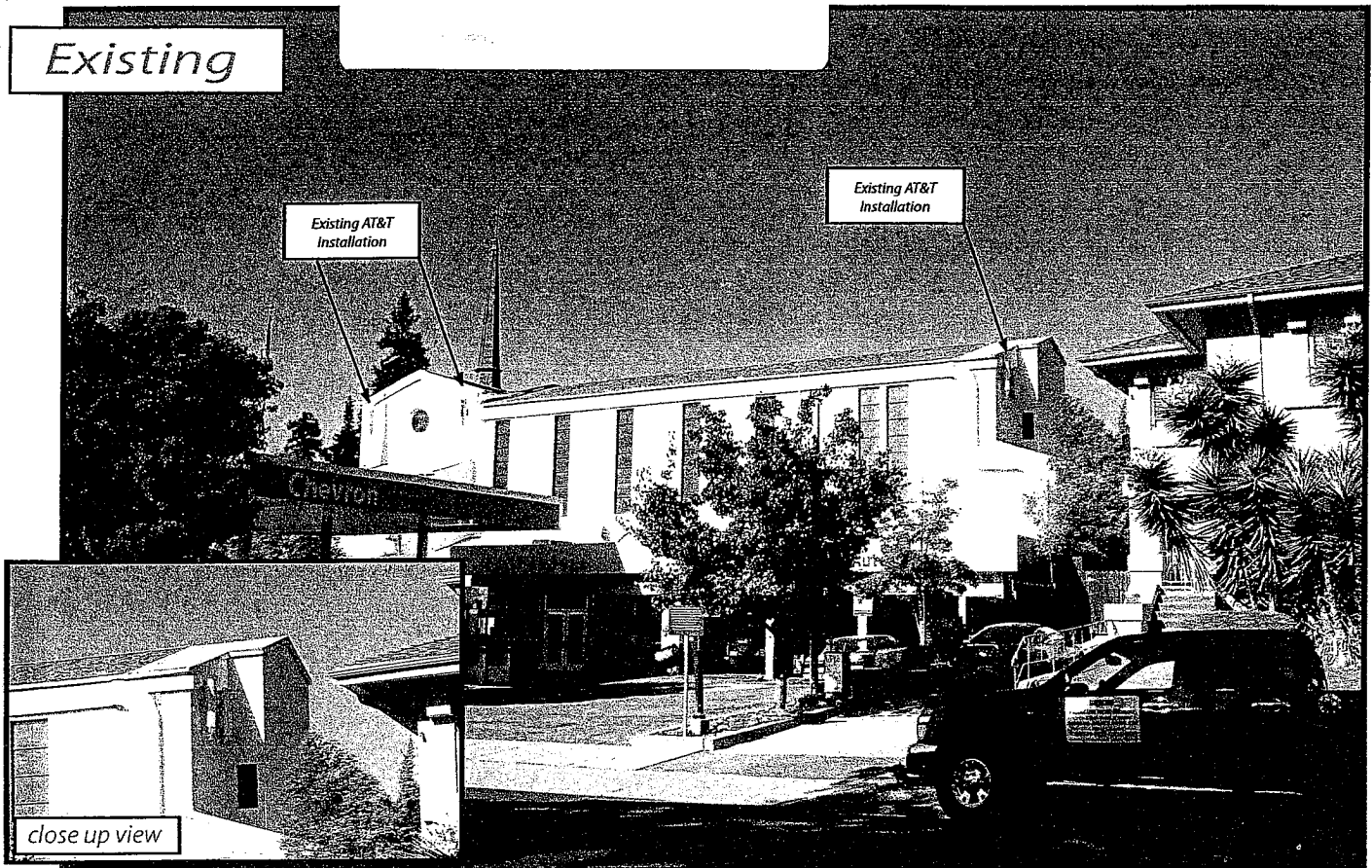
APPROVED BY:

City Planning Commission: _____ (May 4, 2011) _____ (vote)

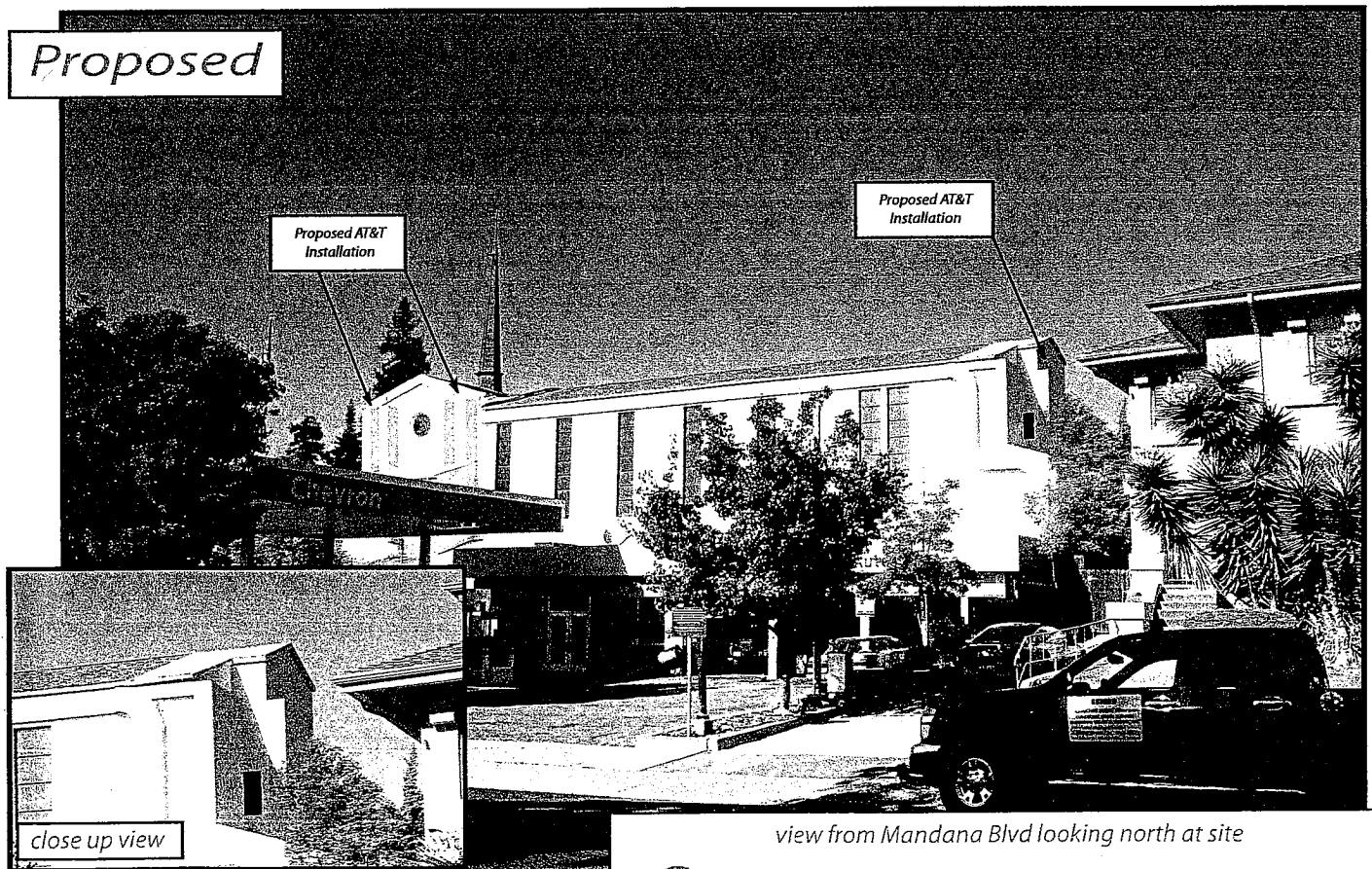
CONDITIONS OF APPROVAL

ATTACHMENT A

Existing



Proposed



view from Mandana Blvd looking north at site

AdvanceSite
ARCHITECTURAL SITE RENDERING
CONTACT: 415-221-2262 / 415-221-2267



AT&T Wireless

CNU4723 Mandana Blvd/Lakeshore
3534 Lakeshore Avenue, Oakland, CA

Existing

Existing AT&T
Installation

close up view

Proposed

Proposed AT&T
Installation

close up view

view from Lakeshore Avenue looking south at site

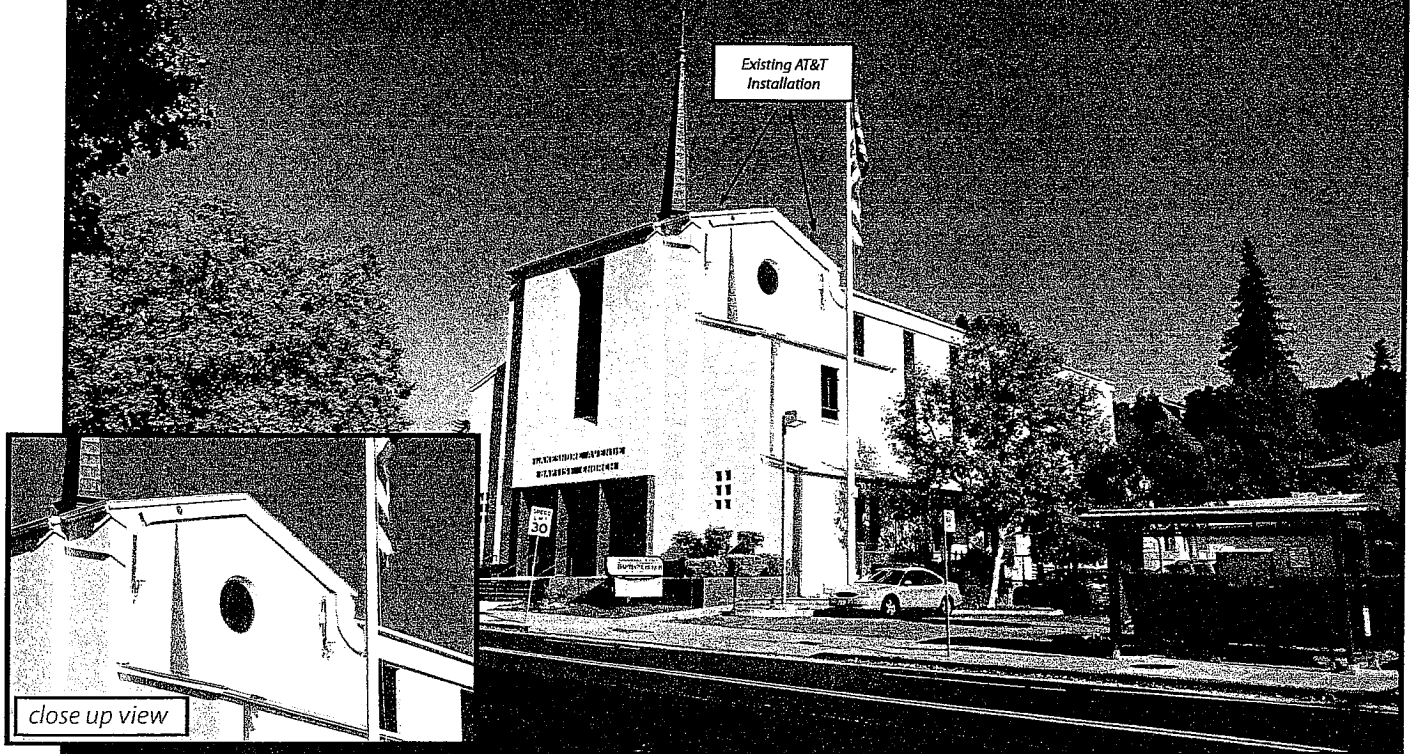


AT&T Wireless

CNU4723 Mandana Blvd/Lakeshore
3534 Lakeshore Avenue, Oakland, CA

AdvanceSite
THE WATERBURY GROUP
ARCHITECTURAL, ENGINEERING, INTERIOR DESIGN, ENVIRONMENTAL
CONTACT: 925-260-8367

Existing



Proposed



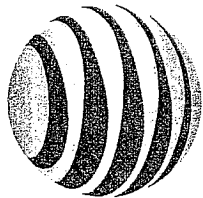
view from Lakeshore Avenue looking east at site



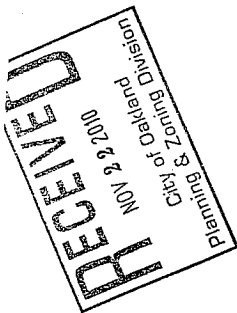
AT&T Wireless

CNU4723 Mandana Blvd/Lakeshore
3534 Lakeshore Avenue, Oakland, CA

AdvanceSite
CONTACT: 502-212-8507



at&t


USA NORTH
 OF CENTRAL AND SOUTH CALIFORNIA
 AND NEVADA

 1-800-222-2000
 AT LEAST TWO DAYS
 BEFORE 10:00 AM

CNU4723/CNU4888

LTE SITE: CCL04723

FA. #: 10102034 USID:47739

MANDANA BLVD/LAKESHORE

 3534 LAKESHORE AVE.
 OAKLAND, CA 94610

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSIDERED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

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

FACILITY IS UNARMED AND NOT FOR HUMAN OCCUPANCY. ALL WORK SHALL BE IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 1103B.

PROJECT DESCRIPTION

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

1. NEW 100 (2) OUTDOOR CABINETS INSIDE NEW EXTENDED EQUIPMENT CABINET.
2. NEW THREE (3) LTE ANTENNAS MOUNTED ON EXISTING BUILDING.
3. NEW SIX (6) RRU'S MOUNTED ON EXISTING BUILDING.
4. NEW ONE (1) 3" CONDUIT FROM NEW OUTDOOR CABINETS TO FIBER/POWER BOX (FC12-FC3-10E), AND NEW THREE (3) 3" CONDUITS FROM FIBER/POWER BOX (FC12-FC3-10E), AND NEW THREE (3) 3" CONDUITS FROM FIBER/POWER BOX (FC12-FC3-10E) TO SURGE SUPPRESSION BOXES (022-48-86-09E), ONE (1) PER SECTION.
5. NEW SIX (6) RETS PER ANTENNA CONFIGURATION.
6. NEW ONE (1) FIBER/POWER BOX (FC12-FC3-10E).
7. NEW THREE (3) SURGE SUPPRESSION BOXES (022-48-86-09E), ONE (1) PER SECTION.
8. NEW ONE (1) GPS ANTENNA MOUNTED ON NEW EQUIPMENT CABINET.

DRIVING DIRECTIONS

FROM AT&T OFFICE - PLEASANTON, CA

1. START ON ONTO SOUTHBOUND ON ROSEWOOD DR TOWARD OLD SANTA RITA RD.
2. TURN LEFT ONTO ONTO TASSAJARA RD.
3. STAY STRAIGHT TO GO ONTO TASSAJARA RD.
4. TAKE RIGHT ONTO TASSAJARA RD.
5. TAKE LEFT ONTO TASSAJARA RD.
6. TAKE RIGHT ONTO TASSAJARA RD.
7. TAKE LEFT ONTO TASSAJARA RD.
8. 3534 LAKESHORE AVE IS ON THE RIGHT.

PROJECT TEAM
ENGINEER:
 ERICSSON
 1092 COMMISSION BLVD.
 PLEASANTON, CA 94588
 CONTACT: PAUL P. PUELLI
 PHONE: (925) 598-2551
 EMAIL: paul@ericsson.net

APPLICANT/LESSEE:
 AT&T
 4330 ROSEWOOD DR.
 PLEASANTON, CA 94588
 CONTACT: PAUL P. PUELLI
 PHONE: (925) 598-2551
 EMAIL: paul@ericsson.net

SITE ACQUISITION MANAGER:

 ERICSSON
 6160 SUNDANCE WAY DR. SUITE 400
 PLEASANTON, CA 94588
 CONTACT: SORCERO RAMOS
 PHONE: (925) 737-5500
 EMAIL: rd@ericsson.com

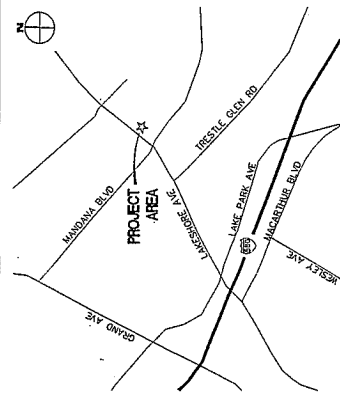
RF ENGINEER:

 AT&T
 4330 ROSEWOOD DR.
 PLEASANTON, CA 94588
 CONTACT: SORCERO RAMOS
 PHONE: (925) 737-5500
 EMAIL: rd@ericsson.com

CONSTRUCTION MANAGER:

 ERICSSON
 6160 SUNDANCE WAY DR. SUITE 400
 PLEASANTON, CA 94588
 CONTACT: SORCERO RAMOS
 PHONE: (925) 737-5500
 EMAIL: rd@ericsson.com

PROJECT INFORMATION
SITE ADDRESS:
 3534 LAKESHORE AVE
 OAKLAND, CA 94610
APN:
 011-874-017-1
PROPERTY OWNER:
 TERN AVE. BAPTIST CHURCH
LATITUDE:
 37.8181 N (NAD 83)
LONGITUDE:
 122.24155 W (NAD 83)
GROUND ELEVATION:
 427' ASL
HEIGHT OF STRUCTURE:
 55' ASL
ZONING:
 R-50
JURISDICTION:
 CITY OF OAKLAND
TELEPHONE:
 AT&T
POWER:
 PG&E

VICINITY MAP

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

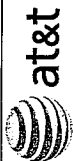
SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET, SITE INFORMATION AND VICINITY MAP	0
T-2	GENERAL NOTES, LEGEND AND ABBREVIATIONS	0
A-1	SITE PLAN	0
A-2	ROOF PLAN	0
A-3	EQUIPMENT LAYOUTS	0
A-4	ANTENNA PLANS	0
A-5	NORTHWEST ELEVATION	0
A-6	SOUTHWEST ELEVATION	0
A-7	EQUIPMENT AND CONSTRUCTION DETAILS	0
A-7	EQUIPMENT AND CONSTRUCTION DETAILS	0
E-1	EQUIPMENT POWER PLAN AND PANEL SCHEDULE	0
E-2	GROUNDING NOTES AND DETAILS	0

APPROVALS

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

**TITLE SHEET,
SITE INFORMATION
AND VICINITY MAP**

SHEET NUMBER:

T-1

 4330 ROSEWOOD DRIVE
 PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU4723/CNU4888

LTE SITE: CCL04723

FA. #: 10102034 USID: 47739

MANDANA BLVD/LAKESHORE
 3534 LAKESHORE AVE.
 OAKLAND, CA 94610

CURRENT ISSUE DATE:

11/05/10

ISSUED FOR:

100% CONSTRUCTION

DRAWING

REV. DATE: DESCRIPTION: BY:

A 09/20/10 50% CONSTRUCTION HG

0 11/05/10 100% CONSTRUCTION HG

0 11/05/10 100% CONSTRUCTION HG

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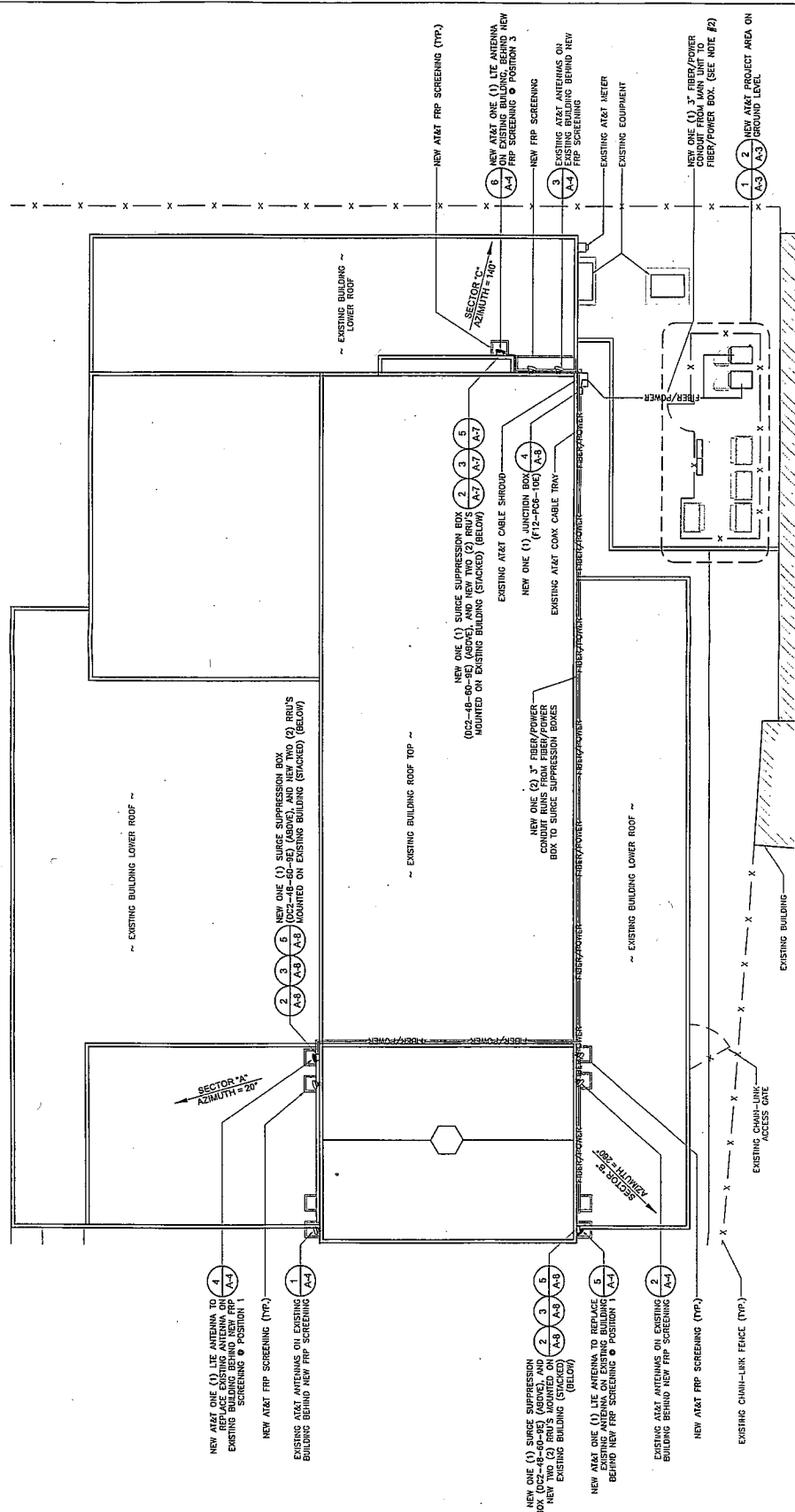
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SCALE NOTE:
DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY. CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

- NOTES:**
1. NEW AT&T CABLE TO BE CONNECTED TO EXISTING DC POWER, TELCO CABINET & GROUND BAR.
 2. NEW AT&T FIBER RUN TO BE MOUNTED ALONG SIDE OF EXISTING COAX CABLE RUN. GENERAL CONTRACTOR TO VERIFY EXACT ROUTE PRIOR TO CONSTRUCTION.

DISCLAIMER NOTE:
PDC HAS GENERATED A SITE PLAN WITHOUT USING A TOPOGRAPHIC SURVEY. PDC HAS CONDUCTED VISUAL INSPECTIONS OF THE PROPERTY AND HAS OBTAINED A TOPOGRAPHIC SURVEY FOR THE PROPERTY TO VERIFY THE MEASUREMENTS AND ACCURACY.



ROOF PLAN

SCALE
1/8" = 1'-0"



PROJECT INFORMATION:
CNU4723/CNU4888
LTE SITE: CQ04723
MANDANA BLDG/LAKESHORE
3534 LAKESHORE AVE
OAKLAND, CA 94610

CURRENT ISSUE DATE:
11/05/10

ISSUED FOR:
100% CONSTRUCTION
DRAWING

REV.	DATE	DESCRIPTION	BY
A	09/20/10	100% CONSTRUCTION	HC
0	11/05/10	100% CONSTRUCTION	HC

PLANS PREPARED BY:
PDC CORPORATION
1000 ROCKAWAY AVE.
LAKESHORE, CA 94550
TEL: (925) 508-5668

CONSULTANT:
L Y L E
3140 GOLD CAMP DR, SUITE 30
RANCHO CORDOVA, CA 95670

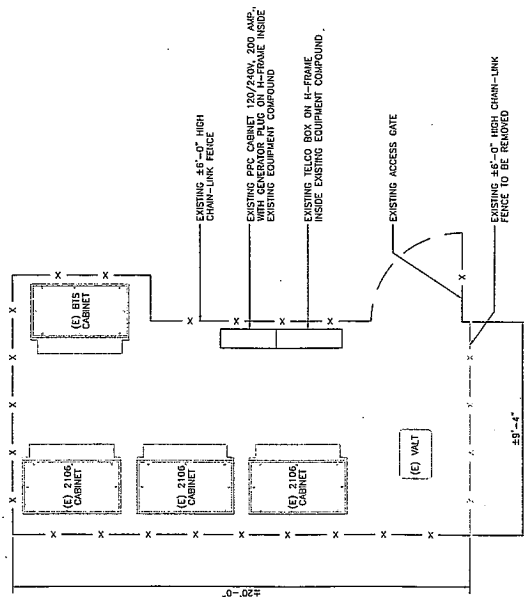
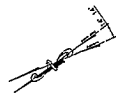
DRAWN BY:
HG
CHKD BY:
SUS
APV:

LICENSER:

SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
A-2

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



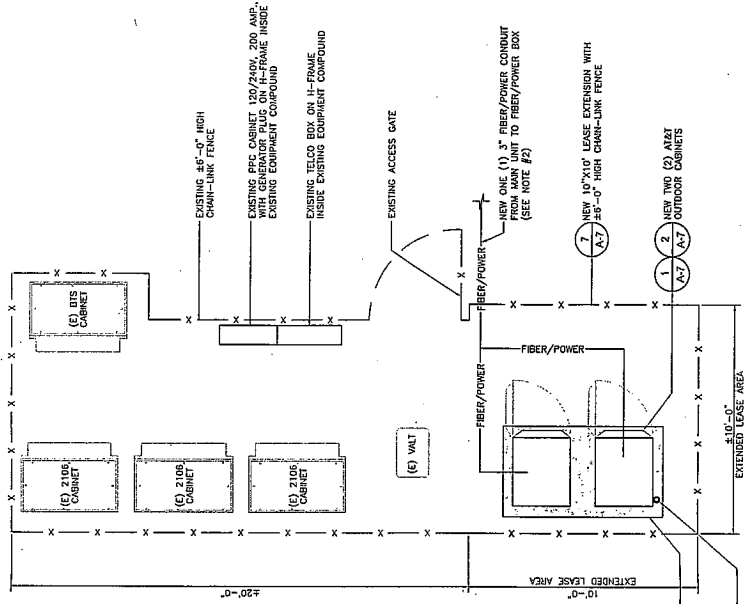
EXISTING ANTENNA PLAN

SCALE
3/8" = 1'-0"

3

NOTES:

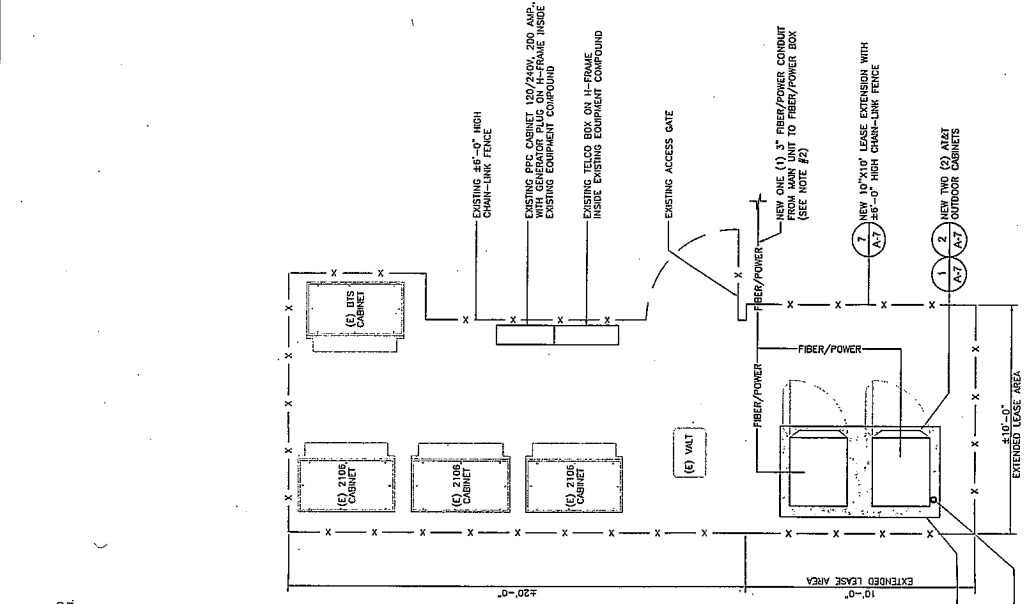
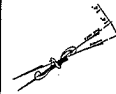
1. NEW 4X7 POWER, TELCO CABINET & EXISTING 4X7 POWER, TELCO CABINET & GROUND BAY
2. NEW 4X7 FIBER/POWER CABINETS (SEE GENERAL CONTRACTOR TO VERIFY EXACT ROUTE PRIOR TO CONSTRUCTION)



NEW ANTENNA PLAN

SCALE
3/8" = 1'-0"

4

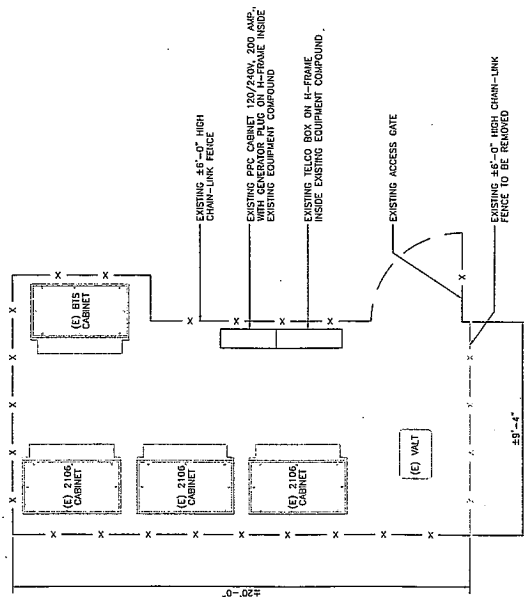
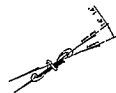


EXISTING ANTENNA PLAN

SCALE
3/8" = 1'-0"

3

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



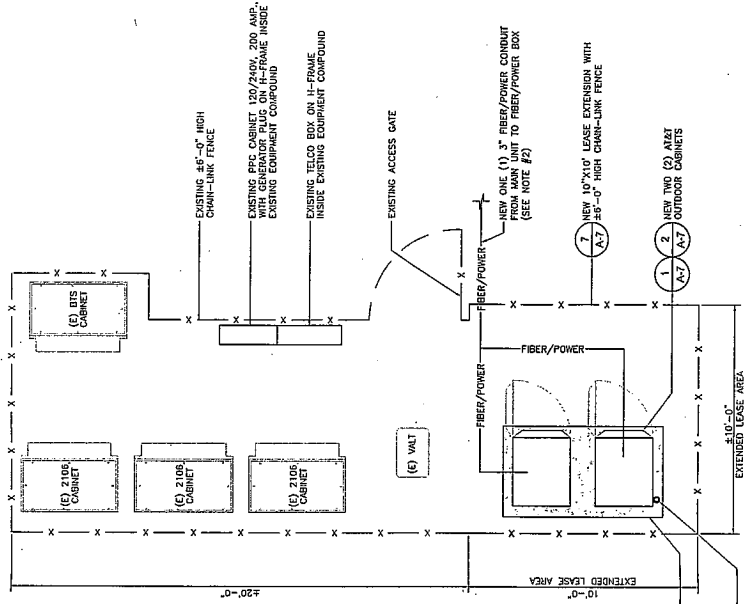
EXISTING ANTENNA PLAN

SCALE
3/8" = 1'-0"

3

NOTES:

1. NEW 4X7 POWER, TELCO CABINET & EXISTING 4X7 POWER, TELCO CABINET & GROUND BAY
2. NEW 4X7 FIBER/POWER CABINETS (SEE GENERAL CONTRACTOR TO VERIFY EXACT ROUTE PRIOR TO CONSTRUCTION)



NEW ANTENNA PLAN

SCALE
3/8" = 1'-0"

4

4330 INDEPENDENCE DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU4723/CNU4888
 LTE SITE: CNU4723
 FA #: 1010234 USD: 47739
MANDANA BLYD/LAKESHORE
 3534 LAKESHORE AVE.
 OAKLAND, CA 94610

ISSUED FOR:

11/05/10

100% CONSTRUCTION DRAWING

REV. DATE DESCRIPTION

REV.	DATE	DESCRIPTION
A	09/20/10	100% CONSTRUCTION DRAWING
0	11/05/10	100% CONSTRUCTION DRAWING

PLANS PREPARED BY:

PDG CORPORATION

1000 KALAMAZOO AVE.
 LANSING, MI 48206
 TEL: (313) 688-8888

CONSULTANT:

L L L E

3140 GOLD CAMP DR, SUITE 30
 RAYCOTE, CALIF. 94583

DRAWN BY: HC

CHKD BY: PP

APPV. BY: SAS

LICENSER:

SHEET TITLE:

ANTENNA PLANS

SHEET NUMBER:

A-4

SCALE NOTE:
 IF DIMENSIONS SHOWN ON PLAN
 DO NOT MATCH DIMENSIONS SHOWN
 FOR REDUCTION OR ENLARGEMENT
 FROM ORIGINAL PLANS.

1

EXISTING ANT. PLAN SEC. A

SCALE 3/8" = 1'-0"

EXISTING ONE (1) AT&T
 PANEL ANTENNAS TO
 REMAIN @ POSITION 2

SECTOR 1A
 AZIMUTH = 20°

SECTOR 1B
 AZIMUTH = 20°

EXISTING ONE (1) AT&T
 PANEL ANTENNA
 TO BE RELOCATED @ POSITION 1

2

EXISTING ANT. PLAN SEC. B

SCALE 3/8" = 1'-0"

EXISTING ONE (1) AT&T
 PANEL ANTENNA
 TO BE RELOCATED @ POSITION 1

SECTOR 1B
 AZIMUTH = 260°

SECTOR 1C
 AZIMUTH = 260°

EXISTING ONE (1) AT&T
 PANEL ANTENNA
 TO REMAIN @ POSITION 2

3

EXISTING ANT. PLAN SEC. C

SCALE 3/8" = 1'-0"

EXISTING TWO (2) AT&T
 PANEL ANTENNAS @
 POSITIONS 1 AND 2

SECTOR 1C
 AZIMUTH = 140°

SECTOR 1D
 AZIMUTH = 140°

4

NEW ANT. PLAN SECTOR A

SCALE 3/8" = 1'-0"

NEW ANTENNA PIPE MOUNT
 FOR FUTURE USE

NEW AT&T ONE (1) LIE
 ANTENNA ON EXISTING
 BUILDING @ POSITION 1

EXISTING TWO (2) AT&T
 PANEL ANTENNAS TO REMAIN
 @ POSITIONS 2 AND 3

SECTOR 1A
 AZIMUTH = 20°

SECTOR 1B
 AZIMUTH = 20°

NEW AT&T FRP
 SCREENING (TYP.)

5

NEW ANT. PLAN SECTOR B

SCALE 3/8" = 1'-0"

NEW ANTENNA PIPE MOUNT
 FOR FUTURE USE

NEW AT&T ONE (1) SURGE SUPPRESSION
 BOX (DC2-46-60-98) (ABOVE) AND NEW
 AND NEW TWO (2) RRU'S MAINTAINED ON EXISTING
 BUILDING (STACKED) (BELOW)

SECTOR 1B
 AZIMUTH = 260°

SECTOR 1C
 AZIMUTH = 260°

EXISTING TWO (2) AT&T PANEL ANTENNAS
 TO REMAIN @ POSITIONS 2 AND 3

SECTOR 1D
 AZIMUTH = 260°

NEW AT&T FRP SCREENING (TYP.)

6

NEW ANT. PLAN SECTOR C

SCALE 3/8" = 1'-0"

NEW ONE (1) SURGE SUPPRESSION
 BOX (DC2-46-60-98) (ABOVE) AND NEW
 AND NEW TWO (2) RRU'S MAINTAINED ON EXISTING
 BUILDING (STACKED) (BELOW)

SECTOR 1C
 AZIMUTH = 140°

SECTOR 1D
 AZIMUTH = 140°

EXISTING TWO (2) AT&T PANEL
 ANTENNAS TO REMAIN @
 POSITIONS 1 AND 2

SECTOR 1E
 AZIMUTH = 140°

SECTOR 1F
 AZIMUTH = 140°

NEW AT&T FRP SCREENING

NEW AT&T FRP SCREENING

NOTES:

1. ANTENNA CONFIGURATIONS BASED ON RFDS
 REVISION 8.2 DATED 05-08-2010

2. NEW ANTENNA DIMENSIONS: (52" x 12" x 8")

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



4130 ROSEWOOD DRIVE
FLEMINGTON, CA 94558

PROJECT INFORMATION:

CNU4723/CNU4888
 LTE SITE CCL04723
 FA. #: 10102034 USID: 47739
MANDANA BLVD/LAKESHORE
 3534 LAKESHORE AVE.
 OAKLAND, CA 94610

CURRENT ISSUE DATE: 11/05/10

ISSUED FOR: 100% CONSTRUCTION DRAWING

REV. DATE DESCRIPTION BY

A	09/20/10	50% CONSTRUCTION DRAWING	HG
0	11/05/10	100% CONSTRUCTION DRAWING	HG

PLANS PREPARED BY:



PDC CORPORATION
 1022 COMMERCE BLVD.
 SUITE 200
 TEL: 925 509-2888

CONSULTANT:



L Y L E
 3140 GOLD CAMP DR, SUITE 30
 RANCHO CORDOVA, CA 95670
 TEL: 925 509-2888

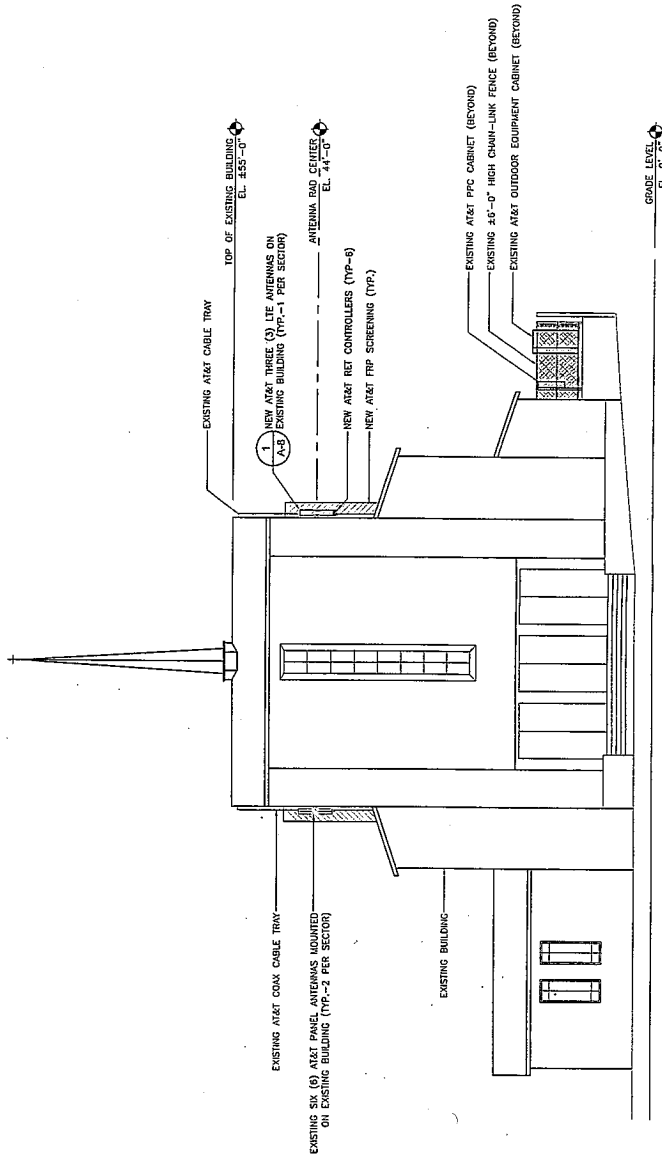
DRAWN BY: CHK. BY: APP. BY:

HG PP SAS

LICENSER:

SHEET TITLE: NORTHWEST ELEVATION

SHEET NUMBER: A-5



0' 1" 2" 4" 8" 16'

SCALE: 1/8" = 1'-0"

1

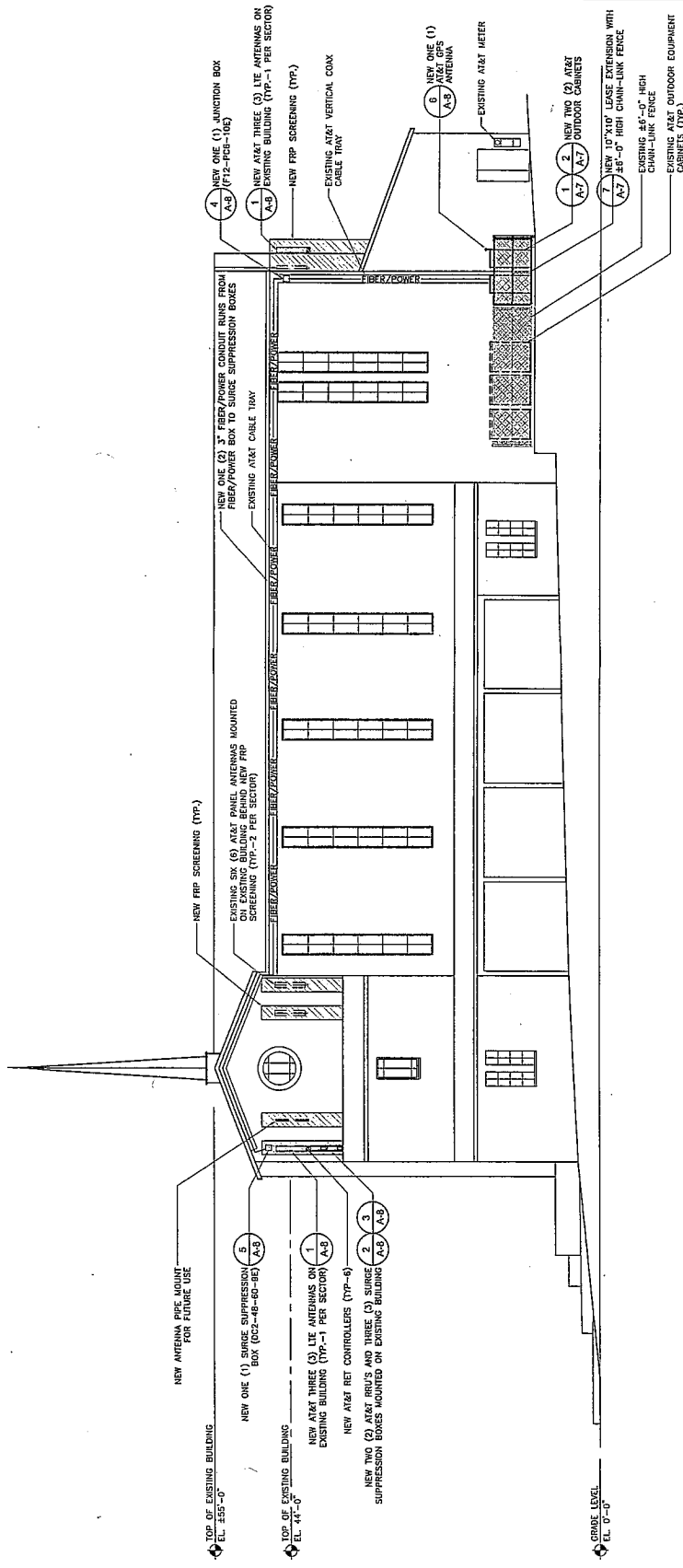
NORTHWEST ELEVATION

SCALE NOTE

IF DIMENSIONS SHOWN ON PLAN DO NOT
AGREE WITH DIMENSIONS SHOWN ON ELEVATION
OR ENLARGEMENT FROM ORIGINAL PLANS.

NOTES

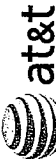
1. NEW AT&T CABINET TO BE CONNECTED TO EXISTING
DC POWER, TELCO CABINET & GROUND BAR.
2. NEW AT&T FIBER RUN TO BE MOUNTED ALONG SIDE
OF EXISTING COAX CABLE RUN. (GENERAL
CONTRACTOR TO VERIFY EXACT ROUTE PRIOR TO
CONSTRUCTION)



SOUTHWEST ELEVATION

SCALE
1" = 1'-0"

2



PROJECT INFORMATION:

CNU4723/CNU4888

LTE SITE: CNU4723

FA #: 10102034 USD: 47739

MANDANA BLVD/LAKESHORE

3534 LAKESHORE AVE.

OAKLAND, CA 94610

CURRENT ISSUE DATE:

11/05/10

ISSUED FOR:

100% CONSTRUCTION

DRAWING

REV. DATE: DESCRIPTION: BY:

A 09/20/10 100% CONSTRUCTION HC

D 11/05/10 100% CONSTRUCTION HC

DRAWING

PLANS PREPARED BY:

PDC CORPORATION

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L Y L E

3140 GOLD CAMP DR, SUITE 30

PACIFIC COAST, CA 95570

TEL: (925) 694-3885

CONSULTANT:

DRAWN BY: CHK: APP:

HC PP SAS

LICENSER:

SHEET TITLE:

SOUTHWEST ELEVATIONS

SHEET NUMBER:

A-6



4330 ROSEWOOD DRIVE
PLEASANTON, CA 94588

PROJECT INFORMATION:

CNU4723/CNU4888
LITE SITE: CNU4723
FA #: 1010234 USD: 47738
MANDANA BLVD/LAKESHORE
3534 LAKESHORE AVE.
OAKLAND, CA 94610

CURRENT ISSUE DATE:

11/05/10

ISSUED FOR:

100% CONSTRUCTION

DRAWING

REV. DATE DESCRIPTION BY

A 09/29/10 BOX CONSTRUCTION HE

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0 11/05/10 DRAWING HE

PLANS PREPARED BY:

FDC CORPORATION

1062 CONCOMAN BLVD.
SAN JOSE, CA 95128
TEL: 408.950.3888

CONSULTANT:

L H L E

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

DRAWN BY: CHK: APV:

HC PP SAS

LICENSER:

SHEET TITLE:

EQUIPMENT AND CONSTRUCTION DETAILS

SHEET NUMBER:

A-8

FC12-PC6-10E

General Fiber Optic & DC Power Connection

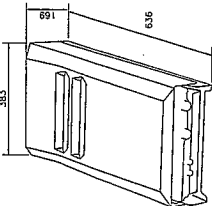
FEATURES

- Provides a single point connection for all fiber optic and DC power management for DC power and fiber optic connections.
- Mounts on a standard 19" rack.
- Designed for indoor installation in a rack.
- Supports up to 48 fiber optic connections.
- Supports up to 48 DC power connections.
- Connects 12 pairs of fiber and 6 DC power.
- Provides design flexibility to meet a wide range of requirements.
- Does not require a separate DC power source.
- Does not require a separate fiber optic source.
- Does not require a separate DC power source.
- Does not require a separate fiber optic source.

WEIGHT AND COLOR

DESCRIPTION	VALUE
WEIGHT	20 kg
COLOR	GRAY
20 kg = 44.09 POUNDS	

352 mm = 13.86 INCHES
233 mm = 9.17 INCHES
189 mm = 7.44 INCHES



UNIT MEASUREMENT mm

FC12-PC6-10E SPECS

RRU SPECS

RRU MOUNTING DETAIL

ANTENNA MOUNT

DC2-48-60-0-9E

DC Surge Suppression Solution

The DC2-48-60-0-9E surge protector is designed to protect DC power lines from lightning and surge damage.

The DC2-48-60-0-9E provides 48 VDC in-line protection for DC power lines.

The DC2-48-60-0-9E provides 60 A @ 800 VDC protection for DC power lines.

The DC2-48-60-0-9E provides 9E protection for DC power lines.

The DC2-48-60-0-9E provides 0-9E protection for DC power lines.

The DC2-48-60-0-9E provides 0-9E protection for DC power lines.

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The DC2-48-60-0-9E provides 0-9E protection for DC power lines.

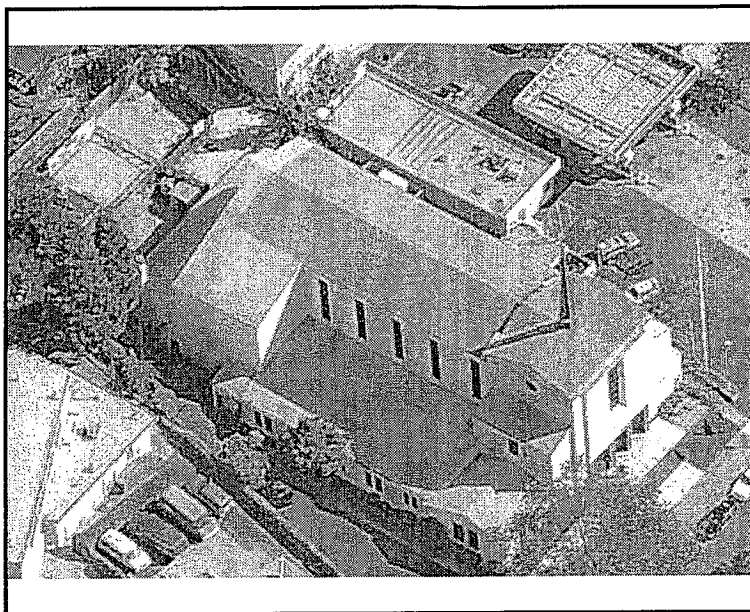
The DC2-48-60-0-9E provides 0-9E protection for DC power lines.

The DC2-48-60-0-9E provides 0-9E protection for DC power lines.

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# 47739
Site No. CNU4723
Mandana Blvd - Lakeshore
3534 Lakeshore Avenue
Oakland, California 94610
Alameda County
37.811810; -122.241560 NAD83

EBI Project No. 62101517
October 21, 2010

TABLE OF CONTENTS

EXECUTIVE SUMMARY.....	1
1.0 SITE DESCRIPTION	3
2.0 FEDERAL COMMUNICATIONS COMMISSION (FCC) REQUIREMENTS	3
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4.0 WORST-CASE PREDICTIVE MODELING.....	5
5.0 RECOMMENDED SIGNAGE/COMPLIANCE PLAN	7
6.0 SUMMARY AND CONCLUSIONS.....	8
7.0 LIMITATIONS	8

APPENDICES

Appendix A	Personnel Certifications
Appendix B	Antenna Inventory
Appendix C	RoofView® Export File
Appendix D	RoofView® Graphic
Appendix E	Compliance/Signage Plan

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 CNU4723 located at 3534 Lakeshore Avenue 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.

Per AT&T's corporate policy, the FCC's general population limits are applicable to all rooftop sites, regardless of the level of access control. As presented in the sections below, based on worst-case predictive modeling, the worst-case emitted power density may exceed the FCC's general public limit within approximately 4 feet of AT&T's proposed antennas at the lower roof level. Modeling also indicates that the worst-case emitted power density will not exceed the FCC's occupational limit in front of AT&T's proposed antennas at the lower roof level.

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 designated access points to the rooftop.
- Blue NOTICE sign posted at designated access points to the rooftop.
- Green INFO 4 signs posted on the side of the panel antennas.

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. Before being elevated above ground level at this site, workers should be provided with a copy of this report and signify their understanding of it. 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 nine (9) wireless telecommunication antennas on a rooftop in Oakland, California. There are three Sectors (A, B, and C) proposed at the site, with three (3) antennas that may be installed per sector. In each sector, there is proposed to be one (1) GSM antenna transmitting in the 850 MHz and the 1900 MHz frequency ranges, one UMTS antenna transmitting in the 850 MHz and 1900 MHz frequency ranges, and one LTE antenna transmitting in the 700 MHz and 1710 MHz frequency ranges. The Sector A antennas will be oriented 20° from true north. The Sector B antennas will be oriented 260° from true north. The Sector C antennas will be oriented 140° from true north. The bottoms of the antennas will be from 41.7 to 41.84 feet above ground level. Two of the antennas in Sector A will be transmitting over a lower roof. The bottoms of these antennas will be between 5.2 and 5.34 feet above this rooftop. Two of the antennas in Sector B will be transmitting over a lower roof. The bottoms of these antennas will be 5.34 feet above this rooftop. All of the antennas in Sector C will be transmitting over a lower roof. The bottoms of these antennas will be between 7.7 and 7.84 feet above this rooftop. Appendix B presents an antenna inventory for the site..

Access to this site is unknown and as such, the general public is assumed to be able to access the rooftop.

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.

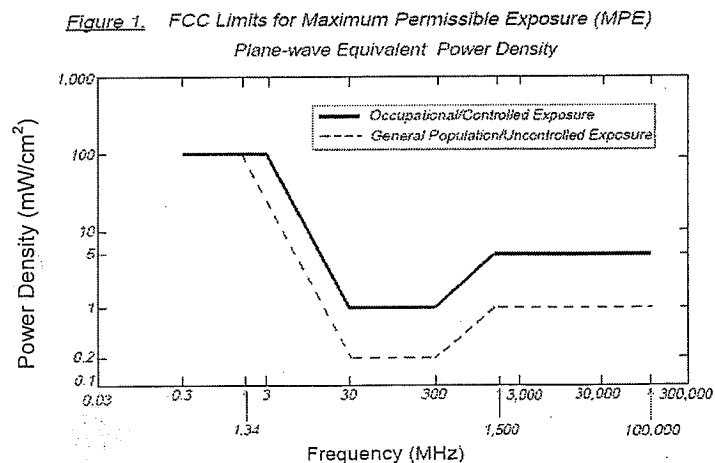
Table I and Figure I (below), which are included within the FCC's OET Bulletin 65, summarize the MPE limits for RF emissions. These limits are designed to provide a substantial margin of safety. They vary by frequency to take into account the different types of equipment that may be in operation at a 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 (cm²). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm²) 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/cm² and an uncontrolled MPE of 0.57 mW/cm². These limits are considered protective of these populations.

Table I: 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



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 rooftop and ground-level and nearby roof-tops 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 no other wireless carriers with equipment installed at this site.

Per AT&T's corporate policy, the FCC's general population limits are applicable to all rooftop sites, regardless of the level of access control. Based on worst-case predictive modeling, the worst-case emitted power density may exceed the FCC's general public limit within approximately 4 feet of AT&T's Sector A GSM antenna on a lower roof level, within 3 feet of AT&T's Sector A LTE antenna and Sector B GSM antenna, and within 2 feet of AT&T's Sector B UMTS antenna, Sector C GSM antenna and LTE antenna on a lower roof level. Modeling also indicates that the worst-case emitted power density will not exceed the FCC's occupational limit in front of AT&T's antennas on any roof or ground level. At the nearest walking/working surfaces to the AT&T antennas, the maximum power density generated by the AT&T antennas is approximately 298.90 percent of the FCC's general public limit (59.78 percent of the FCC's occupational limit).

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 designated access points to the rooftop.
- Blue NOTICE sign posted at designated access points to the rooftop.
- Green INFO 4 signs posted on the side of the panel antennas.

No barriers are required for this site. Barriers may consist of rope, chain, fencing, or painted/taped stripes. Before being elevated above ground level at this site, workers should be provided with a copy of this report to signify their understanding of it. 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 3534 Lakeshore Avenue in Oakland, California.

EBI has conducted theoretical modeling to estimate the worst-case power density from AT&T 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, the worst-case emitted power density may exceed the FCC's general public limit within approximately 4 feet of AT&T's proposed antennas at the lower roof level. Modeling also indicates that the worst-case emitted power density will not exceed the FCC's occupational limit in front of AT&T's proposed antennas at the lower roof level.

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.

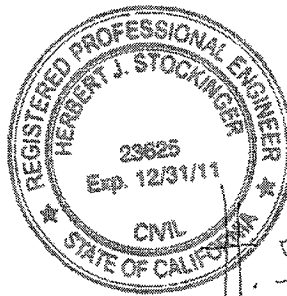
Appendix A

Certifications

RF-EME Compliance Report
EBI Project No. 62101517

USID No. 47739 Site No. CNU4723
3534 Lakeshore Avenue, Oakland, California

Reviewed and Approved by:



Herbert J. Stockinger
10-21-2010

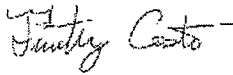
Herbert J. Stockinger, PE
Senior Engineer

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	LTE 700	314	12.35	Kathrein 800-10764K	20	4.6	68	52	100	5.2
ATT A1	AT&T	Panel	LTE 1710	599	15.15	Kathrein 800-10764K	20	4.6	61	52	100	5.2
ATT A2	AT&T	Panel	GSM 850	500	11.85	Kathrein 742-264	20	4.32	68	48	100	5.34
ATT A2	AT&T	Panel	GSM 1900	500	14.65	Kathrein 742-264	20	4.32	65	48	100	5.34
ATT A3	AT&T	Panel	UMTS 850	250	11.85	Kathrein 742-264	20	4.32	68	27	100	41.84
ATT A3	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	20	4.32	65	27	100	41.84
ATT A3	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	20	4.32	65	27	100	41.84
ATT B1	AT&T	Panel	LTE 700	314	12.35	Kathrein 800-10764K	260	4.6	68	26	60	41.7
ATT B1	AT&T	Panel	LTE 1710	599	15.15	Kathrein 800-10764K	260	4.6	61	26	60	41.7
ATT B2	AT&T	Panel	GSM 850	500	11.85	Kathrein 742-264	260	4.32	68	49	60	5.34
ATT B2	AT&T	Panel	GSM 1900	500	14.65	Kathrein 742-264	260	4.32	65	49	60	5.34
ATT B3	AT&T	Panel	UMTS 850	250	11.85	Kathrein 742-264	260	4.32	68	53	60	5.34
ATT B3	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	260	4.32	65	53	60	5.34

Antenna Number	Operator	Antenna Type	TX Freq (MHz)	ERP (Watts)	Gain (dBd)	Model	Azimuth (deg.)	Length (ft)	Horizontal Beamwidth (Deg.)	X	Y	Z
ATT B3	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	260	4.32	65	53	60	5.34
ATT C1	AT&T	Panel	GSM 850	500	11.85	Kathrein 742-264	140	4.32	68	155	64	7.84
ATT C1	AT&T	Panel	GSM 1900	500	14.65	Kathrein 742-264	140	4.32	65	155	64	7.84
ATT C2	AT&T	Panel	UMTS 850	250	11.85	Kathrein 742-264	140	4.32	68	155	68	7.84
ATT C2	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	140	4.32	65	155	68	7.84
ATT C2	AT&T	Panel	UMTS 1900	250	14.65	Kathrein 742-264	140	4.32	65	155	68	7.84
ATT C3	AT&T	Panel	LTE 700	314	12.35	Kathrein 800-10764K	140	4.6	68	157	72	7.7
ATT C3	AT&T	Panel	LTE 1710	599	15.15	Kathrein 800-10764K	140	4.6	61	157	72	7.7

I. 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 10/15/2010 at 10:17:36 AM.

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 Number of envelope
180 180 190 190 20 20 1 \$AES21:\$H \$AES21:\$H \$B\$200

StartSettingsData

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

StartAntennaData

ID Name Name Freq (MHz) Trans Power Count Len Coax Type Coax Type Loss Input Power Calc Power Mfg Model X (ft) Y (ft) Z (ft) Type (ft) Aperi (ft) dBd Gain BWDth Pt Dir Uptime Profile ON flag

ID	Name	Freq	Power	Count	Len	Type	Loss	Power	Power	Mfg	Model	X	Y	Z	Type	Aper	Gain	Pt Dir	Profile	flag
ATT A1	LTE	700	30	1	1					30 Kathrein	800-10764	52	100	5.2		4.6	12.35	68:345	ON	ON
ATT A1	LTE	1710	30	1	1					30 Kathrein	800-10764	52	100	5.2		4.6	15.15	61:345	ON	ON
ATT A2	GSM	850	13.39	4	4					53.56 Kathrein	742-264	48	100	5.34		4.32	11.85	68:345	ON	ON
ATT A2	GSM	1900	7.03	4	4					28.12 Kathrein	742-264	48	100	5.34		4.32	14.65	65:345	ON	ON
ATT A3	UMTS	850	26.78	1	1					26.78 Kathrein	742-264	27	100	41.84		4.32	11.85	68:345	ON	ON
ATT A3	UMTS	1900	14.05	1	1					14.05 Kathrein	742-264	27	100	41.84		4.32	14.65	65:345	ON	ON
ATT A3	UMTS	1900	14.05	1	1					14.05 Kathrein	742-264	27	100	41.84		4.32	14.65	65:345	ON	ON
ATT B1	LTE	700	30	1	1					30 Kathrein	800-10764	26	60	41.7		4.6	12.35	68:225	ON	ON
ATT B1	LTE	1710	30	1	1					30 Kathrein	800-10764	26	60	41.7		4.6	15.15	61:225	ON	ON
ATT B2	GSM	850	13.39	4	4					53.56 Kathrein	742-264	49	60	5.34		4.32	11.85	68:225	ON	ON
ATT B2	GSM	1900	7.03	4	4					28.12 Kathrein	742-264	49	60	5.34		4.32	14.65	65:225	ON	ON
ATT B3	UMTS	850	26.78	1	1					26.78 Kathrein	742-264	53	60	5.34		4.32	11.85	68:225	ON	ON
ATT B3	UMTS	1900	14.05	1	1					14.05 Kathrein	742-264	53	60	5.34		4.32	14.65	65:225	ON	ON
ATT B3	UMTS	1900	14.05	1	1					14.05 Kathrein	742-264	53	60	5.34		4.32	14.65	65:225	ON	ON
ATT C1	GSM	850	13.39	4	4					53.56 Kathrein	742-264	155	64	7.84		4.32	11.85	68:105	ON	ON
ATT C1	GSM	1900	7.03	4	4					28.12 Kathrein	742-264	155	64	7.84		4.32	14.65	65:105	ON	ON
ATT C2	UMTS	850	26.78	1	1					26.78 Kathrein	742-264	155	68	7.84		4.32	11.85	68:105	ON	ON
ATT C2	UMTS	1900	14.05	1	1					14.05 Kathrein	742-264	155	68	7.84		4.32	14.65	65:105	ON	ON
ATT C2	UMTS	1900	14.05	1	1					14.05 Kathrein	742-264	155	68	7.84		4.32	14.65	65:105	ON	ON
ATT C3	LTE	700	30	1	1					30 Kathrein	800-10764	157	72	7.7		4.6	12.35	68:105	ON	ON
ATT C3	LTE	1710	30	1	1					30 Kathrein	800-10764	157	72	7.7		4.6	15.15	61:105	ON	ON

StartSymbolData

Sym Map Mark R X Roof Y Map Label Description (notes for this table only)

Sym	5	35	AC Unit	Sample symbols
Sym	14	5	Roof Access	
Sym	45	5	AC Unit	
Sym	45	20	Ladder	

List Of Area
\$AES21:\$H

Map, Settings, Antenna, and Symbol Data Table .. Exported from workbook -> RoofView 4.15.xls

Done on 10/15/2010 at 10:39:56 AM.

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)

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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 Number of envelope

180 180 190 190 20 20 1 \$AE\$21:\$H \$AE\$21:\$HB\$200

StartSettingsData

Standard Method Uptime Scale Factor Low Thr Low Color Mid Thr Mid Color Hi Thr Hi Color Over Color Ap Ht Mult Ap Ht Method

2 1 1 5 1 500 6 5000 6 6 1.5 1

StartAntennaData

ID Name Uptime (MHz) Trans Power Trans Count Coax Len Coax Type Coax Loss Input Power Calc Power Mfg Model X (ft) Y (ft) Z (ft) Type (ft) Aperi (ft) dBd Gain BWidth Pt Dir Uptime Profile ON flag

ATT A1	LTE	700	30	1	1	5	1	500	6	5000	6	6	1.5	1	52	100	5.2	4.6	12.35	68:345	ON
ATT A1	LTE	1710	30	1	1	5	1	500	6	5000	6	6	1.5	1	52	100	5.2	4.6	15.15	61:345	ON
ATT A2	GSM	850	13.39	4	4	4	4	4	4	4	4	4	4	4	48	100	5.34	4.32	11.85	68:345	ON
ATT A2	GSM	1900	7.03	4	4	4	4	4	4	4	4	4	4	4	48	100	5.34	4.32	14.65	65:345	ON
ATT A3	UMTS	850	26.78	1	1	1	1	1	1	1	1	1	1	1	27	100	41.84	4.32	11.85	68:345	ON
ATT A3	UMTS	1900	14.05	1	1	1	1	1	1	1	1	1	1	1	27	100	41.84	4.32	14.65	65:345	ON
ATT A3	UMTS	1900	14.05	1	1	1	1	1	1	1	1	1	1	1	27	100	41.84	4.32	14.65	65:345	ON
ATT B1	LTE	700	30	1	1	5	1	500	6	5000	6	6	1.5	1	26	60	41.7	4.6	12.35	68:225	ON
ATT B1	LTE	1710	30	1	1	5	1	500	6	5000	6	6	1.5	1	26	60	41.7	4.6	15.15	61:225	ON
ATT B2	GSM	850	13.39	4	4	4	4	4	4	4	4	4	4	4	49	60	5.34	4.32	11.85	68:225	ON
ATT B2	GSM	1900	7.03	4	4	4	4	4	4	4	4	4	4	4	49	60	5.34	4.32	14.65	65:225	ON
ATT B3	UMTS	850	26.78	1	1	1	1	1	1	1	1	1	1	1	53	60	5.34	4.32	11.85	68:225	ON
ATT B3	UMTS	1900	14.05	1	1	1	1	1	1	1	1	1	1	1	53	60	5.34	4.32	14.65	65:225	ON
ATT B3	UMTS	1900	14.05	1	1	1	1	1	1	1	1	1	1	1	53	60	5.34	4.32	14.65	65:225	ON
ATT C1	GSM	850	13.39	4	4	4	4	4	4	4	4	4	4	4	155	64	7.84	4.32	11.85	68:105	ON
ATT C1	GSM	1900	7.03	4	4	4	4	4	4	4	4	4	4	4	155	64	7.84	4.32	14.65	65:105	ON
ATT C2	UMTS	850	26.78	1	1	1	1	1	1	1	1	1	1	1	155	68	7.84	4.32	11.85	68:105	ON
ATT C2	UMTS	1900	14.05	1	1	1	1	1	1	1	1	1	1	1	155	68	7.84	4.32	14.65	65:105	ON
ATT C2	UMTS	1900	14.05	1	1	1	1	1	1	1	1	1	1	1	155	68	7.84	4.32	14.65	65:105	ON
ATT C3	LTE	700	30	1	1	5	1	500	6	5000	6	6	1.5	1	157	72	7.7	4.6	12.35	68:105	ON
ATT C3	LTE	1710	30	1	1	5	1	500	6	5000	6	6	1.5	1	157	72	7.7	4.6	15.15	61:105	ON

StartSymbolData

Sym Map Markr Roof X Roof Y Map Label Description (notes for this table only)

Sym 5 35 AC Unit Sample symbols

Sym 14 5 Roof Access

Sym 45 5 AC Unit

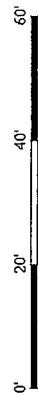
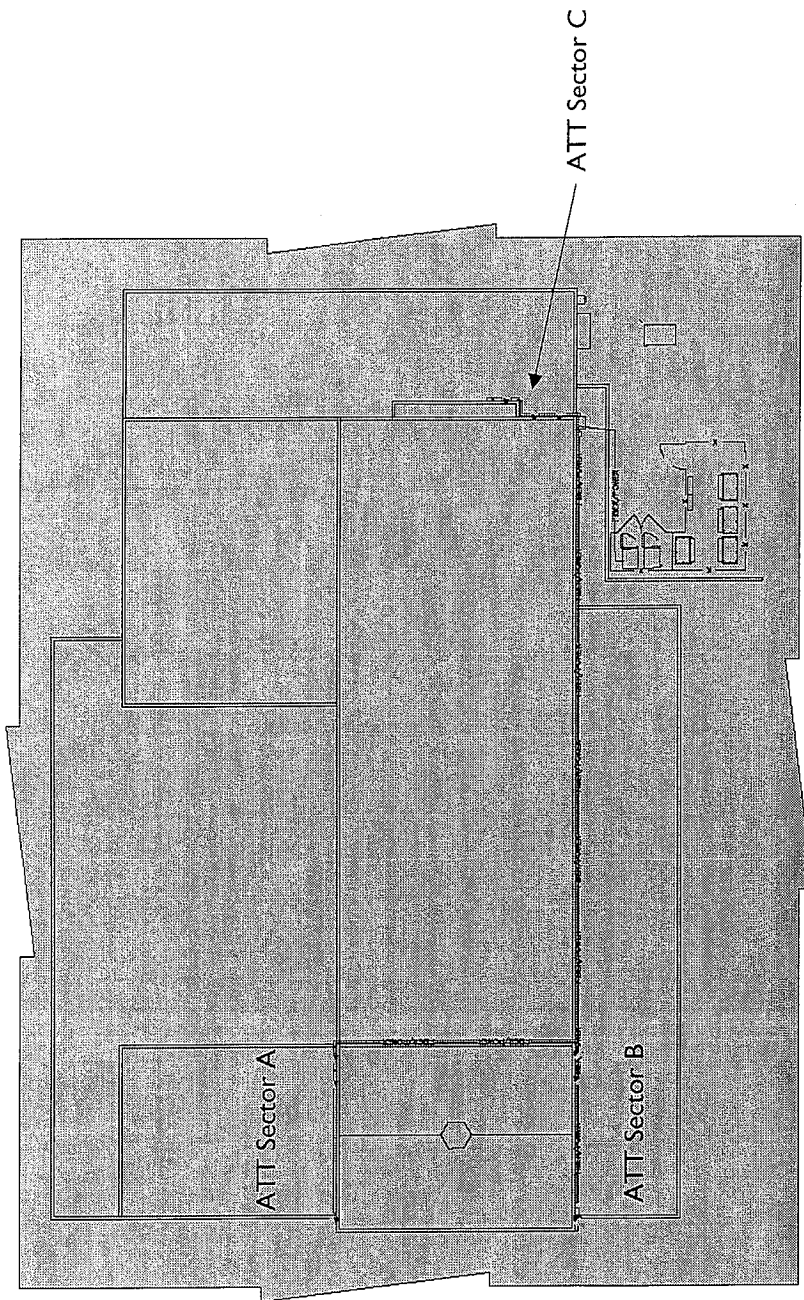
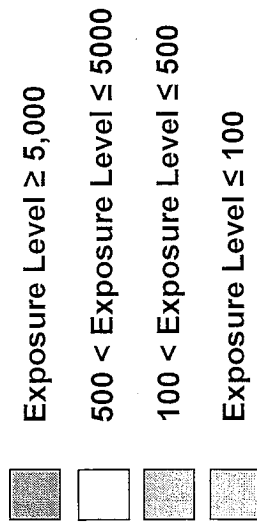
Sym 45 20 Ladder

List Of Area
\$AE\$21:\$H

Appendix D

Roofview® Graphics

% of FCC Public Exposure Limit



AT&T Antennas

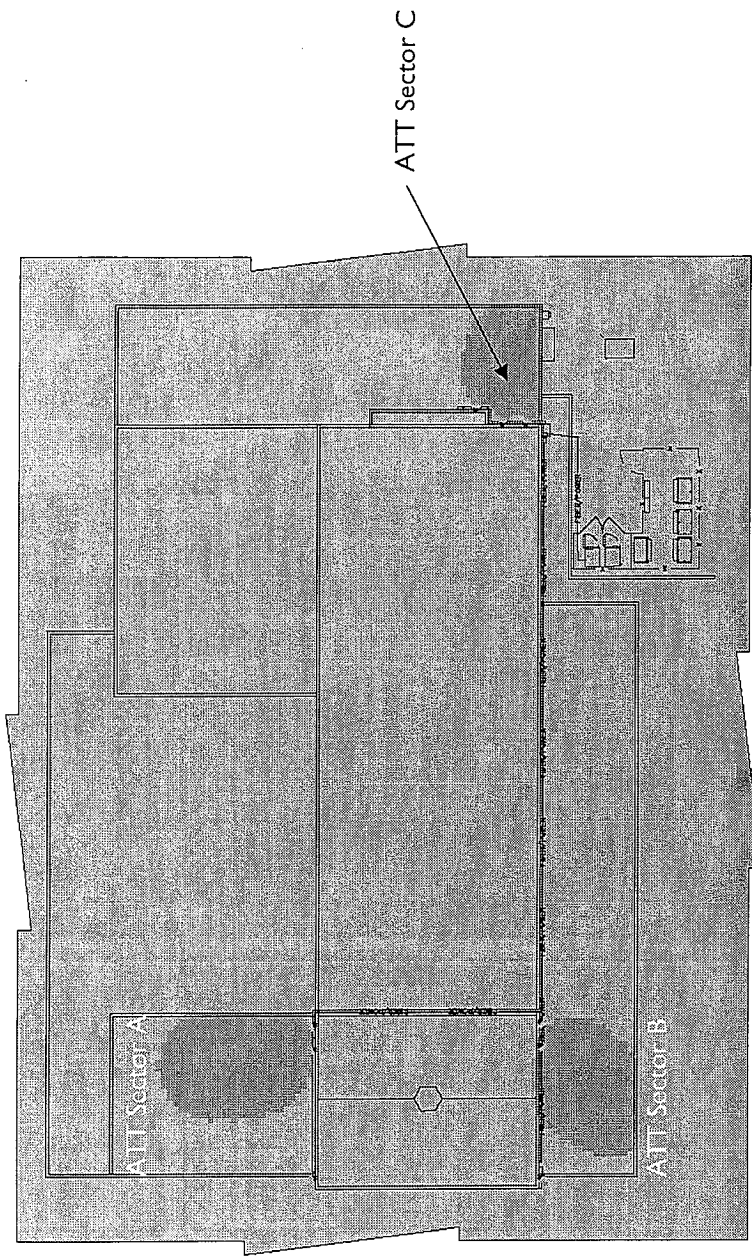
Roofview: Composite Exposure Levels

Facility Operator: AT&T Mobility
 Site Name: Mandana Blvd - Lakeshore
 AT&T Site Number: CNU4723
 USID Number: 47739
 Report Date: 10-21-10



% of FCC Public Exposure Limit

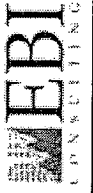
- Exposure Level >5
- Exposure Level ≤ 5



Roofview: AT&T Exposure Levels

Facility Operator: AT&T Mobility
 Site Name: Mandana Blvd - Lakeshore
 AT&T Site Number: CNU4723
 USID Number: 47739
 Report Date: 10-21-10

AT&T Antennas



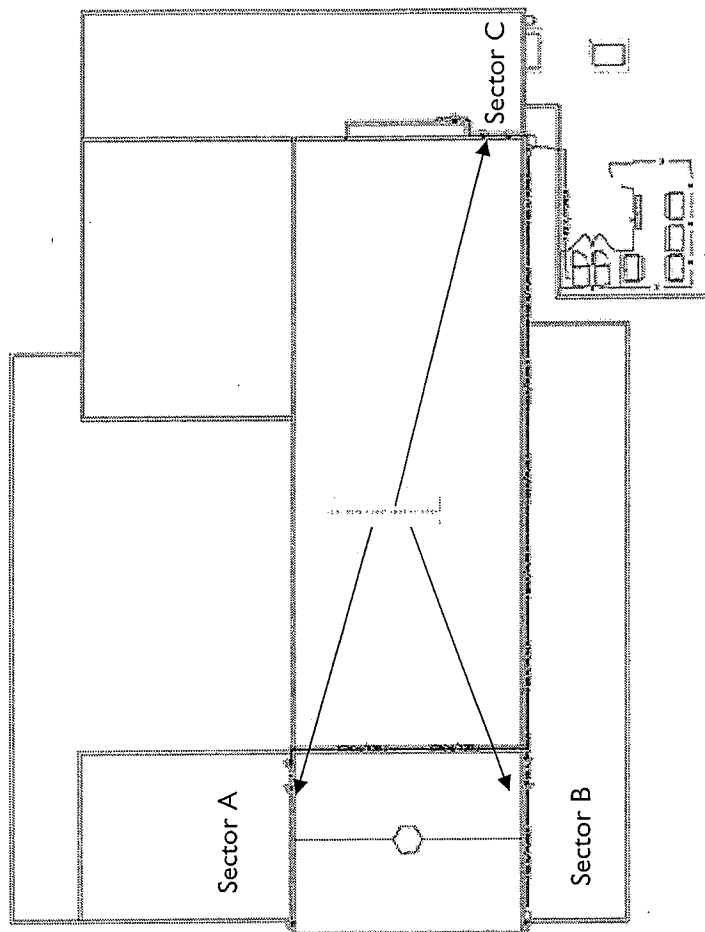
Appendix E

Compliance/Signage Plan



AT&T Antennas

Post below signs at designated access points to the rooftop. Please also provide a copy of this report to all workers being elevated above ground level.



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 T NOTICE Sign
	Denotes AT&T CAUTION Sign
	Denotes AT&T WARNING Sign

Compliance/Signage Plan
Facility Operator: AT&T Mobility
Site Name: Mandana Blvd - Lakeshore
AT&T Site Number: CNU4723
USID Number: 47739
Report Date: 10-21-10

