



Agenda

Planning Commission Meeting

7:00 P.M. on Tuesday, July 10, 2012

Hoyer Hall, Clayton Community Library, 6125 Clayton Road, Clayton

CALL TO ORDER, ROLL CALL, PLEDGE TO THE FLAG

Administrative

- 1A. Selection of Chair and Vice Chair.
- 1B. Review of agenda items.
- 1C. Vice Chair Haydon to report at the City Council meeting on July 17, 2012.

Public Comment

Approval of Minutes

- 2. Approval of minutes from the meeting on June 26, 2012.

Public Hearing

- 3. **UP 01-12, Use Permit, AT&T, 68 Nottingham Circle, APN 120-025-003.** A Use Permit request to consider amending a previously-approved Use Permit for an existing wireless communications facility. The currently-proposed modifications involve removal of six existing antennas located at the top of an existing 125-foot PG&E lattice tower and replacement of those antennas with six new antennas as well as installation of three new cabinets within the existing ground-level equipment enclosure. The purpose of the alterations are to upgrade the existing site with new technology that will allow for faster wireless data transfers and overall improved wireless service.

Recommended Action: Approve, with conditions.

Old Business

- 4. None.

New Business

- 5. None.

Communications

- 6A. Staff.
- 6B. Commission.

Adjournment

- 7. The next meeting of the Planning Commission is scheduled for **Tuesday, July 24, 2012.**

Most Planning Commission decisions are appealable to the City Council within ten (10) calendar days of the decision. Please contact Community Development Department staff for further information immediately following the decision. If the decision is appealed, the City Council will hold a public hearing and make a final decision. If you challenge a final decision of the City in court, you may be limited to raising only those issues you or someone else raised at the public hearing(s), either in oral testimony at the hearing(s) or in written correspondence delivered to the Community Development Department at or prior to the public hearing(s). Further, any court challenge must be made within 90 days of the final decision on the noticed matter. If you have a physical impairment that requires special accommodations to participate, please contact the Community Development Department at least 72 hours in advance of the meeting at 925-673-7340. An affirmative vote of the Planning Commission is required for approval. A tie vote (e.g., 2-2) is considered a denial. Therefore, applicants may wish to request a continuance to a later Commission meeting if only four Planning Commissioners are present. Any writing or documents provided to the majority of the Planning Commission after distribution of the agenda packet regarding any item on this agenda will be made available for public inspection in the Community Development Department located at 6000 Heritage Trail during normal business hours.

Minutes
Clayton Planning Commission Meeting
Tuesday, June 26, 2012

Call to Order

Chair Dan Richardson called the meeting to order at 7:00 p.m. at Hoyer Hall, 6125 Clayton Road, Clayton.

Present: Chair Dan Richardson, Vice Chair Haydon, Commissioner Bob Armstrong, Commissioner Sandra Johnson, and Commissioner Gregg Manning
Absent: None
Staff: Community Development Director David Woltering
Assistant Planner Milan Sikela, Jr.

Administrative

- 1A. Review of agenda items.
- 1B. Chair Richardson to report at the City Council meeting on July 3, 2012.

Public Comment

None.

Approval of Minutes

- 2. Approval of minutes from the meeting of June 12, 2012.

Commissioner Manning moved and Commissioner Johnson seconded a motion to approve the minutes, as submitted. The motion passed 5-0.

Public Hearing

- 3. **HOP 07-12, Home Occupation Permit, Jessica Relei**, 8140 Marsh Creek Road, APN 078-020-040. A request for a Home Occupation Permit to consider allowing a hair cutting and hair coloring business to operate in a single-family residence.

Commissioner Johnson recused herself from participating in the consideration and action on this agenda item as her residence is within 500 feet of the site of the application. She then left the meeting chambers.

Assistant Planner Sikela presented the staff report.

The public hearing was opened.

The applicant, Jessica Relei, had no comment.

Commissioner Manning asked if any comments had been received by the City after the public hearing notices were mailed regarding this item? *Assistant Planner Sikela responded that no comments had been received by the City.*

Vice Chair Haydon asked if a requirement had been provided in the staff report that addresses the applicant obtaining a City business license. *Assistant Planner indicated that proposed Condition of Approval 10 in the staff report requires the applicant to obtain a City business license.*

Commissioner Armstrong indicated that, since the Clayton Municipal Code allows a home occupation to have a maximum of six clients per day when reviewed by the Planning Commission, the applicant should be allowed up to that maximum instead of the four clients per day that the applicant proposed. Then, if her business does well, she would not have to return to the Planning Commission to seek approval of an increase in the maximum of clients per day from four to six. *Assistant Planner Sikela indicated that, at the Planning Commission's direction, proposed Condition of Approval 2 could be modified to allow the applicant a maximum of six clients per day.*

Chair Richardson asked the applicant if she would prefer to have a maximum of six clients per day. *The applicant indicated, yes, she would prefer to have a maximum of six clients per day.*

Vice Chair Haydon indicated that, in the Notice of Decision, it may be helpful to be more specific about the home occupation being conducted in one room of the primary residence, rather than using a general reference to 8140 Marsh Creek Road.

Commissioner Manning moved and Vice Chair Haydon seconded the motion to approve Home Occupation Permit HOP 07-12 for the hair cutting and hair coloring business to operate within one room of 6,794 square-foot single-family residence (encompassing 5,797 square feet of habitable living area and a 997 square-foot garage) located at 8140 Marsh Creek Road, subject to the Findings of Approval, Conditions of Approval, and Advisory Notes recommended by staff, and subject to the Project Description and Conditions of Approval amended by the Planning Commission, as stated below. The motion passed 5-0.

Project Description

A home occupation permit to allow a hair cutting and hair coloring business to operate within one room of a 6,794 square-foot single-family residence (encompassing 5,797 square feet of habitable living area and a 997 square-foot garage) located at 8140 Marsh Creek Road, APN 078-020-040, in Clayton.

Conditions of Approval (amended)

2. A maximum of one (1) client at a time and ~~four (4)~~ six (6) clients per day are allowed on the permitted days for operating the business.

Commissioner Johnson returned to the meeting chambers.

Old Business

4. **CDD 01-12, Solar Access Rights, City of Clayton.**

Director Woltering summarized a position paper to be forwarded to the City Council. He indicated the Planning Commission reached a consensus that, based on current staffing levels and resources available to the City, existing State regulations, in the form of the California Solar Shade Control Act (CSSCA), provide sufficient guidance and violation thresholds to address solar access rights. Accordingly, the Planning Commission did not foresee a need at this time to add further regulation regarding this matter locally.

Commissioner Johnson thanked Director Woltering for his excellent work on preparing the draft position paper.

Commissioner Manning confirmed that the CSSCA provisions indicate that any tree planted before the installation of solar collectors is exempt. *Director Woltering indicated that Commissioner Manning's understanding of the CSSCA's regulations regarding trees planted prior to solar collector installation was correct.*

Commissioner Johnson moved and Commissioner Manning seconded the motion to approve the Planning Commission's solar access rights position paper to be presented to the City Council. The motion passed 5-0.

New Business

5A. Resolution recognizing Commissioner Bob Armstrong's service on the Planning Commission.

Director Woltering introduced Resolution No. 03-12.

Chair Richardson indicated that the Resolution speaks for itself in describing Commissioner Armstrong's exemplary service on the Planning Commission.

Vice Chair Haydon and Commissioner Manning both indicated that it was good working with Commissioner Armstrong.

Commissioner Johnson indicated that Commissioner Armstrong was inspiring, provided food for thought during review of projects, and was a great TRANSPAC representative.

Chair Richardson read Resolution No. 03-12 verbatim and thanked Commissioner Armstrong for his outstanding work as a Commissioner.

Commissioner Armstrong indicated the following:

- It has been a pleasure serving on the Planning Commission.
- My intention, in part, was to reduce the jargon used by government employees since it seems that the public is often confused by the terminology of public administrators.
- I have always tried to keep an open mind about the issues that have come before the Planning Commission.
- From my perspective, Clayton has been evolving and continues to evolve in a positive direction.
- Would like to thank Director Woltering for his professionalism, quality work, and for writing the resolution.
- Would like to thank Assistant Planner Sikela for being so helpful and for all the times he delivered the Planning Commission packets to my home.

Vice Chair Haydon moved and Commissioner Manning seconded the motion to approve Resolution No. 03-12. The motion passed 4-1 (Commissioner Armstrong abstained).

5B. Appointment to TRANSPAC (Transportation Partnership and Cooperation) Committee.

Director Woltering indicated the following:

- With Commissioner Armstrong leaving the Planning Commission and no longer serving as a Planning Commission representative to TRANSPAC, another member of the Planning Commission needs to be selected.
- Spoke to Barbara Neustadter, the administrator at TRANSPAC, and she offered to do an orientation for the next Planning Commission representative.
- The Commissioner that is appointed to TRANSPAC would attend the next TRANSPAC meeting on July 12, 2012 or begin at the following meeting on September 13, 2012.

Commissioner Armstrong conveyed the following information about TRANSPAC:

- Meets the second Thursday of each month.
- Reallocates Measure J monies.
- Established many new hiking and bike trails.
- Identified all the dangerous on-ramps and off-ramps along Highway 4 in central Contra Costa County.
- TRANSPAC packet arrives one week prior to the TRANSPAC meeting.
- Meetings generally last two hours, from 7:00 a.m. to 9:00 a.m.
- Field trips sometimes occur.
- Emphasizes the use of electric vehicles and bicycles.
- An example of projects analyzed are such proposals as the expansion of the parking lot at the Martinez ferry terminal.
- Items discussed included thickening the roadbase on Kirker Pass Road from 18 inches to 21 inches to reduce vehicle wear and tear.
- Found Barbara Neustadter's and Julie Pierce's contributions to TRANSPAC invaluable.

The Planning Commission reached a consensus that Chair Richardson would replace Commissioner Armstrong as the Planning Commission representative to TRANSPAC.

Communications

6A. Staff.

Community Development Director Woltering informed the Planning Commission about the newly appointed Commissioner, David Bruzzone, and indicated that the Clayton Community Church has requested that all work on its proposed downtown development be suspended.

6B. Commission – None.

Adjournment

7. The meeting was adjourned at 7:58 p.m. to the following regularly-scheduled meeting of July 10, 2012.

Submitted by
David Woltering, AICP
Community Development Director

Approved by
Dan Richardson
Chair

PLANNING COMMISSION STAFF REPORT

Meeting Date: July 10, 2012

From: Milan J. Sikela, Jr. *MS*
Assistant Planner

Subject: AT&T Use Permit (UP 01-12)

REQUEST

A Use Permit to consider amending a previously-approved Use Permit for an existing wireless communications facility. The currently-proposed modifications involve removal of six existing antennas located at the top of an existing 125-foot PG&E lattice tower and replacement of those antennas with six new antennas as well as installation of three new cabinets and a new GPS antenna within the existing ground-level equipment enclosure.

PROJECT INFORMATION

Applicant/Location: AT&T c/o Trillium Consulting
68 Nottingham Circle
Clayton, California 94517
APN 120-025-003
(See **Attachment 1, Sheet T01** for location map)

Property Owners: Michael and Kathleen O'Brien
68 Nottingham Circle
Clayton, California 94517

General Plan Designation: Low Density – Single Family Residential (1.1 to 3.0 units per acre).

Zoning: Single Family Residential R-10 District (10,000 square-foot minimum lot area)

Environmental Review: Categorically exempt per Sections 15303(d) and 15303(e) of the California Environmental Quality Act (CEQA) Guidelines.

Public Notice: On June 29, 2012, a public hearing notice was posted at the notice boards and mailed to property owners within 300 feet of the site. To date, no comments have been received by staff.

Agency Referrals: Comments received from the City Engineer have been incorporated into the Conditions of Approval. The Contra Costa County Building Inspection Department and Contra Costa County Fire Protection District did not respond.

Authority: Section 17.42.050.A.3 of the Clayton Municipal Code (CMC) authorizes the Planning Commission to approve a Use Permit in accordance with the Findings in CMC Section 17.42.050.B and Standards of Review in CMC Section 17.60.040.

BACKGROUND AND DISCUSSION

On June 24, 2008, the Planning Commission approved a Use Permit (UP 01-08) for AT&T to co-locate at an existing wireless communications facility with Metro PCS at 68 Nottingham Circle. The approval allowed the placement of six antennas on a pre-fabricated “cage” extension located 125 feet above ground level at the top of an existing PG&E lattice tower. In addition, an approximate 240 square-foot ground-level equipment enclosure was constructed to house four equipment cabinets, one GPS antenna, and associated minor mechanical equipment. A screen fence was installed to minimize visual impact of the cabinets and associated equipment from areas outside of the enclosure.

The current proposal includes removal of the six existing antennas and replacement of those antennas with six new antennas as well as installation of three new additional cabinets, a new additional GPS antenna, and new coax/fiber cables (see **Attachment 1** for project location map, site plan, equipment plans, and elevations and **Attachment 2** for photo simulations). The alterations entail upgrading the existing site with new technology that will allow for faster wireless data transfers and overall improved wireless service (see **Attachment 3** for the written supplement describing the project parameters). In order to ensure that the new antennas and new coax/fiber cables are a more integrated component of the existing tower, staff has provided a condition that the antennas and coax/fiber cables utilize colors that match the colors of the existing PG&E tower and prefabricated cage extension.

The applicant has submitted a Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report (see **Attachment 4**). In summary, the project meets Federal Communications Commission (FCC) and Occupational Safety and Health Administration (OSHA) requirements as well as AT&T radio frequency (RF) safety policies. The report states that 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.”

Regarding anticipated project-related noise impacts, the written supplement indicates that the project modifications will not increase the noise generated from the project site and will be in compliance with the applicable Objectives and Policies of the General Plan Noise Element (see **Attachment 3, Page 3**). Staff has provided a condition that, prior to issuance of a building permit, the applicant shall submit an acoustical study prepared by a qualified acoustical consultant that shows project compliance with the City’s noise standards, to the satisfaction of the Community Development Director.

In order to ensure that landscaping is located to provide maximum screening of the equipment enclosure and properly maintained in perpetuity (along with any installed irrigation), staff has provided to following conditions:

- “Prior to building permit issuance, a landscaping and irrigation plan shall be submitted to the City for review and approval by the Community Development Director, City Engineer, and Maintenance Supervisor.”

- “Prior to building permit issuance, the applicant shall enter into a landscape and maintenance agreement for any landscaping installed on the City’s trail easement

Furthermore, to address construction and maintenance of wireless communication facility and site improvements (including fencing upkeep) as well as landscaping and irrigation installation on the City’s trail easement, staff has provided a condition that the applicant obtain a special encroachment permit from the City Engineer prior to issuance of a building permit.

ANALYSIS AND CONCLUSION

Since the proposal will not involve parking impacts or traffic; will not generate noise levels in violation of the General Plan Noise Element; will not create significant levels of dust, airborne particulate, fumes, smells, or litter; and is not a place used by people (other than repair technicians) resulting in crime, congregations, and negative influences on minors; staff concludes that, as conditioned, the project complies with the Use Permit Standards of Review listed in Section 17.60.040 of the Clayton Municipal Code.

RECOMMENDATION

Staff recommends that the Planning Commission approve Use Permit UP 01-12 to allow modifications to occur to an existing wireless communications facility that involve removal of the six existing antennas and replacement of those antennas with six new antennas as well as installation of three new additional cabinets, a new additional GPS antenna, and new coax/fiber cables at 68 Nottingham Circle in Clayton.

PROPOSED FINDINGS OF APPROVAL

Based upon the evidence set forth in the staff report, which includes relevant information from the project file, as well as testimony at the public hearing, the Planning Commission makes the following Findings that Use Permit UP 01-12, as conditioned:

1. Is in conformity with the General Plan.
2. Is in conformity with City-adopted standards.
3. Will not negatively affect the general safety (e.g., seismic, landslide, flooding, fire, traffic) or the City or surrounding area.
4. Will not have significant negative impacts on the health or general welfare of residents, businesses, property owners, or employees in the City.
5. Will be in accord with the purpose of Use Permits as stated in Chapter 17.60 of the Clayton Municipal Code.
6. Limits the impacts upon the neighborhood by:
 - a. Incorporating replacement antennas and coax/fiber cables that are visually integrated with the existing PG&E lattice tower and prefabricated cage extension by utilizing matching colors.
 - b. Having new cabinets located inside the footprint of the existing PG&E lattice tower and visually screened by a seven-foot screen fence and landscaping.
7. Will have replacement antennas that are located between 113 and 125 feet above the ground and new cabinets in the equipment enclosure which is located within the footprint of the PG&E tower, which is less visually obtrusive than constructing the antennae array and equipment pad to the rear of the on-site residence.
8. Has provided the necessary link with a receiver located on the same parcel of land on which the antennas are located.

9. Incorporates antennas installed atop the PG&E tower by experience tower climbers and are installed on structural supports that meet or exceed the manufacturer's specifications.
10. Contains an antenna array installed atop an existing PG&E tower which is located a minimum of 15 feet from the nearest property line.

The above-stated findings assume acceptance and approval of the proposed Conditions of Approval listed below.

PROPOSED CONDITIONS OF APPROVAL

These Conditions of Approval apply to the AT&T location map, site plan, equipment plans, and elevations, submitted by the applicant, date stamped May 10, 2012; written supplement describing the parameters of the project, submitted by the applicant, date stamped May 10, 2012; and Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report, prepared by EBI Consulting, date stamped May 10, 2012.

1. The color and finish of the replacement antennas and coax/fiber cables shall match the color and finish of the existing PG&E tower and prefabricated cage extension.
2. Sound hoods shall be installed on all new cabinets within the equipment enclosure.
3. Standard AT&T information signs and warning signs shall be posted at the base of the tower.
4. Prior to issuance of a building permit for the project, the applicant shall submit an acoustical study prepared by a qualified acoustical consultant that assesses the anticipated noise generated by the proposed project and affirms that the proposal, as presented and approved, conforms with Objective 3 of the Clayton General Plan Noise Element that requires a maximum allowance 55 Ldn at the property line to the satisfaction of the Community Development Director. In the circumstance that modifications are required to the proposed project to achieve conformance with the City's noise standards, and those modifications are not consistent with the approved project, the modified project shall be returned to the Planning Commission for re-consideration to the satisfaction of the Community Development Director.
5. Prior to issuance of a building permit for the project, a landscaping and irrigation plan shall be submitted to the City for review and approval by the Community Development Director, City Engineer, and Maintenance Department.
6. Prior to issuance of a building permit for the project, the applicant shall enter into a landscape and maintenance agreement with the City for any landscaping installed on the City's trail easement. All recordation costs related to the landscape and maintenance agreement shall be incurred by the applicant.
7. All existing trees shall be protected during construction. The protected existing trees shall be shown on the landscape plan.
8. All structures and equipment associated with the wireless communications facility site shall be removed within thirty (30) days of the discontinuance of the use and the site shall be restored to its pre-development condition. In addition, the applicant shall provide the City with a notice of intent to vacate the site a minimum of thirty (30) days prior to vacation. This condition shall be recorded against the subject property.
9. Prior to issuance of a building permit for the project, the applicant shall obtain the following from the City Engineer:
 - a. An encroachment permit (with a cash bond) for use of the City's trail easement for construction purposes.

- b. A special encroachment permit for the installation and maintenance of landscaping and irrigation within the City's trail easement.
10. The applicant agrees to indemnify, protect, defend, and hold harmless the City and its elected and appointed officials, officers, employees, and agents from and against any and all liabilities, claims, actions, causes, proceedings, suits, damages, judgments, liens, levies, costs, and expenses of whatever nature, including, but not limited to, attorney's fees, costs, and disbursements arising out of or in any way relating to the issuance of this entitlement, any actions taken by the City relating to this entitlement, and any environmental review conducted under the California Environmental Quality Act for this entitlement and related actions.

ADVISORY NOTES

These Advisory Notes are provided to inform the applicant of: (a) Clayton Municipal Code requirements; or (b) requirements imposed by other agencies. These Advisory Notes state requirements that may be in addition to the Conditions of Approval.

1. The applicant shall comply with all applicable City, County, State, and wireless communications codes, regulations, and adopted standards.
2. The applicant shall obtain a building permit through the City of Clayton prior to commencement of construction to the satisfaction of the Community Development Director.
3. This Use Permit shall be used, exercised, or established within twelve months after granting of the Permit of a time extension must be obtained from the Planning Commission otherwise the Permit shall be null and void (Clayton Municipal Code Section 17.64.010-030).

ATTACHMENTS

- 1 AT&T location map, site plan, equipment plans, and elevations, submitted by the applicant, date stamped May 10, 2012
- 2 Photosimulations, submitted by the applicant, date stamped May 10, 2012
- 3 Written supplement describing the parameters of the project, submitted by the applicant, date stamped May 10, 2012
- 4 Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report, prepared by EBI Consulting, date stamped May 10, 2012

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SITE NUMBER: CCL04262/CNU4262/FA10070338

SITE NAME: SBC CENTRAL OFFICE

TOWER SAP# 40603535

TOWER# 011/056

LINE NAME & VOLTAGE: CONTRA COSTA-MORAGA

#1230KV

68 NOTTINGHAM CIRCLE

CLAYTON, CA 94517

RECEIVED

MAY 14 2010

CLAYTON COMMUNITY DEVELOPMENT DEPT

RF DATA SHEET

DATE ISSUED: 02/01/12

REVISION: v10.1

DRAWING INDEX

REV	TITLE SHEET
3	25471-630-CCL04262-T01
3	25471-630-CCL04262-A01
3	25471-630-CCL04262-A02
3	25471-630-CCL04262-A03
3	25471-630-CCL04262-A04
3	25471-630-CCL04262-D01

AT&T APPROVAL

CL MANAGER: RE-ENGINEER

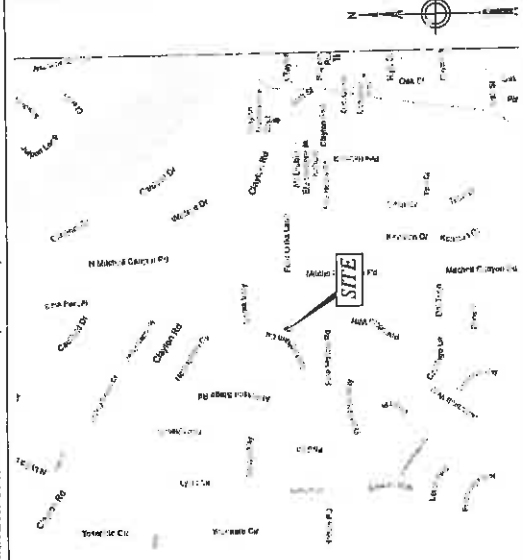
CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE (CEC) AND THE CALIFORNIA MECHANICAL CODE (CMC) NOT CONFLICTING TO THE LOCAL CODES. CONSTRUCTION TO PERMIT WORK NOT CONFLICTING TO THE LOCAL CODES.

- 2010 CALIFORNIA BUILDING CODE (110 CBC)
- 2010 CALIFORNIA ELECTRICAL CODE (110 CEC)
- 2010 CALIFORNIA MECHANICAL CODE (110 CMC)
- 2010 CALIFORNIA MECHANICAL CODE (110 CMC)
- 2010 CALIFORNIA ENERGY CODE

DRIVING DIRECTIONS

DIRECTIONS FROM PLEASANTON, CA:
DEPART DOWNSHORE DR TOWARD OLD SANTA RITA RD
DEPART LEFT ONTO SANTA RITA RD
TAKE RAMP RIGHT FOR 1.80 WEST TOWARD OAKLAND
AT EXIT 408, TAKE RAMP RIGHT FOR 1.80 NORTH TOWARD
WALNUT CREEK / SACRAMENTO / CONCORD
TAKE RAMP RIGHT AND FOLLOW SIGNS FOR YGNACIO VALLEY ROAD
TURN RIGHT ONTO YGNACIO VALLEY RD
TURN RIGHT ONTO CLAYTON RD
TURN RIGHT ONTO MITCHELL CANYON RD
TURN RIGHT ONTO FOUR OAKS LN
ARRIVE AT 68 NOTTINGHAM CIRCLE, CLAYTON, CA 94517



PROJECT DESCRIPTION

MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY BY WIRING (6) EXISTING PANEL ANTENNAE FOR (6) FIVE-JOINT PANEL ANTENNAE (2 PER SECTOR, 3 SECTORS TOTAL) ON AN EXISTING STEEL LATTICE TOWER. INSTALLATION ALSO INCLUDES (6) NEW 150W DC POWER OVER VOLTAGE PROTECTOR MOUNTED ON THE EXISTING TOWER. THE EXISTING TOWER CABINET AND (2) PARALLEL CABLES (1.5' DIA) WILL BE LOCATED WITHIN THE EXISTING FENCE. THE NEW ANTENNAE WILL BE MOUNTED TO AN EXISTING, H-FRAME SUPPORT POLE INSIDE CONCRETE FENCE.

PROJECT INFORMATION

SITE ADDRESS: 68 NOTTINGHAM CIRCLE
CLAYTON, CA 94517
PROPERTY OWNER: MICHAEL AND KATHLEEN O'BRIEN
TOWER OWNER: PG&E
CONTACT: TBD
APPLICANT ADDRESS: 4430 ROBERTSON DRIVE BLDG. # 3, 2ND FLOOR, PLEASANTON, CA 94556
CITY OF CLAYTON
JURISDICTION: 120-025-003
PROPERTY TAX ID: R-10 SINGLE FAMILY RESIDENTIAL
ZONING DISTRICT: N 37' 56" 31.85" (NAD 83)
LATITUDE: W 121' 58" 33.47" (NAD 83)
ELEVATION: 435.5' ± MSL
CURRENT USE: TELECOMMUNICATIONS FACILITY
PROPOSED USE: TELECOMMUNICATIONS FACILITY

SITE QUALIFICATION PARTICIPANT

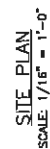
NAME	COMPANY	CONTACT NUMBER
A/E	AT&T	(206) 342-6350
S/C	VALERIE TALLERICO	(714) 414-5618
RF	CHIAN AKKVA	(925) 488-8504
ZONING	VALERIE TALLERICO	(714) 414-5618
LANDSCAPE	MICHAEL AND KATHLEEN O'BRIEN	TBD
CONSTRUCTION	BRUCE BACHERT	(915) 653-2331

TITLE SHEET	
DATE	2/27/12
BY	CCL04262
CHECKED	T01
DATE	2/27/12



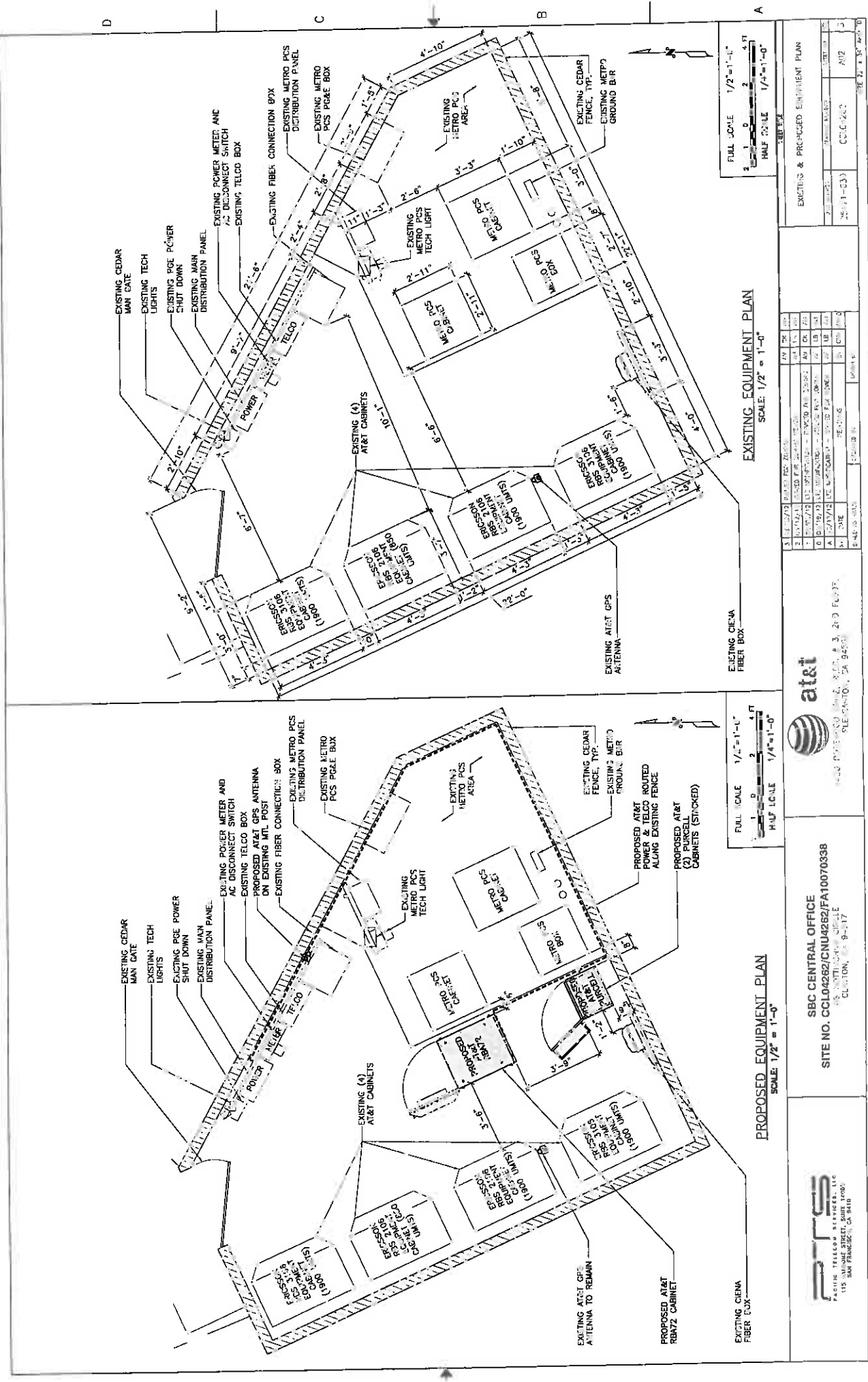
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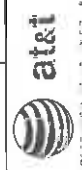
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Figure 1



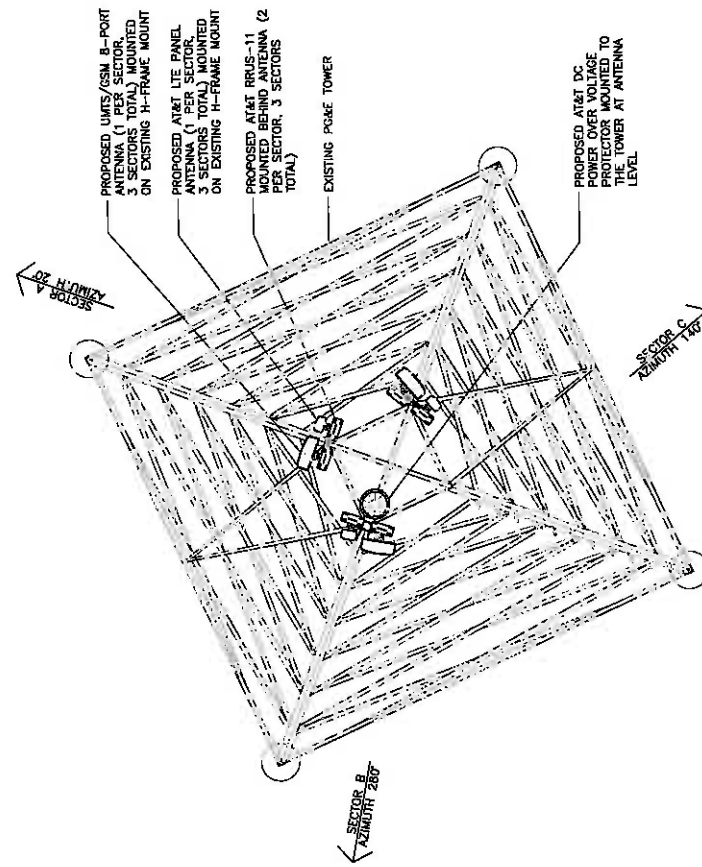
EXISTING & PROPOSED EQUIPMENT PLAN

NO.	DESCRIPTION	DATE	BY	CHKD.	APP'D.
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99	...	...	...	...	...
100	...	...	...	...	...



SBC CENTRAL OFFICE
SITE NO. CCL04282/CNU0282/FA10070338
115 SAN FRANCISCO STREET, SUITE 1400
SAN FRANCISCO, CA 94104





PROPOSED EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

FULL SCALE 1/4" = 1'-0"
HALF SCALE 1/8" = 1'-0"

PTES
PACIFIC TELECOM SERVICES, LLC
115 SANDHOG STREET, SUITE 1400
SALT LAKE CITY, UT 84143

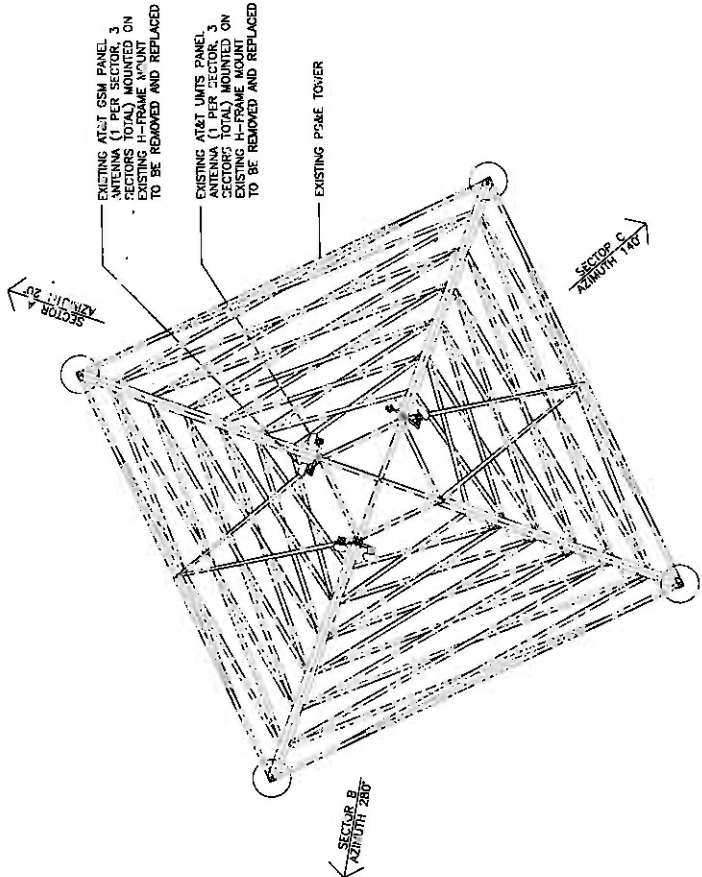
SBC CENTRAL OFFICE
SITE NO. CCL04262/CNU0262/FA10070338
CCL04262/CNU0262/FA10070338



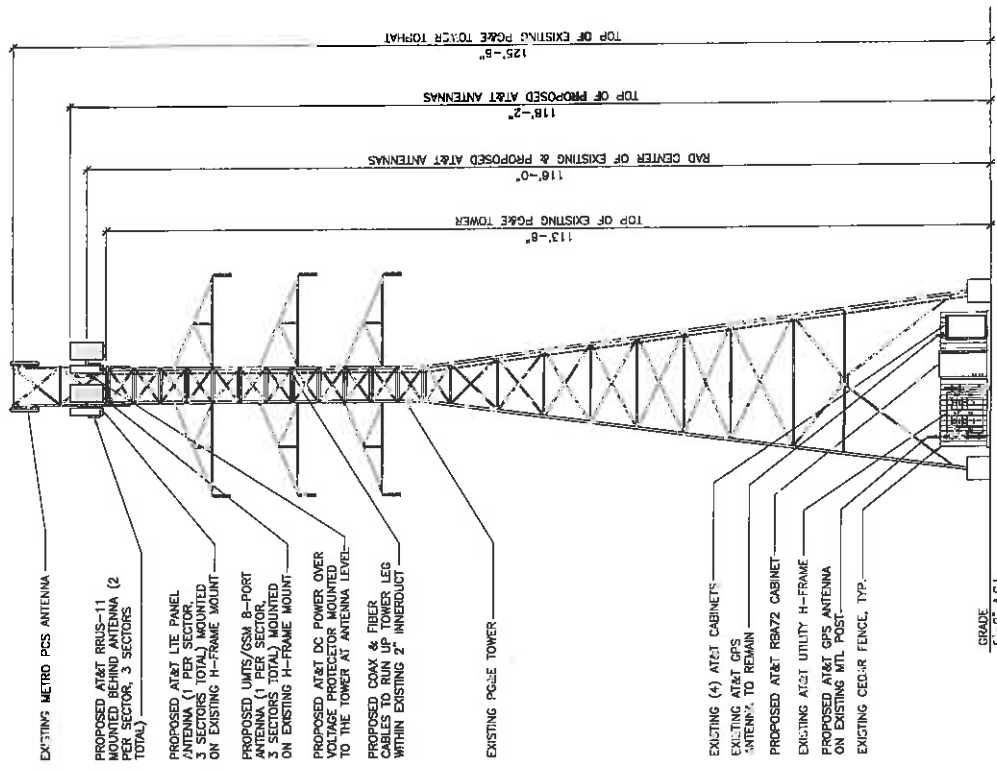
at&t
1000 RIVERWOOD DRIVE, SUITE 300, FLORENCE, CA 95626
TEL: 916-438-1100, FAX: 916-438-1101

FULL SCALE 1/4" = 1'-0"
HALF SCALE 1/8" = 1'-0"

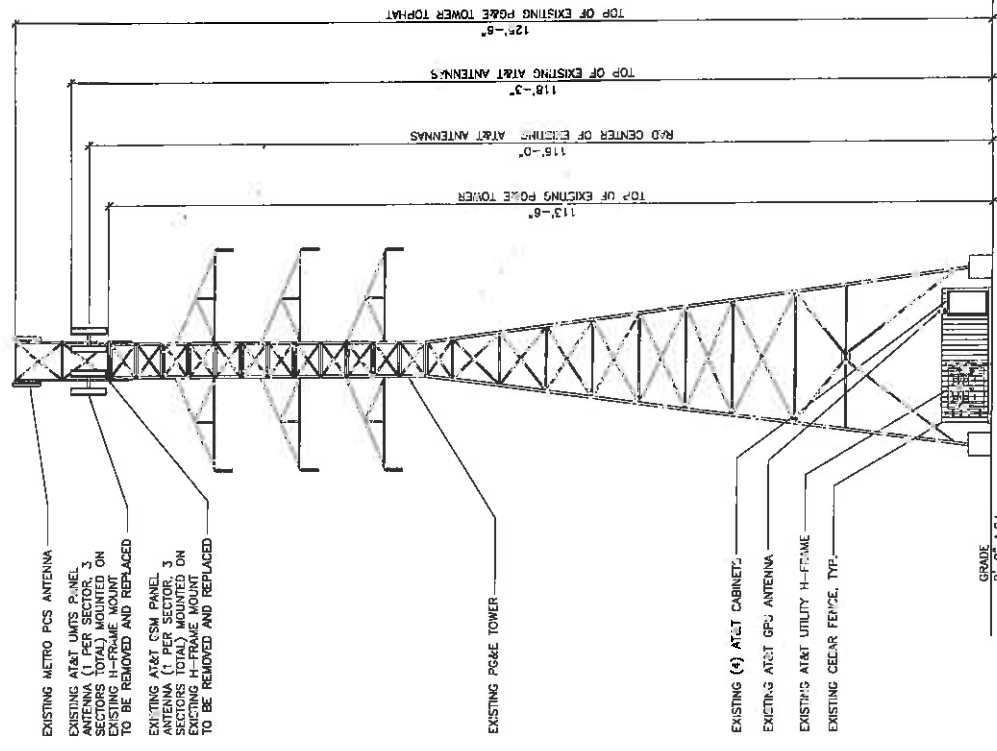
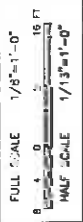
EXISTING EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"



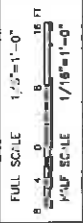
SHEET TITLE		SHEET NO.	
EXISTING & PROPOSED ANTENNA PLAN		22.134.1	
DATE	2/2/94	BY	ADJ
REV	01	DATE	2/2/94



PROPOSED NORTHWEST ELEVATION
SCALE: 1/8" = 1'-0"



EXISTING NORTHWEST ELEVATION
SCALE: 1/8" = 1'-0"



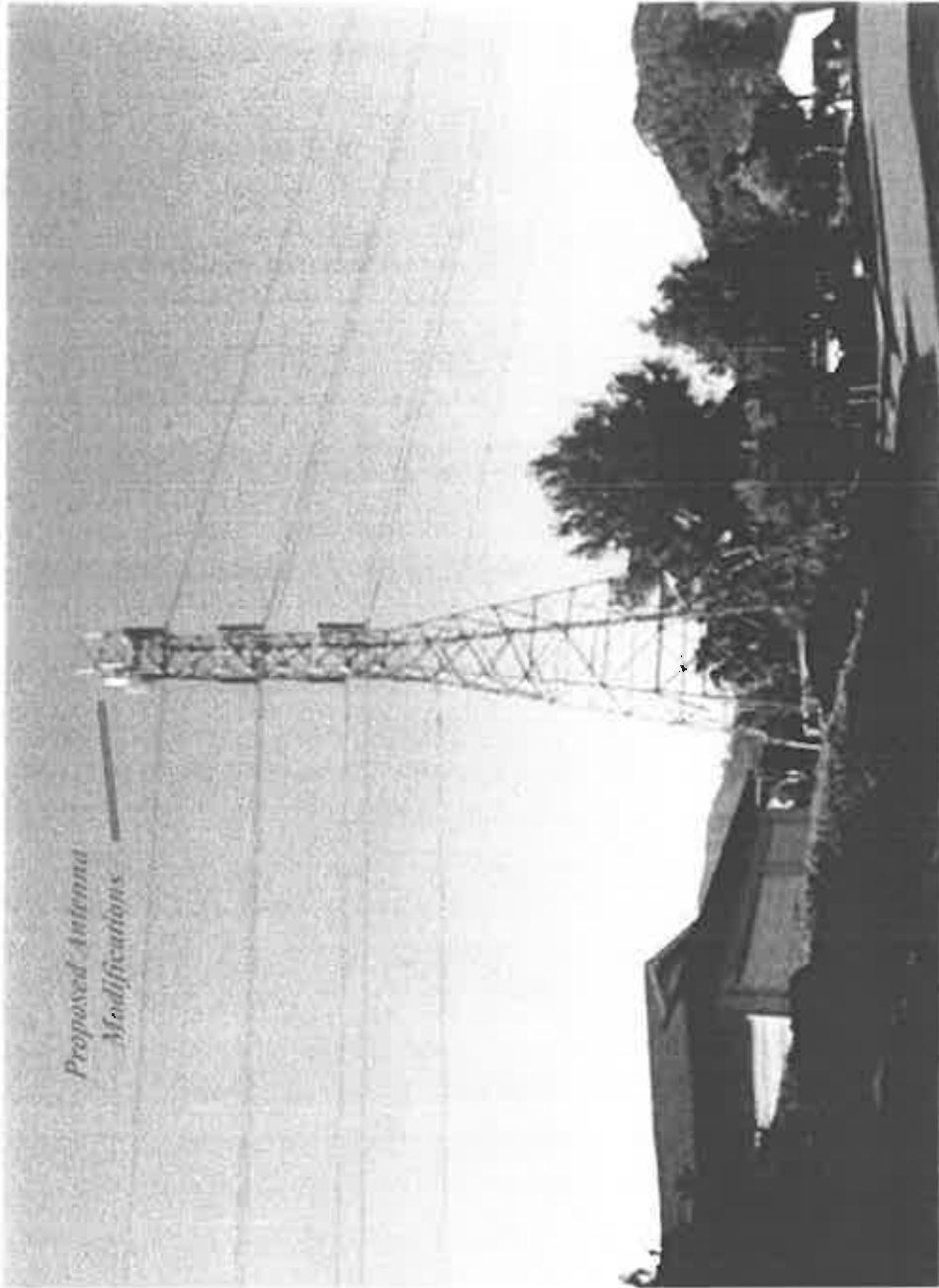
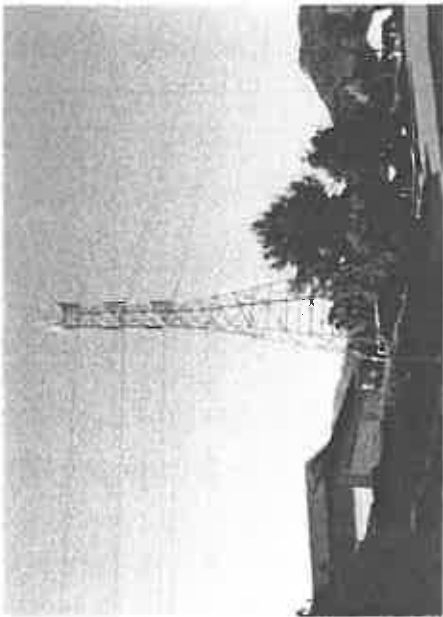
at&t
WIRELESS COMMUNICATIONS
115 SANDHILL STREET, SUITE 100
SAN FRANCISCO, CA 94134

SBC CENTRAL OFFICE
SITE NO. CCL04262/CNU04262/FA10070338
CELL SITE NO. CCL04262
CELL SITE NO. CCL04262

PROPOSED NORTHWEST ELEVATION
SCALE: 1/8" = 1'-0"

EXISTING NORTHWEST ELEVATION
SCALE: 1/8" = 1'-0"

NO.	DESCRIPTION	DATE	BY	CHECKED BY	SCALE	STATUS
1	PROPOSED NORTHWEST ELEVATION	01/13/00	W. J. B.	W. J. B.	1/8" = 1'-0"	PROPOSED
2	EXISTING NORTHWEST ELEVATION	01/13/00	W. J. B.	W. J. B.	1/8" = 1'-0"	EXISTING



Top of the Location

1991-1992

ATTACHMENT 2

View 1

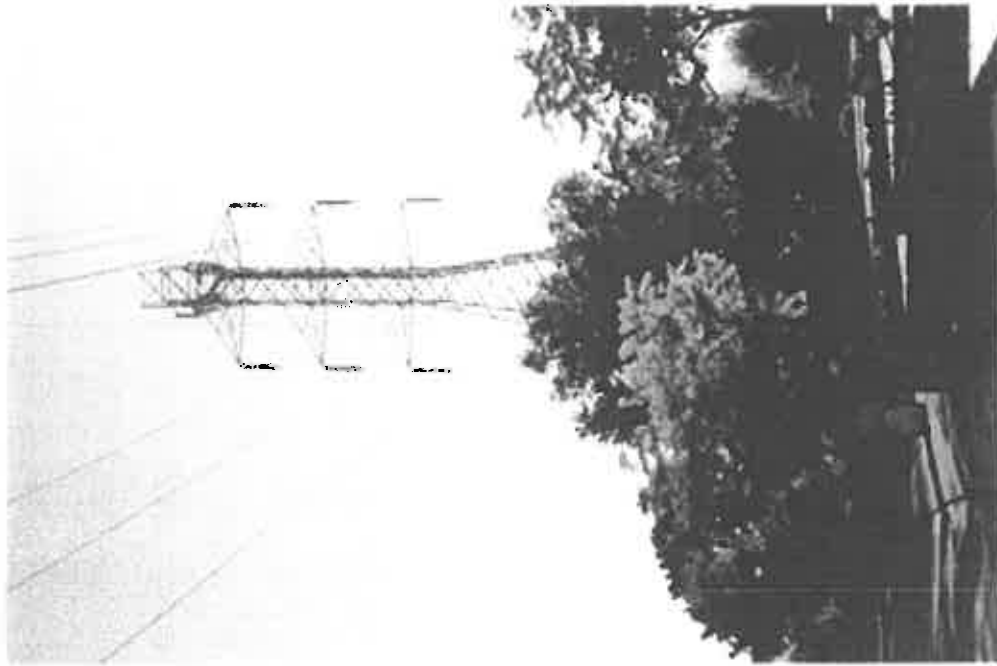
RECEIVED

TSM Group

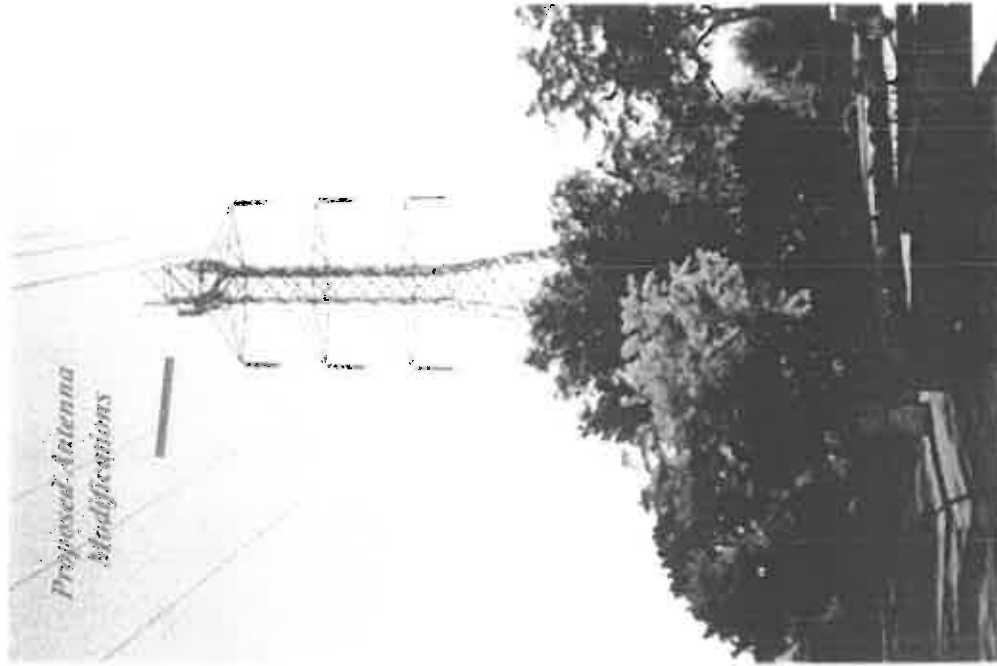
CLAYTON COMMUNITY
DEVELOPMENT DEPT

AT&T Site: CCL04262
Address: 68 Nottingham Circle
Clayton, CA. 94517





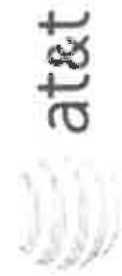
Existing View



*Proposed Antenna
Modifications*

View of Proposed Design

View 2



*AT&T Site: CCL04262
Address: 68 Nottingham Circle
Clayton, CA 94517*

TSM Group



Trillium Consulting

ATTACHMENT 3

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MAY 10 2012

CLAYTON COMMUNITY
DEVELOPMENT DEPT

AT&T LTE Modification at CCL04262 – SBC Central Office
Address: 68 Nottingham Circle, Clayton, CA
APN: 120-025-003

This letter and attached materials are to apply for a Use Permit to accomplish the proposed modifications described below at the existing AT&T telecommunications facility located 68 Nottingham Circle in Clayton. The following describes the existing site, the project description and proposed modifications, and the project purpose.

A. Project Description:

The current AT&T installation includes (6) panel antennas which are mounted to an existing PG&E lattice tower. The installation also includes a fenced equipment enclosure which contains AT&T's equipment cabinets.

A modification to an existing unmanned telecommunications facility consisting of removing all (6) existing antennas with (6) new panel antennas to be mounted at the same height of the existing antennas, installation of (6) RRU units, a surge suppressor, a proposed innerduct for fiber and DC power, (3) new equipment cabinets and (1) proposed GPS unit on the equipment compound. There will be no increase to the ground lease area. *PLEASE SEE ADDITIONAL ORDINANCE FOR PROJECT DESCRIPTION. ATTACHED TO THIS DOCUMENT 7/2/12.*

B. Project Purpose:

The purpose of this project is to upgrade the existing AT&T site to incorporate the latest generation of technology which will be implemented by AT&T's Long Term Evolution (LTE) technology system. The new technology will allow for faster wireless data transfers and overall improved wireless services to the area. These wireless services include mobile telephone service, emergency 911 services, data transfer, electronic mail, internet and web browsing, as well as video streaming. The proposed modifications will provide entirely new 5G/LTE wireless service in this area.

C. Project Justification, Design and Placement:

This site is located in a busy coverage area in Clayton in a predominantly residential area. The existing lattice tower is an ideal location for the wireless facility upgrades because a site exists in this area already and due to the predominance of residential uses that surround this area, alternative sites are limited. The proposed modifications are to provide LTE service to the surrounding coverage area. The site modification is designed to mirror the existing AT&T equipment and will have very limited visual impact on the surrounding area (as shown in the enclosed photo simulations).

D. Site Opportunities / Constraints Analysis:

I. Environmental

The AT&T wireless equipment is located on an existing PG&E lattice tower. The facility was previously approved and this application is a proposal for modifications to the equipment currently installed on the



Trillium Consulting

lattice tower and within the equipment enclosure. There is no proposed expansion to the ground enclosure so there will be no new ground coverage associated with the site nor will there be neither disturbance to existing trees nor impacts to the soils or drainage on the site.

II. Existing Improvements:

The PG&E lattice tower is currently installed on the property along with the existing fenced equipment enclosure which is located in the lattice tower footprint. Please refer to plan set for exact dimensions of the equipment enclosure as well as power lines.

III. Easements:

There is an existing PG&E easement that is located on the property. The easement is approximately 80 feet wide.

Included with this zoning submittal are the following materials:

1. Completed General permit application
2. Completed Use Permit Application
3. Letter of Authorization from the Property Owner
4. Filing fee
5. (7) full sized and (1) reduced plan sets.
6. Photo simulations
7. A radio-frequency report explaining the impact of the proposed modifications.

Please feel free to contact me if you have any questions.

Regards,

Valerie Tallerico
Trillium Consulting for AT&T
714-414-5618
vtallerico@trilliumcos.com

Hi Milan,

I would like to add the following wording to the project description for the AT&T Use Permit (UP 01-12) request for the wireless communications facility project located at 68 Nottingham Circle:

The project modifications will not increase the noise generated from the project site and will be in compliance with the Clayton General Plan Noise Element which includes the Objective to "provide control of fixed point sources" as stated in Objective 3 with supporting Policies that require a maximum allowance of 55 Ldn at the property line.

Thanks,

Vaerie Tallerico, LEED AP

Land Use Planner

Trillium Consulting

Phone: 714-414-5618

Fax: 925-397-3009

FILE COPY

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

Prepared for:
AT&T Mobility, LLC
c/o Bechtel Communications
2633 Camino Ramon
San Ramon, CA 94583



USID # 102133
Site No. CCL04262
SBC Central Office
68 Nottingham Circle
Clayton, California 94517
Contra Costa County
37.942180; -121.943460 NAD83
Lattice Tower

EBI Project No. 62120770
April 23, 2012

EBI
CONSULTING
Creating Value for Your Business

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MAY 10 2012

**CLAYTON COMMUNITY
DEVELOPMENT DEPT**

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2.0 FEDERAL COMMUNICATIONS COMMISSION (FCC) REQUIREMENTS	3
3.0 AT&T RF EXPOSURE POLICY REQUIREMENTS	5
4.0 WORST-CASE PREDICTIVE MODELING.....	5
5.0 RECOMMENDED SIGNAGE/COMPLIANCE PLAN	7
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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 CCL04262 located at 68 Nottingham Circle in Clayton, 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: Responsibilities, Procedures & Guidelines document, dated December 9, 2011, 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 guidance document, dated December 9, 2011, 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 December 9, 2011. The following signage is recommended at this site:

- Green INFO 1 sign posted at the base of the tower at the climbing ladder.
- Yellow CAUTION sign posted at the base of the tower at the climbing ladder.

The signage proposed for installation at this site complies with AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document and therefore complies with FCC and OSHA requirements. Barriers are not recommended on 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 six (6) wireless telecommunication antennas on a lattice tower in Clayton, California. There are three Sectors (A, B, and C) proposed at the site, with two (2) antennas that may be installed per sector. In each sector, there is proposed to be one (1) LTE antenna transmitting in the 700 MHz frequency range and one (1) antenna transmitting in the GSM 850 MHz, GSM 1900 MHz, two bands of the UMTS 850 MHz and two bands of the UMTS 1900 MHz frequency ranges. The Sector A antennas will be oriented 20° from true north. The Sector B antennas will be oriented 280° from true north. The Sector C antennas will be oriented 140° from true north. The bottoms of the antennas will be 113.9 feet above ground level. Appendix B presents an antenna inventory for the site.

Access to this site is accomplished by approaching the unsecured lattice tower at ground level. 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 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.

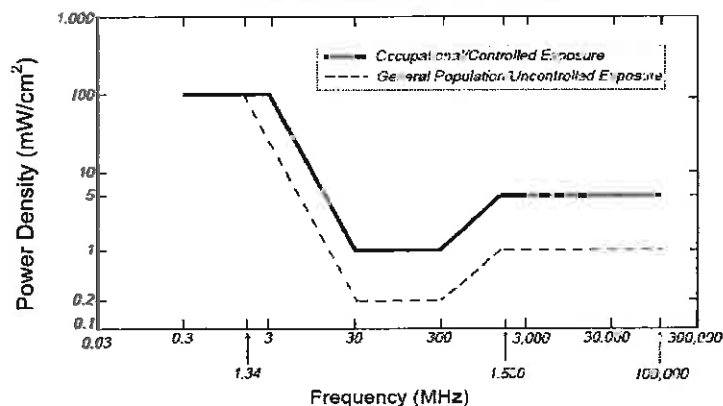
The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm²). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm²) and an uncontrolled MPE of 1 mW/cm² for equipment operating in the 1900 MHz frequency range. For the 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. For the AT&T equipment operating at 700 MHz, the FCC's occupational MPE is 2.33 mW/cm² and an uncontrolled MPE of 0.47 mW/cm². 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 700-1900 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-sight 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: Responsibilities, Procedures & Guidelines document, dated December 9, 2011, 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. MetroPCS also has antennas on the lattice tower. 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 4.90 percent of the FCC's general public limit (0.98 percent of the FCC's occupational limit). The composite exposure level from all carriers on this site is approximately 5.20 percent of the FCC's general public limit (1.04 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.

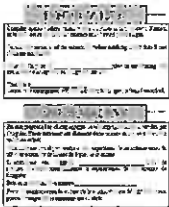
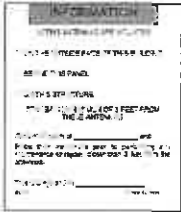
The inputs used in the modeling are summarized in the RoofView® export file presented in Appendix C. A graphical representation of the RoofView® modeling results is presented in Appendix D. It should be noted that RoofView® is not suitable for modeling microwave dish antennas; however, these units are designed for point-to-point operations at the elevations of the installed equipment rather than ground-level coverage. Based on AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document, dated December 9, 2011, microwave antennas are considered compliant if they are higher than 20 feet above any accessible walking/working surface. There are no microwaves installed at this site.

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: Responsibilities, Procedures & Guidelines document, dated December 9, 2011, and additional guidance provided by AT&T, the following signage is recommended on the site:

Recommended Signage:

- Green INFO i sign posted at the base of the tower at the climbing ladder.
- Yellow CAUTION sign posted at the base of the tower at the climbing ladder.

No barriers are required for this site. Barriers may consist of rope, chain, or fencing. Painted stripes should only be used as a last resort. If painted stripes are selected as barriers, it is recommended that the stripes and signage be illuminated. 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 68 Nottingham Circle in Clayton, 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, 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.

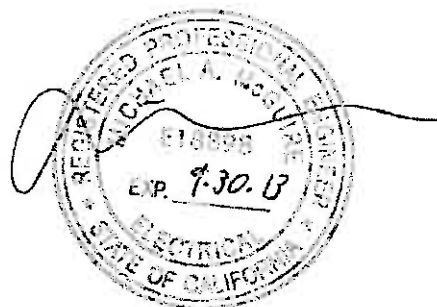
7.0 LIMITATIONS

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:



sealed 23april2012

Michael McGuire
Electrical 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, Jos Schorr, 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: Responsibilities, Procedures & Guidelines document (dated 12/09/11) 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 (feet)	Horizontal Beamwidth (Deg.)	X	Y	Z
ATT A1	AT&T	Panel	LTE 700	662	11.9	Powerwave P65-15-XLH-RR	20	4.25	73	37	43	113.9
ATT A2	AT&T	Panel	UMTS 850	442	12.6	dB Spectra SPD2P6515XLH	20	4.29	63	35	44	113.9
ATT A2	AT&T	Panel	UMTS 1900	624	14.6	dB Spectra SPD2P6515XLH	20	4.29	61	35	44	113.9
ATT A2	AT&T	Panel	UMTS 850	442	12.6	dB Spectra SPD2P6515XLH	20	4.29	63	35	44	113.9
ATT A2	AT&T	Panel	UMTS 1900	588	14.6	dB Spectra SPD2P6515XLH	20	4.29	61	35	44	113.9
ATT A2	AT&T	Panel	GSM 850	1112	12.6	dB Spectra SPD2P6515XLH	20	4.29	63	35	44	113.9
ATT A2	AT&T	Panel	GSM 1900	1112	14.6	dB Spectra SPD2P6515XLH	20	4.29	61	35	44	113.9
ATT B1	AT&T	Panel	LTE 700	662	11.9	Powerwave P65-15-XLH-RR	280	4.25	73	30	42	113.9
ATT B2	AT&T	Panel	UMTS 850	442	12.6	dB Spectra SPD2P6515XLH	280	4.29	63	29	40	113.9
ATT B2	AT&T	Panel	UMTS 1900	624	14.6	dB Spectra SPD2P6515XLH	280	4.29	61	29	40	113.9
ATT B2	AT&T	Panel	UMTS 850	442	12.6	dB Spectra SPD2P6515XLH	280	4.29	63	29	40	113.9
ATT B2	AT&T	Panel	UMTS 1900	581	14.6	dB Spectra SPD2P6515XLH	280	4.29	61	29	40	113.9
ATT B2	AT&T	Panel	GSM 850	1112	12.6	dB Spectra SPD2P6515XLH	280	4.29	63	29	40	113.9
ATT B2	AT&T	Panel	GSM 1900	1112	14.6	dB Spectra SPD2P6515XLH	280	4.29	61	29	40	113.9
ATT C1	AT&T	Panel	LTE 700	662	11.9	Powerwave P65-15-XLH-RR	140	4.25	73	38	36	113.9
ATT C2	AT&T	Panel	UMTS 850	442	12.6	dB Spectra SPD2P6515XLH	140	4.29	63	40	37	113.9

Antenna Number	Operator	Antenna Type	TX Freq (MHz)	ERP (Watts)	Gain (dBd)	Model	Azimuth (deg.)	Length (feet)	Horizontal Beamwidth (Deg.)	X	Y	Z
ATT C2	AT&T	Panel	UMTS 1900	624	14.6	dB Spectra SPD2P6515XLH	140	4.29	61	40	37	113.9
ATT C2	AT&T	Panel	UMTS 850	442	12.6	dB Spectra SPD2P6515XLH	140	4.29	63	40	37	113.9
ATT C2	AT&T	Panel	UMTS 1900	581	14.6	dB Spectra SPD2P6515XLH	140	4.29	61	40	37	113.9
ATT C2	AT&T	Panel	GSM 850	1112	12.6	dB Spectra SPD2P6515XLH	140	4.29	63	40	37	113.9
ATT C2	AT&T	Panel	GSM 1900	1112	14.6	dB Spectra SPD2P6515XLH	140	4.29	61	40	37	113.9
MET A1	MetroPCS	Panel	800	243	16	Unknown	20	6	85	36	44	122
MET A1	MetroPCS	Panel	1900	1460	16	Unknown	20	6	85	36	44	122
MET B1	MetroPCS	Panel	800	243	16	Unknown	280	6	85	30	41	122
MET B1	MetroPCS	Panel	1900	1460	16	Unknown	280	6	85	30	41	122
MET C1	MetroPCS	Panel	800	243	16	Unknown	140	6	85	39	36	122
MET C1	MetroPCS	Panel	1900	1460	16	Unknown	140	6	85	39	36	122

1. Note that EBI uses an assumed set of antenna specifications and powers for unknown and other carrier antennas for modeling purposes.
2. Note there are only 2 AT&T antennas per sector at this site. For clarity, the different frequencies for each antenna are entered on different lines.

Appendix C

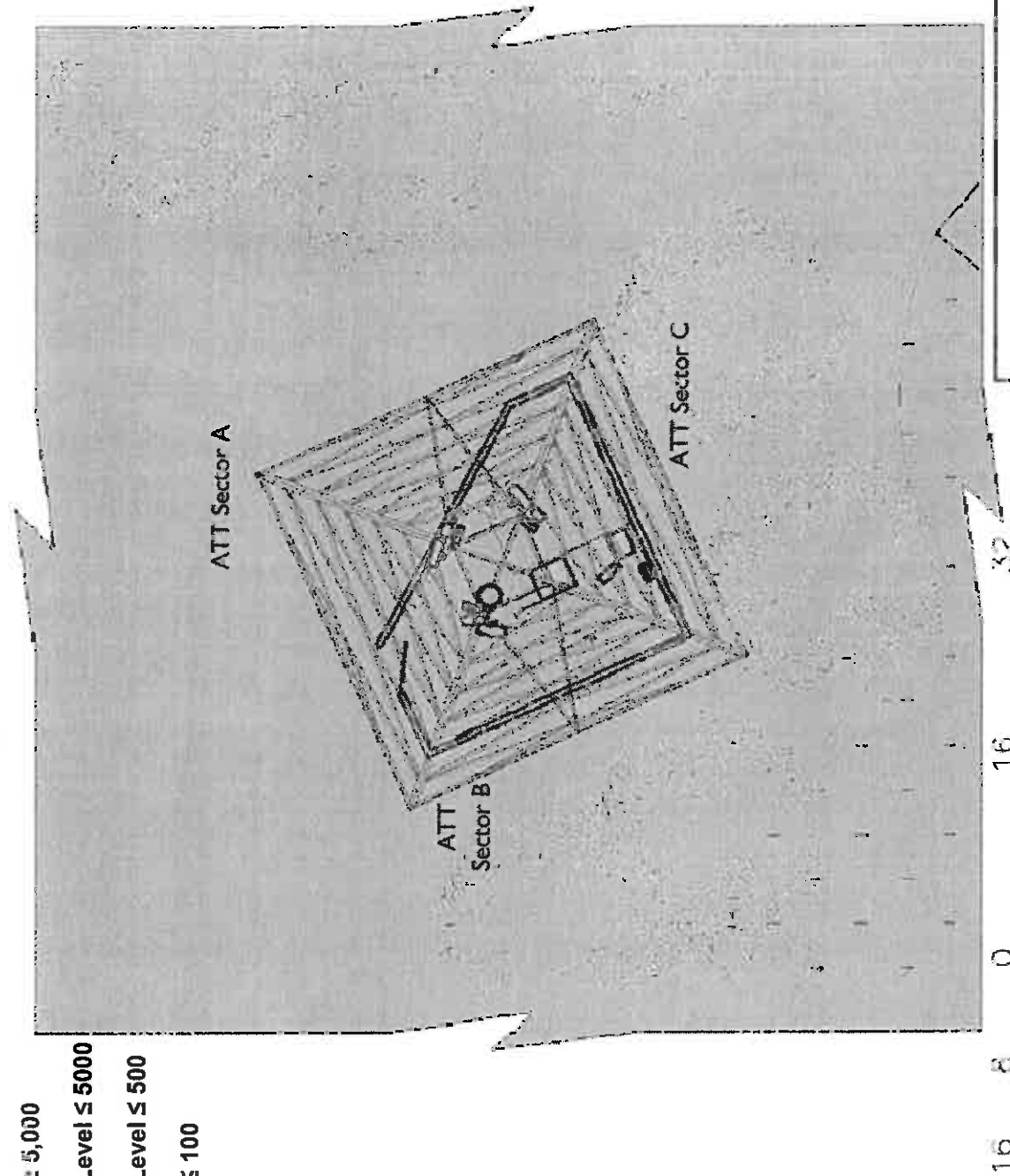
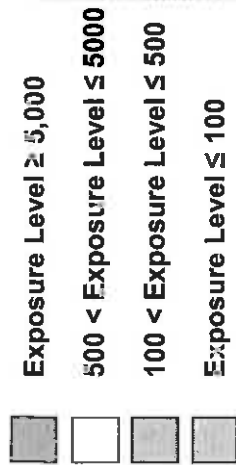
Roofview® Export File

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Appendix D

Roofview ® Graphics

% of FCC Public Exposure Limit



*For Clarity, Other Carrier Antennas are Not Shown.

 ATT Antenna

Figure 1.

Roofview: Composite Exposure Levels

Facility Operator: AT&T Mobility

Site Name: SBC Central Office

AT&T Site Number: CCL04262

USID Number: 102133

Report Date: 04-23-12



% of FCC Public Exposure Limit

- Exposure Level >5
- Exposure Level ≤ 5

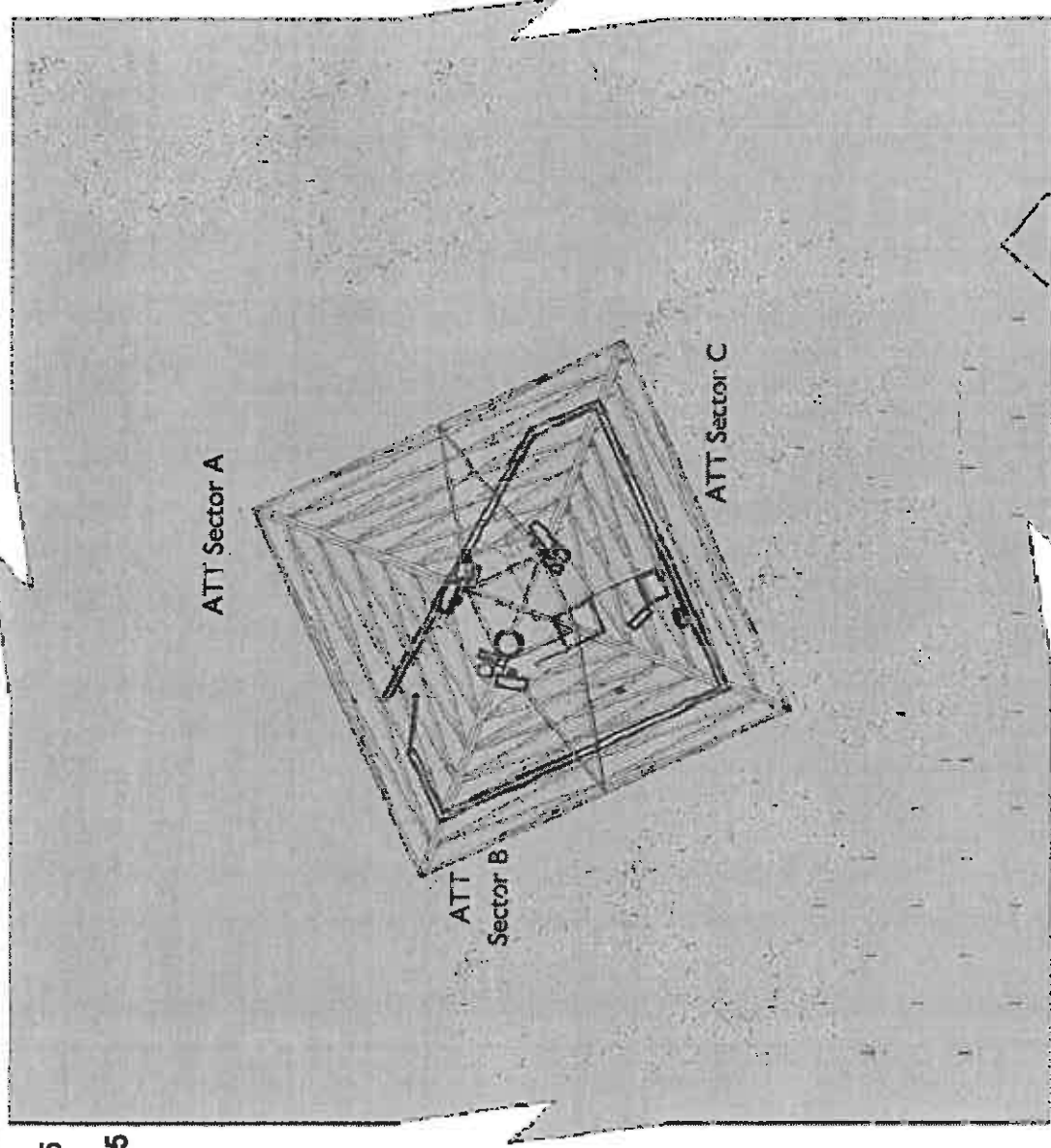
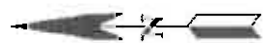


Figure 2.

Roofview: AT&T Exposure Levels

Facility Operator: AT&T Mobility

Site Name: SBC Central Office

AT&T Site Number: CCL04262

USID Number: 102133

Report Date: 04-23-12



Note that the areas shown in brown are where AT&T antennas contribute more than 5% of the FCC's general exposure RF limit. These do not overlap any areas in front of other carrier antennas exceeding the FCC's general exposure RF limit because there are no other carriers as shown in Figure 1. Under FCC regulations, AT&T is therefore not responsible for any predicted exceedances of another carrier's antennas.

*For Clarity, Other Carrier Antennas are Not Shown.

AT&T Antennas

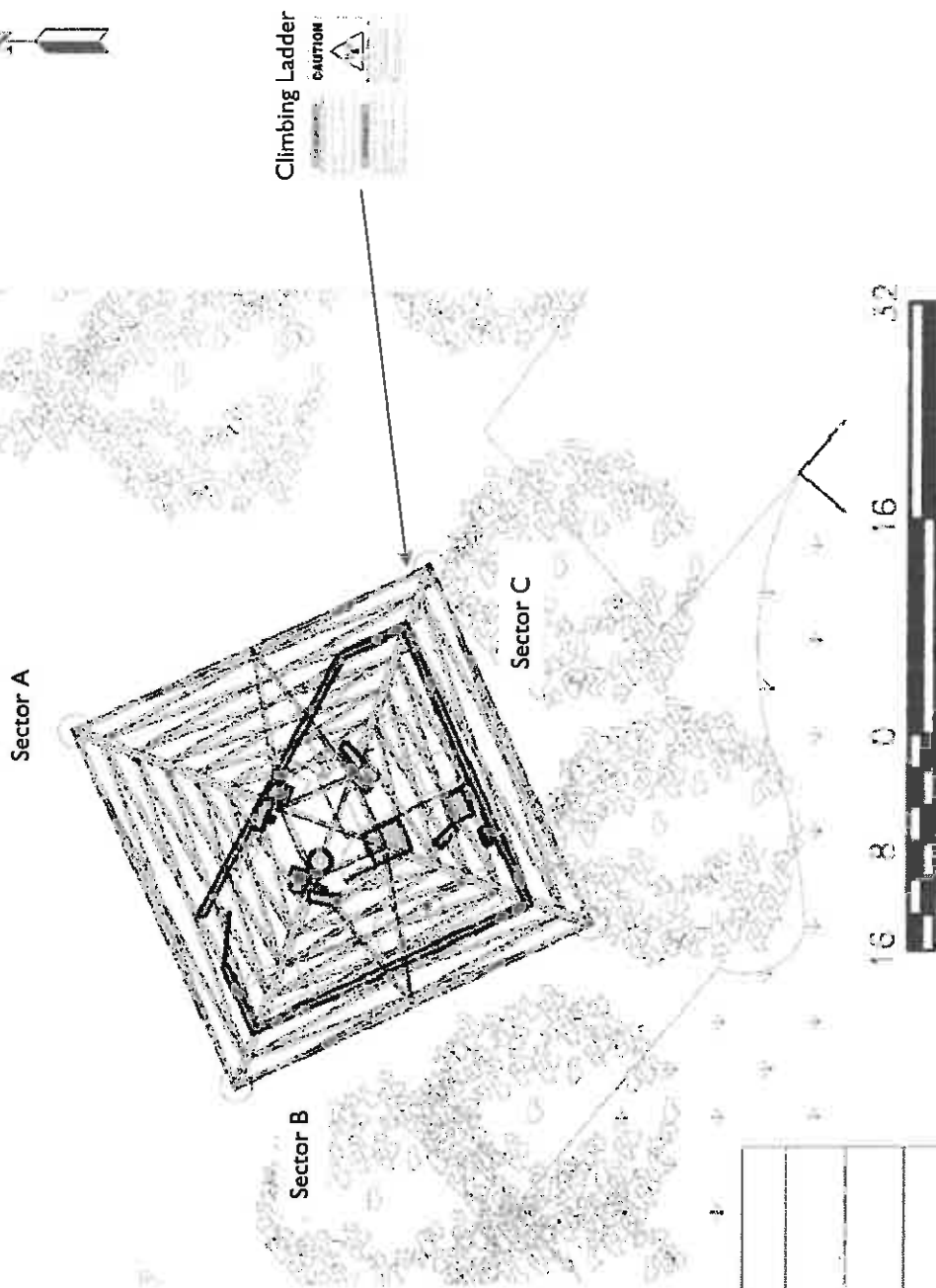


Appendix E

Compliance/Signage Plan



*For Clarity, Other
Carrier Antennas
are Not Shown.



Sign Identification Legend	
	Contains AT&T Antenna symbol 1
	Contains AT&T Antenna symbol 2
	Contains AT&T Antenna symbol 3
	Contains AT&T Antenna symbol 4
	Contains AT&T NOTICE Sign
	Contains AT&T CAUTION Sign
	Contains AT&T WARNING Sign

Compliance/Signage Plan
Facility Operator: AT&T Mobility
Site Name: SBC Central Office
AT&T Site Number: CCL04262
USID Number: 102133
Report Date: 04-23-12



