

PLANNING COMMISSION

Agenda Item No.: 6.1
Date: June 11, 2013

CASE NUMBER: PHG 13-0013
APPLICANT: M&M Telecom (for AT&T)
LOCATION: Lot G-G-1 of Tract No. 683, Woodland Heights Glen (APN 187-720-23)
TYPE OF PROJECT: Conditional Use Permit

PROJECT DESCRIPTION: A Conditional Use Permit to replace a 35-foot-high wireless communication facility designed to resemble a tree with a new 35-foot-high simulated pine tree in order to accommodate twelve, eight-foot-high panel antennas.

STAFF RECOMMENDATION: Approval

GENERAL PLAN DESIGNATION/TIER: SPA #1

ZONING: SP-Palos Vista Specific Plan

BACKGROUND/SUMMARY OF ISSUES

An Amendment to the Palos Vista Specific Plan originally was approved by the City Council in 2006 (City File No. 2006-20-SPA) to construct the existing 35-foot-high AT&T wireless communication facility on an approximately 67+-acre open-space lot within the 979-acre Palos Vista Specific Plan (SP 87-01, known as Escondido Highlands). The existing simulated broadleaf tree was designed to accommodate up to six, six-foot-high panel antennas. An amendment to the Specific Plan was approved in January 2012 by the City Council (File No. PHG 11-0010) to remove the existing simulated broad-leaf trees facility and construct a new 35-foot-high simulated pine tree (40 feet to top of branches) to accommodate up to twelve, eight-foot-high panel antennas and associated radio equipment. Any additional electrical equipment would be located within the existing masonry block equipment enclosure. The additional antennas are requested to support AT&T's new 4G network. The applicant submitted building plans to construct the facility, but due to internal company issues the permits were never finalized and the building plans and Specific Plan Amendment subsequently expired.

Subsequent to the previous AT&T project in 2011, the Palos Vista Specific Plan was amended to allow wireless facilities through the Conditional Use Permit process rather than the more lengthy amendment process to the Specific Plan. Therefore, AT&T has submitted this request for a Conditional Use Permit to replace the existing simulated broadleaf tree with a new simulated pine tree as previously approved. The site currently contains several other wireless communication facilities including Sprint, Nextel, Cricket and T-Mobile.

LEGAL REQUIREMENTS: In 1996, the U.S. Congress added a section to the Communications Act of 1934 to promote the expansion of personal wireless communications service, adding section 332(c)(7). This section preserves local zoning authority over the "placement, construction, and modification" of wireless facilities, while imposing certain federal requirements. Specifically, Section 332(c)(7) requires that state or local government decisions regarding wireless service facilities must not: 1) unreasonably discriminate between one cellular provider and another; or 2) prohibit or have the effect of prohibiting the provision of personal wireless services; or 3) be founded on "the environmental effects of radio frequency (RF) emissions *to the extent that such facilities comply* with the FCC's regulations" (emphasis added).

In summary, once the Commission is satisfied the project's RF emissions are within the federal thresholds, then the review must be based on otherwise applicable local zoning criteria. A denial of a proposed facility must not run afoul of the federal restrictions set forth as 1), 2) and 3) above.

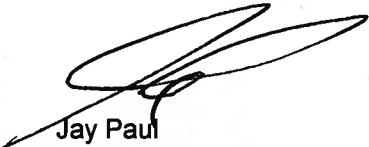
Staff feels that the issues are as follow:

1. Whether the design and location of the proposed facility is appropriate for the site and consistent with the Wireless Facility Guidelines.

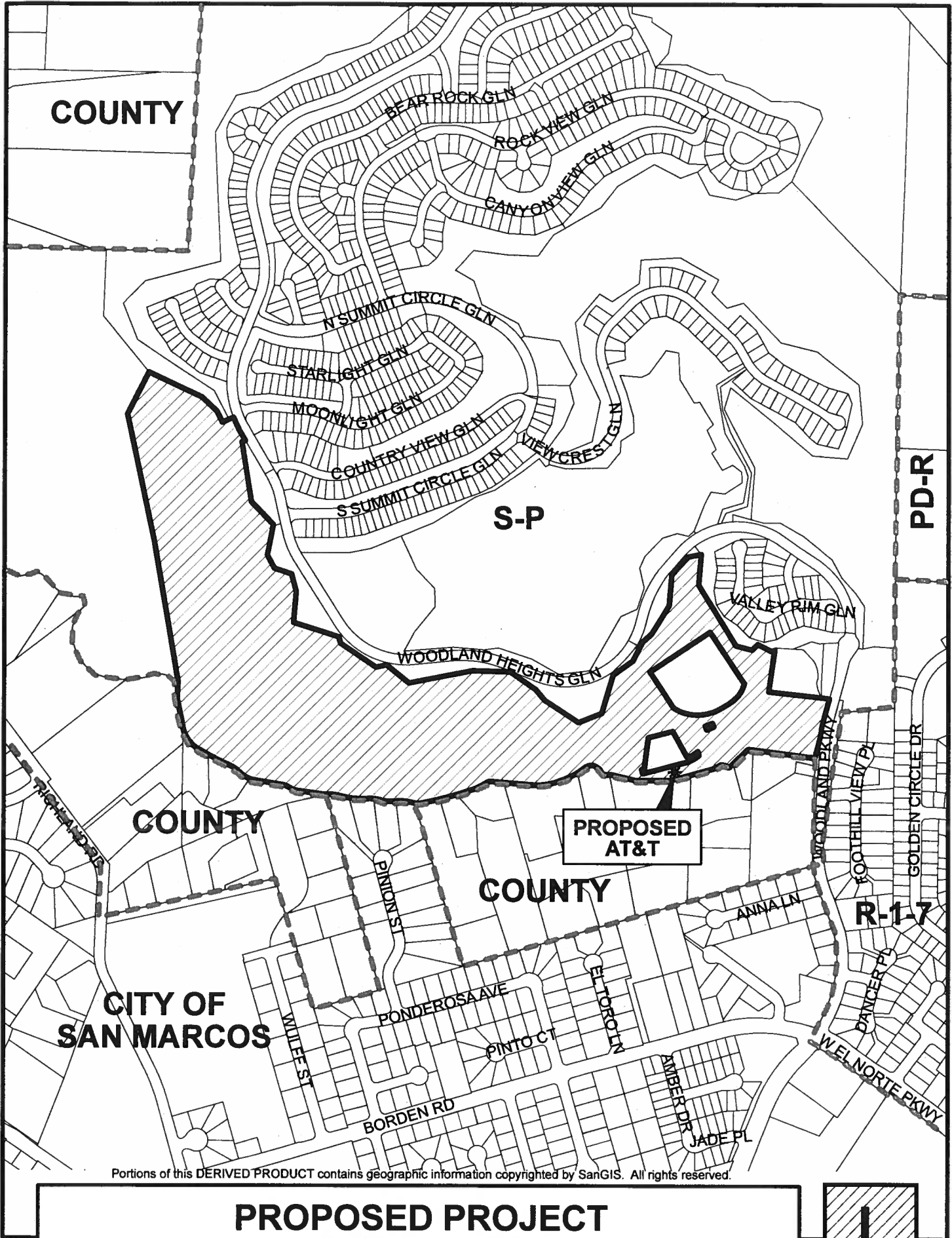
REASONS FOR STAFF RECOMMENDATION

1. The proposed facility would be consistent with the Communication Antennas Ordinance since the antennas would be incorporated into a simulated tree, which is a stealthy design and would be in context with the surrounding open space setting and other simulated trees on the site. The facility would not result in any adverse individual or cumulative visual impacts; is located on a large open-space lot; blends in with the surrounding built environment; and would be in conformance with FCC emission standards.
2. Staff feels the proposed facility would not result in potential health hazards to nearby residents since the Radio Frequency (RF) study prepared for the proposed project indicates the facility would be within maximum permissible exposure (MPE) limits and Federal Communication Commission (FCC) standards.

Respectfully submitted,



Jay Paul
Associate Planner



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**PROPOSED PROJECT
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LOCATION/ZONING

COUNTY

R1

SPA 1

COUNTY

COUNTY

PROPOSED AT&T

CITY OF SAN MARCOS

U1

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**PROPOSED PROJECT
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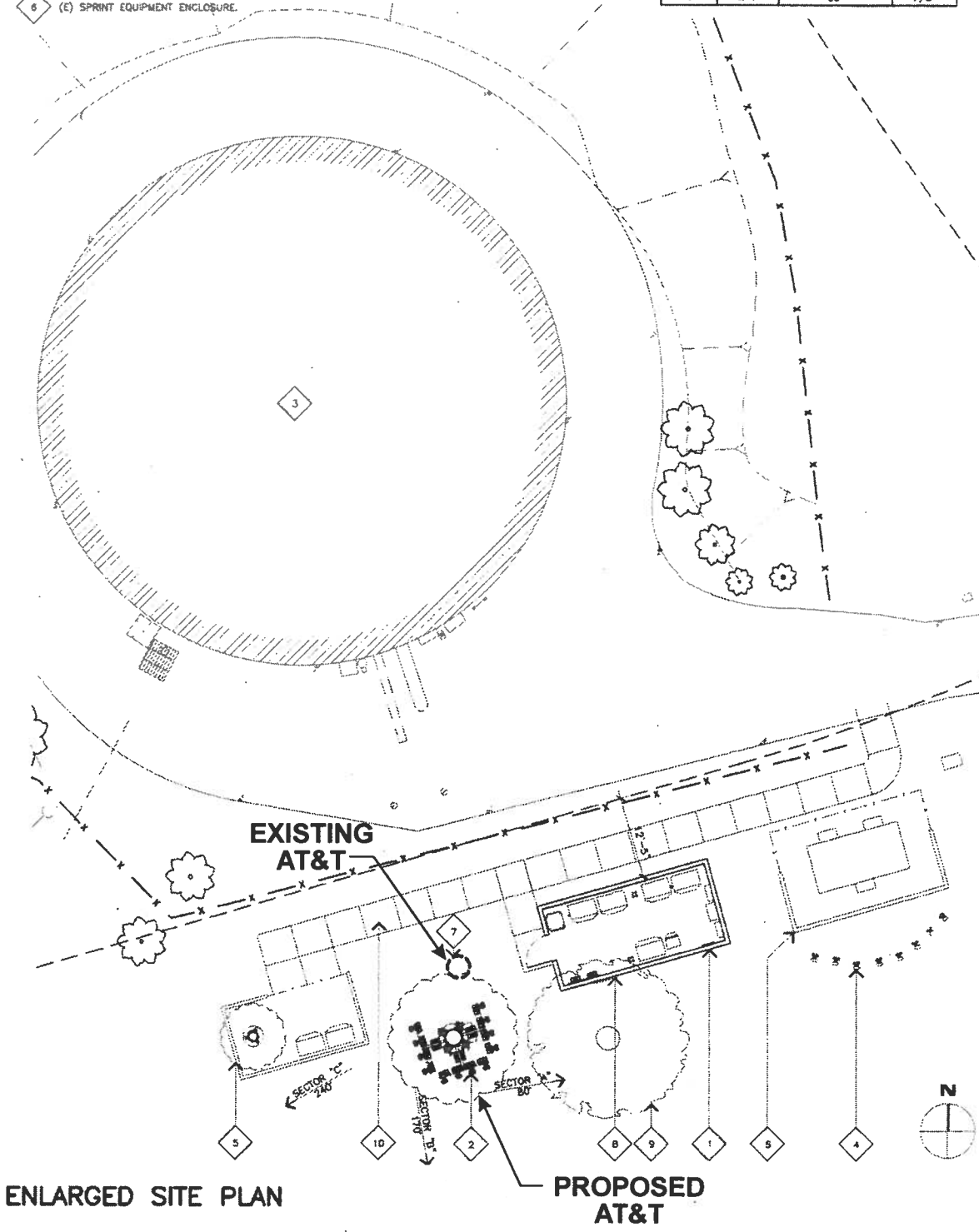
GENERAL PLAN

ENLARGED SITE PLAN KEYNOTES

- 1 (E) AT&T EQUIPMENT ENCLOSURE; SEE SHEET A-1.
- 2 (N) AT&T ANTENNAS MOUNTED ON (N) MONOPINE.
- 3 (E) WATER TANK.
- 4 (E) SPRINT ANTENNAS ON STEEL PIPES.
- 5 (E) CRICKET EQUIPMENT ENCLOSURE.
- 6 (E) SPRINT EQUIPMENT ENCLOSURE.
- 7 (E) MONDBROADLEAF; TO BE REMOVED.
- 8 (N) SIGN DURING CONSTRUCTION STATES: NONE OF THE NATURAL HABITAT IS TO BE DISTURBED.
- 9 (E) PEPPER TREE; NOT TO BE TRIMMED.
- 10 (E) CONCRETE WALK.

ANTENNA COAXIAL CABLE SCHEDULE

SECTOR	AZIMUTH	COAX CABLE LENGTH	COAX SIZE
A	80°	52'	7/8"
B	170°	52'	7/8"
C	240°	52'	7/8"



ENLARGED SITE PLAN

PROPOSED AT&T

**PROPOSED PROJECT
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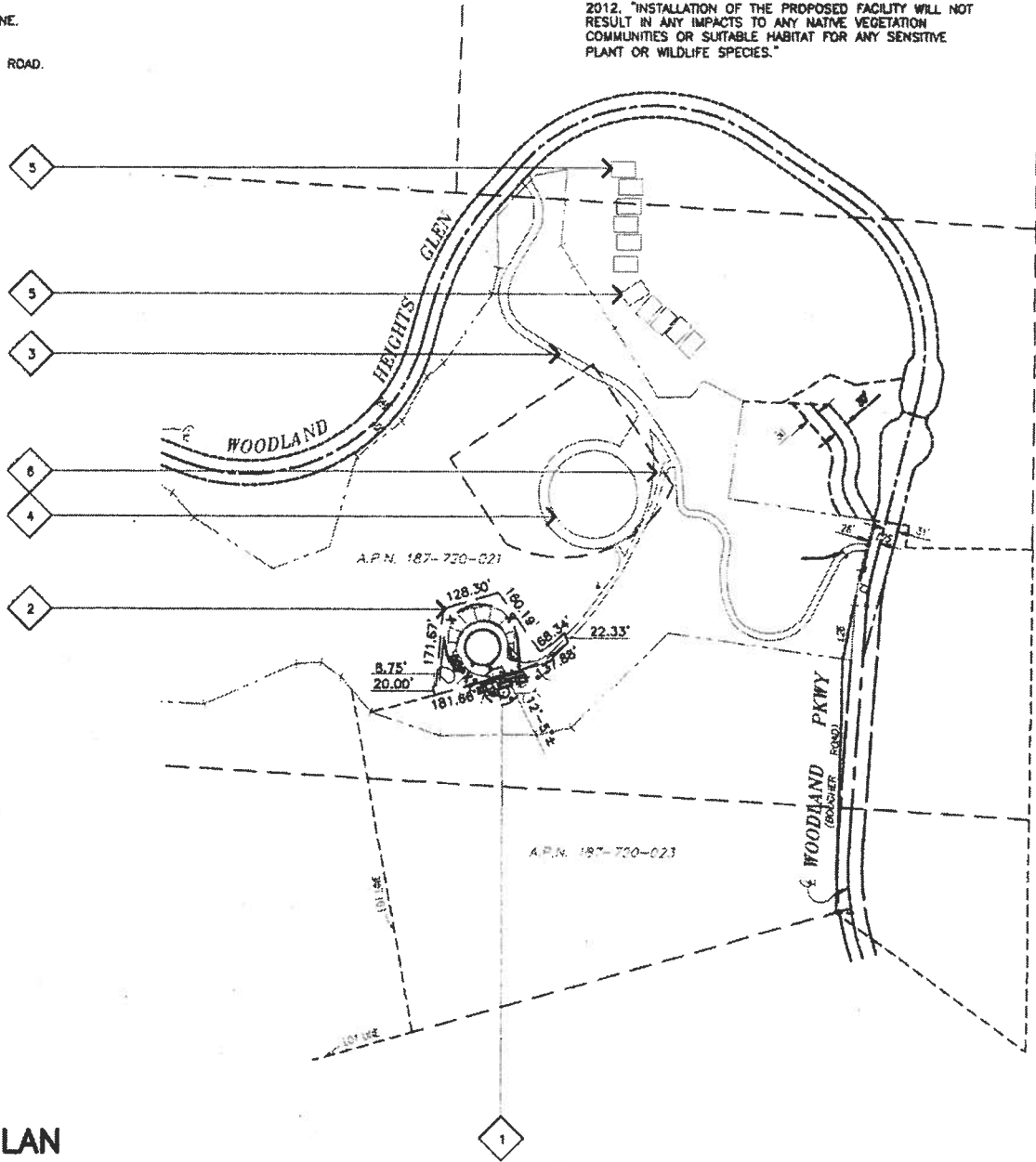
SITE PLAN

SITE PLAN KEYNOTES

- 1 (E) AT&T LEASE AREA.
- 2 (E) PROPERTY LINE.
- 3 ASPHALT ACCESS ROAD.
- 4 WATER TANK.
- 5 RESIDENTIAL.
- 6 GATE.

NOTES:

1. NONE OF THE NATURAL HABITAT IS TO BE DISTURBED.
2. EXISTING PEPPER TREE IS NOT TO BE TRIMMED.
3. PER ACE ENVIRONMENTAL, BIOLOGICAL EVALUATION JULY 4, 2012, "INSTALLATION OF THE PROPOSED FACILITY WILL NOT RESULT IN ANY IMPACTS TO ANY NATIVE VEGETATION COMMUNITIES OR SUITABLE HABITAT FOR ANY SENSITIVE PLANT OR WILDLIFE SPECIES."



SITE PLAN

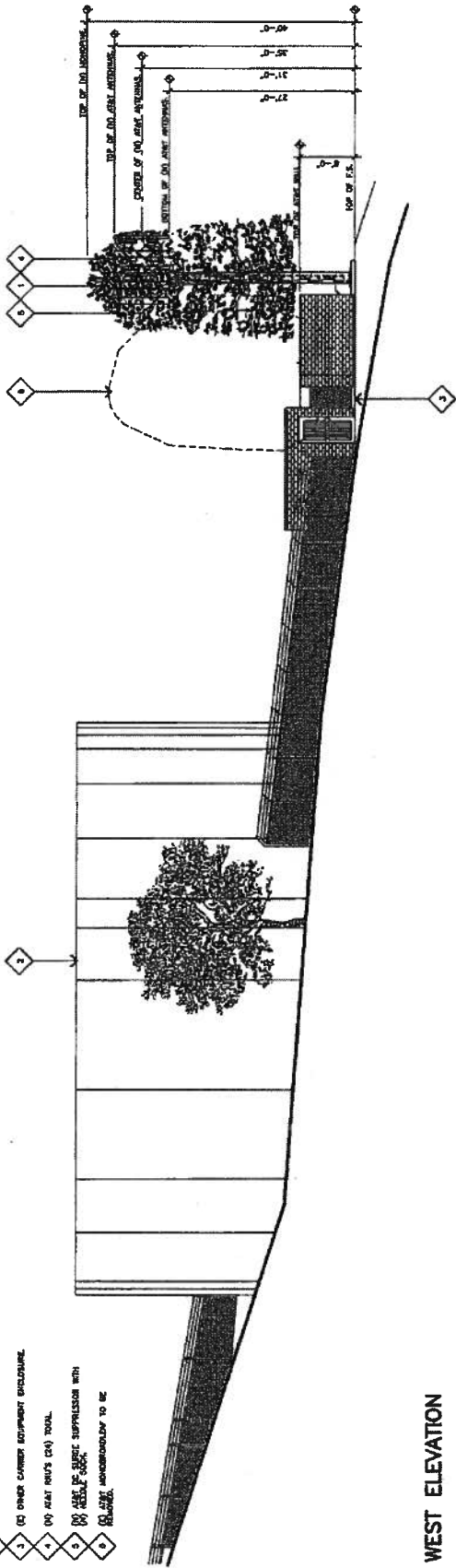
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SITE PLAN

ELEVATION KEYNOTES

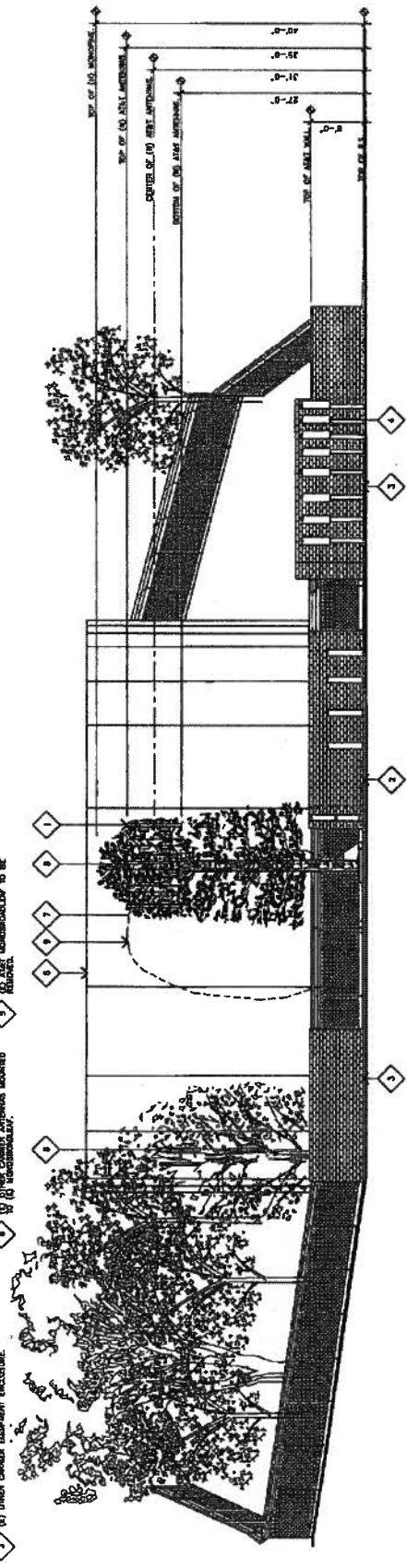
- 1 (1) SHALL BE AS SHOWN WITH (1) METELE SOCK
- 2 (2) WITH TANK
- 3 (3) OTHER CURRENT EQUIPMENT ENCLOSURE
- 4 (4) AS SHOWN WITH (4) TANK
- 5 (5) AS SHOWN WITH (5) METELE SOCK
- 6 (6) AS SHOWN WITH (6) METELE SOCK



WEST ELEVATION

ELEVATION KEYNOTES

- 1 (1) AS SHOWN WITH (1) METELE SOCK
- 2 (2) WITH TANK
- 3 (3) OTHER CURRENT EQUIPMENT ENCLOSURE
- 4 (4) AS SHOWN WITH (4) TANK
- 5 (5) AS SHOWN WITH (5) METELE SOCK
- 6 (6) AS SHOWN WITH (6) METELE SOCK



SOUTH ELEVATION

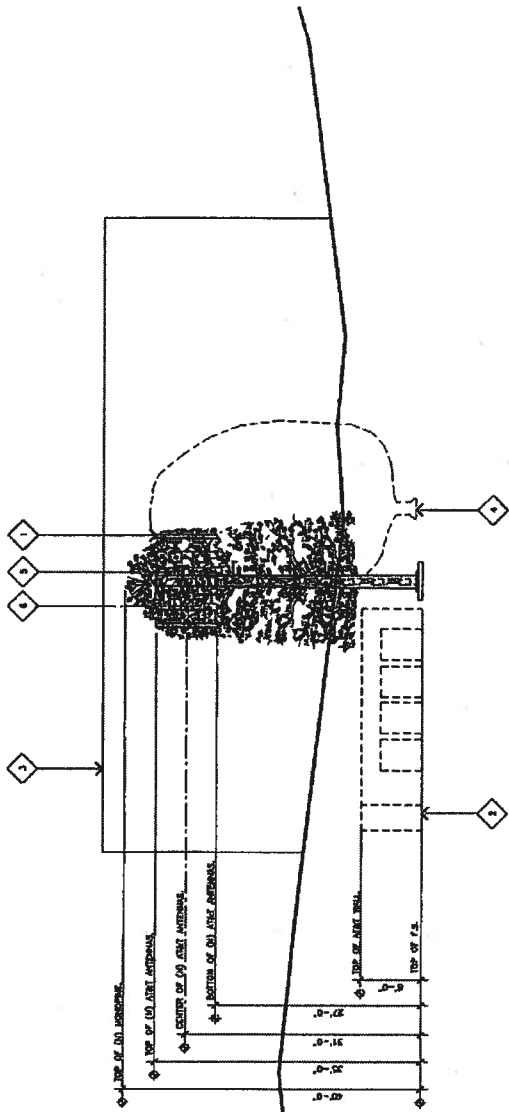
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ELEVATIONS

ELEVATION KEYNOTES

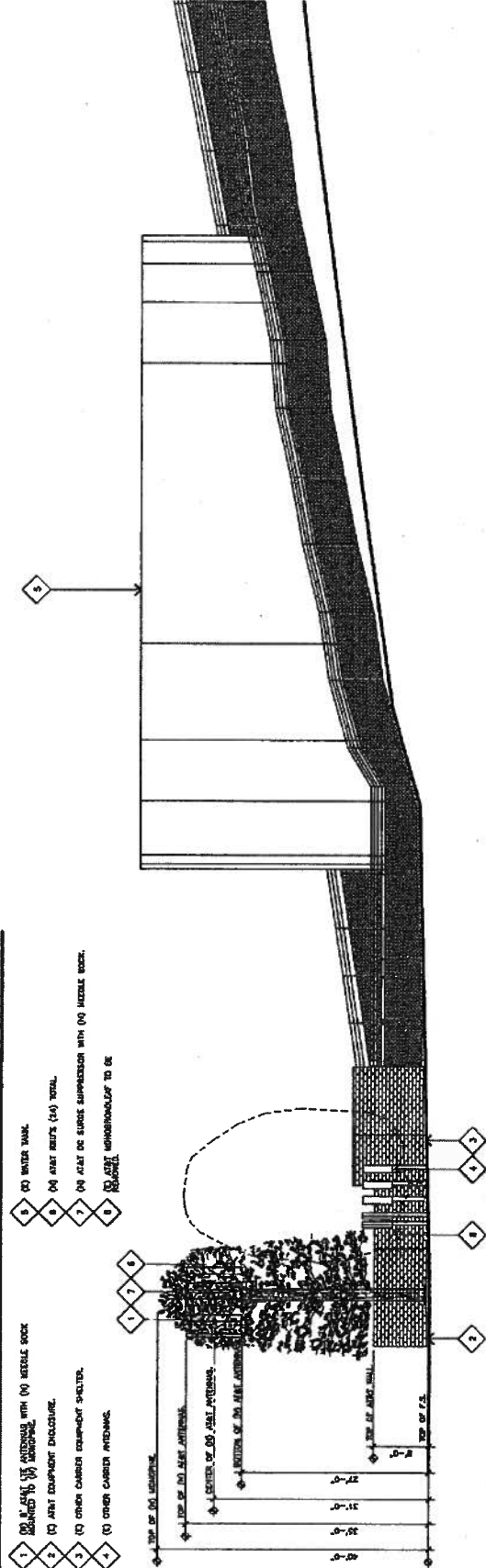
- 1 (N) 8' X 16' US ANTENNAS WITH (N) MIDDLE BACK REMOVED TO (N) MINOR
- 2 (O) AERIAL EQUIPMENT ENCLOSURE
- 3 (O) WATER TANK
- 4 (N) AERIAL MOUNTING/STAY TO BE REMOVED
- 5 (N) AERIAL RAYS (2x) TOTAL
- 6 (N) AERIAL OF SURGE SUPPRESSOR WITH (N) MIDDLE BACK



NORTH ELEVATION

ELEVATION KEYNOTES

- 1 (O) 8' X 16' US ANTENNAS WITH (O) MIDDLE BACK REMOVED TO (O) MINOR
- 2 (O) AERIAL EQUIPMENT ENCLOSURE
- 3 (O) OTHER CARRIER EQUIPMENT SITED
- 4 (O) OTHER CARRIER ANTENNAS
- 5 (O) WATER TANK
- 6 (O) AERIAL RAYS (2x) TOTAL
- 7 (O) AERIAL OF SURGE SUPPRESSOR WITH (O) MIDDLE BACK
- 8 (O) AERIAL MOUNTING/STAY TO BE REMOVED



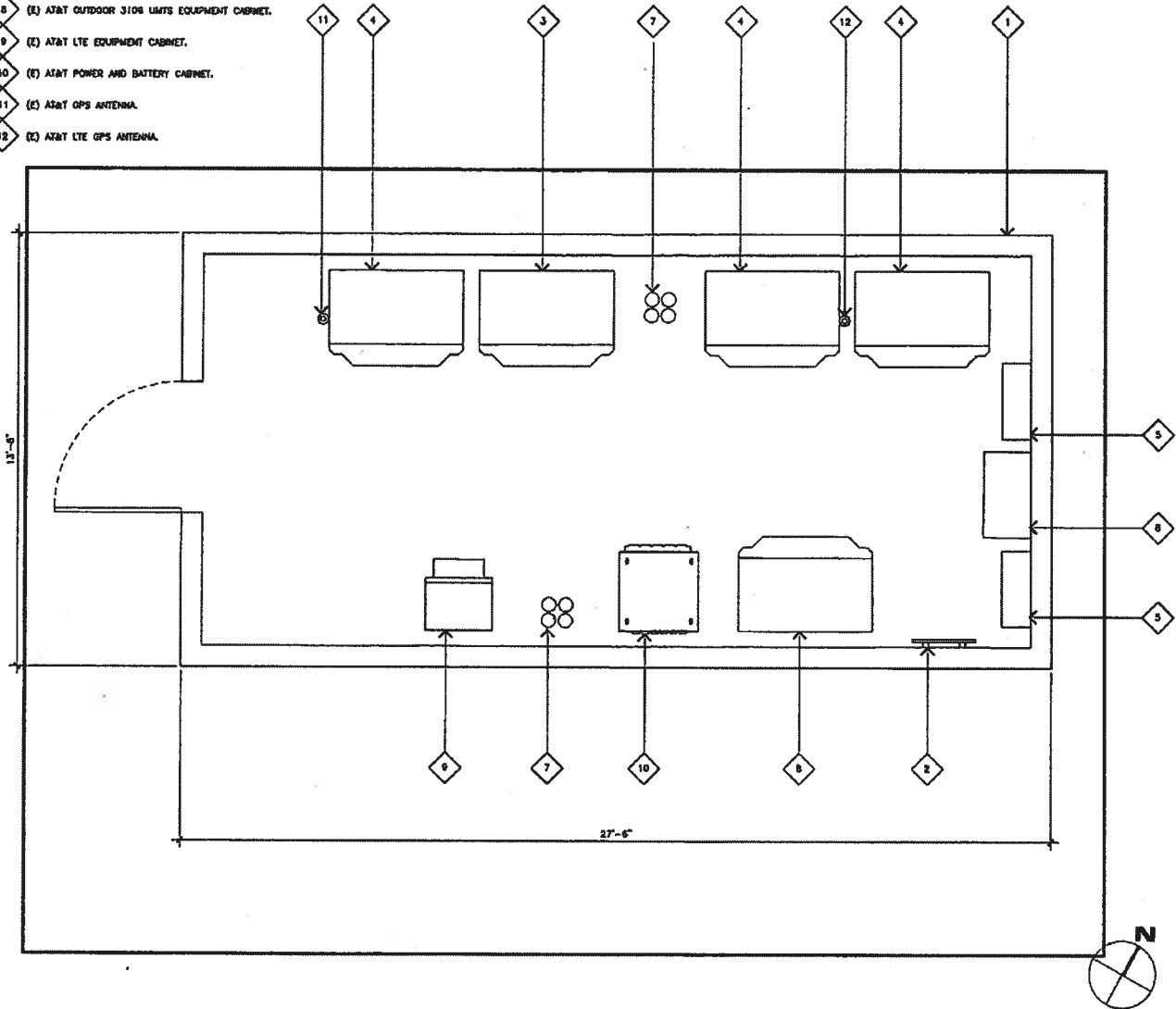
EAST ELEVATION

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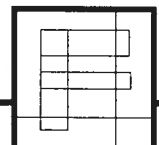
EQUIPMENT PLAN KEYNOTES

- 1 (E) AT&T 8'-0" HIGH CHAU WALL ENCLOSURE.
- 2 (E) AT&T MGB.
- 3 (E) AT&T OUTDOOR 3106 UNITS EQUIPMENT CABINET WITH BSU.
- 4 (E) AT&T 2106 EQUIPMENT CABINET WITH BSU.
- 5 (E) AT&T ELECTRICAL PANEL MOUNTED TO (E) BLOCK WALL.
- 6 (E) AT&T FIBER CABINET MOUNTED TO (E) BLOCK WALL.
- 7 (E) AT&T COAX CABLE STUB-UPS.
- 8 (E) AT&T OUTDOOR 3106 UNITS EQUIPMENT CABINET.
- 9 (E) AT&T LTE EQUIPMENT CABINET.
- 10 (E) AT&T POWER AND BATTERY CABINET.
- 11 (E) AT&T GPS ANTENNA.
- 12 (E) AT&T LTE GPS ANTENNA.

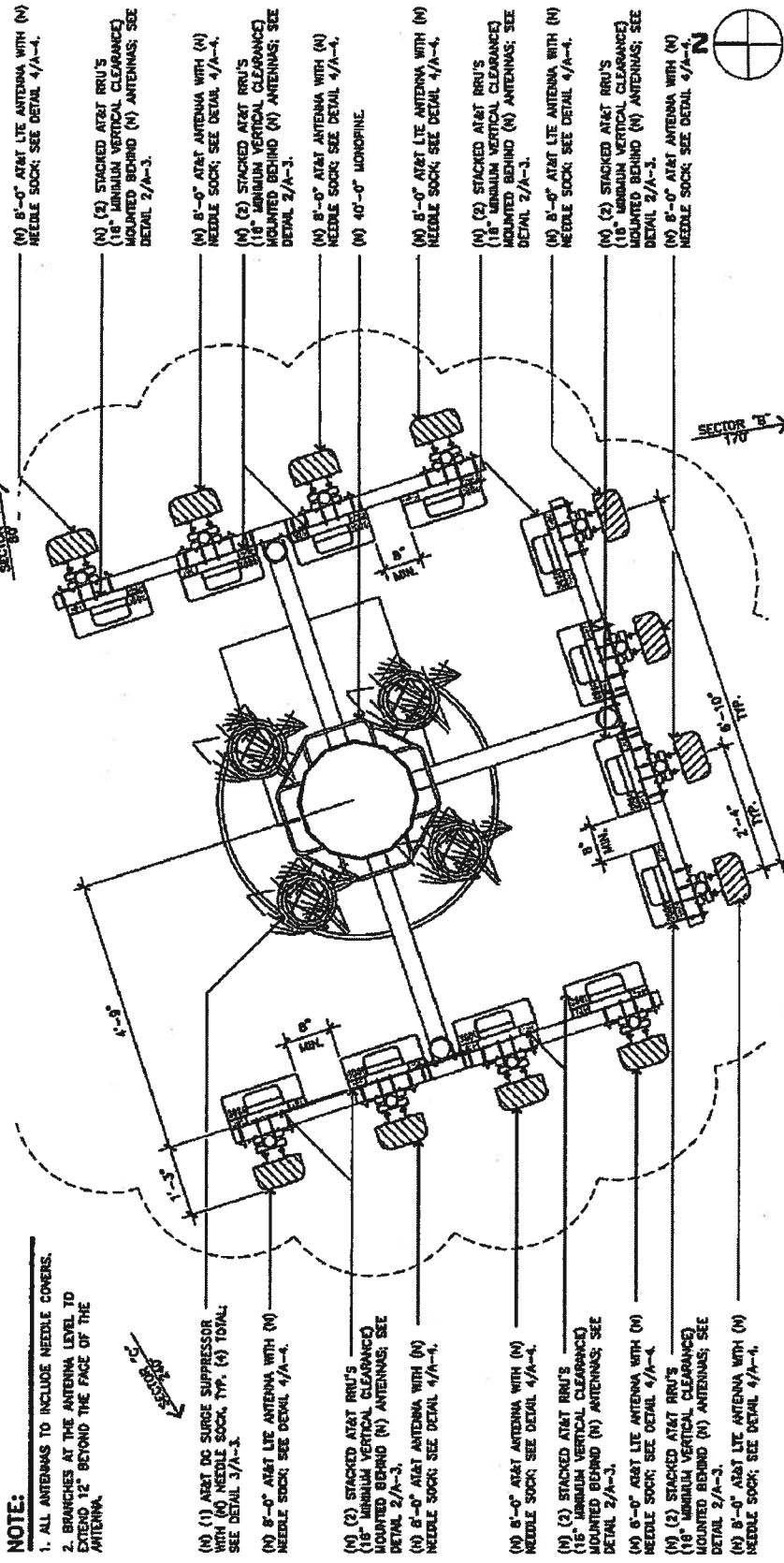


EQUIPMENT PLAN

**PROPOSED PROJECT
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FLOOR PLAN



- (M) 8'-0" AT&T LITE ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
- (N) (2) STACKED AT&T RRU'S (18" MINIMUM VERTICAL CLEARANCE) MOUNTED BEHIND (M) ANTENNAS; SEE DETAIL 2/A-3.
- (M) 8'-0" AT&T ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
- (M) (2) STACKED AT&T RRU'S (18" MINIMUM VERTICAL CLEARANCE) MOUNTED BEHIND (M) ANTENNAS; SEE DETAIL 2/A-3.
- (M) 8'-0" AT&T ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
- (M) 40'-0" MONOPINE
- (M) 8'-0" AT&T LITE ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
- (M) (2) STACKED AT&T RRU'S (18" MINIMUM VERTICAL CLEARANCE) MOUNTED BEHIND (M) ANTENNAS; SEE DETAIL 2/A-3.
- (M) 8'-0" AT&T LITE ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
- (M) (2) STACKED AT&T RRU'S (18" MINIMUM VERTICAL CLEARANCE) MOUNTED BEHIND (M) ANTENNAS; SEE DETAIL 2/A-3.
- (M) 8'-0" AT&T LITE ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.

- NOTE:**
1. ALL ANTENNAS TO INCLUDE NEEDLE COVERS.
 2. BRANCHES AT THE ANTENNA LEVEL TO EXTEND 12' BEYOND THE FACE OF THE ANTENNA.
- (M) (1) A&T DC SURGE SUPPRESSOR WITH (N) NEEDLE SOCK, TYP. (4) TOTAL; SEE DETAIL 3/A-3.
 - (M) 8'-0" AT&T LITE ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
 - (M) (2) STACKED AT&T RRU'S (18" MINIMUM VERTICAL CLEARANCE) MOUNTED BEHIND (M) ANTENNAS; SEE DETAIL 2/A-3.
 - (M) 8'-0" AT&T ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
 - (M) 8'-0" AT&T ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
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 - (M) 8'-0" AT&T LITE ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.
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 - (M) 8'-0" AT&T LITE ANTENNA WITH (N) NEEDLE SOCK; SEE DETAIL 4/A-4.

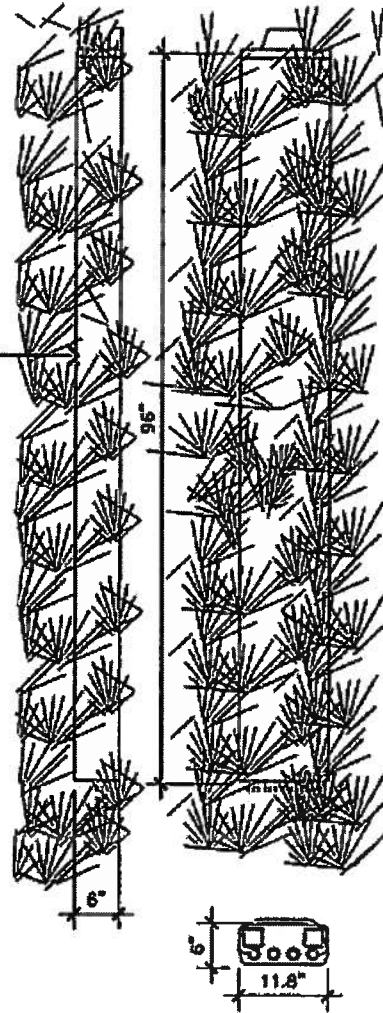
ANTENNA PLAN

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DETAILS

ANTENNA MATERIAL:	GRP
ANTENNA COLOR:	LIGHT GREY
DIMENSIONS, HxWxD:	2438x300x152mm (86"x11.8"x6")
WEIGHT:	61.7 lbs
WIND LOAD, FRONTAL/LATERAL/REAR	
286 lbf/ 61 lbf/ 335 lbf	
CONNECTOR:	7/16 DIN FEMALE

(N) SOCK TO MATCH (N) MONOPINE NEEDLES.



(N) ANTENNA SPECIFICATIONS

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DETAILS

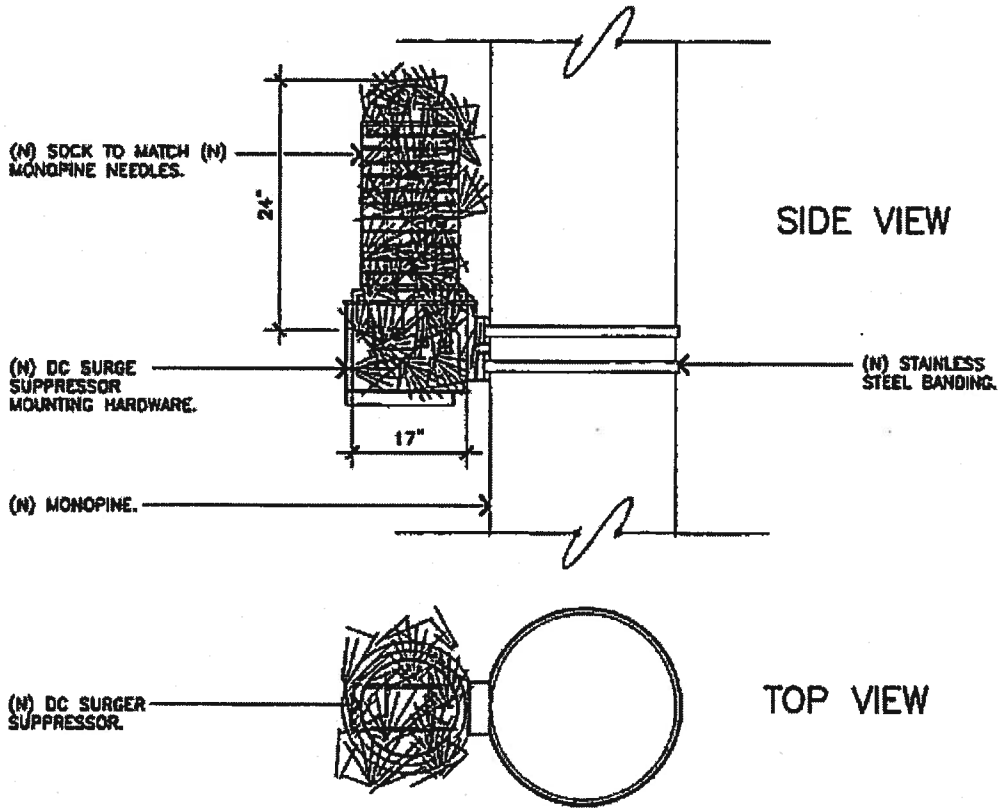
SURGE SUPPRESSOR COLOR: LIGHT GRAY

DIMENSIONS, HxWxD: (10"ø x24")

WEIGHT, WITH PRE-MOUNTED BRACKETS: 32.8 lbs

**WIND LOAD, FRONTAL/LATERAL/REAR
SIDE 149.8 mph, Cd=1: N/A lbs**

CONNECTOR: (4) 1/2 DIN FEMALE



DC SURGE SUPPRESSOR

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DETAILS

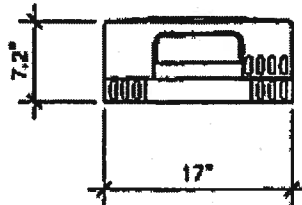
RRU COLOR: LIGHT GRAY

DIMENSIONS, HxWxD: (17"x17.8"x7.2")

WEIGHT, WITH PRE-MOUNTED BRACKETS: 55 lbs

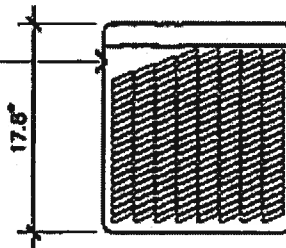
WIND LOAD, FRONTAL/LATERAL/REAR
SIDE 149.8 mph, Cd=1: N/A lbs

CONNECTOR: (4) 1/2 DIN FEMALE

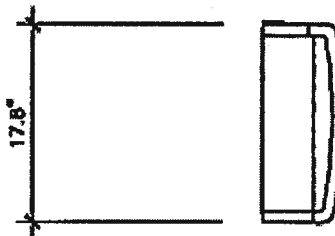


TOP VIEW

(N) PAINT ON COVER TO
MATCH (N) MONOPINE.



FRONT VIEW



SIDE VIEW

RRU CABINET

**PROPOSED PROJECT
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DETAILS

ANALYSIS

A. LAND USE COMPATIBILITY/SURROUNDING ZONING

NORTH - SPA 1 (Palos Vista Specific Plan) / A 35-foot-high Vallecitos Water District water tank is located immediately north of the subject site. Native vegetation within the open space area of the development is located further north. Views of the proposed simulated tree from the nearest homes to the north and northeast within the Palos Vista development generally would be limited due to the existing topography, height of the water tank, existing vegetation, and distance from the residences.

SOUTH - County Residential Zoning / Single-family residential homes on estate sized lots are located south of the subject site at a significantly lower elevation. Native vegetation is located on the lower slopes, and more ornamental type landscaping and tall mature trees (typically eucalyptus and oaks) are located on the residential properties. The existing wireless facility is visible from the homes to the south, and further views to the south and southeast.

EAST - R-1-7 zoning (Single-Family Residential, 7,000 SF min. lot size) / Single-family residential homes are located southeast of the site within the County jurisdiction at a lower elevation than the project site. Single-family homes also are located on the eastern side of Woodland Parkway within the City. The site is visible from some views to the east.

WEST - SPA 1 / (Palos Vista Specific Plan) / Open space property is located immediately west of the facility on the hillside terrain. Native vegetation covers most of the open space area. Single-family homes located within the county are located further west and southwest at a lower elevation. Views of the site from the west generally are obscured by topography and/or large mature trees. The site is visible from some views to the southwest.

B. AVAILABILITY OF PUBLIC SERVICES

1. Effect on Police Service - The Police Department expressed no concern regarding the proposed project and their ability to provide service to the site.
2. Effect on Fire Service - The Fire Department indicated that adequate services can be provided to the site and the proposed project would not impact levels of service.
3. Traffic – The Engineering Department indicated the project would not have any impacts to existing traffic or circulation within the area.
4. Utilities – The Engineering Department indicated the project would not have any impacts to any existing City utilities. Water service to the site is provided by the Vallecitos Municipal Water District.
5. Drainage – The Engineering Department determined the project would not materially degrade the levels of service of the existing drainage facilities.

C. ENVIRONMENTAL STATUS

1. The proposal is exempt from the requirements of the California Environmental Quality Act (CEQA) in conformance with Section 15303, "New Small Facilities or Structures." A Notice of Exemption was prepared for the proposed project. In staff's opinion, the request does not have the potential for causing a significant effect on the environment due to the relatively small size of the facility and would be located within a previously disturbed area. The site contains several other wireless communication facilities and a Vallecitos above-ground water tank is adjacent to the west. The subject lease area does not contain any sensitive vegetation, nor would the project encroach into native vegetation areas. In staff's opinion, no significant issues remain unresolved through compliance with code requirements and the recommended conditions of approval. Staff feels the proposed facility would not result in a potential health hazard to nearby residents since the Radio Frequency (RF) study prepared for the proposed project indicates the facility would be within maximum permissible exposure (MPE) limits and Federal Communication Commission (FCC) guidelines. The property is gated and public access is restricted.

D. GENERAL PLAN ANALYSIS

General Plan - The General Plan land-use designation on the site is SPA 1, which calls for the area to be developed with residential uses and open space areas. The Palos Vista SPA allows wireless facilities subject to a Conditional Use Permit with the open space areas. General Plan Goal (17. Telecommunications, page III-50) encourages quality communication systems that enhance economic viability, government efficiency, and equitable access for all. The General Plan also contains specific policies (Policies 17.1 – 17.9) that encourage the City to work with service providers to enhance the delivery of public services; require compatible designs that are designed in a manner to minimize visual impacts on surrounding uses; and support innovation in the design and implementation of state-of-the art telecommunication technologies and facilities.

E. PROJECT ANALYSIS

Appropriateness of the Proposed Design and Whether the Proposed Wireless Facility Would Be in Conformance with the Communication Antennas Ordinance

AT&T proposes to remove their existing 35-foot-high wireless facility that currently contains six, six-foot-high panel antennas and replace it with a 35-foot-high simulated tree to accommodate twelve, eight-foot-high panel antennas. The Conditional Use Permit request is a refiling of the same project that previously was approved by the City Council in 2012. The top of the branches would extend up to five feet above the top of the antenna panels (up to 40 feet) to provide a more natural appearance. The applicant indicated the new facility is necessary to structurally support the additional antennas. The new tree would be located in front of the existing tree, which would be removed. The existing tree is one of the earlier broadleaf models, and the proposed new simulated pine tree design would appear much more realistic in appearance and provide better coverage/screening of the panels since the number of branches could be increased. The site is visible from residences to the south and southeast and staff feels the newer pine tree design appears to weather better and require less maintenance than the broadleaf design.

Staff feels the proposed facilities would be in conformance with the Wireless Facilities guidelines since the antennas would be incorporated into a simulated tree, which is a stealthy design and would be in context with the surrounding open space setting and other simulated trees on the site. The proposed eight-foot-high antenna panels would be screened within the branches of the tree and covered in appropriate faux pine needle leaf materials. There also are other mature trees located on the site to provide the appropriate context, and the height of the tree would be consistent with the height limits within the SPA. Only minor ground disturbance is required to provide the appropriate foundation for the new facility, which would not impact any native vegetation or cultural resources. The facility also would be in conformance with FCC emission standards.

Conformance with FCC Emission Requirements

Operation of the facility would generate radio frequency electromagnetic emissions (RF radiation) and the Federal Communication Commission (FCC) has developed Maximum Permissible Exposure (MPE) Limits for general public and occupational exposures to RF energy fields. The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupation/controlled exposure limits (for workers) and general public/uncontrolled exposure limits (for the general public). A RF study was prepared for the project by EBI Consulting to determine whether the proposed communication facility complies with the FCC Radio Frequency Safety guidelines. The study assumes a worst case scenario with the facility operating at maximum capacity, and compares the figures to existing standards. Due to the existing communication facilities on the site, actual measurements were conducted to establish a baseline for a cumulative analysis. A copy of the study has been attached with this report. The report indicated there are no modeled areas on any accessible ground-level walking/working areas related to the proposed AT&T antennas that exceed the FCC occupational or general public exposure limits. In addition, there are no measured areas on any accessible ground or working/walking areas that exceed the FCC occupational or general public exposure limits. At the nearest walking/working surfaces to the AT&T antennas, the predicted maximum power density generated by the AT&T antennas is approximately 4.2 percent of the FCCs general public limit (0.84 percent of the FCCs occupational limit). The predicted composite exposure level from all carriers on the site is approximately 62 percent of the FCCs general public limit (12.40 percent of the occupational limit). Access to the site by the general public is limited since the paved access road to the site is gated at the Woodland Parkway entrance. The proposed antennas also would be elevated approximately 27 feet above ground level, and would require workers to be elevated to antenna level to access the panels. Therefore, the antennas are not accessible to the general public.

SUPPLEMENT TO STAFF REPORT/DETAILS OF REQUEST

A. PHYSICAL CHARACTERISTICS

The subject lease area is relatively flat and has been previously cleared and graded to accommodate two existing above-ground water tanks, and access road, and other wireless communication facilities. No sensitive animal species or significant habitat areas are known to be present within the proposed lease/improvements area(s). The development area contains a variety of mature trees, including eucalyptus and California Pepper. Native and non-native vegetation surrounds the site on the steeper slope areas.

B. SUPPLEMENTAL DETAILS OF REQUEST

1. Property Size: 67+ acres
2. Pole Height: Approx. 35' to top of antennas, and 40' top of branches
3. Antennas:
 - Existing: Six, 6'-7"-high panel antennas.
 - Proposed: Twelve, 8'-high panel antennas
Antennas painted dark green to blend in with the simulated tree and covered in "sock" material to match branches/leaves.
4. Power Density: AT&T- 4.2% of the FCC General Public Limit for Maximum Public Exposure (MPE).
Cumulative from all carriers – approx. 62%
5. Radio Units and Surge Protectors: 24 stacked Remote Radio Units (RUs) 17.8" H x 17.8" W x 7.2" D
4 Surge Protectors 24" tall x 17" circumference
Additional Dual Band Tower Mounted Amplifier Units (TMAs) 13.9" H x 6.7" W x 5.4" mounted behind the panel antennas may be added, but are not shown on the plans.

All units painted to blend in with the simulated tree
6. Equipment: Existing equipment and equipment building painted green.
7. Hours of Operation
Wireless Facility: 24 hours, unmanned

Other Wireless Facilities:

- 96-18-CUP Sprint: (formally Cox PCS): Six panel antennas mounted onto six, 19.5-foot-high poles
- 2000-17-SPA/CUP Nextel: Eight panel antennas mounted onto eight, 12-foot-high poles.
- 2006-20-SPA AT&T (formally Cingular): 35-foot-high faux broad-leaf tree with up to six panel antennas.
- 2006-24-CUP Cricket: 35-foot-high faux broad-leaf tree with up to three panel antennas.
- 2007-07-SPA T-Mobile: 35-foot-high faux broad-leaf tree supporting up to nine panel antennas.
- PHG 09-0032 Clearwire: Move two of the existing Nextel antennas onto the two vacant poles, and install two new Clearwire rectangular antennas onto two of the support poles. Clearwire also would install two round directional antenna onto two of the existing poles below their new rectangular antennas and also mount an additional round antenna onto the block equipment enclosure for a total of five new Clearwire antennas and six Nextel antennas. Project never was implemented and the CUP and building permit has expired.

EXHIBIT "A"

FINDINGS OF FACT PHG 13-0013

Conditional Use Permit

1. The General Plan land-use designation on the site is SPA 1, which calls for the area to be developed with residential uses and open space areas. The Palos Vista SPA allows wireless facilities subject to a Conditional Use Permit with the open space areas. General Plan Goal (17. Telecommunications, page III-50) encourages quality communication systems that enhance economic viability, government efficiency, and equitable access for all. The General Plan also contains specific policies (Policies 17.1 – 17.9) that encourage the City to work with service providers to enhance the delivery of public services; require compatible designs that are designed in a manner to minimize visual impacts on surrounding uses; and support innovation in the design and implementation of state-of-the art telecommunication technologies and facilities. Granting this Conditional Use Permit to allow a personal wireless communication facility on the subject property would be in conformance with these Goals and Policies, and would be based on sound principles of land use since the use is in response to services required by the community and the facility would enhance communication services in the city without posing a health threat to the surrounding area. The proposed simulated tree would replace an older existing simulated tree, and the panels would be appropriately integrated into the design of the tree. Any additional ground equipment would be located within an existing equipment enclosure. The proposed antennas and equipment enclosure area would not adversely affect the current operation of the site, or any future uses of the site in conformance with the underlying Specific Plan Open Space land-use category or zoning. The facility also would not result in a potential health hazard to nearby residents since the facility would be within MPE (maximum permissible exposure) limits as indicated in the radio frequency analysis prepared for the project. The proposed facility would be in compliance with the City's Wireless Facility Guidelines, as discussed in the Planning Commission staff report dated June 11, 2013.
2. The proposed personal wireless communication facility would be located within the Specific Plan zone. The proposed facility would not result in a substantial alteration of the present or planned land use since the site is zoned open space and there are several other wireless communication facilities located on the site. The project site and adjacent property currently is developed with two large above ground water tanks, support buildings, paved access road and several other wireless communication facilities. The proposal would not cause deterioration of bordering land uses or result in any adverse visual impacts since the antennas/facility are designed to integrate into the built environment with the use of a simulated tree. The proposed antenna panels would be screened within the branches of the trees and covered in appropriate faux leaf materials. There also are other mature trees located on the site to provide the appropriate context. The height of the tree would be consistent with the height limits within the SPA. Only minor ground disturbance is required to provide the appropriate foundation for the new facility. The existing equipment enclosure is painted to blend in with the adjacent hillside vegetation and colors.
3. The proposed personal wireless communication facility would not be hazardous to the health of nearby residents since the radio frequency (RF) analysis prepared for the project concluded the maximum operation levels of radiation for the facility would be within the MPE (Maximum Permissible Exposure) limit established by FCC requirements. The proposed equipment would be secured within a secured enclosure area.
4. The proposal is exempt from the requirements of the California Environmental Quality Act (CEQA) in conformance with Section 15303, "New Small Facilities or Structures" A Notice of Exemption was prepared for the proposed project. The request does not have the potential for causing a significant effect on the environment due to the relatively small size of the facility and it would be located within a previously disturbed area. The site contains several other wireless communication facilities and a Vallecitos above-ground water tank is adjacent to the west. The subject lease area does not contain any sensitive vegetation, nor would the project encroach into native vegetation areas, nor would the project impact any cultural or archaeological sites.
5. The proposed Amendment to the Palos Vista Specific Plan has been considered in relationship to its effect on the community, and the request would be in compliance with the General Plan Policies and the Wireless Facility Guidelines, and would not result in a negative impact to the adjacent neighborhood for the reasons stated above and detailed in the Planning Commission staff report and radio frequency analysis.

EXHIBIT "B"

CONDITIONS OF APPROVAL

PHG 13-0013

1. All construction shall comply with all applicable requirements of the Escondido Zoning Code and requirements of the Planning Department, Director of Building, and the Fire Chief.
2. The legal description attached to the application has been provided by the applicant and neither the City of Escondido nor any of its employees assume responsibility for the accuracy of said legal description.
3. Prior to or concurrent with the issuance of building permits, the appropriate development fees and Citywide Facility fees shall be paid in accordance with the prevailing fee schedule in effect at the time of building permit issuance, to the satisfaction of the Director of Planning and Building.
4. All exterior lighting shall conform to the requirements of Article 1072, Outdoor Lighting (Ordinance No. 86-75).
5. All project generated noise shall conform to the City's Noise Ordinance (Ordinance 90-08).
6. As proposed, the design, color and materials of the proposed facilities shall be in accordance with the staff report, exhibits and the project's Details of Request, including the following to the satisfaction of the Planning Division and include the following, which shall be clearly indicated on the building plans:
 - a. All details of the proposed tree shall be clearly shown on the building plans, including the number and length of the branches. An appropriate number of branches shall be incorporated into the design to provide for a full looking tree, with sufficient density to adequately screen the panels, to the satisfaction of the Planning Division.
 - b. The central pole shall be clad with a realistic looking bark covering to match the type of simulated tree selected.
 - c. All panel antennas shall be clad with the appropriate "sock" with a dense amount of materials. The actual detail or spec. shall be indicated on the plans.
 - d. The number and placement of branches shall provide a natural tree silhouette and the branches shall extend an appropriate distance past the antennas to provide appropriate screening. This shall be indicated on the plans.
7. All proposed signage associated with the project must comply with the City of Escondido Sign Ordinance (Ord. 92-47) and the exhibits included in the staff report(s), to the satisfaction of the Planning Division. Appropriate signs providing notice, caution or warning, and other necessary markings, shall be placed at the main site access point(s) and other locations, as may be required, in order to alert maintenance or other workers approaching the antennas to the presence of RF transmissions and to take precautions to avoid exposures in excess of FCC limits. The requirement for the appropriate signage/notice shall be indicated on the building plans.
8. As per Federal Communication Commission (FCC) guidelines and requirements, AT&T or any subsequent operator/lease holder of the wireless facility shall investigate any valid complaints related to interference with electronic equipment in the surrounding area as may be required by the FCC. If it has been determined AT&T is the cause of such interference, and if such interference is determined to be related to the signal emitted from the facilities approved by this use permit, AT&T or any subsequent operator/lease holder shall solve the problem in a timely manner. Additionally, any interference with public safety communications shall be corrected immediately, to the satisfaction of the City of Escondido.
9. If requested by the City of Escondido, AT&T, or any subsequent operator/lease holder of the facilities shall permit co-location of other wireless providers on its facility (subject to City of Escondido Approval) if it can be demonstrated that there would be no adverse effect on the existing facilities/operations.
10. AT&T shall select an independent third party consultant to conduct actual power density measurements of the facility within 90 days after installation and under full operation of the facility. The results of the study shall be submitted to the Director of Community Development so that the theoretical power density study can be compared to the actual output to ensure compliance with FCC requirements.

11. AT&T or any subsequent operator/lease holder of the wireless facility shall be responsible for all on-going maintenance of the facility, including the antennas and supporting equipment to ensure the condition of the facility does not appear weathered. Any required landscaping shall be permanently maintained in a flourishing manner. Any required irrigation shall be maintained in fully operational condition.
12. In the event AT&T sells or leases its rights to a third party, AT&T shall submit current contact information to the Director of Community Development of such new owner in a timely manner to insure the City has the ability to interact with the new owner/leasee as to any use permit and compliance issues. Co-location of any new facilities not identified by this use permit shall require approval of the City of Escondido.
13. All communication facilities on the site shall be promptly removed upon non use of the facilities, to the satisfaction of the Planning Division and Building Department.
14. Any permanent, temporary or stand-by emergency generators must be in conformance with the City's Ordinance and regulations regarding electric generating facilities.
15. All new utilities and utility runs shall be underground.
16. No additional antennas or expansion of this facility shall be permitted without a modification of the Conditional Use Permit and a public hearing before the Planning Commission. Minor changes within the approved size and design parameters may be permitted by the Director of Community Development.
17. Any proposed private security gates shall provide rapid reliable access by means of a key box to provide immediate access for firefighting purposes.
18. The Conditional Use Permit shall be null and void if not utilized within twelve months of the effective date of approval, as determined by the Planning Division.
19. This item may be referred back to the Planning Commission upon recommendation of the Director of Community Development for review and possible revocation or modification of the Conditional Use Permit upon receipt of nuisance complaints regarding the facility or non-compliance with the Conditions of Approval.
20. A copy of these Conditions of Approval shall be submitted with the submittal of the building plans indicating compliance with all of the Conditions and Details of Request and exhibits contained in the Planning Commission staff report.
21. Prior to final of the building permit and operation of the facility, any graffiti on the facility shall be removed or painted over to match the existing structures. Any required landscaping of the original approval shall be replaced if missing or dead. Irrigation shall be repaired as necessary.
22. The building plans shall include a site plan that delineates the areas adjacent to the facility that contain native habitat, with a note indicating that none of the natural habitat is to be disturbed. The plans also shall include the installation of an appropriate sign on the site (and location and of the sign) that indicates this restriction during all construction activities.
23. The City of Escondido hereby notifies the applicant that the County Clerk's Office requires a documentary handling fee of \$50.00 in order to file a Notice of Exemption for the project (environmental determination for the project). The applicant shall remit to the City of Escondido Planning Division, within two working days of the final approval of the project (the final approval being the hearing date of the Planning Commission or City Council, if applicable) a check payable to the "San Diego County Clerk" in the amount of \$50.00. In accordance with California Environmental Quality Act (CEQA) section 15062, the filing of a Notice of Exemption and the posting with the County Clerk starts a 35 day statute of limitations period on legal challenges to the agency's decision that the project is exempt from CEQA. Failure to submit the required fee within the specified time noted above will result in the Notice of Exemption not being filed with the County Clerk, and a 180 day statute of limitations will apply.



CITY OF ESCONDIDO
 PLANNING DIVISION
 201 NORTH BROADWAY
 ESCONDIDO, CA 92025-2798
 (760) 839-4671

Notice of Exemption

To: San Diego County Recorder's Office
 Attn: Deputy County Clerk
 1600 Pacific Hwy. Ste. 260
 P.O. Box 121750
 San Diego, CA 92101

From: City of Escondido
 201 North Broadway
 Escondido, CA 92025

Project Title/Case No.: PHG 13-0013 (AT&T Woodland)

Project Location - Specific: Lot G-G-1 of Tract No. 683, Woodland Heights Glen (APN 187-720-23)

Project Location - City: Escondido, **Project Location - County:** San Diego

Description of Project: A Conditional Use Permit to replace a 35-foot-high wireless communication facility designed to resemble a tree with a new 35-foot-high simulated tree in order to accommodate twelve, eight-foot-high panel antennas.

Name of Public Agency Approving Project: City of Escondido

Name of Person or Agency Carrying Out Project

Name Doug Munson, M&M Telecom Inc. Telephone (760) 390-7727

Address P.O. Box 55, Poway, CA 92074

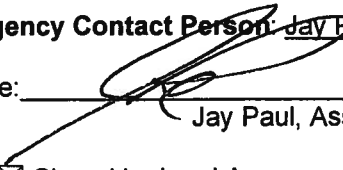
Private entity School district Local public agency State agency Other special district

Exempt Status: Categorical Exemption. Section 15303, "New Small Facilities or Structures."

Reasons why project is exempt:

1. The proposed facility would be consistent with the Communication Antennas Ordinance since the antennas would be incorporated into a simulated tree, which is a stealthy design and would be in context with the surrounding open space setting and other simulated trees on the site. The facility would not result in any adverse individual or cumulative visual impacts; is located on a large open-space lot; blends in with the surrounding built environment; and would be in conformance with FCC emission standards.
2. The proposed facility would replace an existing/similar wireless facility. No significant grading or removal of native vegetation is proposed or required. All public services are available to serve the site.
3. The proposed facility would not be hazardous to the health of nearby residents or the general public since the facility would be within maximum permissible exposure (MPE) limits and Federal Communication Commission (FCC) standards.

Lead Agency Contact Person: Jay Paul, Planning Division Area Code/Telephone/Extension (760) 839-4537

Signature:  May 23, 2013
 Jay Paul, Associate Planner Date

Signed by Lead Agency Date received for filing at OPR: N/A
 Signed by Applicant

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

Prepared for:
AT&T Mobility, LLC
c/o Black & Veatch Corporation
9820 Willow Creek Road Suite
310
San Diego, CA 92131



Caspr # 3601003051
USID# 87926
Site No. NS0330
Escondido Highlands
1901-7/8 Woodland Parkway
Escondido, California 9206
San Diego County
33.160750; -117.131494 NAD83
Site Type: monotree

EBI Project No. 62111837
November 29, 2011

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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
Appendix F	Site Photographs
Appendix G	Site Plan with Monitoring Results
Appendix H	Site Survey Data

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) monitoring and modeling for AT&T Site NS0330 located at 1901-7/8 Woodland Parkway in Escondido, 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 monitoring and modeling in relation to relevant FCC RF-EME compliance standards for limiting human exposure to RF-EME fields.

EBI field personnel visited this site on September 26, 2011. 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
- Site Photographs
- Graphic representation of on-site monitoring results

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 AT&T proposed antennas that exceed the FCC's occupational or general public exposure limits at this site.

Additionally, based on the FCC criteria, there are no measured areas on any accessible ground walking/working surface related to the existing site conditions that exceed the FCC's occupational or general public exposure limits at this site.

AT&T Recommended Signage/Compliance Plan

AT&T's RF Exposure Policy guidance, dated October 4, 2010, 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 October 4, 2010, 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 October 4, 2010. The following signage is recommended at this site:

- Green INFO I sign posted at the base of the monotree.
- Yellow CAUTION sign posted at the base of the monotree.

The signage proposed for installation at this site complies with AT&T's RF Exposure Policy 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 twelve (12) wireless telecommunication antennas on a monotree in Escondido, California. There are three sectors (A, B and C) proposed at the site. The current plans for the site include four (4) proposed antennas per sector, a total of twelve (12) antennas to be installed on the site. To be conservative, modeling was performed assuming a full build-out of four (4) antennas per sector. In each sector, there is assumed to be one UMTS antenna in two bands of the 850 MHz and two bands of the 1900 MHz frequencies; two LTE antennas in each sector transmitting in the 700 MHz frequency. The remaining antenna is assumed to be transmitting in the GSM 850 MHz and GSM 1900 MHz frequencies. The Sector A antennas will be oriented 80° from true north. The Sector B antennas will be oriented 170° from true north. The Sector C antennas will be oriented 240° from true north. The bottoms of the antennas will be 27 feet above ground level. Appendix B presents an antenna inventory for the site.

Access to this site is accomplished by approaching the unsecured monotree at ground level. However, the monotree is located within the larger secured water tank compound. The water tank compound access gate is locked and, as such, the general public is unable to access the monotree. In addition, workers must be elevated to antenna level to access them, so these antennas are not accessible to the general public.

EBI conducted a site visit on September 26, 2011. At the time of the site visit, T-Mobile, Sprint, Nextel and Cricket were present on nearby towers and poles. Measurements were taken at the ground to record existing RF-EME levels resulting from these antennas prior to the installation of AT&T's equipment. These other carriers were also included in the modeling analysis using elevations collected on site and assumed parameters. However, an omni antenna associated with an unknown carrier on the water tank approximately 50 feet north of the AT&T monotree was not included in the modeling analysis because the antenna attributes could not be identified during the site survey. Appendix F contains site photos taken on September 26, 2011 during the on-site survey. Appendix G presents a site plan indicating monitoring and antenna locations. Appendix H contains climate and site observations recorded during the site visit.

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.

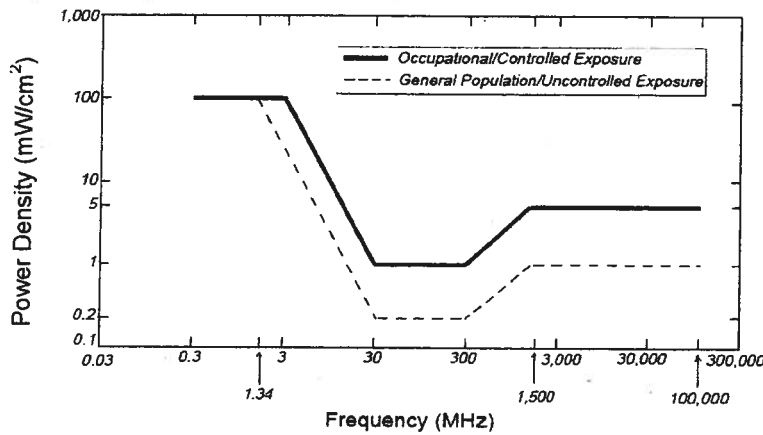
The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm²). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm²) and an uncontrolled MPE of 1 mW/cm² for equipment operating in the 1900 MHz frequency range. For the 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 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

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-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 October 4, 2010, 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, an RF site survey has been completed for this site. The results of the site survey are summarized below in Section 6.0 and in Appendices B, F, G, and H. Worst-case predictive modeling was also 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, data collected during the site survey and information gathered from other sources. T-Mobile, Sprint, Nextel and Cricket antennas were present on nearby towers and poles. 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 predicted maximum power density generated by the AT&T antennas is approximately 4.20 percent of the FCC's general public limit (0.84 percent of the FCC's occupational limit). The predicted composite exposure level from all carriers on this site is approximately 62.00 percent of the FCC's general public limit (12.40 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.

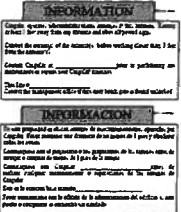

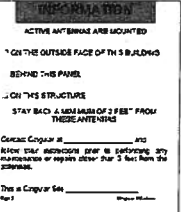




The inputs used in the modeling are summarized in the RoofView® export file presented in Appendix C. A graphical representation of the RoofView® modeling results is presented in Appendix D. It should be noted that RoofView is not suitable for modeling microwave dish antennas; however, these units are 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 Policy guidance, dated October 4, 2010, microwave antennas are considered compliant if they are higher than 20 feet above any accessible walking/working surface. All microwaves on site, if any, are considered compliant and were not included in the modeling analysis.

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 October 4, 2010, and additional guidance provided by AT&T, the following signage is recommended and has been installed on the site:

Recommended Signage:

- Green INFO I sign posted at the base of the monotree.
- Yellow CAUTION sign posted at the base of the monotree.

Signage Installed at the Site:

- Green INFO I sign posted at the base of the monotree.
- Yellow CAUTION sign posted at the base of the monotree.

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. The signage and any barriers are graphically represented in the Signage Plan presented in Appendix E.

5.0 SITE AND VICINITY SURVEY

EBI performed a ground level RF-EME survey on September 26, 2011. The antenna inventory (based upon the site survey) and site photos taken from ground level are presented in Appendices F and G, respectively.

Monitoring was performed using a Narda NBM-550 Electromagnetic Radiation Survey Meter, Serial #B-1124 with a Narda EA5091 Shaped Probe with a frequency range of 300kHz-50 GHz. The meter was last calibrated on September 3, 2011. This meter was programmed to measure the total power density for all electromagnetic radiation within the 300kHz-50GHz frequency range and report the power density as a percent of the FCC's controlled MPE. During this survey, no spatially averaged readings above 0.8535% of the FCC's occupational MPE (4.2675% of the general public MPE) were encountered on any ground surface. A site plan depicting monitoring locations and measurements of power density can be found in Appendix G. Appendix H contains notes from the site survey.

At the time of the site survey, it was noted that there was a green "INFO I" sign and a yellow "Notice to Workers" sign located on the base of the monotree and on the AT&T equipment enclosure indicating the presence of RF emitting equipment at the site. As described in Section 5.0, additional signage is recommended in order to comply with AT&T guidance.

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 1901-7/8 Woodland Parkway in Escondido, California.

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

Additionally, based on the FCC criteria, there are no measured areas on any accessible ground-level walking/working surface related to the existing site conditions that exceed the FCC's occupational and general public exposure limits at this site.

Signage is recommended and has been installed 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 collected during the site survey and 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

Field Personnel Certification

I, Don Perez, state that:

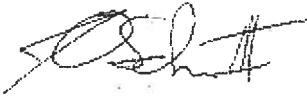
- I am an employee of EnviroBusiness Inc. (d/b/a EBI Consulting), which provides RF-EME safety and compliance services to the wireless communications industry.
- I have successfully completed RF-EME safety training, and I am aware of the potential hazards from RF-EME and would be classified "occupational" 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 the proper use of the RF-EME measurement equipment, and have successfully completed EBI training in the policies and procedures for site survey protocols.
- All information collected during the site survey and contained in this report is true and accurate to the best of my knowledge and based on the data gathered.



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 Policy guidance (dated 10/04/10) and on RF-EME modeling using RoofView® modeling software.
- I have reviewed the data collected during the site survey and 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	250	14.25	Kathrein 80010766	80	8	68	56	63	27
ATT A2	AT&T	Panel	GSM 850	125	14.65	Kathrein 80010766	80	8	65	57	61	27
ATT A2	AT&T	Panel	GSM 1900	250	16.35	Kathrein 80010766	80	8	62	57	61	27
ATT A3	AT&T	Panel	UMTS 850	250	14.65	Kathrein 80010766	80	8	65	58	59	27
ATT A3	AT&T	Panel	UMTS 1900	250	16.35	Kathrein 80010766	80	8	62	58	59	27
ATT A3	AT&T	Panel	UMTS 850	250	14.65	Kathrein 80010766	80	8	65	58	59	27
ATT A3	AT&T	Panel	UMTS 1900	250	16.35	Kathrein 80010766	80	8	62	58	59	27
ATT A4	AT&T	Panel	LTE 700	250	14.25	Kathrein 80010766	80	8	68	59	57	27
ATT B1	AT&T	Panel	LTE 700	250	14.25	Kathrein 80010766	170	8	68	57	54	27
ATT B2	AT&T	Panel	GSM 850	250	14.65	Kathrein 80010766	170	8	65	55	53	27
ATT B2	AT&T	Panel	GSM 1900	375	16.35	Kathrein 80010766	170	8	62	55	53	27
ATT B3	AT&T	Panel	UMTS 850	250	14.65	Kathrein 80010766	170	8	65	53	52	27
ATT B3	AT&T	Panel	UMTS 1900	250	16.35	Kathrein 80010766	170	8	62	53	52	27
ATT B3	AT&T	Panel	UMTS 850	250	14.65	Kathrein 80010766	170	8	65	53	52	27
ATT B3	AT&T	Panel	UMTS 1900	250	16.35	Kathrein 80010766	170	8	62	53	52	27
ATT B4	AT&T	Panel	LTE 700	250	14.25	Kathrein 80010766	170	8	68	51	51	27
ATT C1	AT&T	Panel	LTE 700	250	14.25	Kathrein 80010766	240	8	68	48	53	27
ATT C2	AT&T	Panel	GSM 850	250	14.65	Kathrein 80010766	240	8	65	47	55	27
ATT C2	AT&T	Panel	GSM 1900	250	16.35	Kathrein 80010766	240	8	62	47	55	27

Antenna Number	Operator	Antenna Type	TX Freq (MHz)	ERP (Watts)	Gain (dBd)	Model	Azimuth (deg.)	Length (ft)	Horizontal Beamwidth (Deg.)	X	Y	Z
ATT C3	AT&T	Panel	UMTS 850	250	14.65	Kathrein 80010766	240	8	65	46	57	27
ATT C3	AT&T	Panel	UMTS 1900	250	16.35	Kathrein 80010766	240	8	62	46	57	27
ATT C3	AT&T	Panel	UMTS 850	250	14.65	Kathrein 80010766	240	8	65	46	57	27
ATT C3	AT&T	Panel	UMTS 1900	250	16.35	Kathrein 80010766	240	8	62	46	57	27
ATT C4	AT&T	Panel	LTE 700	250	14.25	Kathrein 80010766	240	8	68	45	60	27
CRK A1	Cricket	Panel	1900	243	16	Unknown	70	6	65	16	28	28.5
CRK B1	Cricket	Panel	1900	243	16	Unknown	160	6	65	14	24	28.5
CRK C1	Cricket	Panel	1900	243	16	Unknown	250	6	65	12	26	28.5
NXT A1	Nextel	Panel	850	242	12	Unknown	120	4	90	135	68	7
NXT A2	Nextel	Panel	850	242	12	Unknown	120	4	90	132	64	7
NXT A3	Nextel	Panel	850	242	12	Unknown	120	4	90	129	60	7
NXT B1	Nextel	Panel	850	242	12	Unknown	230	4	90	106	55	7
NXT B2	Nextel	Panel	850	242	12	Unknown	230	4	90	101	56	7
NXT B3	Nextel	Panel	850	242	12	Unknown	230	4	90	96	57	7
TMO A1	T-Mobile	Panel	1900	81	16	Unknown	70	5	65	151	140	28.5
TMO A2	T-Mobile	Panel	1900	81	16	Unknown	70	5	65	153	135	28.5
TMO A3	T-Mobile	Panel	1900	81	16	Unknown	70	5	65	155	130	28.5
TMO B1	T-Mobile	Panel	1900	81	16	Unknown	160	5	65	157	124	28.5
TMO B2	T-Mobile	Panel	1900	81	16	Unknown	160	5	65	152	121	28.5

Antenna Number	Operator	Antenna Type	TX Freq (MHz)	ERP (Watts)	Gain (dBd)	Model	Azimuth (deg.)	Length (ft)	Horizontal Beamwidth (Deg.)	X	Y	Z
TMO B3	T-Mobile	Panel	1900	81	16	Unknown	160	5	65	147	118	28.5
TMO C1	T-Mobile	Panel	1900	81	16	Unknown	250	5	65	141	122	28.5
TMO C2	T-Mobile	Panel	1900	81	16	Unknown	250	5	65	140	127	28.5
TMO C3	T-Mobile	Panel	1900	81	16	Unknown	250	5	65	139	133	28.5
SPT A1	Sprint	Panel	1900	122	16	Unknown	120	4.5	65	194	199	5.5
SPT A2	Sprint	Panel	1900	122	16	Unknown	120	4.5	65	174	195	5.5
SPT B1	Sprint	Panel	1900	122	16	Unknown	230	4.5	65	126	166	5.5
SPT B2	Sprint	Panel	1900	122	16	Unknown	230	4.5	65	104	168	5.5
UNK3 A1	Unknown 3	Omni	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	NA	NA	Unk.

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 4 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

Map, Settings, Antenna, and Symbol Data Table... Exported from workbook -> RoofView 4.15.xls
 Done on 11/29/2011 at 9:20:07 AM.

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.

Roof Max Y 200 210 210 0 0 0 1 -\$21-\$HB\$220
 Roof Max X Map Max Y Map Max X Y Offset X Offset mber of An envelope
 Standard 4

ID	Name	Freq	Uptime	Scale Factor	Low Thr	Trans Count	Trans Power	Coax Len	Coax Type	Mid Thr	Other Loss	Input Power	Calc Power	Mfg	Model	X	Y	Z	Type	(ft)	Aper	dBd	Gain	Pt Dir	BWidth	Uptime Profile	Upr	ON	List Of Areas	
																													Ap Ht	Mult p Ht Method
ATT A1	LTE	700	1	1	100	1	15.409334	1	500	4	5000	2	15.40933358	Kathrein	80010766	56	63	27		(ft)	8	14.25	68,80	ON*						
ATT A2	GSM	850	1	1	100	1	7.0267396	1	500	4	5000	2	7.026739624	Kathrein	80010766	57	61	27		(ft)	8	14.65	65,80	ON*						
ATT A3	GSM	1900	1	1	100	1	4.750659	1	500	4	5000	2	9.501318065	Kathrein	80010766	58	59	27		(ft)	8	16.35	62,80	ON*						
ATT A3	UMTS	850	1	1	100	1	14.053479	1	500	4	5000	2	14.05347925	Kathrein	80010766	58	59	27		(ft)	8	14.65	65,80	ON*						
ATT A3	UMTS	1900	1	1	100	1	9.5013181	1	500	4	5000	2	9.501318065	Kathrein	80010766	58	59	27		(ft)	8	16.35	62,80	ON*						
ATT A3	UMTS	850	1	1	100	1	14.053479	1	500	4	5000	2	14.05347925	Kathrein	80010766	58	59	27		(ft)	8	14.65	65,80	ON*						
ATT A3	UMTS	1900	1	1	100	1	9.5013181	1	500	4	5000	2	9.501318065	Kathrein	80010766	58	59	27		(ft)	8	16.35	62,80	ON*						
ATT A4	LTE	700	1	1	100	1	15.409334	1	500	4	5000	2	15.40933358	Kathrein	80010766	58	59	27		(ft)	8	14.25	68,170	ON*						
ATT B1	LTE	700	1	1	100	1	15.409334	1	500	4	5000	2	15.40933358	Kathrein	80010766	57	54	27		(ft)	8	14.25	68,170	ON*						
ATT B2	GSM	850	1	1	100	1	7.0267396	1	500	4	5000	2	14.05347925	Kathrein	80010766	55	53	27		(ft)	8	16.35	62,170	ON*						
ATT B2	GSM	1900	1	1	100	1	4.750659	1	500	4	5000	2	14.05347925	Kathrein	80010766	55	53	27		(ft)	8	14.65	65,170	ON*						
ATT B3	UMTS	850	1	1	100	1	14.053479	1	500	4	5000	2	14.05347925	Kathrein	80010766	53	52	27		(ft)	8	16.35	62,170	ON*						
ATT B3	UMTS	1900	1	1	100	1	9.5013181	1	500	4	5000	2	9.501318065	Kathrein	80010766	53	52	27		(ft)	8	14.65	65,170	ON*						
ATT B3	UMTS	850	1	1	100	1	14.053479	1	500	4	5000	2	14.05347925	Kathrein	80010766	53	52	27		(ft)	8	16.35	62,170	ON*						
ATT B3	UMTS	1900	1	1	100	1	9.5013181	1	500	4	5000	2	9.501318065	Kathrein	80010766	53	52	27		(ft)	8	14.65	65,170	ON*						
ATT B4	LTE	700	1	1	100	1	15.409334	1	500	4	5000	2	15.40933358	Kathrein	80010766	51	51	27		(ft)	8	14.25	68,170	ON*						
ATT C1	LTE	700	1	1	100	1	15.409334	1	500	4	5000	2	15.40933358	Kathrein	80010766	48	53	27		(ft)	8	14.25	68,240	ON*						
ATT C2	GSM	850	1	1	100	1	7.0267396	1	500	4	5000	2	14.05347925	Kathrein	80010766	47	55	27		(ft)	8	14.65	65,240	ON*						
ATT C2	GSM	1900	1	1	100	1	4.750659	1	500	4	5000	2	14.05347925	Kathrein	80010766	47	55	27		(ft)	8	16.35	62,240	ON*						
ATT C3	UMTS	850	1	1	100	1	14.053479	1	500	4	5000	2	14.05347925	Kathrein	80010766	46	57	27		(ft)	8	14.65	65,240	ON*						
ATT C3	UMTS	1900	1	1	100	1	9.5013181	1	500	4	5000	2	9.501318065	Kathrein	80010766	46	57	27		(ft)	8	16.35	62,240	ON*						
ATT C3	UMTS	850	1	1	100	1	14.053479	1	500	4	5000	2	14.05347925	Kathrein	80010766	46	57	27		(ft)	8	14.65	65,240	ON*						
ATT C3	UMTS	1900	1	1	100	1	9.5013181	1	500	4	5000	2	9.501318065	Kathrein	80010766	46	57	27		(ft)	8	16.35	62,240	ON*						
ATT C4	LTE	700	1	1	100	1	15.409334	1	500	4	5000	2	15.40933358	Kathrein	80010766	45	60	27		(ft)	8	14.25	68,240	ON*						
CRK A1	Cricket	1900	20	1	1	1	20	1	3	3	3	10.02374467	Unknown	Unknown	Unknown	16	28	28.5		(ft)	6	16	65,770	ON*						
CRK B1	Cricket	1900	20	1	1	1	20	1	3	3	3	10.02374467	Unknown	Unknown	Unknown	14	24	28.5		(ft)	6	16	65,160	ON*						
CRK C1	Cricket	1900	20	1	1	1	20	1	3	3	3	10.02374467	Unknown	Unknown	Unknown	12	26	28.5		(ft)	6	16	65,250	ON*						

NXT A1	NXT A2	NXT A3	NXT B1	NXT B2	NXT B3	TMO A1	TMO A2	TMO A3	TMO B1	TMO B2	TMO B3	TMO C1	TMO C2	TMO C3	SPT A1	SPT A2	SPT B1	SPT B2	
Nextel	Nextel	Nextel	Nextel	Nextel	Nextel	T-Mobile	T-Mobile	T-Mobile	T-Mobile	T-Mobile	T-Mobile	T-Mobile	T-Mobile	T-Mobile	Sprint	Sprint	Sprint	Sprint	
850	850	850	850	850	850	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
50	50	50	50	50	50	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	10	10	10	10	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
25.05936168	25.05936168	25.05936168	25.05936168	25.05936168	25.05936168	3.342918848	3.342918848	3.342918848	3.342918848	3.342918848	3.342918848	3.342918848	3.342918848	3.342918848	5.011872336	5.011872336	5.011872336	5.011872336	
Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
135	132	129	106	101	96	151	153	155	157	124	121	118	141	140	133	199	174	126	
68	64	60	55	56	57	140	135	130	124	121	118	122	127	127	133	199	195	166	
7	7	7	7	7	7	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	5.5	5.5	5.5	5.5	
4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4.5	4.5	4.5	4.5	
12	12	12	12	12	12	16	16	16	16	16	16	16	16	16	16	16	16	16	
90;120	90;120	90;120	90;120	90;230	90;230	65;70	65;70	65;70	65;160	65;160	65;160	65;160	65;160	65;250	65;250	65;120	65;120	65;230	65;230
ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*	ON*

Map Marker
 Map Label notes for this table only:
 5 AC Unit
 14 AC Unit
 45 AC Unit
 20 Ladder

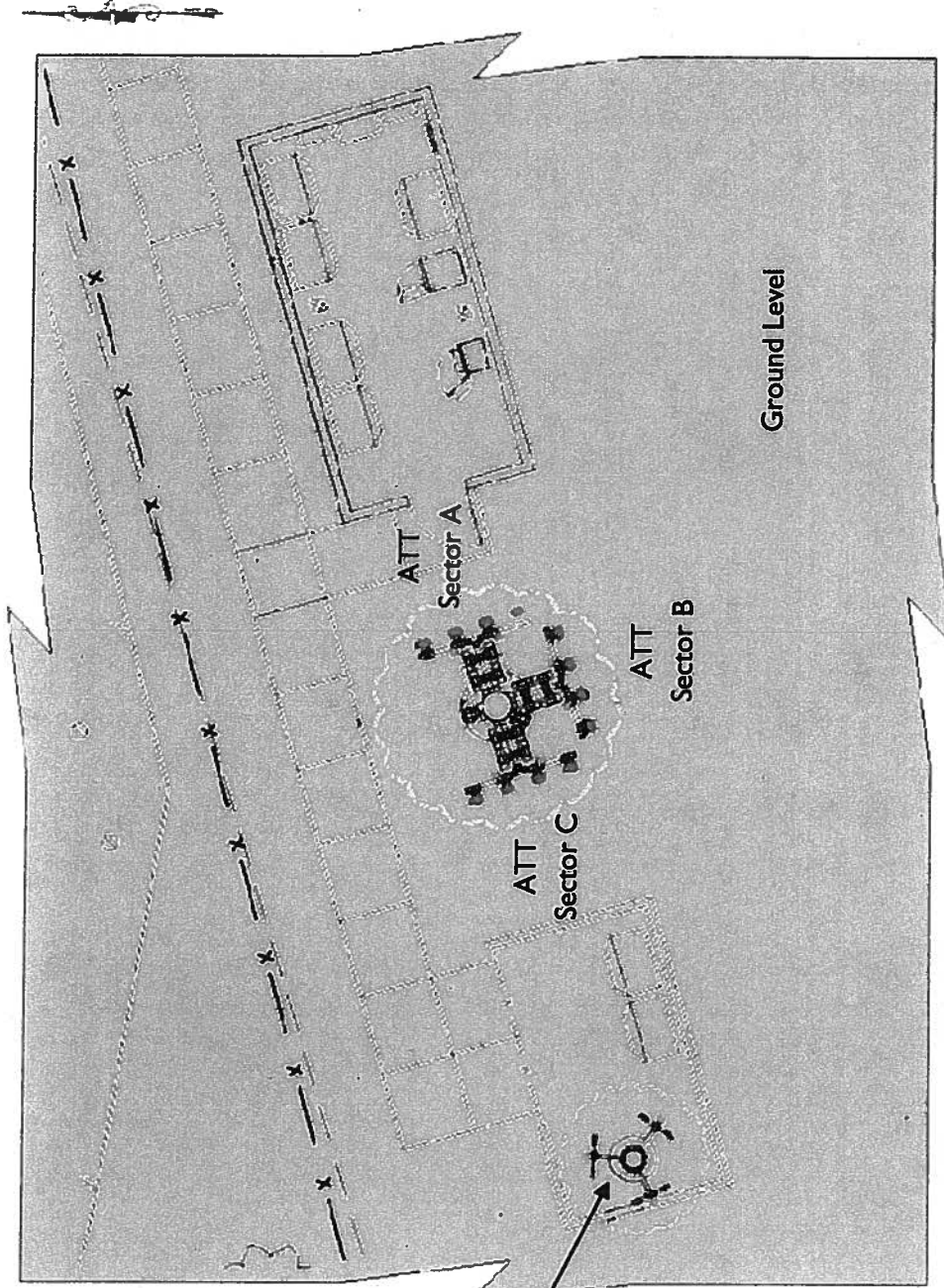
Appendix D

Roofview ® Graphics

% of FCC Public Exposure Limit

- Exposure Level $\geq 5,000$
- $500 < \text{Exposure Level} \leq 5000$
- $100 < \text{Exposure Level} \leq 500$
- Exposure Level ≤ 100

***Ground Level Simulation**



Cricket Tower

For clarity, most of the other carrier antennas are not shown since they are outside of the immediate vicinity of the AT&T tower.

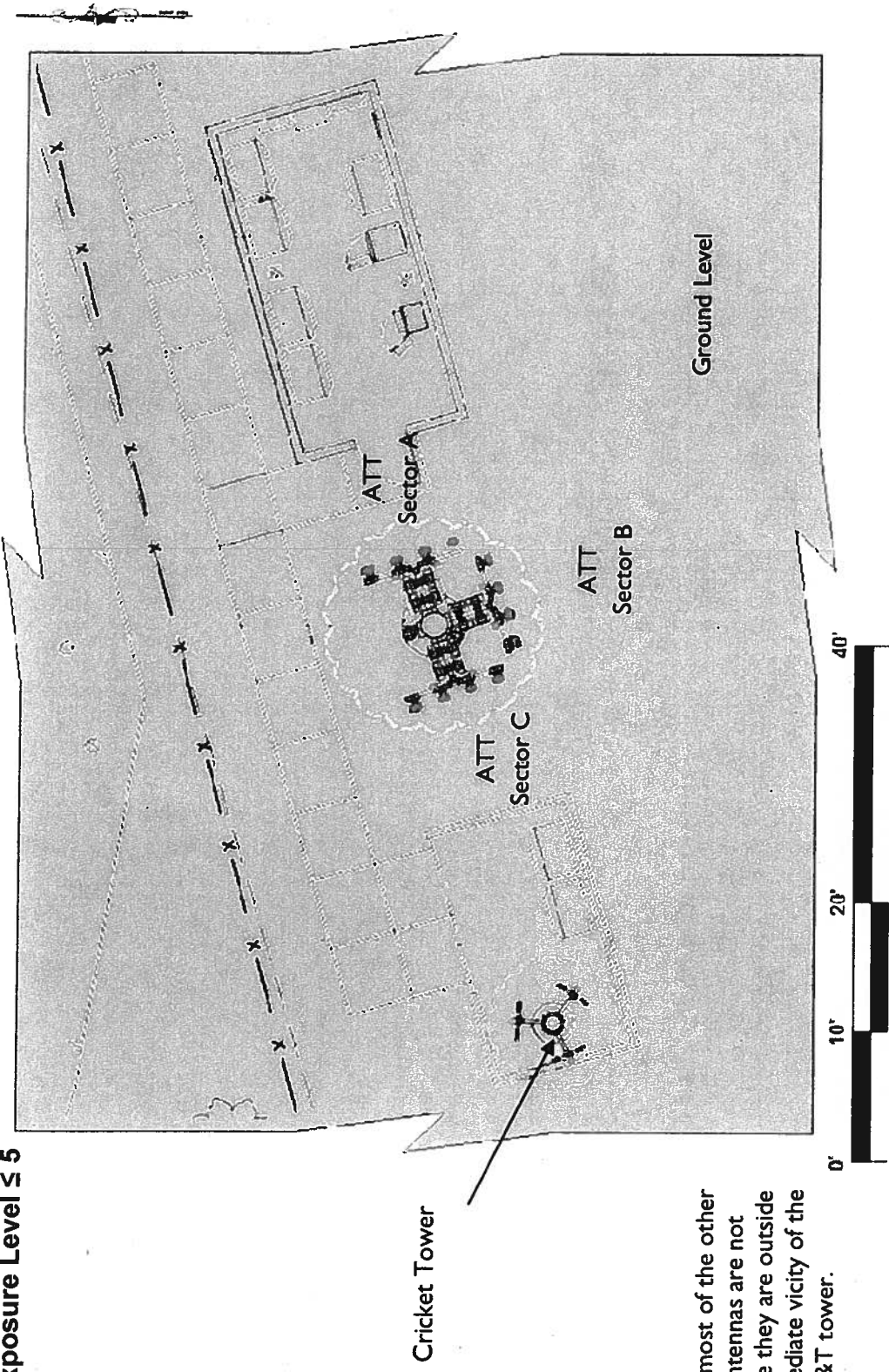
- AT&T Antennas
- Other Carrier Antennas

Roofview: Composite Exposure Levels
 Facility Operator: AT&T Mobility
 Site Name: Escondido Highlands
 AT&T Site Number: NS0330
 USID Number: 87926
 Report Date: 11-29-11



% of FCC Public Exposure Limit

-  Exposure Level >5
-  Exposure Level ≤ 5



For clarity, most of the other carrier antennas are not shown since they are outside of the immediate vicinity of the AT&T tower.

Note that the areas shown in purple, where AT&T antennas contribute more than 5% of the FCC's general exposure MPE limit, do not overlap the areas in front of other carrier antennas that exceed the FCC's general exposure MPE limit (as shown in Figure 1). Under FCC regulations, AT&T is therefore not responsible for any predicted exceedances of these other carrier antennas.



-  AT&T Antennas
-  Other Carrier Antennas

Figure 2.
Roofview: AT&T Exposure Levels
 Facility Operator: AT&T Mobility
 Site Name: Escondido Highlands
 AT&T Site Number: NS0330
 USID Number: 87926
 Report Date: 11-29-11

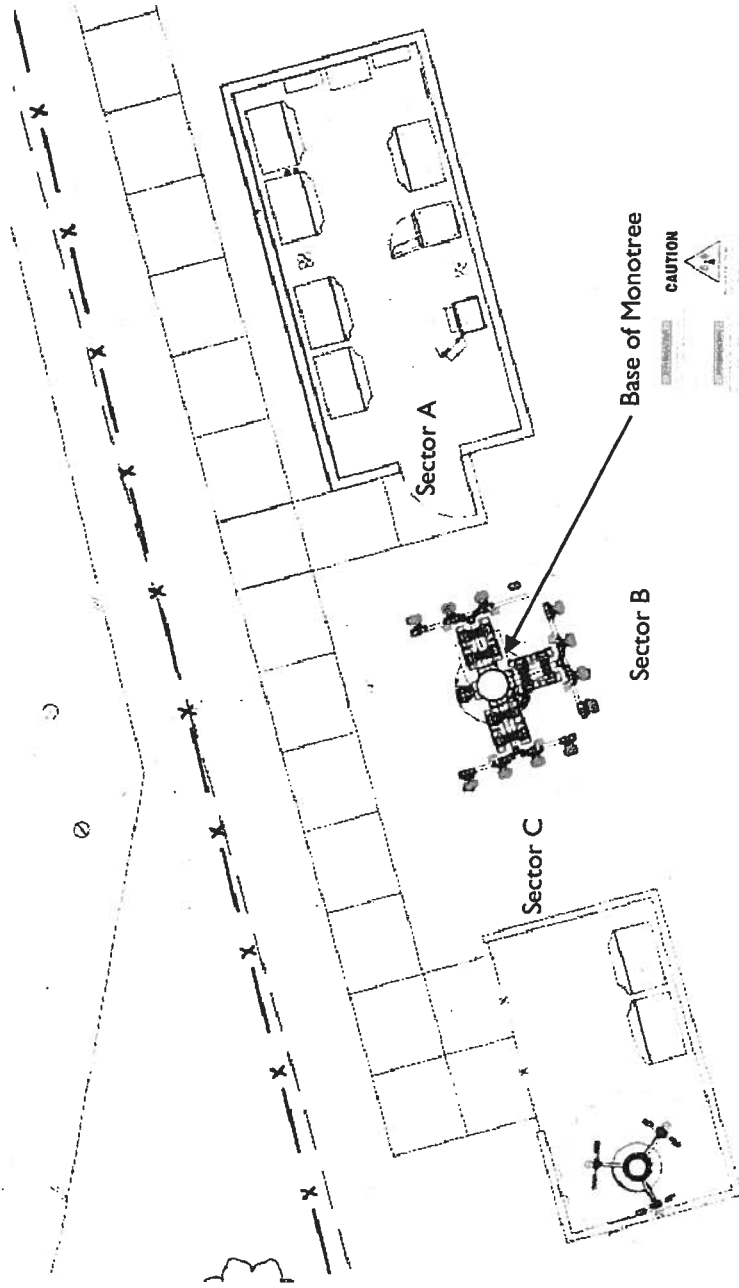


Appendix E

Compliance/Signage Plan

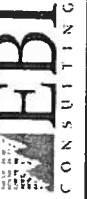
AT&T Antennas

Other Carrier Antennas



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

Compliance/Signage Plan
 Facility Operator: AT&T Mobility
 Site Name: Escondido Highlands
 AT&T Site Number: NS0330
 USID Number: 87926
 Report Date: 11-29-11

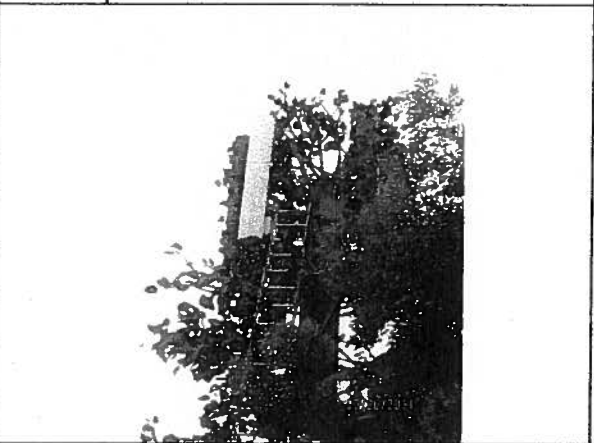


Appendix F

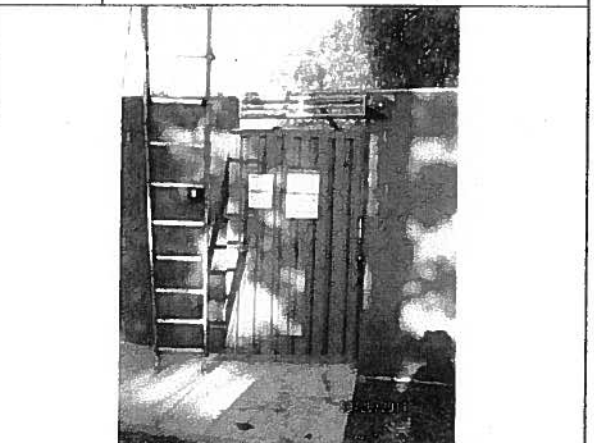
Site Photographs



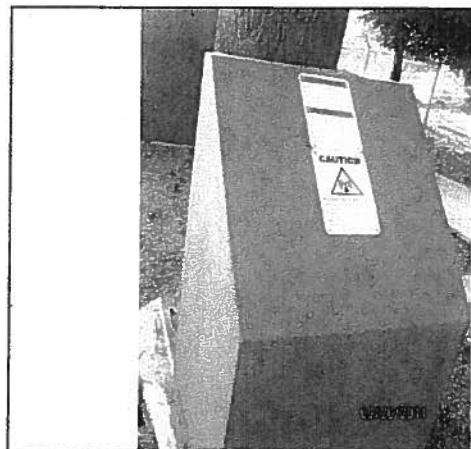
1. View west-southwest; overview of Sprint and AT&T facilities.



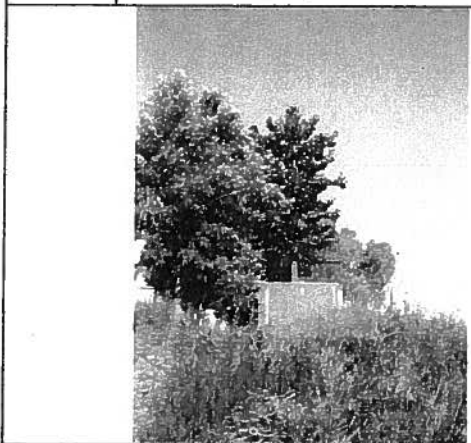
2. View west-southwest and up toward AT&T antennas.



3. AT&T equipment shelter door.



4. Detail of signage at base of AT&T tower.



5. View east toward Cricket tower located to the west of the AT&T tower.



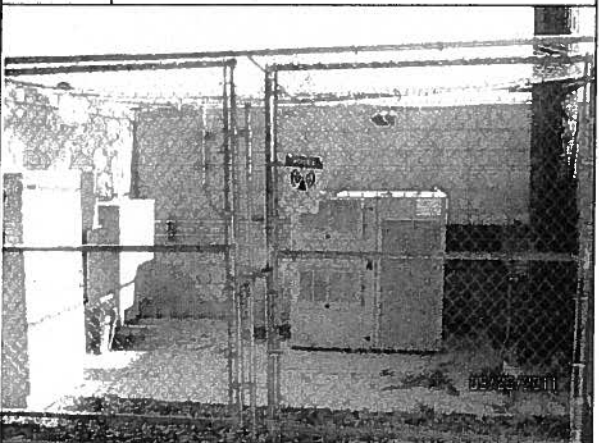
6. View south and up toward antennas on Cricket tower located to the west of the AT&T tower.



7. View south and up toward antennas on Cricket tower located to the west of the AT&T tower.



10. View west-northwest toward Nextel sector A and B antennas.



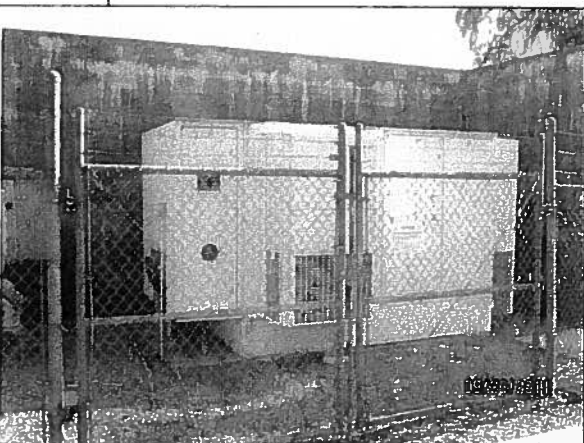
8. Unknown carrier equipment located west to the AT&T tower.



11. Detail of sign near Nextel antennas.



9. View east toward Nextel sector B antennas.



12. Nextel equipment enclosure.



13. Detail of signage on Nextel enclosure.



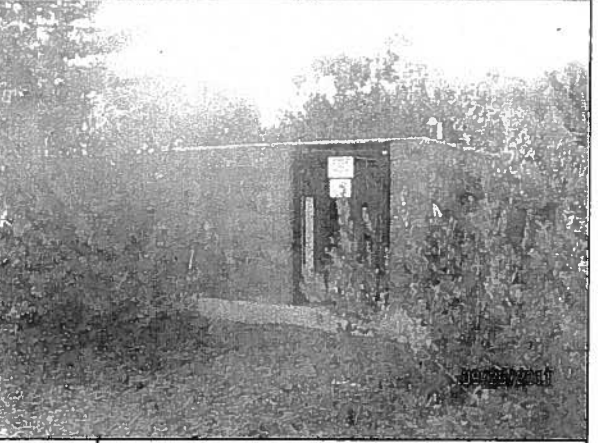
16. Detail of signage on T-Mobile equipment enclosure.



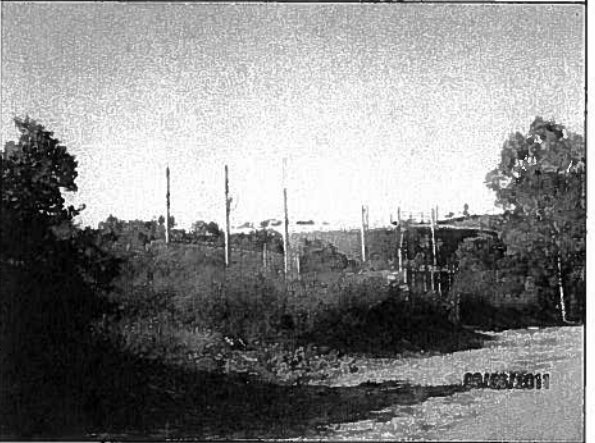
14. View north toward T-Mobile tower.



17. View north and up toward T-Mobile antennas.



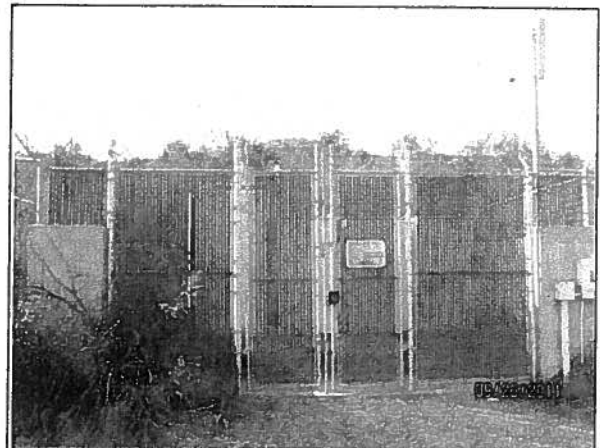
15. View north-northwest toward T-Mobile equipment enclosure.



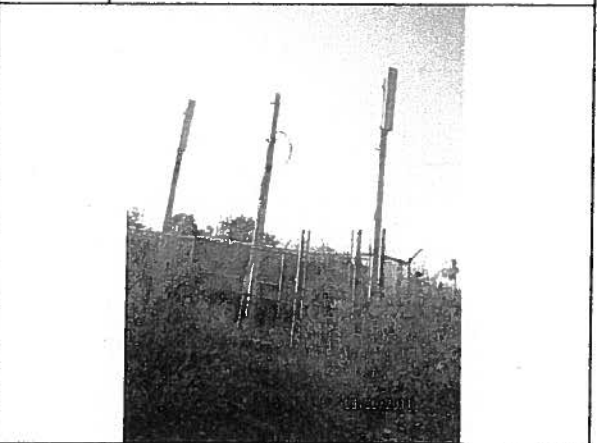
18. View north toward Sprint antennas.



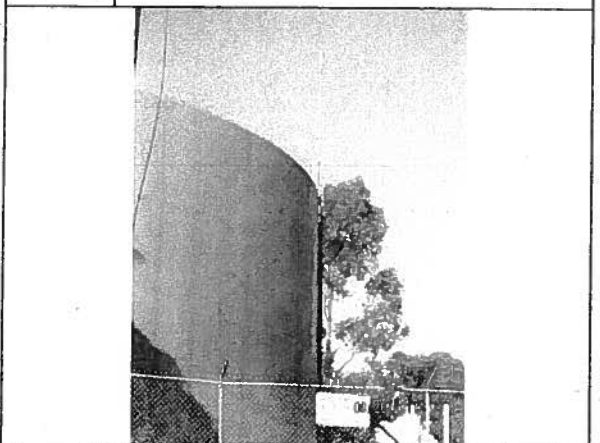
19. View north toward Sprint sector B antennas.



22. View north toward Sprint equipment enclosure.



20. View northwest toward Sprint sector A antennas.



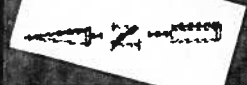
23. View northeast toward Omni antenna mounted to water tank.



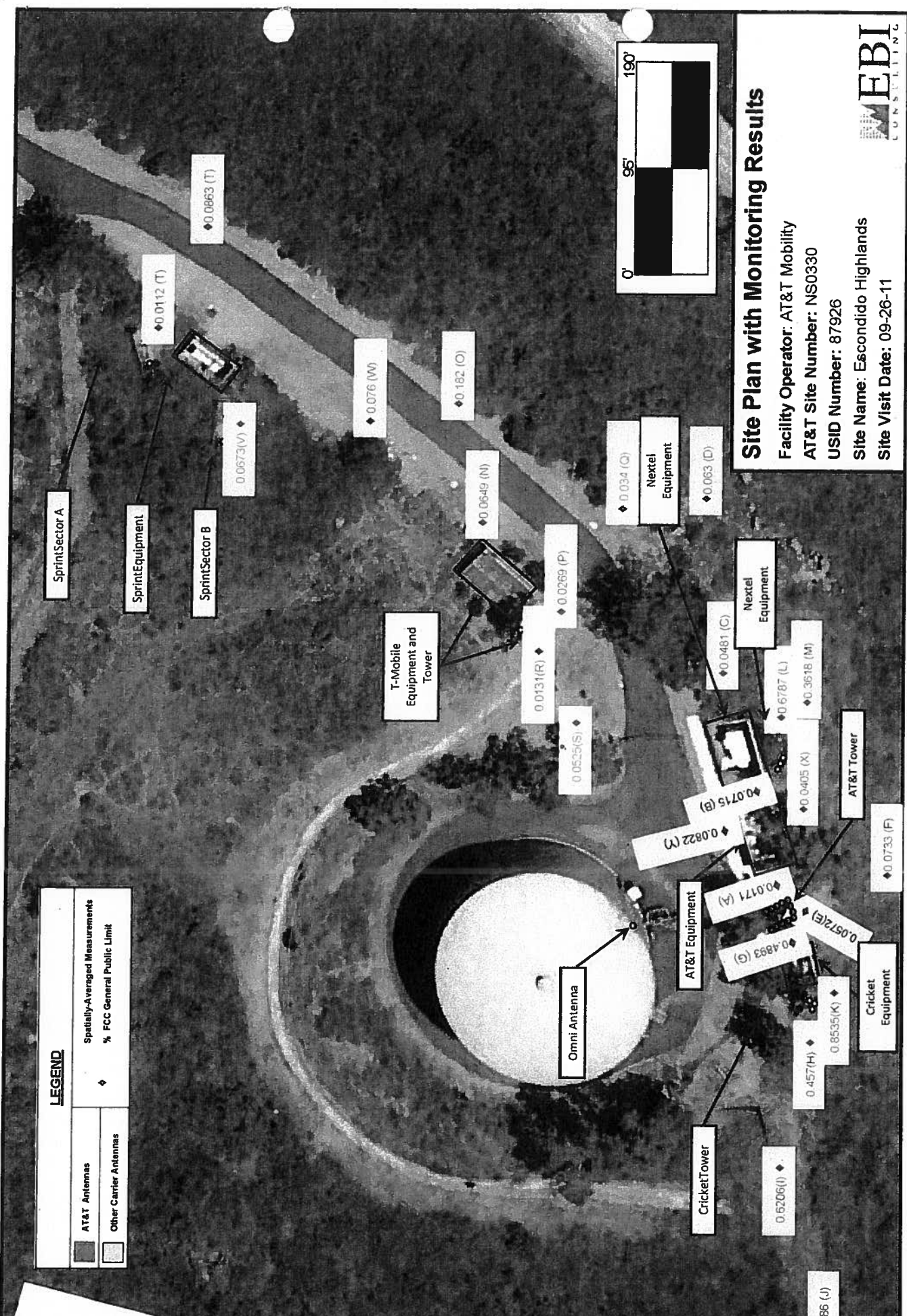
21. Detail of signage on Sprint sector A antennas.

Appendix G

Site Plan with Monitoring Locations



LEGEND	
	AT&T Antennas
	Other Carrier Antennas
	Spatially-Averaged Measurements % FCC General Public Limit



Site Plan with Monitoring Results

Facility Operator: AT&T Mobility
 AT&T Site Number: NS0330
 USID Number: 87926
 Site Name: Escondido Highlands
 Site Visit Date: 09-26-11



Appendix H

Site Survey Data

Surveyor Name	Don Perez	Site Visit Date	09-26-11
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Site Information	
Escondido Highlands 1901-7/8 Woodland Parkway Escondido, California 9206	San Diego County Site Coordinates (NAD83): 33.160750; -117.131494

MONITOR INFORMATION		PROBE INFORMATION	
Monitor Model #	NBM-550	Probe Model #	EA 5091
Monitor Serial #	B-1124	Probe Serial #	01077
Calibration Date	9/3/2011	Calibration Date	3/2/2010
Next Recommended Calibration Date	9/3/2012	Next Recommended Calibration Date	3/2/2012

CLIMATE INFORMATION	
Temperature (°F)	80
Sunny/Overcast/Cloudy	Sunny
Windy/Mild Breeze/No Wind	Mild Breeze
Rainy/Drizzle/Foggy/Snowy	None
Other Noteworthy weather factors that might influence readings	N/A

ACCESS INFORMATION	
Type of facility:	Tower within a water tank compound
Contact Information:	Hector Manmano. AT&T Mobility, HM7772@att.com
Property Owner and Contact Number	Not available
M-RFSC Name	N/A
Who manages Access (e.g. security, landlord, no one)	No one
How is access managed? (locks, sign-in, etc)	Locks
Ease of access, in general (e.g. ease of breaching any access physical controls)	Difficult