



Placentia Planning Commission  
Agenda

Regular Meeting  
**November 13, 2012**  
**6:30 p.m.**

**Michael Ebenhoch**  
Chairman

**Vic Tomazic**  
Vice Chairman

**Dana Hill**  
Commissioner

**Frank Perez**  
Commissioner

**Christine Schaefer**  
Commissioner

**John Scull**  
Commissioner

**Thomas Solomonson**  
Commissioner

**City of Placentia**  
401 E Chapman Avenue  
Placentia, CA 92870

**Phone: (714) 993-8124**  
**Fax: (714) 961-0283**  
**Website: [www.placentia.org](http://www.placentia.org)**

**Procedures for Addressing the Commission**

Any person who wishes to speak regarding an item on the agenda or on a subject within the Planning Commission's jurisdiction during the "Oral Communications" portion of the agenda should fill out a "Speaker Request Form" and give it to the Commission Secretary BEFORE that portion of the agenda is called. Testimony for Public Hearings will only be taken at the time of the hearing. Any person who wishes to speak on a Public Hearing item should fill out a "Speaker Request Form" and give it to the Commission Secretary BEFORE the item is called.

The Commission encourages free expression of all points of view. To allow all persons the opportunity to speak, please keep your remarks brief. If others have already expressed your position, you may simply indicate that you agree with a previous speaker. If appropriate, a spokesperson may present the views of an entire group. To encourage all views, the Commission discourages clapping, booing or shouts of approval or disagreement from the audience.

**PLEASE SILENCE CELL PHONES AND OTHER ELECTRONIC  
EQUIPMENT WHILE THE COMMISSION IS IN SESSION.**

**Special Accommodations**

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk's Office at (714) 993-8231. Notification 48 hours prior to the meeting will generally enable City staff to make reasonable arrangements to ensure accessibility.  
(28 CFR 35.102.35.104 ADA Title II)

Copies of all agenda materials are available for public review in the Office of the City Clerk, City Planning Division Counter, Placentia Library Reference Desk and the internet at [www.placentia.org](http://www.placentia.org) under the Planning Commission page. Persons who have questions concerning any agenda item may call the City Planning Division at (714) 993-8124 to make inquiry concerning the nature of the item described on the agenda.

In compliance California Government Code Section 54957.5, any writings or documents provided to a majority of the Planning Commission regarding any item on this agenda that are not exempt from disclosure under the Public Records Act will be made available for public inspection at the City Clerk's Office at City Hall, 401 East Chapman Avenue, Placentia, during normal business hours.

Study Sessions are open to the public and held in the City Council Chambers or City Hall Community Room.

**City of Placentia  
Community Room  
401 E. Chapman Avenue  
November 13, 2012**

**REGULAR MEETING  
6:30 p.m. – Community Room**

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**MEETING CALLED TO ORDER**

**ROLL CALL:** Chairman Ebenhoch  
Vice Chairman Tomazic  
Commissioner Hill  
Commissioner Perez  
Commissioner Schaefer  
Commissioner Scull  
Commissioner Solomonson

**PLEDGE OF ALLEGIANCE:**

**MINUTES:**

October 9, 2012

**ELECTION OF CHAIRMAN:**

**ELECTION OF VICE CHAIRMAN:**

**ORAL COMMUNICATIONS:**

At this time, the public is invited to address the Planning Commission concerning any items on the agenda, which are not public hearings, or other items under the jurisdiction of the Placentia Planning Commission

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**PUBLIC HEARINGS**

1. **Applicant: Golden State Water Company: Daniel Flores**  
**Location: 202 Wilson Avenue**

**Development Plan Review 2012-03:**

To permit the construction of a +/- 600 square foot pump house structure to enclose a new Golden State Water Company 1,500-2,500 gallon per minute domestic water well, +/- 900 LF of 12 inch diameter distribution water line and +/- 900 LF of 16 inch diameter drain line connecting to the public storm drain, as well as associated water well facilities for the purpose of improving fire flow and water quality I the existing Placentia water system. and other related on site improvements on a +/- 9,100 square foot site at 202 Wilson Avenue in the Single Family Residential (R-1) District.

**Recommended Action:**

Continue to a date not certain.

2. **Applicant: Sprint C/O SAC Wireless: Mark Berlin**  
**Location: 506 S. Fee Ana Street**

**Use Permit (UP) 2012-11:**

Request to modify a wireless communication facility on an existing +/- 65 foot high freestanding "monopine" and related ground equipment located at 506 S. Fee Ana Street in the Manufacturing (M) District.

**Recommended Action:**

Adopt Resolution No. PC-2012-19 approving Use Permit 2012-11, subject to all Special Conditions of Approval and Standard Development Requirements.

3. **Applicant: City of Placentia**

**Amendment 2012-01:**

Amendment to Chapter 23.90 of Title 23 (Zoning Ordinance) of the Placentia Municipal Code adding a new § 23.90.045 requiring specified signs utilizing non-Latin/Roman alphabet characters to provide a generic description of the business in English and requires applications for such signs to include a certified English translation thereof.

**Recommended Actions:**

Adopt Resolution PC-2012-09 making the required findings; recommend approval of Amendment 2012-01 to the City Council and direct staff to prepare and transmit a report of the findings and recommendations of the Planning Commission to the City Council.

**DEVELOPMENT REPORT**

Electronic Message Boards  
Development Project List

## **PLANNING COMMISSION REQUESTS**

Commission members may make requests or ask questions of staff. If a Commission member would like to have formal action taken on a requested matter, it will be placed on a future Commission Agenda.

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## **ADJOURNMENT**

The Planning Commissioners ADJOURN to a Regular meeting on Tuesday, December 11, 2012 at 6:30 p.m. in the City Council Chambers at 401 East Chapman Avenue, Placentia.

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## **CERTIFICATION OF POSTING**

I, Kenneth A. Domer, Secretary to the Planning Commission of the City of Placentia, hereby certify that the Agenda for the November 13, 2012 Regular meeting of the Planning Commission of the City of Placentia was posted on November 8, 2012.

\_\_\_\_\_  
Kenneth A. Domer

**ELECTRONIC COPY**  
SIGNATURES ON ORIGINALS WITH  
PLANNING COMMISSION SECRETARY

**PLACENTIA PLANNING COMMISSION  
MINUTES OF THE REGULAR MEETING**

October 9, 2012

The regular meeting of the Placentia Planning Commission of October 9, 2012 was called to order at 6:30 p.m. in the City Council Chambers, 401 East Chapman Avenue, Placentia, by Commissioner Schaefer.

**ROLL CALL:** Present: Vic Tomazic, Vice Chairman  
Christine Schaefer, Commissioner  
Frank Perez, Commissioner  
Tom Solomonson, Commissioner  
John Scull, Commissioner

Absent Excused: Michael Ebenhoch, Chairman  
Dana Hill, Commissioner

**PLEDGE OF ALLEGIANCE:** Led by Commissioner Solomonson

Others Present: Ken Domer, Assistant City Administrator  
Andrew V. Arczynski, City Attorney  
Monique Schwartz, Associate Planner  
Cathy Carranza, Clerical Aide

Due to the absence of the Chair and request by Vice Chair, Commissioner Schaefer served as Acting Chair for this meeting.

**ORAL COMMUNICATIONS:** The Chair invited the public to make oral comments on matters not on the agenda and none were offered.

**Motion by Commissioner Solomonson, seconded by Commissioner Tomazic, to approve the minutes of September 11, 2012. Passed by a 4-0-2-1 vote. Chairman Ebenhoch and Commissioner Hill absent. Commissioner Scull abstained.**

**Public Hearings:**

1. **Applicant:** Fresh & Easy Neighborhood Markets, Adam Mayfield

**Location:** 148 E. Yorba Linda Boulevard

**Use Permit (UP) 2012-06 (Amendment No. 1):**

To amend Use Permit 2012-06 to include a finding of Public Convenience and Necessity in order to permit the sale of alcoholic beverages (Type 20 Off-Sale Beer and Wine) for off-site consumption in conjunction with the operation of an approved +/- 12,000 square foot Fresh & Easy Neighborhood Market, located at 148 E. Yorba Linda Boulevard in the Town Center (T-C) District.

Mr. Domer presented the staff report to the Commission. Due to California Department of

Alcoholic Beverage Control request, a Finding of Public Convenience and Necessity is required due to over-concentration within the census tract. Mr. Domer commented that this location is not in a high crime area, therefore the Police Department has no concerns. Mr. Domer states that Planning Staff is in recommendation to approve the Public Convenience and Necessity subject to all Special Conditions of Approval and Standard Development Requirements as approved by the Planning Commission on August 14, 2012.

Commissioner Schaefer opened the public hearing and invited the applicant to address the Commission.

No comments were received.

Commissioner Schaefer closed the public hearing.

**Motion by Commissioner Scull, seconded by Vice Chairman Tomazic TO ADOPT RESOLUTION NO. PC-2012-17 APPROVING AMENDMENT NO. 1 TO USE PERMIT 2012-06, SUBJECT TO THE SPECIAL CONDITIONS OF APPROVAL AND STANDARD DEVELOPMENT REQUIREMENTS AS APPROVED BY THE PLANNING COMMISSION ON AUGUST 14, 2012. Passed by a 5-0 vote.**

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**2. Applicant: Gillian Clark  
Location: 1450 N. Kraemer Boulevard**

**Use Permit (UP) 2012-10:**

To permit the sale of alcoholic beverages for on-site consumption (Type 41 On Sale Beer and Wine for Bona Fide Public Eating Place), and to permit a +/- 290 square foot large outdoor seating area in conjunction with a +/- 3,000 square foot full service restaurant (Sue Ann's), located at 1450 N. Kraemer Boulevard in the Town Center (TC) District.

Ms. Schwartz presented the staff report and Power Point presentation to the Commission.

Vice Chairman Tomazic asked if the restaurant will be replacing the old Dario's Pizza location. Ms. Schwartz responded that yes it will.

Commissioner Schaefer asked for clarification of Special Conditions of Approval #46 on page 15. Ms. Schwartz responded that alcoholic beverages will be served in different containers than non-alcoholic beverages.

The applicant Gillian Clark, 531 N. Palm Street, La Habra introduced herself to the Commission.

Commissioner Scull asked if the applicant had a chance to review the Conditions of Approval. The applicant expressed concern of Special Conditions of Approval #17 item #3 on page 12. Ms. Schwartz stated that it is a code requirement not to cover more than 25% of the window area. Applicant Robin Smith, introduced herself to the Commission. The applicant stated that they will be using a see through decal that will not block the view. Ms. Schwartz stated that

she may be able to work with them to remedy their concerns.

Commissioner Scull asked when they will be opening for business. The applicant Gillian Clark replied that she is looking at opening before the end of this year.

Commissioner Schaefer opened the public hearing.

No comments were received.

Commissioner Schaefer closed the public hearing.

**Motion by Commissioner Scull seconded by Vice Chairman Tomazic TO ADOPT RESOLUTION NO. PC-2012-18 APPROVING USE PERMIT (UP) 2012-10 SUBJECT TO THE SPECIAL CONDITIONS OF APPROVAL AND STANDARD DEVELOPMENT REQUIREMENTS SET FORTH THEREIN. Passed by a 5-0 vote.**

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## **NEW BUSINESS:**

### **3. Proposed Temporary Commercial Signage Pilot Program:**

Planning Commission review for City Council recommendation of the allowance of temporary portable business signs and other sign code modifications on a pilot basis through the implementation of a temporary commercial signage program.

Mr. Domer presented the staff report to the Commission.

Vice Chairman Tomazic asked if the signs would be in English or will they be allowed in a foreign language. Mr. Domer stated that referenced issue will be an amendment will be made at the November Planning Commission meeting.

Commissioner Solomonson asked for clarification on banners allowed. Mr. Domer responded that aside from the portable signs, the regular permit program will still be in place.

Commissioner Perez asked who will regulate signs left out overnight. Mr. Domer stated that the Police Department will have 20 hour a day, seven days a week Police Service Officer coverage who will be monitoring.

Commissioner Schaefer asked for clarification on bringing the signs in at night. Mr. Domer said that the A frame and Menu Board signs need to be brought in at the end of each business day.

Commissioner Scull asked for clarification of educating businesses on the new Signage program. Mr. Domer stated that there will be advertising available on the web as well as the P Town Informer newsletter.

Commissioner Schaefer asked if the Santa Fe area is aware of this new program. Mr. Domer responded that some may not be aware yet.

Commissioner Scull asked for clarification on sign spinners located at street corners.

Mr. Domer stated that they are not allowed now and will not be part of the new Pilot program.

**Motion by Commissioner Solomonson seconded by Commissioner Scull to make a recommendation to the City Council of the allowance of temporary portable business signs and other sign code modifications on pilot basis through the implementation of a temporary commercial signage program. Passed by a 5-0 vote.**

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**DEVELOPMENT REPORT:**

Heritage Festival is October 13.  
Marshalls is scheduled to open on October 18.

**PLANNING COMMISSION REQUESTS:**

Commissioner Solomonson, seconded by Commissioner Scull adjourned the Planning Commission meeting at 7:15 p.m. to the next regularly scheduled meeting on November 13, 2012 in the City Council Chambers at 401 East Chapman Avenue, Placentia.

Submitted by,

Ken Domer  
Assistant City Administrator



City of Placentia

Planning Commission

Meeting of November 13, 2012

Agenda Item #1  
Will Be Continued  
To Another Date



# Placentia Planning Commission Agenda Staff Report

<b>AGENDA ITEM NO.:</b> 2	<b>DATE:</b> November 13, 2012	<b>PUBLIC HEARING:</b> Yes
<b>APPLICATION:</b> Use Permit (UP) 2012-11 (Modification to Use Permit 05/10)		
<b>DESCRIPTION:</b> Request to modify a wireless communication facility on an existing +/- 65 foot high freestanding "monopine" and related ground equipment located at 506 S. Fee Ana Street.		
<b>RELATED ITEMS:</b> None		
<b>APPLICANT:</b> SPRINT C/O SAC Wireless (Mr. Mark Berlin)		
<b>PROPERTY OWNER:</b> Mr. Robert Sackett		
<b>LOCATION:</b> 506 S. Fee Ana Street		
<b>CEQA DETERMINATION:</b> Categorically Exempt, Class 3, Section 15303		
<b>ZONING:</b> M – Manufacturing	<b>APN(S):</b> 346-241-13	
<b>GENERAL PLAN:</b> Industrial	<b>CITY COUNCIL ACTION REQUIRED:</b> No	
<b>PREPARED BY:</b> Kenneth A. Domer, Assistant City Administrator		
<b>REVIEWED BY:</b> Monique B. Schwartz, Associate Planner		

## **REQUEST:**

To permit the modification of a wireless communication facility on an existing +/- 65 foot high freestanding "monopine" and related ground equipment located at 506 S. Fee Ana Street within the Manufacturing (M) District.

## **INTRODUCTION:**

On September 13, 2005 the Planning Commission approved the co-location of a wireless communications facility on an existing pole located at 506 S. Fee Ana Street. At the time, the applicant, Nextel Communications (now Sprint), applied for and was granted Use Permit 05/10 to allow for the installation of their antennas and ground mounted equipment. A Special Condition (No. 5) was included and reads: "No expansion or modification of the wireless communications facility shall occur at any time without first obtaining Planning Commission review and approval." Therefore this modification requires Planning Commission approval.

Pursuant to § 23.82.070 of the Placentia Municipal Code, all major wireless communication facilities established in the City are required to obtain Planning Commission approval of a Use Permit application. The proposed modification of an existing co-location is required because of the above mentioned Special Condition.

The existing "monopine" cell tower and related ground-mounted equipment at the site was first approved by the Planning Commission on June 11, 2002 for Cingular Wireless. The existing "monopine" wireless communication facility is now owned and operated by T-Mobile, which has an existing ground lease with Mr. and Mrs. Robert Sackett (property owners of 506 Fee Ana Street). This Sprint set of wireless antennas is one of three sets co-

located on this wireless communication facility. Sprint proposes to modify the existing facilities to include removing and replacing panel antennas, adding remote radio head (RRH) units and retrofitting the current ground equipment area.

**RECOMMENDATION:**

The Planning Division recommends approval of Use Permit 2012-11, which is a modification of a wireless communication facility on an existing +/- 65 foot high freestanding “monopine” and related ground equipment, located at 506 S. Fee Ana Street within the Manufacturing District.

**DISCUSSION:**

**Subject Site and Surrounding Land Uses:**

The subject property is a 30,576 square foot (.702 acres) parcel that is located south of Orangethorpe Avenue, south of the Burlington Northern Santa Fe Railroad, and north of the Orange County Flood Control Channel with access from Fee Ana Street. The property is owned by Mr. and Mrs. Robert Sackett and is currently improved with a 720 square foot house that is being used as an office and a 2,500 square foot fenced area for a “monopine” wireless communication facility and related ground-mounted equipment that is leased to T-Mobile. The remainder of the parcel is being used as a construction storage yard and for storage of vehicles and equipment.

	<b>Existing Land Use</b>	<b>Land Use Element General Plan Designation</b>	<b>Zoning Map Designation</b>
<b>Existing</b>	Manufacturing Storage Yard and wireless facility	Industrial	Manufacturing (M) District
<b>Proposed</b>	Manufacturing Storage Yard and wireless facility	Industrial	Manufacturing (M) District
<b>North</b>	Residential (210 feet across Orangethorpe Ave.)	PUD 3	Medium Density Residential
<b>South</b>	Orange County Flood Control Channel	Industrial	Manufacturing (M) District
<b>East</b>	Orange County Flood Control Vacant Land	Industrial	Manufacturing (M) District
<b>West</b>	Contractor’s Storage Yard	Industrial	Manufacturing (M) District

## **LOCATION:**

The existing sixty-five (65) foot high “monopine” and adjacent equipment building are located within a 2,500 square foot area with a six (6) foot high chain link with barbed wire fence along the north-east property line. The submittal site plan indicates the proposed ground lease area will remain the same. Sprint is proposing to keep nine (9) current antennas (three (3) per sector) and install six (6) 1900 mhz remote radio head units (two (2) per sector) and three (3) 1900 mhz antennas (one (1) per sector) at approximately 49’-6” (measured to center) above the finish grade. Sprint will also install new conduit and equipment within the existing cabinet that measures 20’-0” L x 11’-6” W x 11’-0” H within the existing fenced area and parallel to the eastern property line.

## **Height:**

Per Manufacturing (M) District regulations, the maximum permitted height for structures in this district is fifty-four (54) feet. The existing “monopine” is sixty-five (65) feet tall, taller than the maximum allowable height in this district; however, the cell tower “monopine” design is also regulated by Placentia Municipal Code § 23.81.090 (Height limits-Generally) which states that “chimneys, silos, cupolas, flag poles, monuments, gas storage holders, radio and other towers, water tanks, church steeples and similar structures and mechanical appurtenances may be permitted in excess of height limits provided a use permit is first obtained in each case.” Use Permit 02/05 was approved by the Placentia Planning Commission for the existing “monopine” wireless communication facility on June 11, 2002.

The new or modified antennas for Sprint will be mounted on the existing “monopine” approximately 49’-6” at center antennas above the finish grade.

## **Antennas/Operational Characteristics:**

Sprint is proposing to keep nine (9) current antennas (three per sector) and install six (6) 1900 mhz remote radio head units (two per sector) and three (3) 1900 mhz antennas (one per sector) at approximately 49’-6” (measured to center) above the finish grade. Sprint is also installing new conduit and equipment within the existing cabinet that measures 20’-0” L x 11’-6” W x 11’-0” H within the existing fenced area and parallel to the eastern property line.

The proposed wireless communication facility will provide twenty-four (24) hour service to Sprint customers, seven (7) days a week. A Sprint technician will service the facility on a periodic basis; with routine maintenance/inspections of the facility occurring once a month, during normal working hours. Sprint requires twenty-four (24) hour access to the facility to ensure that technical support is immediately available if warranted. They will have keys to access the gate that surrounds the property and the gate that houses the “monopine” and related equipment cabinets.

## **Aesthetics:**

The City's wireless communication facility ordinance specifically requires operators to consider visual impacts when locating and constructing a major wireless communication facility; therefore, the current facility was designed to blend into the surrounding environment. However, the existing "monopine" was approved in 2002 and does not meet the standards set forth by the City as evidenced by recent approvals of similar "monopine" facilities. As now required, the trunk and branches of a "monopine" are to be painted brown and the needles are to be multi-shades of green to resemble a living pine tree. The colors are to be subdued and non-reflective to blend with materials and colors in the surrounding area. Review of the existing "monopine" facility shows a facility which is over ten years of age and one that actually stands out in a negative way when viewed from adjacent areas, including Orangethorpe Avenue. As a condition to this Use Permit, it is required that the applicant work with the pole owner to upgrade the aesthetics of the facility, per what is shown on the submitted elevations, pages A-5 through A-8. That is, the facility shall include faux branches down to a level no higher than twelve (12) feet from the ground in a manner that provides a general pine tree appearance (at least 2.25 branches per foot) up to the existing branches. Further, all antenna units are to be painted green or green/brown patterns and shall be covered with panel covers (socks) with matching branch material.

The existing ground leased fenced area is not visible to cars or to the general public. The perimeter of the site is surrounded by a screened chain link fence and the ground leased fenced area is located within the existing construction storage yard. Staff determined that no further screening of the ground-mounted equipment is necessary because it is situated within a contractor's storage yard that is completely screened from public view. A Special Condition of Approval was included with the original Use Permit to require that all cable/utility runs be placed underground.

## **Safety:**

Wireless communication facilities are regulated by the Federal Communications Commission (FCC) and must receive a federal license before transmission can begin. Providers must comply with the American National Standards Institute (ANSI) and Institute of Electrical and Electronic Engineers (IEEE) standards for safe human exposure to radio electromagnetic fields. ANSI and IEEE standards are considered the most appropriate health and safety guidelines for this type of industry. If a wireless communications facility does not maintain ANSI/IEEE mandated standards, their FCC license will be revoked and any authorized use permit would be declared null and void.

FCC rules require transmitting facilities (including wireless) to comply with Radio Frequency (RF) exposure guidelines. The rules have been clarified in several FCC rulemakings but are most conveniently grouped and discussed in the FCC's Office of Engineering and Technology Bulletin 65, titled, "*Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields.*" The limits established in the guidelines are designed to protect the public health with a very large margin of safety. The limits set forth by the FCC have been endorsed by the Environmental Protection Agency

and the Food and Drug Administration. As stated below, the proposed facility, like most facilities, create maximum exposures that are only a small fraction of the limits set by the FCC. Moreover, the limits themselves are many times below levels that are generally accepted as having the potential to cause adverse health effects. Nonetheless, it is recognized that any instance of noncompliance with the guidelines is potentially very serious, and the FCC has therefore implemented procedures to enforce compliance with its rules.

Section 332(c)(7) of the Communications Act (which is identical to § 704(a) of the Telecommunications Act of 1996) does not limit local government authority over siting wireless facilities, but it does set forth specific limitations on local governments. Specifically, 47 U.S.C. § 332(c)(7) (B) (iv) states: “No State or local government or instrumentality thereof may regulate the placement, construction, or modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission’s regulations concerning such emissions.”

Therefore, the authority of the Planning Commission with regard to RF emissions is limited to reviewing the proposed project for planned compliance with the FCC RF emissions safety rules, and to ensure that any special conditions of approval approved with the Use Permit maintain that compliance.

Based on material submitted by SPRINT Wireless, to include the Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report, the proposed wireless telecommunication facility will operate at the lowest possible power levels and is below the established standards used by the FCC for safe human exposure to radio frequency electromagnetic fields. These standards have been tested and are considered safe by the American National Standards Institute (ANSI) and the Institute of Electrical Electronics Engineers (IEEE). The attached Special Conditions of Approval (Attachment B) address continued compliance with ground level RF emissions as set forth in Bulletin 65.

EBI Consulting, a retained consulting Engineering firm, evaluated the proposed facility for compliance with appropriate guidelines limiting human exposure to radio frequency electromagnetic fields. A copy of Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report has been included as an exhibit to this staff report.

Finally, the applicant indicates that the equipment operates quietly or almost noise free. The equipment does not emit fumes, smoke or objectionable odors.

### **Environmental Review**

The proposed use is not expected to create a negative impact on the physical environment. It is City Staff’s opinion that the use is categorically exempt pursuant to the California Environmental Quality Act (CEQA) Guideline § 15303 and City Environmental Guidelines.

Section 15303 allows for exemptions for small new construction projects which do not result in any changes in land use or density. The proposed project involves a minor alteration to an

existing site involving a negligible expansion of use beyond that presently existing, and will not result in an increase of more than 50 percent of the floor area, nor more than 2,500 square feet. As a result, City Staff recommends that the Planning Commission find that the use is categorically exempt from CEQA.

**Actions:**

Adopt Resolution No. PC-2012-19 approving Use Permit (UP) 2012-11, subject to the Special Conditions of Approval and Standard Development Requirements set forth therein.

Prepared and submitted by:

Reviewed and approved by:

\_\_\_\_\_  
Kenneth A. Domer  
Assistant City Administrator



\_\_\_\_\_  
Daphne B. Schwartz  
Associate Planner

**Attachments:**

Resolution No. PC-2012-19  
Attachment A: Special Conditions of Approval and Standard Development Requirements

**Exhibits:**

- Exhibit 1: Vicinity Map and Photo Simulations
- Exhibit 2: Sprint Plan Sheets
- Exhibit 3: Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report

**RESOLUTION NO. PC-2012-19**

**A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF PLACENTIA APPROVING USE PERMIT NO. 2012-11 PERTAINING TO MODIFICATIONS TO A SPRINT WIRELESS COMMUNICATION FACILITY AT PROPERTY LOCATED AT 506 S. FEE ANA STREET AND MAKING FINDINGS IN SUPPORT THEREOF.**

**A. Recitals.**

(i). SAC Wireless, ("Applicant" hereinafter) and Mr. Robert Sackett, the property owner, have filed an application for approval of Use Permit No. 2012-11 to be located at 506 S. Fee Ana Street, as described in the title of this Resolution. Hereinafter, in this Resolution, the subject Use Permit request is referred to as the "Application".

(ii). On November 13, 2012 this Commission conducted a duly noticed public hearing, as required by law, and concluded said hearing prior to the adoption of this Resolution.

(iii). All legal prerequisites to the adoption of this Resolution have occurred.

**B. Resolution.**

NOW, THEREFORE, it is hereby found, determined and resolved by the Planning Commission of the City of Placentia as follows:

1. The Commission hereby specifically finds that all of the facts set forth in the Recitals, Part A., of this Resolution are true and correct.

2. Based upon substantial evidence presented to this Commission during the public hearing conducted with regard to the Application, including written staff reports, verbal testimony and development plans, this Commission hereby specifically finds as follows:

a. The proposed use will not be: (1) detrimental to the health, safety or general welfare of the persons residing or working within the neighborhood of the proposed use or within the city, or (2) injurious to the property or improvements within the neighborhood or within the city. Subject to compliance with the attached Special Conditions of Approval and Standard Development Requirements (Attachment "A"), this use complies with all applicable code requirements and development standards of the "M" Manufacturing

District and Placentia Municipal Code Chapter 23.82, Wireless Communication Facilities.

b. According to the submitted Radio Frequency - Electromagnetic Energy (RF-EME) Compliance Report, the proposed Sprint modifications are regulated by the Federal Communications Commission (FCC) and will operate within the frequencies established for Specialized Mobile Radio operators. The Sprint wireless telecommunication facility will operate at the lowest possible power levels that are below established standards used by the FCC for safe human exposure to radio frequency electromagnetic fields. These standards have been tested and considered safe by the American National Standards Institute (ANSI) and the Institute of Electrical and Electronics Engineers (IEEE). Included with the application is a Report of Compliance with FCC/FAA from Richard A. Tell of Richard Tell Associates, Inc., Consulting Engineer concluding that the facility will comply with the prevailing standards for limiting public exposure to radio frequency energy and will not cause a significant impact on the environment.

c. With adherence to the Conditions of Approval related to aesthetic improvements, the wireless communication facility will not have a visual or aesthetic impact on the property or in the immediate vicinity. The facility shall include faux branches down to a level no higher than twelve (12) feet from the ground in a manner that provides a general pine tree appearance (at least 2.25 branches per foot) up to the existing branches. Further, all antenna units are to be painted green or green/brown patterns and shall be covered with panel covers (socks) with matching branch material. Special Conditions of Approval have been included to require that all new cable/utility runs are to be placed underground. New equipment shall be placed within an existing equipment room. The applicant has indicated that the Sprint equipment operates quietly or almost noise free. The equipment does not emit fumes, smoke or objectionable odors.

d. The proposed use is consistent with the City's General Plan. The General Plan Land Use designation for the subject site is "Industrial", and the proposed use does not involve any change in the land use of the subject site. Wireless communications facilities are permitted in the "M" Manufacturing.

e. The proposed use, activity or improvements, subject to the attached Special Conditions of Approval and Standard Development Requirements (Attachment "A"), is consistent with the provisions of the Zoning Ordinance or regulations applicable to the

property. The proposed use is a permitted use in the "M" Manufacturing District in the City of Placentia.

f. Conditions necessary to secure the purposes of this section, including guarantees and evidence of compliance with conditions are made part of the Use Permit approval. Attachment "A" contains Special Conditions of Approval and Standard Development Requirements specific to Use Permit 2012-11 to ensure compliance with the Placentia Municipal Code.

3. The Planning Commission specifically finds that the Application is Categorically Exempt pursuant to the California Environmental Quality Act of 1970, as amended, the Guidelines promulgated thereunder (14 CCR § 15303) and Placentia Environmental Guidelines.

4. The Planning Commission hereby directs that, upon approval of Use Permit 2012-11, a Notice of Exemption be filed with the Orange County Clerk/Recorder.

5. Based upon the findings and conclusions set forth herein, this Planning Commission hereby approves Use Permit 2012-11 as modified herein, and specifically subject to the conditions set forth in Attachment "A" attached hereto and by this reference incorporated herein.

6. The Secretary to the Planning Commission shall:

- a. Certify to the adoption of this Resolution; and
- b. Forthwith transmit a certified copy of this Resolution, by certified mail, to the Applicant at the address of record set forth in the Application.

[[[[[[ SIGNATURES ON FOLLOWING PAGE ]]]]]]

ADOPTED AND APPROVED this 13th day of November, 2012.

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Chairman

I, Kenneth A. Domer, Secretary to the Planning Commission of the City of Placentia, do hereby certify that the foregoing Resolution was introduced at a regular meeting of the Planning Commission of the City of Placentia held on the 13<sup>th</sup> day of November, 2012, and was passed at this regular meeting of the Planning Commission of the City of Placentia held on the 13<sup>th</sup> day of November, 2012, by the following vote:

AYES:	COMMISSION MEMBERS:
NOES:	COMMISSION MEMBERS:
ABSENT:	COMMISSION MEMBERS:
ABSTAINED:	COMMISSION MEMBERS:

ATTEST:

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Secretary to the Planning Commission

APPROVED AS TO FORM:

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Andrew V. Arczynski,  
City Attorney

**Attachment "A"**  
**Special Conditions of Approval and Standard Development Requirements for  
Use Permit (UP) 2012-11**

**SPECIAL CONDITIONS**

If the above referenced application is approved, applicant and/or property owner shall comply with the Special Conditions listed below and the Standard Development Requirements attached.

**ALL OF THE FOLLOWING SPECIAL CONDITIONS OF APPROVAL AND STANDARD DEVELOPMENT REQUIREMENTS SHALL BE FULLY COMPLIED WITH FOR THE USE PERMIT TO CONTINUE IN GOOD STANDING.**

**CITY PLANNING DIVISION:**

1. Use Permit (UP) 2012-11 is valid for a period of twelve (12) months from the date of final determination. If the use approved by this action is not established within such a period of time, this approval shall be terminated and shall be null and void.
2. Use Permit (UP) 2012-11 shall expire and be of no further force or effect if the use is discontinued or abandoned for a period of one (1) year.
3. The applicant shall, as a condition of project approval, at its sole expense, defend, indemnify and hold harmless the City, its officers, employees, agents and consultants from any claim, action, proceeding, liability or judgment against the City, its officers, employees, agents and/or consultants, which action seeks to set aside, void, annul or otherwise challenge any approval by the City Council, Planning Commission, or other City decision-making body or City staff action concerning applicant's project. The applicant shall pay the City's defense costs, including attorney fees and all other litigation-related expenses, and shall reimburse the City for any and all court costs, which the City may be required to pay as a result of such defense. The applicant shall further pay any adverse financial award which may issue against the City including but not limited to any award of attorney fees to a party challenging such project approval. The City shall retain the right to select its counsel of choice in any action referred to herein, subject to notice to the applicant. The City agrees to promptly notify the applicant of any such claim filed against the City and to fully cooperate in the defense of any such action.
4. Prior to any modifications to the plans that would affect the location or visibility of the wireless communication facility and/or the ground installation; the applicant shall obtain prior written approval from the Development Services Department.
5. No expansion or modification of the wireless communications facility shall occur at any time without first obtaining approval from the Development Services Department.

The Director, or designee, may require that an expansion or future modification of the use permit requires Planning Commission discretionary review.

6. Applicant shall obtain approval of a Building and Zoning Compliance Application and shall obtain a valid Business License prior to the issuance of any building permits. Business Licenses for all sub-contractors shall be obtained.
7. Applicant shall provide to the Development Services Department a preliminary report and field report, both prepared by a licensed engineer, indicating that the operation of the facility is in full conformance with the standards established by the American National Standards Institute (ANSI) and the Institute of Electrical and Electronics Engineers (IEEE) for safe human exposure to electromagnetic fields (EMF) and radio frequency radiation (RFR). These reports are due within ninety (90) days after the start of operations.
8. Applicant shall receive and maintain a license by the Federal Communications Commission (FCC) to operate a wireless communication facility in this location. A copy of this FCC license shall be submitted to the Development Services Department prior to the issuance of any building permits.
9. The major wireless communications facility shall be approved for a period not to exceed the term of the lease. A copy of the lease shall be submitted to the Development Services Department prior to the issuance of a building permit for the new wireless communication facility.
10. If the lease is extended or terminated, notice and evidence thereof shall be provided to the Development Services Department.
11. Use Permit (UP) 2012-11 shall be reviewed by the Development Services Department ten (10) years from the date of approval to ensure compliance with all Special Conditions of Approval and Standard Development Requirements.
12. Applicant shall place all cable/utility runs underground.
13. The applicant's new ground-mounted equipment shall be located within the existing ground lease area. Applicant shall cooperate with the pole owner to maintain the "Monopine" and its ground lease and related enclosure in good visual and physical condition at all times.
14. Wireless communication facilities shall not bear any signs or advertising devices other than certification, warnings or other required seals or signage at any time.
15. The applicant shall maintain its wireless telecommunication equipment in good condition and shall make repairs and replacements of equipment, stealth and structural components, due to damage caused by outdoor exposure and/or inclement weather. Under this condition, working with the pole owner, if the faux branch attachments and/or trunk bark features, among others, fade in color due to outdoor exposure, the applicant shall replace such components within 60 days of written notice by the Director of Development Services or his/her designee. If the work cannot be completed within 60 days, the applicant shall provide the City with a bond

or certification of deposit in the amount of the valuation of the requested repair and completion timeline to guarantee the work. The applicant shall be responsible for maintaining the leased property, including any applicable landscaped areas, walkways and all paved surfaces, free from graffiti, debris and litter at all times.

16. The applicant shall comply with all provisions of the Placentia Municipal Code, including Chapter 23.76, Noise Control.
17. Prior to issuance of building permit, the applicant is required to provide the City with a letter and timeline from the pole owner regarding installation of new branch and antenna sock material. The applicant shall either install or work with the pole owner to install new branch foliage which shall vary in density, spacing, size and angle to avoid rigid symmetry; overall tree shape shall integrate with the context of the site; colors of the faux trunk and branches shall be non-reflective; green leaves/needles shall be interspersed with brown to provide more natural appearance, and the exterior surface of the faux trunk shall emulate the texture of a real tree; all antennas (panels, microwave and GPS), mounting brackets, and coaxial cables shall be completely screened from public view by the faux foliage and painted to match; branch foliage shall continue down the faux trunk so as to fully conceal the trunk from prominent public vantage points; and the overall design shall substantially conform to and implement the visual effect of an actual pine tree. The branches at the top of the "Monopine" shall form a natural peak and not appear to have a flat top. Branches shall be at least 2.25 per foot from a level no higher than twelve (12) feet above ground level. All aesthetic design shall be approved by the Director of Development Services prior to issuance of building permits.
18. The property owner shall not at any time rent the existing house as a residence at anytime.

**CITY BUILDING DIVISION:**

19. The building plans shall be prepared by a California licensed structural/civil engineer, with structural details and calculations regarding wind and seismic loads. Each page of plans shall be wet-signed.
20. Structural plans and calculations for the new antennas shall consider the extra weight that applies to the existing monopine structure.
21. Building and electrical permits shall be required for the new antennas, remote radio heads and other equipment to include, but not limited to: microwave dishes, lighting and related ground-mounted equipment related to this project.
22. All contractors and sub-contractors shall obtain a city business license. Applicant and/or contractor shall request a standard sub-contractor form from the City Building Division prior to issuance of a building permit. This standard form shall be completed and submitted to the City Business License Division prior to the issuance of any building permits.

**CITY POLICE DEPARTMENT:**

23. Burglary resistant material shall be used:
  - (1) Products intended for use shall be permanently labeled as such.
  - (2) Materials used shall meet UL 972 Standards for Safety Burglary Resistant Glazing Materials.
  - (3) Only materials approved by ICBO shall be used.
  
24. Address numbers shall be mounted near the front entry of any building or other conspicuous location and be no less than six (6) inches high. They shall be mounted on a contrasting background and easily visible from the street or walkway. If rear-vehicular access, the same numbers, no less than six (6) inches high shall be displayed on the rear of the building. Numerals of the street address shall be displayed on the uppermost roof, in luminous paint or other material capable of being read from the air. Minimum numeral size shall be twenty-four (24) inches. The building designation, if within a complex (such as "A" or "B" etc) shall accompany displayed street address.
  
25. Exterior lighting of an intensity of at least twenty-five hundredths (.25) foot-candles shall be provided adjacent to doors and windows. Exterior bulbs shall be protected by polycarbonate or other weather and vandal resistant globe or cover. Light(s) shall be operated during hours of darkness through either photovoltaic sensors or appropriate timers. Parking lots for use by the general public and/or employees shall be provided with exterior lighting of an intensity of at least one (1) foot-candle of light on the parking surface and operated from dusk until at least one-half (1/2) hour after the termination of business.

**ORANGE COUNTY FIRE AUTHORITY:**

24. No conditions specified by OCFA.

# VICINITY MAP

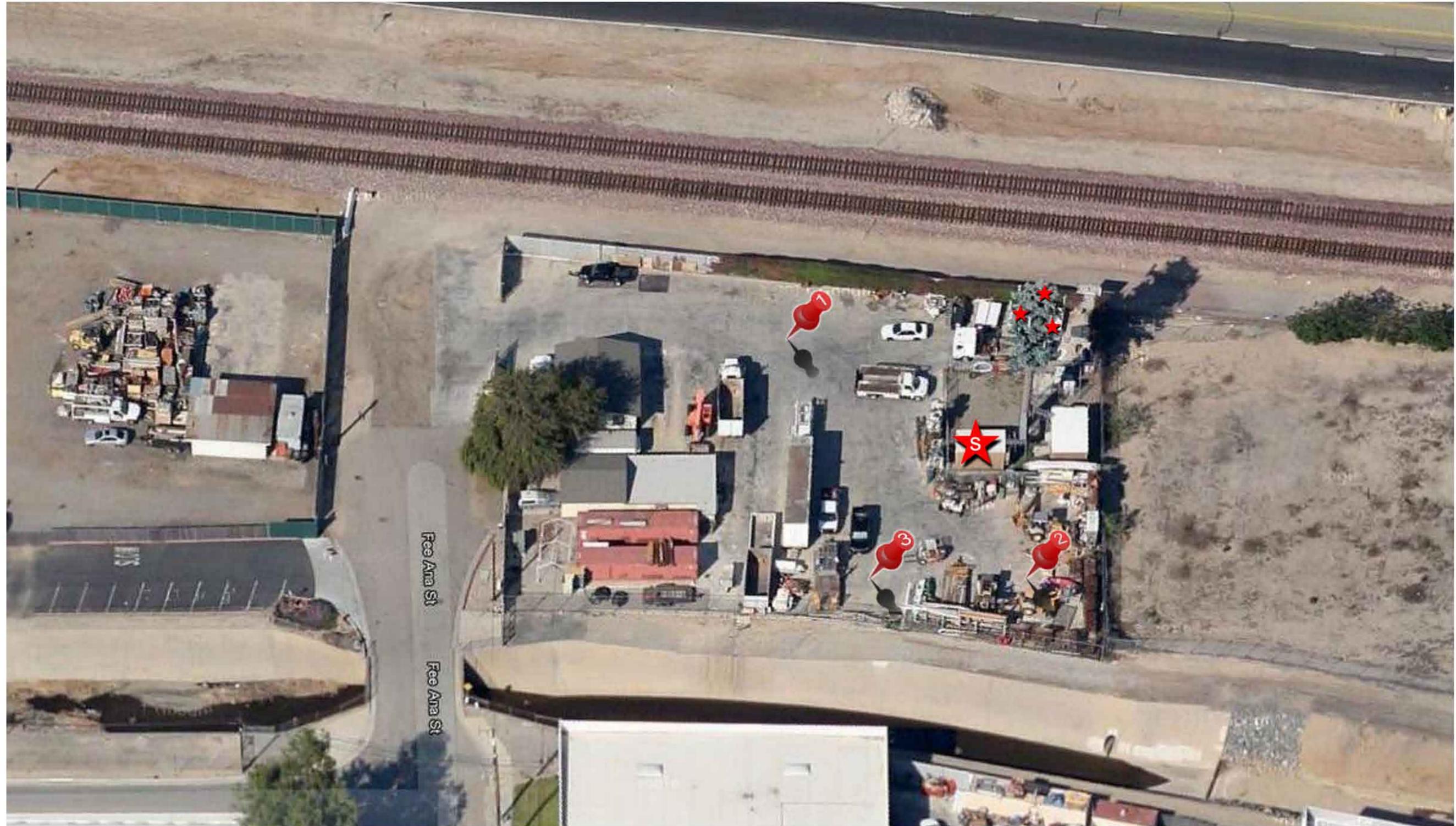
## PHOTOSIMULATION VIEWPOINTS



CASH  
OG73XC760  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870



5865 AVENIDA ENCINAS, STE. 142B  
CARLSBAD, CA 92008  
OFFICE: (858) 229-6828



PHOTOSIMULATION VIEW 1



# PHOTOSIMULATION VIEW 2



CASH  
OG73XC760  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870



5865 AVENIDA ENCINAS, STE. 142B  
CARLSBAD, CA 92008  
OFFICE: (858) 229-6828



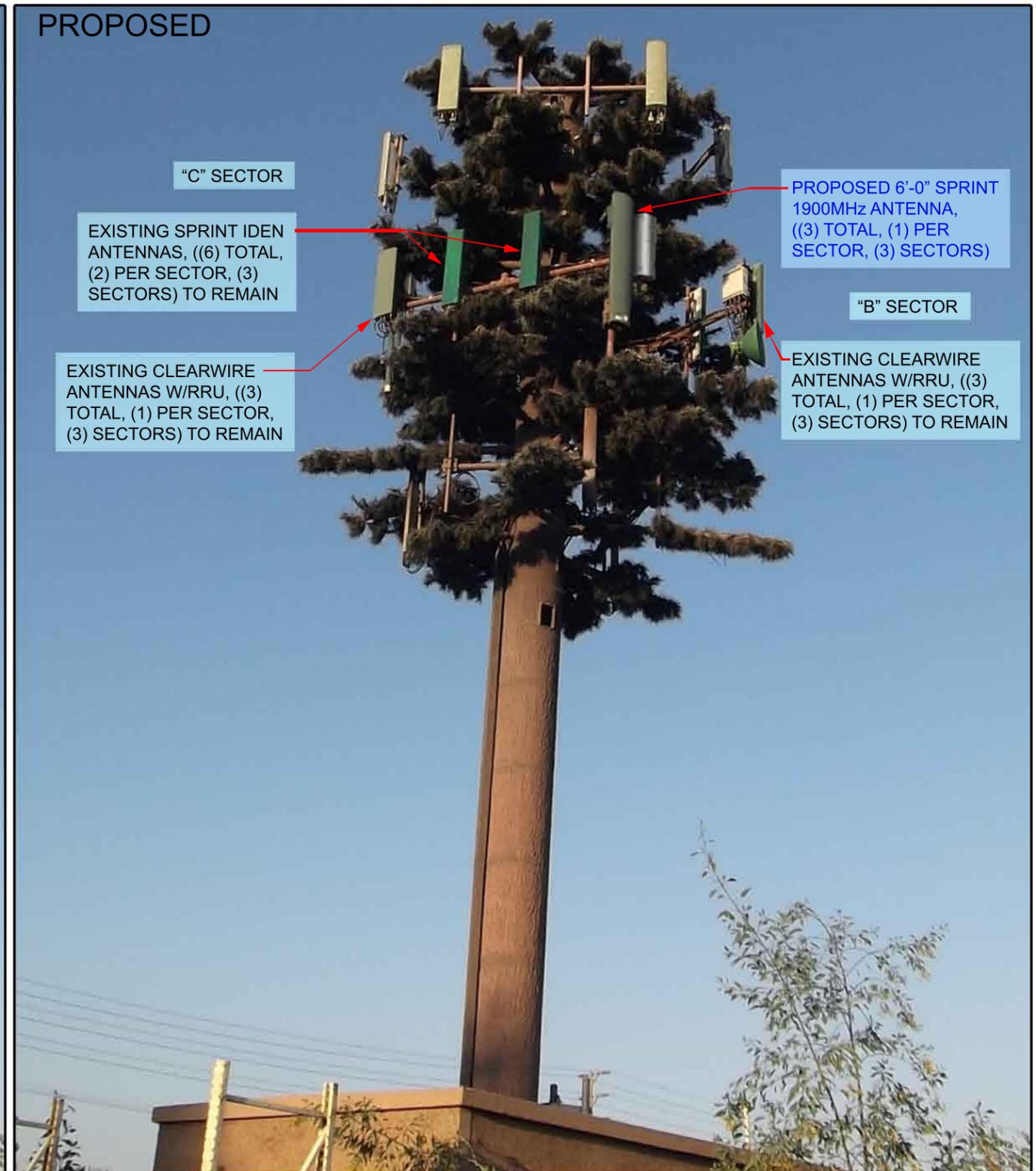
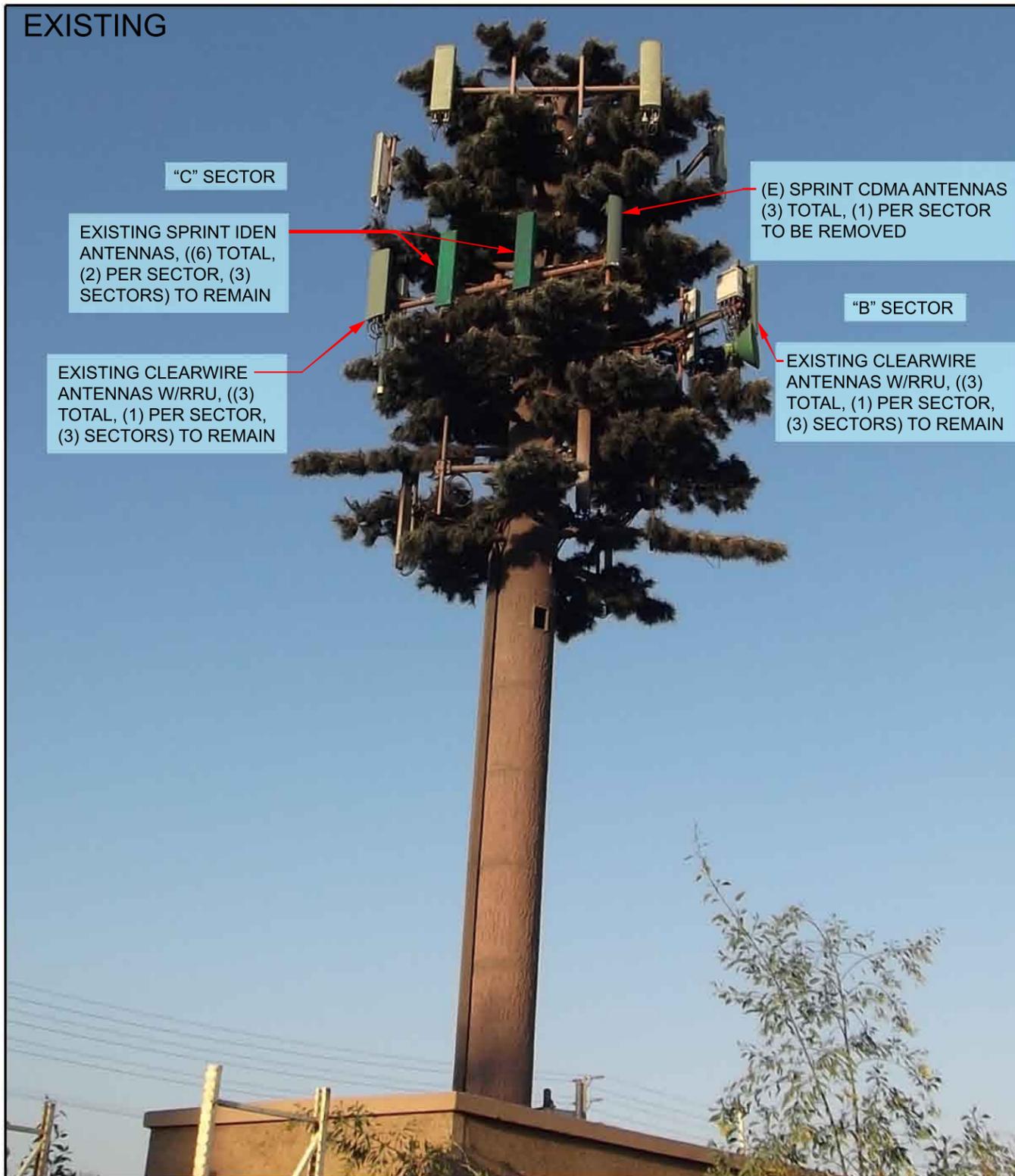
# PHOTOSIMULATION VIEW 3



CASH  
OG73XC760  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870



5865 AVENIDA ENCINAS, STE. 142B  
CARLSBAD, CA 92008  
OFFICE: (858) 229-6828





**GENERAL NOTES:**

1. THE CONTRACTOR SHALL NOTIFY CARRIER OF ANY ERRORS, OMISSIONS, OR INCONSISTENCIES AS THEY ARE DISCOVERED IN PLANS, DOCUMENTS, NOTES, OR SPECIFICATIONS PRIOR TO STARTING CONSTRUCTION INCLUDING, BUT NOT LIMITED BY, DEMONSTRATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS, OMISSIONS, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF CARRIER CONSTRUCTION PROJECT MANAGER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTING ANY ERROR SHALL FIRST BE APPROVED BY CARRIER CONSTRUCTION PROJECT MANAGER.
2. PRIOR TO THE SUBMISSION OF BIDS, CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE (B) PROJECT. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR HAVING BEEN AWARDED THIS PROJECT SHALL VISIT THE CONSTRUCTION SITE WITH THE CONSTRUCTION/CONTRACT DOCUMENTS TO VERIFY FIELD CONDITIONS AND CONDITIONS THAT THE PROJECT WILL BE ACCOMPLISHED AS SHOWN, PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT VERBALLY AND IN WRITING.
3. FOR COLLOCATION SITES: CONTACT TOWER OWNER REPRESENTATIVE FOR PARTICIPATION IN BID WALK.
4. THE ARCHITECTS HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE HEREBY CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (OR WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.
5. OWNER, CONTRACTOR, AND CARRIER CONSTRUCTION PROJECT MANAGER SHALL MEET JOINTLY TO VERIFY ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION.
6. THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL PERFORM WORK DURING PROPERTY OWNER'S PREFERRED HOURS TO AVOID DISTURBING NORMAL BUSINESS.
8. THE CONTRACTOR SHALL PROVIDE CARRIER PROPER INSURANCE CERTIFICATES NAMING CARRIER AS ADDITIONAL INSURED, AND CARRIER PROOF OF LICENSE(S) AND PE & PB INSURANCE.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/VEHICLE'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
10. ALL WORK PERFORMED ON THE PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LOCAL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
11. THE CONTRACTOR SHALL STUDY THE STRUCTURAL, ELECTRICAL, AND MECHANICAL PLANS AND CROSS CHECK THEIR DETAILS, NOTES, DIMENSIONS, AND ALL REQUIREMENTS PRIOR TO THE START OF ANY WORK.
12. THE REFERENCES ON THE DRAWINGS ARE FOR CONVENIENCE ONLY AND SHALL NOT LIMIT THE APPLICATION OF ANY DRAWING OR DETAIL.
13. ALL (E) CONSTRUCTION, EQUIPMENT, AND FINISHES NOTED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE REMOVED FROM THE SITE WITH THE FOLLOWING EXCEPTIONS:
  - a. PROPERTY NOTED IN WRITING TO BE RETURNED TO THE OWNER.
  - b. PROPERTY NOTED IN WRITING TO BE REMOVED BY THE OWNER.
14. PRIOR TO THE POURING OF ANY NEW SLAB OR AN (E) SLAB THE CONTRACTOR SHALL VERIFY LOCATIONS AT ALL OPENINGS, CHASES, AND EQUIPMENT WHICH ARE TO BE INCORPORATED INTO THE NEW WORK. ALL ITEMS DESIGNATED TO BE ABANDONED SHALL BE NOTED AND DISCUSSED WITH THE OWNER AND CARRIER CONSTRUCTION MANAGER AS PART OF THE AS-BUILT DRAWING PACKAGE.
15. SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THIS PROJECT SITE.
16. BUILDING INSPECTORS AND/OR OTHER BUILDING OFFICIALS ARE TO BE NOTIFIED PRIOR TO ANY GRADING, CONSTRUCTION, AND ANY OTHER PROJECT EFFORT AS MANDATED BY THE GOVERNING AGENCY.
17. THE COMPLETED PROJECT SHALL COMPLY WITH LOCAL SECURITY CODES AND TITLE-24 ENERGY CONSERVATION REQUIREMENTS. (TITLE-24 WHEN APPLICABLE)
18. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT (E) SITE IMPROVEMENTS, HARDSCAPING, EXISTENCES, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK THE CONTRACTOR SHALL REPAIR ALL DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION OR DEBRIEF THE PROPERTY.
19. CONTRACTOR SHALL KEEP GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION. CONTRACTOR SHALL REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OR PREMISES. SITE SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMOGUES OF ANY NATURE.
20. CONTRACTOR IS TO PROVIDE PROTECTION FOR ADJACENT PROPERTIES FROM PHYSICAL HARM, NOISE, DUST, FIRE, AND FALLING OBJECTS AS REQUIRED BY THE GOVERNING AGENCIES.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE STORAGE OF ALL BUILDING MATERIALS AND SHALL NOT DO SO ON PUBLIC PROPERTY WITHOUT A PERMIT FROM THE GOVERNING AGENCIES.
22. GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
23. CARRIER DOES NOT GUARANTEE ANY PRODUCTS, FIXTURES, AND/OR ANY EQUIPMENT NAMED BY A TRADE OR MANUFACTURER. GUARANTEE WARRANTY THAT MAY BE IN EFFECT IS DONE SO THROUGH THE COMPANY OR MANUFACTURER PROVIDING THE PRODUCT, FIXTURE, AND/OR EQUIPMENT ONLY. UNLESS SPECIFIC RESPONSIBILITY IS ALSO PROVIDED BY THE CONTRACTOR/SUBCONTRACTOR IN WRITTEN FORM.
24. CONTRACTOR TO REPORT ANY (E) UNDERGROUND UTILITIES ENCOUNTERED DURING TRENCHING AND GENERAL CONSTRUCTION.
25. CONTRACTOR TO REPLACE AND/OR REROUTE ANY (E) UNDERGROUND UTILITIES ENCOUNTERED DURING TRENCHING AND GENERAL CONSTRUCTION.
26. WHEN APPLICABLE, CONTRACTOR IS RESPONSIBLE TO CALL, COORDINATE AND/OR MAKE ARRANGEMENTS FOR RIGHT-OF-WAY AND/OR PRIVATE PROPERTY ACROSS BASED ON SPECIFIC SITE REQUIREMENTS.
27. CONTRACTORS TO DOCUMENT ALL WORK PERFORMED WITH PHOTOGRAPHS AND SUBMIT TO CARRIER ALONG WITH REDUCED CONSTRUCTION SET.
28. CONTRACTOR SHALL DOCUMENT ALL CHANGES MADE IN THE FIELD BY MARKING UP (REDLINING) THE APPROVED CONSTRUCTION SET AND SUBMITTING THE REDUCED ALONG WITH PHOTOGRAPHS PER CARRIER REQUIREMENTS.
29. GENERAL CONTRACTOR IS TO COORDINATE ALL POWER INSTALLATION WITH POWER COMPANY AS REQUIRED. CONTRACTOR TO REPORT POWER INSTALLATION COORDINATION SOLUTIONS TO NETWORK CARRIER REPRESENTATIVE, PROJECT CONSTRUCTION MANAGER AND ARCHITECT.
30. ANY SUBSTITUTIONS OF MATERIALS AND/OR EQUIPMENT, MUST BE APPROVED BY CARRIER CONSTRUCTION MANAGER.
31. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEADY ALL FAULTY, DEFECTIVE, AND/OR DEFERRED MAINTENANCE AND DEFERRED MAINTENANCE WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE AND ACCEPTED UNDER THIS CONTRACT; UNLESS NOTED OTHERWISE IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR. THE GENERAL CONTRACTOR SHALL MAINTAIN AND FURNISH A MAINTENANCE AGREEMENT FOR ALL WORK DONE, GOVERNED BY THE GENERAL CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATERIGHT CONDITION FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.
32. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR THE SAFETY OF THE OWNER'S EMPLOYEES AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
33. CARRIER WILL REVIEW AND APPROVE SHOP DRAWINGS AND SAMPLES FOR CONFORMANCE WITH DESIGN CONCEPT. CARRIER CARRIER APPROVAL OF A SEPARATE ITEM SHALL NOT INCLUDE APPROVAL OF AN ASSEMBLY IN WHICH THE ITEM FUNCTIONS.
34. CONTRACTOR TO PROVIDE TRENCH AS REQUIRED TO INSTALL BOTH ELECTRICAL AND TELEPHONE UNDERGROUND CONDUITS (#40 PVC) PER S.C.E. WORKORDER, BACKFILL WITH CLEAN SAND AND COMPACT WITH COMPACTOR. THE BEST PRACTICE INSPECTOR REPLACE FINISH GRADE WITH MATCHING MATERIALS (GRASS, ASPHALT, CONCRETE, ETC.)
35. CONTRACTOR TO PROVIDE HEAVY STEEL PLATES AT OPEN TRENCHES FOR SAFETY AND TO PROTECT (E) GROUND SURFACES FROM HEAVY EQUIPMENT UTILIZED DURING CONSTRUCTION.
36. CONTRACTOR TO REPAIR ALL GROUND SURFACES WITHIN THE CONSTRUCTION AREA AS NECESSARY TO PROVIDE A UNIFORM SURFACE AND MAINTAIN (E) SURFACE DRAINAGE SLOPES.
37. CONTRACTOR TO REPLACE LANDSCAPE VEGETATION THAT WAS DAMAGED DUE TO CONSTRUCTION, AND TO MAINTAIN LINES TO OPERATING CONDITION, PROVIDING FULL COVERAGE TO IMPACTED AREAS.
38. THIS FACILITY IS AN UNMANNED CELLULAR TELEPHONE EQUIPMENT FACILITY. THE OCCUPANCY CLASSIFICATION IS B [2007 CBC, TITLE 24, PART 2, VOLUME 1, SECTION 3113.2, AND SECTION 301.1, EXCEPTION #1].
39. THIS FACILITY IS EXEMPT FROM DISABLED ACCESSIBILITY REQUIREMENTS PER 2007 CBC SECTION 1108B.3.4 EXCEPT FOR INCARCERATION FACILITIES. CONTRACTOR SHALL ENTERED ONLY BY SERVICE PERSONNEL. THIS SPACE IS NOT FOR HUMAN OCCUPANCY.
40. THE CONTRACTOR SHALL VERIFY ALL (E) CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING THEIR BID. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS SHALL BE REFERRED TO THE ARCHITECT PRIOR TO SUBMITTING BIDS, AND PROCEEDING WITH ANY WORK.
41. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, & NOTES PRIOR TO STARTING CONSTRUCTION. BUT NOT LIMITED BY DEMONSTRATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS, OMISSIONS, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT. INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTING SHALL BE APPROVED BY THE ARCHITECT OR THE ENGINEER RESPONSIBLE OF THE PROJECT.
42. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL (E) UTILITIES WHETHER OR NOT PLANNED TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK. CONTACT 1206 DOW AVE. # 400-227-2800
43. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION, ANY DAMAGE TO NEW OR (E) SURFACES, STRUCTURES OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGED AREAS.
44. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE CONSTRUCTION SET REFLECTS THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AND A COPY OF DOCUMENTS, ALL AS-BUILT CHANGES, REVISIONS, ADDENDA, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT/REVISED DRAWINGS TO THE ARCHITECT OR THE ENGINEER RESPONSIBLE OF THE PROJECT AT THE CLOSE OF THE PROJECT.
45. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE WORK IS IN PROGRESS UNTIL THE JOB IS COMPLETE.
46. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.
47. ALL CONSTRUCTION THROUGH THE PROJECT SHALL CONFORM TO THE LATEST C.B.C. AND ALL OTHER GOVERNING CODES, INCLUDING THE CALIFORNIA ADMINISTRATIVE CODES TITLE 6, 19, AND 24, AND THE MOST RESTRICTIVE CODE SHALL GOVERN.
48. THE CONTRACTOR AND SUBCONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE REGULATIONS INCLUDING ALL OSHA REQUIREMENTS.
49. WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE SITE. TEMPORARY STORING OR BRACING SHALL BE PROVIDED WHERE THE SOIL DOES NOT HAVE THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.
50. THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK. USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS, IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE PROJECT.
51. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES, FEES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. HE/SHE MUST PROVIDE 1911 ADDRESS TO SPYNT WIRELESS, BUILDING PERMIT APPLICATIONS SHALL BE SUBMITTED TO THE LOCAL GOVERNING AGENCY. CONTRACTOR SHALL OBTAIN THE PERMIT AND HAVE FINAL PLAN SET DOCUMENT, AND COORDINATE ALL PORTIONS OF THE WORK UNDER THE PROJECT.
52. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE DRAWINGS ARE NOT TO BE SCALED UNDER ANY CIRCUMSTANCES.
53. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BRACING, FRAMING, HANGERS OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
54. THE CONTRACTOR IS TO PROVIDE PORTABLE FIRE EXTINGUISHERS HAVING A MINIMUM 2A:10-B:C RATING WITHIN 75FT. OF TRAVEL TO ALL PORTIONS OF THE CONSTRUCTION AREA. [2007 CFC SECTION 906-1-1 & 7 AND SECTION 906.3(1)]
55. MATERIALS TESTING SHALL BE TO THE LATEST STANDARD AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR APPROVING THE RESULTS.
56. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
57. ALL DEBRIS AND REFUSE IS TO BE REMOVED FROM THE PROJECT CONTINUOUSLY AND PREMISES SHALL BE LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.
58. BUILDING INSPECTORS AND/OR OTHER BUILDING OFFICIALS ARE TO BE NOTIFIED PRIOR TO ANY GRADING AND CONSTRUCTION AS MANDATED BY THE GOVERNING AGENCY.
59. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLARIFICATION. CONTRACTOR IS RESPONSIBLE FOR THE CLARIFICATION OF THE DRAWINGS.
60. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, BRACING, 115, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL ORDINANCES TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
61. THE CONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
62. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY THAT RESULTS FROM ANY DECISIONS MADE BY CONTRACTOR AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO NORMALLY HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
63. SITE GRADING SHALL COMPLY WITH SPRINT/NEXTEL GRADING STANDARDS, LATEST EDITION AND COMPLY WITH SPRINT/NEXTEL GRADING CHECKLIST, LATEST VERSION. OTHER NATIONAL AND LOCAL GRADING CODES ARE MORE STRINGENT, THEY SHALL GOVERN. GRADING SHALL BE COMPLETED BEFORE ERECTION OF A NEW TOWER.
64. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. IF TEMPORARY LIGHTING AND MARKING ARE REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.
65. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
66. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
67. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE NOTICE TO THE BUILDING INSPECTION DEPARTMENT TO SCHEDULE THE REQUIRED INSPECTIONS. A MINIMUM OF 24 HOURS OF NOTICE SHOULD BE GIVEN AND THE BUILDING INSPECTION DEPARTMENT HAS REQUESTED THAT GROUPS OF TWO OR THREE SITES BE SCHEDULED AT ONE TIME IF POSSIBLE.
68. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS AND TOWER DRAWINGS/ANALYSIS. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF THE TOTAL BID PACKAGE PRIOR TO BID SUBMITTING.
69. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
70. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES; ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
71. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE KEPT TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO TREES AND VEGETATION OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR.
72. ALL SUITABLE BORROW MATERIAL FOR BACKFILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
73. SEEDING AND MULCHING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.
74. RECORD DRAWINGS MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS, ETC., BETWEEN THE WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
75. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL BOXES, TRANSFORMERS, VAULTS, PUMP, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOR-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

**SYMBOLS:**

- (V) GRID REFERENCE
- (A) DETAIL REFERENCE
- (E) ELEVATION REFERENCE
- (S) SECTION REFERENCE
- CENTELINE
- PROPERTY/LEASE LINE
- MATCH LINE
- WORK POINT
- GROUND CONDUCTOR
- T — TELEPHONE CONDUIT
- E — ELECTRICAL CONDUIT
- A — OVERHEAD CABLE
- O/H — OVERHEAD SERVICE CONDUCTORS
- GROUT OR PLASTER
- (C) BRICK
- (M) MASONRY
- CONCRETE
- EARTH
- GRAVEL
- PLYWOOD
- SAND
- WOOD CONTINUOUSLY
- WOOD BLOCKING
- STEEL
- (N) NEW
- (E) EXISTING
- NEW ANTENNA
- ANTENNA
- GROUND ROD
- GROUND BUS BAR
- MECHANICAL DRWG. COMM.
- CAWLEAD
- GROUND ACCESS WELL
- ELECTRIC BOX
- TELEPHONE BOX
- LIGHT POLE
- ENCL. MONUMENT
- SPOT ELEVATION
- SET POINT
- REVISION





**PROJECT INFORMATION:**

NETWORK VISION MBMTS LAUNCH

**CASH**  
OG73XC760

506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

**ISSUE DATE:** 7/25/2012

**ISSUED FOR:** 90% CD

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
A	3/28/12	ISSUED FOR BIDDING REVIEW	DC
B	5/11/12	90% CD	JB
C	7/25/12	90% CD	JB

NOT FOR CONSTRUCTION UNLESS LABELLED AS CONSTRUCTION SET

**LICENSURE:**

**SHEET TITLE:**

**GENERAL NOTES & SYMBOLS**

**SHEET NUMBER:** **REVISION:**

T-2

C





**BATTERY INFORMATION /NOTES:**

BATTERY MFG: EXOT PDM MANUFACTURING  
 MODEL No.: 12MR-14SL  
 ELECTROLYTE CONTENT PER BATTERY: 2.17 GALLONS  
 ELECTROLYTE HAZARD CLASSIFICATION: PER 101 C.F.C. (8.7% SULFURIC ACID) CORROSIVE  
 No. OF BATTERIES TO BE INSTALLED: 20 MAX. (20 PER CABINET)  
 TOTAL ELECTROLYTE CONTAINED ON SITE (2.17 x 20 = 43.4): 43.4 GALLONS MAX.

- A. QUANTITIES OF 500 GAL. OR LESS ARE EXEMPT PER TABLE 3-1 OF THE 1997 U.B.C.  
 B. SINGLE VESSEL CAPACITIES OF 20 GAL. OR LESS, AND AGGREGATE QUANTITIES NOT IN EXCESS OF 100 GAL. ARE EXEMPT PER ARTICLE 64 OF THE 2007 C.F.C.  
 C. QUANTITIES LESS THAN 50 GAL. ARE EXEMPT FROM C.F.C. ARTICLE 64, AND SHALL NOT REQUIRE PERMIT.  
 D. ANY CHANGES OR ADDITIONS TO BACK-UP BATTERIES MUST COMPLY WITH 2007 C.F.C. ARTICLE 64, AND SHALL NOT CONTAIN ELECTROLYTE QUANTITIES IN EXCESS OF 50.

**GENERATOR ACCESSORIES**

1. MAIN LINE CIRCUIT BREAKER-100 AMPS, INSTALLED ON GENERATOR
2. VOLTAGE REGULATOR 42% SAFEGUARD BREAKER

**ENGINE ELECTRICAL ACCESSORIES**

1. ELECTRONIC/SYNCHRONOUS GOVERNOR
2. BATTERY RACK, CABLES AND STARTING BATTERY SYSTEM-LEAD ACID TYPE
3. BATTERY CHARGER-AUTOMATIC 6 AMP OUTPUT

**FIRE DEPARTMENT NOTES:**

- A. FIRE DEPARTMENT FINAL INSPECTION REQUIRED. SCHEDULE INSPECTION 2 DAYS IN ADVANCE.  
 B. A CFC PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.  
 C. A CFC PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.  
 D. A HAZARDOUS MATERIALS IDENTIFICATION SIGN IS REQUIRED FOR ALL ENTRANCES INTO BATTERY STORAGE AREAS. LETTERS MUST BE AT LEAST 1" IN HEIGHT AND IN A COLOR WHICH CONTRASTS TO THE BACKGROUND OF THE SIGN AND LIST THE FOLLOWING:

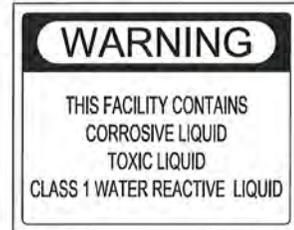
CLASS 1 WATER REACTIVE LIQUID  
 TOXIC LIQUID  
 CORROSIVE LIQUID  
 OTHER HEALTH HAZARDOUS LIQUID

- E. AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.  
 F. BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.  
 G. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10-1, AND PLACEMENT IS SUBJECT TO APPROVAL OF THE FIRE INSPECTOR.  
 H. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.  
 I. EXIST DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.  
 J. ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.  
 K. REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, IN A COLOR THAT CONTRASTS TO THE SIGN BACKGROUND, AND SHALL BE PROMINENTLY DISPLAYED.  
 L. REQUIRED SIGNAGE SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, APPLICABLE TYPES FROM EXAMPLES SHOWN HEREIN (SEE SIGNAGE).

ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
A.B.	ANCHOR BOLT	FAB.	FABRICATION(OR)	PWR.	POWER (CABINET)
ABV.	ANTENNA	F.F.	FINISH FLOOR	QTY.	QUANTITY
ACCA	ADDITIONAL	F.F.G.	FINISH GRADE	RAD.(R)	RADIO
AGG'L	AGGREGATE	F.F.S.	FINS(ED)	REF.	REFERENCE
A.F.F.	ABOVE FINISHED FLOOR	F.L.	FLOOR	REIN.	REINFORCEMENT(INC)
ALUM.	ALUMINUM	F.M.	FACE OF MASONRY	REQ'D.	REQUIRED
A.L.T.	ALTERNATE	F.O.C.	FACE OF CONCRETE	RIG.	RIGID GALVANIZED STEEL
ANT.	ANTENNA	F.O.M.	FACE OF MASONRY	R.R.U.	RADIO REMOTE UNIT
APPROX.	APPROXIMATELY	F.O.S.	FACE OF STUD	SCH.	SCHEDULE
ARCH.	ARCHITECTURAL	F.P.	FACE OF WALL	SH.	SHEET
AWG.	AMERICAN WIRE GAUGE	F.S.	FINISH SURFACE	SP.	SPECIFICATION(S)
B.L.K.	BLOCK	F.T.	FOOT(FEET)	SO.	SOLAR
B.L.G.	BLOCKING	F.T.G.	FOOTING	S.S.	STAINLESS STEEL
B.M.	BEAM	G.	GROWTH (CABINET)	STD.	STANDARD
B.N.	BOUNDARY MAILING	G.I.	GALVANIZED	STL.	STEEL
B.T.C.H.	BASE THINW GROUND WIRE	G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER	STRUC.	STRUCTURAL
B.U.F.	BACK-UP	G.L.(G.L.U.-LAM)	GLUE LAMINATED BEAM	TEMP.	TEMPERATURE
B.U.P.	BACK-UP CABINET	G.P.S.	GLOBAL POSITIONING SYSTEM	THK.	THICKNESS
CAB.	CABINET	GRD.	GROUND	TMA	TOWER MOUNTED AMPLIFIER
C.C.	CANTILEVERED	HDR.	HEADER	T.N.	TOP OF WALL
C.I.P.	CAST IN PLACE	H.T.	HEIGHT	T.O.A.	TOP OF ANTENNA
C.L.G.	CLEAR	H.C.B.	ISOLATED COPPER GROUND BUS	T.O.C.	TOP OF CURB
C.L.S.	CLEARANCE	I.N.C.H.	INCHES	T.O.F.	TOP OF FOUNDATION
C.O.L.	COLUMN	I.N.T.	INTERIOR	T.O.P.	TOP OF PLATE (PARAPET)
CONC.	CONCRETE	I.B.(#)	LAG BOLTS	T.O.S.	TOP OF STEEL
CONN.	CONNECTION(OR)	L.F.	LINEAR FEET (FOOT)	T.S.W.	TYPICAL
CONSTR.	CONSTRUCTION	L.L.	LONGITUDINAL	U.G.	UNDER GROUND
CONT.	CONTINUOUS	L.	LENGTH	U.L.	UNDERWRITERS LABORATORY
D.	DOUBLE	L.M.	LONGITUDINAL	U.N.L.D.	UNLESS NOTED OTHERWISE
D.B.L.	DOUBLE BOLT	M.	MAXIMUM	V.I.F.	VERIFY IN FIELD
D.EPT.	DEPARTMENT	M.B.	MACHINE BOLT	W.	WITH
D.F.	DOUGLAS FIR	M.E.C.H.	MECHANICAL	W/	WOOD
DIA.	DIAMETER	M.F.R.	MANUFACTURER	W.P.	WEATHERPROOF
D.I.A.G.	DIAGONAL	M.	MINIMUM	WT.	WEIGHT
D.M.	DIMENSION	MISC.	MISCELLANEOUS	W.	WITH
DWG.	DRAWING(S)	M.T.L.	METAL	W.P.	WEATHERPROOF
D.W.L.	DOWEL(S)	N.	NEW	WT.	WEIGHT
E.	EACH	N.C.(#)	NOT TO SCALE	W.	WITH
E.L.	ELEVATION	N.T.S.	NOT TO SCALE	W.P.	WEATHERPROOF
ELEV.	ELEVATOR	O.C.	ON CENTER	WT.	WEIGHT
E.M.F.	ELECTRICAL	O.P.N.G.	OPENING	W.	WITH
E.N.	EDGE NAIL	P.C.	PRECAST CONCRETE	W.P.	WEATHERPROOF
E.O.	EQUAL	P.C.S.	PERSONAL COMMUNICATION SERVICES	W.	WITH
E.Q.	EQUAL	P.P.	POWER PROTECTION CABINET	W.P.	WEATHERPROOF
E.P.	EXPANSION	P.R.C.	PRIMARY RADIO CABINET	WT.	WEIGHT
EXT.(I)	EXISTING	P.S.F.	POUNDS PER SQUARE FOOT	W.	WITH
EXT.	EXTERIOR	P.S.I.	POUNDS PER SQUARE INCH	W.	WITH
		P.T.	PRESSURE TREATED	W.	WITH

**ABBREVIATIONS**

1



**BATTERY INFO & FIRE DEPT NOTES**

4

**HAZARDOUS MATERIAL SIGNAGE**

2



**SITE IDENTIFICATION SIGNAGE**

5

**RF SIGNAGE**

**Sprint**

**Alcatel-Lucent**

**SDC** WIRELESS SOLUTIONS GROUP  
 580 AVENUE VICENTE  
 CARLSBAD, CA 92008  
 www.sdc.com  
 TEL: 760.430.0000

**PROJECT INFORMATION:**

**NETWORK VISION MMBTS LAUNCH**

**CASH**  
**OG73XC760**  
 508 SOUTH FEE ANA  
 PLACENTIA, CA 92870  
 CITY OF PLACENTIA

ISSUE DATE: 7/25/2012

ISSUED FOR: 90% CD

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NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSEURE:

SHEET TITLE:

SIGNAGE, NOTES, & ABBREVIATIONS

SHEET NUMBER: T-5 REVISION: C

**PAINT NOTES:**  
 1. (E) AND (N) SPRINT EXPOSED ANTENNAS AND MOUNTING HARDWARE TO BE PAINTED TO MATCH (E) SITE CONDITIONS PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.  
 2. (E) AND (N) SPRINT EXPOSED ANTENNA SUPPORT EQUIPMENT AND MOUNTING HARDWARE TO BE PAINTED TO MATCH (E) SITE CONDITIONS PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

**NOTES:**  
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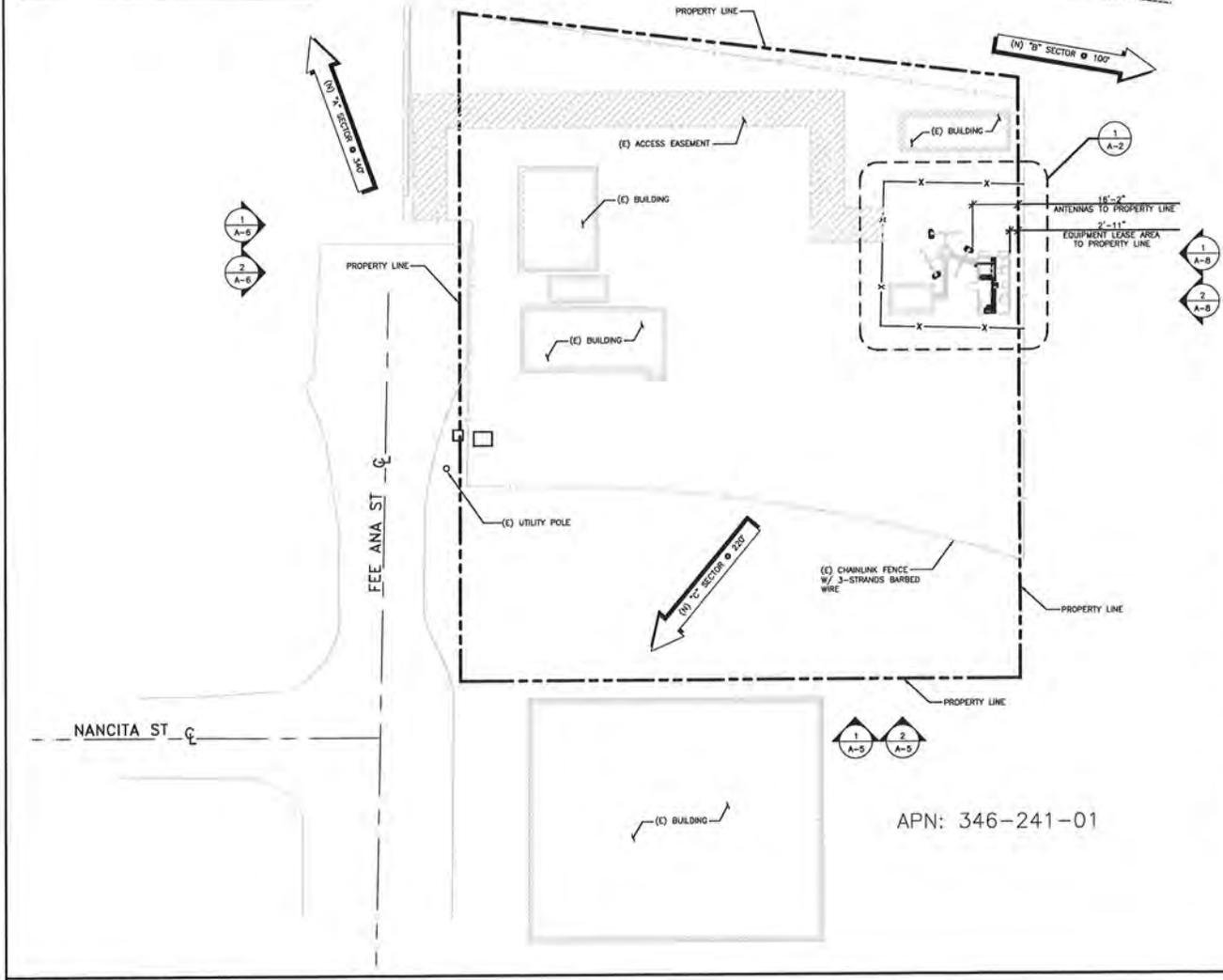
**DISCLAIMER**  
 THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY. ALL PROPERTY LINES, EASEMENTS, AND SETBACKS SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION. SAC WIRELESS DOES NOT GUARANTEE THE ACCURACY OF SAID PROPERTY LINES, EASEMENTS AND SETBACKS.

**LEGEND**

---	SUBJECT BOUNDARY LINE
---	RIGHT-OF-WAY CENTERLINE
---	RIGHT-OF-WAY LINE
---	ADJACENT BOUNDARY LINE
---	SECTIONAL BREAKDOWN LINE
(N)	FIBER LINE
LF	(N) POWER/FIBER LINE
OP	OVERHEAD POWER LINE
BP	BURIED POWER LINE
---	BURIED GAS LINE
OHF	OVERHEAD TELEPHONE LINE
BT	BURIED TELEPHONE LINE
W	BURIED WATER LINE
SS	BURIED SANITARY SEWER
SD	BURIED STORM DRAIN
---	DITCH LINE/FLOW LINE
---	VEGETATION LINE
X-X-X-X	CHAIN LINK FENCE
---	WOOD FENCE
---	BARBED WIRE/WIRE FENCE
⊠	TRANSFORMER
⊠	LIGHT STANDARD
⊠	POWER VAULT
⊠	UTILITY BOX
⊠	UTILITY POLE
⊠	POLE GUY WIRE
⊠	GAS VALVE
⊠	GAS METER
⊠	TELEPHONE VAULT
⊠	TELEPHONE RISER
⊠	FIRE HYDRANT
⊠	GATE VALVE
⊠	WATER METER
⊠	FIRE STAND PIPE
⊠	CATCH BASIN, TYPE I
⊠	CATCH BASIN, TYPE II
⊠	SIGN
⊠	ROLLARD
⊠	MAIL BOX
234.21	SPOT ELEVATION

**ABBREVIATIONS**

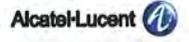
A/C	AIR CONDITIONING	LBS	POUNDS
AGL	ABOVE GRADE	MAX	MAXIMUM
APPROX	APPROXIMATELY	MECH	MECHANICAL
BLDG	BUILDING	MTL	METAL
BLK	BLOCKING	MFR	MANUFACTURE
CLG	CLEAR	MGR	MANAGER
CLR	CLEAR	MIN	MINIMUM
CONC	CONCRETE	MISC	MISCELLANEOUS
CONST	CONSTRUCTION	NA	NOT APPLICABLE
CONT	CONTINUOUS	NIC	NOT IN CONTRACT
		NTS	NOT TO SCALE
DBL	DOUBLE	OC	ON CENTER
DIA	DIAMETER	OD	OUTSIDE DIAMETER
DIAG	DIAGONAL	PLYWD	PLYWOOD
DN	DOWN	PROJ	PROJECT
DET	DETAIL	PROP	PROPERTY
DWG	DRAWING	PT	PRESSURE TREATED
EA	EACH	REQ	REQUIRED
EL	ELEVATION	RM	ROOM
ELEC	ELECTRICAL	RO	ROUGH OPENING
EQ	EQUAL	RH	RADIO REMOTE HEAD
EQUIP	EQUIPMENT		
EXT	EXTERIOR	SHT	SHEET
FIN	FINISH	SM	SMALLER
FLOR	FLOURESCENT	SPEC	SPECIFICATION
FLR	FLOOR	SQ	SQUARE FOOT
FT	FOOT	SS	STAINLESS STEEL
GA	GALVANIZED	STL	STEEL
GUY	GENERAL	STRCT	STRUCTURAL
OC	OVERHEAD	STD	STUD
CONTR	CONTRACTOR	SUSP	SUSPENDED
GRND	GROUND	THRU	THROUGH
GYP BD	GYP-SUM WALL BOARD	TMA	TOWER MOUNT AMPLIFIER
		TNG	TINNED
		TYP	TYPICAL
HORZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
HR	HOUR	VERT	VERTICAL
HT	HEIGHT	VF	VERIFY IN FIELD
HMC	HEATING VENTILATION AIR CONDITIONING	W/	WITH
		W/O	WITHOUT
		WP	WEATHER PROOF
ID	INSIDE DIAMETER		
INCH	INCH		
INFO	INFORMATION		
INSUL	INSULATION		
INT	INTERIOR		
INT	INTERNATIONAL		
IBC	BUILDING CODE		



APN: 346-241-01



SCALE: 1" = 20'  
 (OR) 1/2" = 20'-0" (1/4" = 10')



**PROJECT INFORMATION:**

NETWORK VISION MMBTS LAUNCH

**CASH**  
 OG73XC760  
 506 SOUTH FEE ANA  
 PLACENTA, CA 92870  
 CITY OF PLACENTA

ISSUE DATE:

7/25/2012

ISSUED FOR:

90% CD

**REVISIONS**

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**LICENSURE:**

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:      REVISION:

A-1

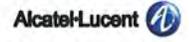
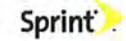
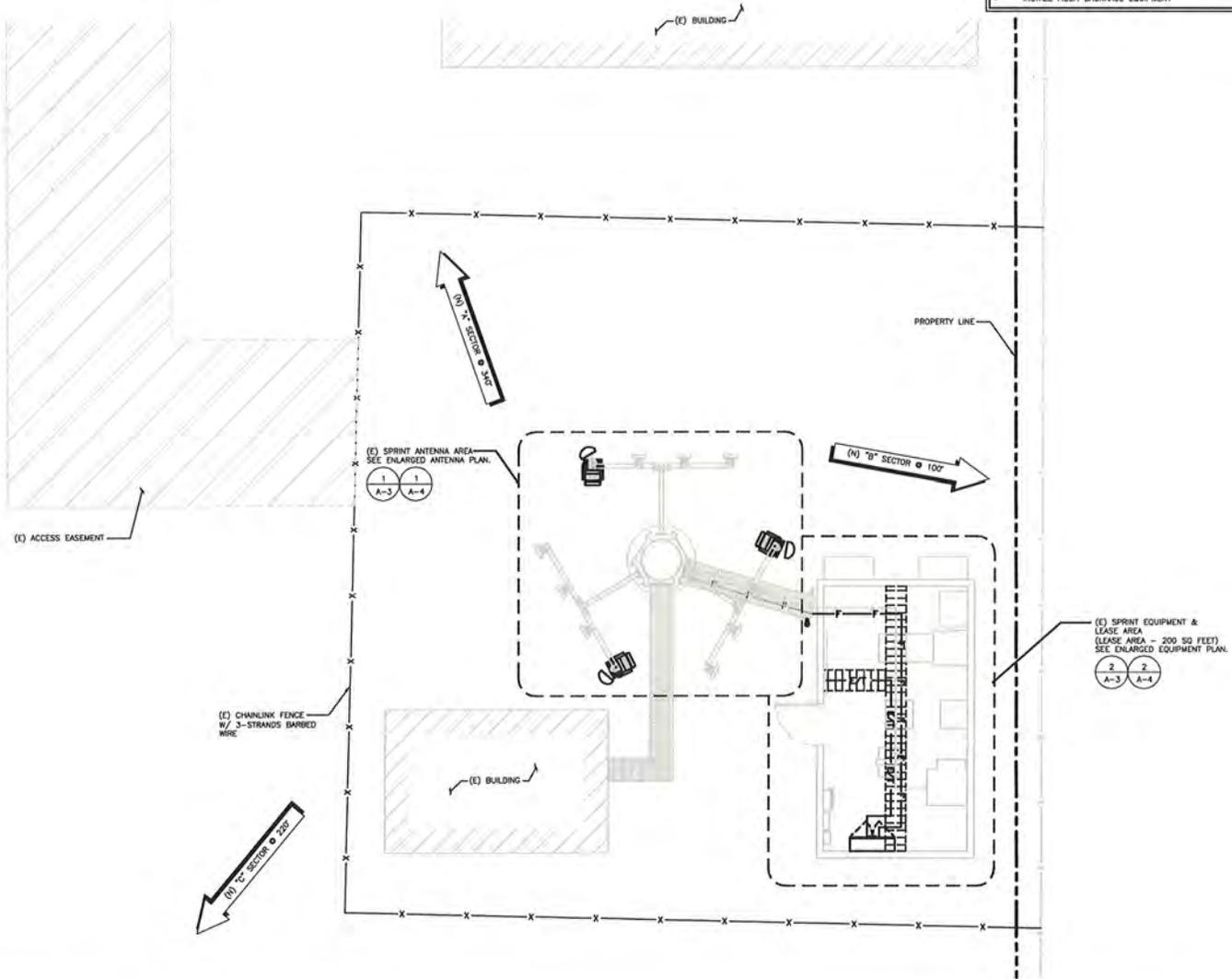
C

**PAINT NOTES:**  
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**NOTES:**  
 1. ALL (E) SPRINT COAX CABLES AND TO BE REMOVED FROM THE SITE.  
 2. IF PRESENT, ALL (E) CLEARWIRE ANTENNAS, MICROWAVE DISHES AND COAX CABLES TO REMAIN.

**SPRINT PROPOSES TO MODIFY AN (E) UNMANNED TELECOMMUNICATIONS FACILITY**

- REMOVE (3) (E) PANEL ANTENNAS
- INSTALL (2) (N) PANEL ANTENNAS
- REMOVE ALL (E) ANTENNA COAX
- INSTALL (3) (N) HYBRIDLEX CABLES USING (E) COAX ROUTE
- RETROFIT (E) MODELL 4.0 EQUIPMENT CABINET WITH (N) RADIO HARDWARE
- INSTALL (1) (N) FIBER JUNCTION BOX
- REMOVE (1) (E) GPS ANTENNA
- INSTALL (1) (N) GPS ANTENNA
- INSTALL (6) (N) RSJ
- INSTALL FIBER BACKHAUL EQUIPMENT



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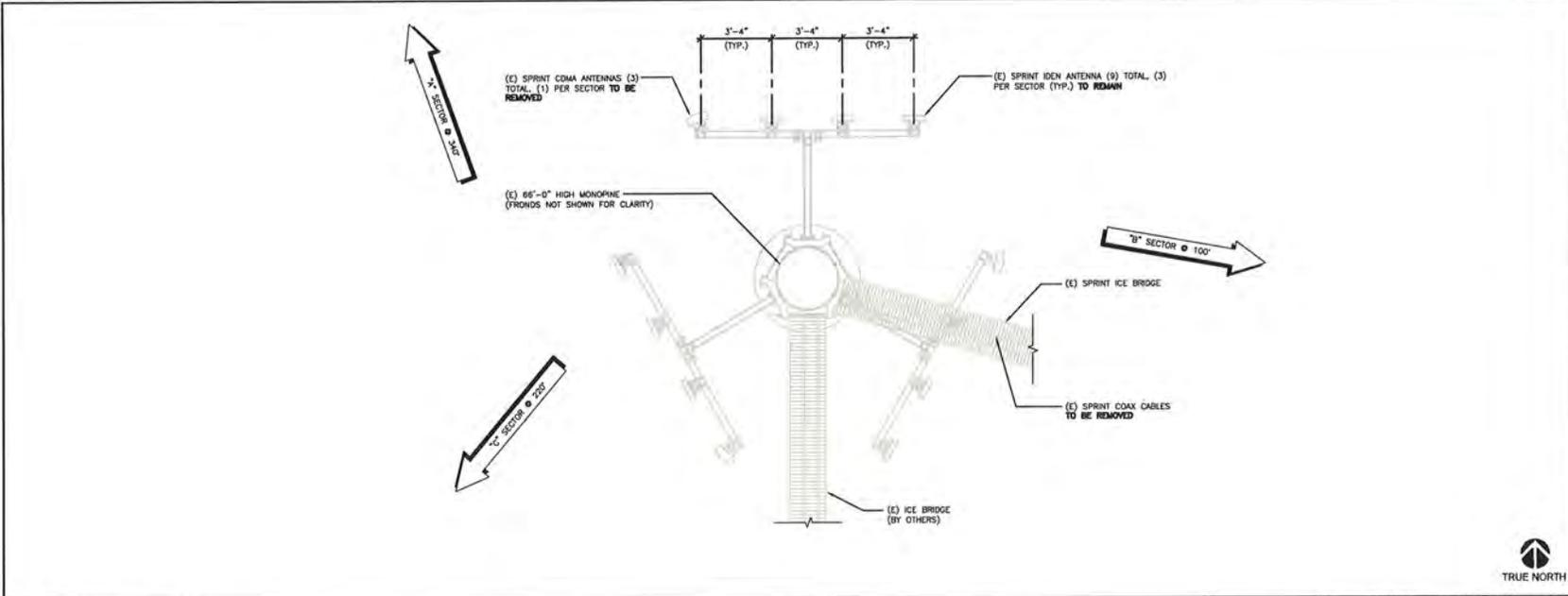
SHEET TITLE:  
 ROOFTOP PLAN

SHEET NUMBER: **A-2**      REVISION: **C**

**ROOFTOP PLAN**

SCALE: 1/4" = 1'-0" (OR) 1/8" = 1'-0" (11x17)  
 TRUE NORTH

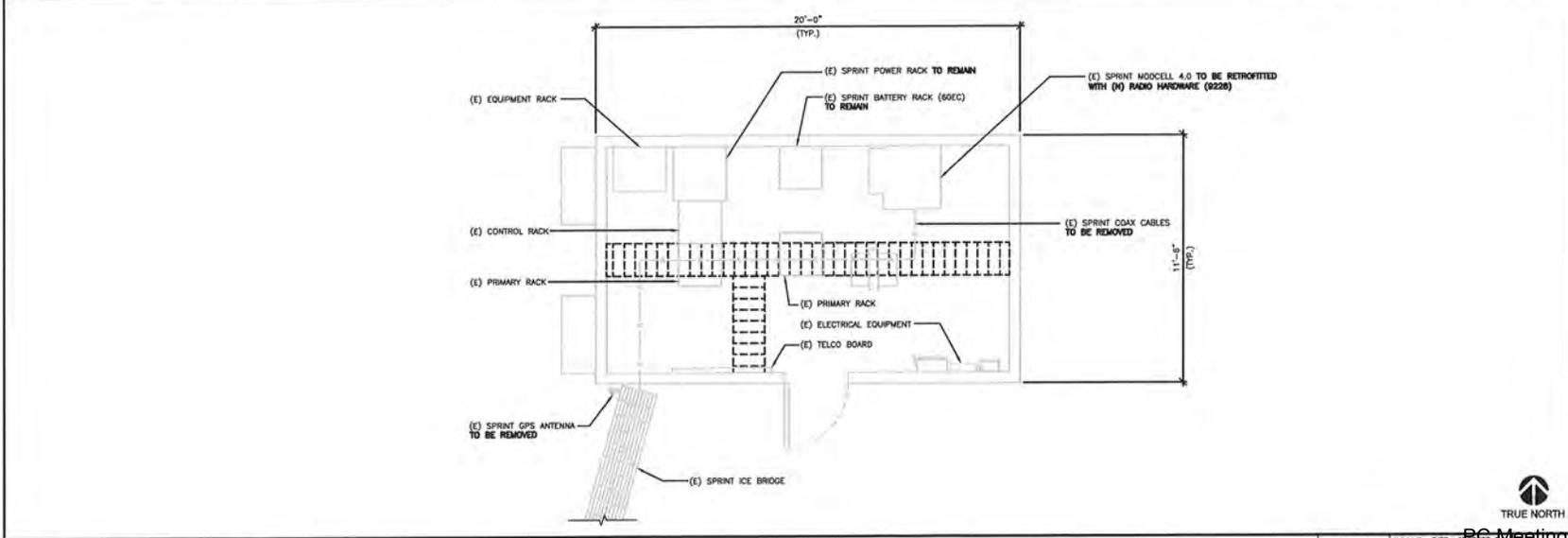
THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



ENLARGED ANTENNA PLAN (E)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (20x04)  
(OR) 3/16" = 1'-0" (11x17)

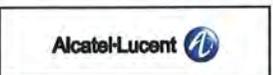
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ENLARGED EQUIPMENT PLAN (E)

0 1' 2' 3' SCALE: 3/8" = 1'-0" (20x04)  
(OR) 3/16" = 1'-0" (11x17)

2



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ISSUE DATE:  
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ISSUED FOR:  
90% CD

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
A	3/28/12	ISSUED FOR 90% CD REVIEW	DC
B	6/17/12	90% CD	JB
C	7/25/12	90% CD	JB

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSURE:

SHEET TITLE:  
ENLARGED ANTENNA & EQUIPMENT PLANS (E)

SHEET NUMBER: **A-3** REVISION: **C**

PROJECT INFORMATION

NETWORK VISION MMBTS LAUNCH

**CASH**  
OG73XC760  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

ISSUE DATE:

7/25/2012

ISSUED FOR:

90% CD

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
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C	7/25/12	90% CD	JB

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSURE:

SHEET TITLE:

ENLARGED ANTENNA & EQUIPMENT PLANS (N)

SHEET NUMBER:

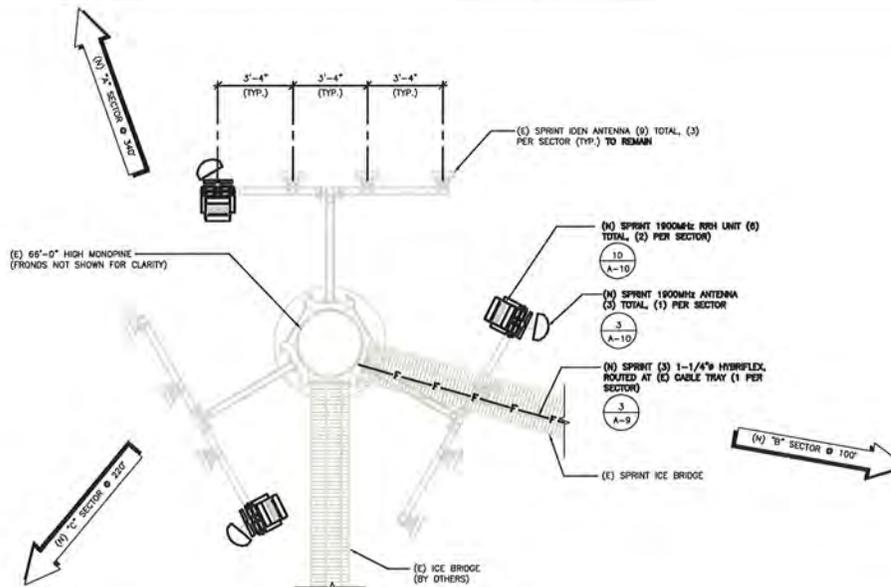
REVISION:

A-4

C

NOTE TO CONTRACTOR:  
ANTENNA CLEARANCE AND MOUNTING TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FINAL ANTENNA SPECIFICATIONS, MOUNTING HARDWARE, AND RF DESIGN. ANTENNA PIPE MOUNT MODIFICATION MAY BE REQUIRED.

NOTE:  
SEE DETAIL 1/A-10 FOR ANTENNA CONFIGURATION & SCHEDULE.

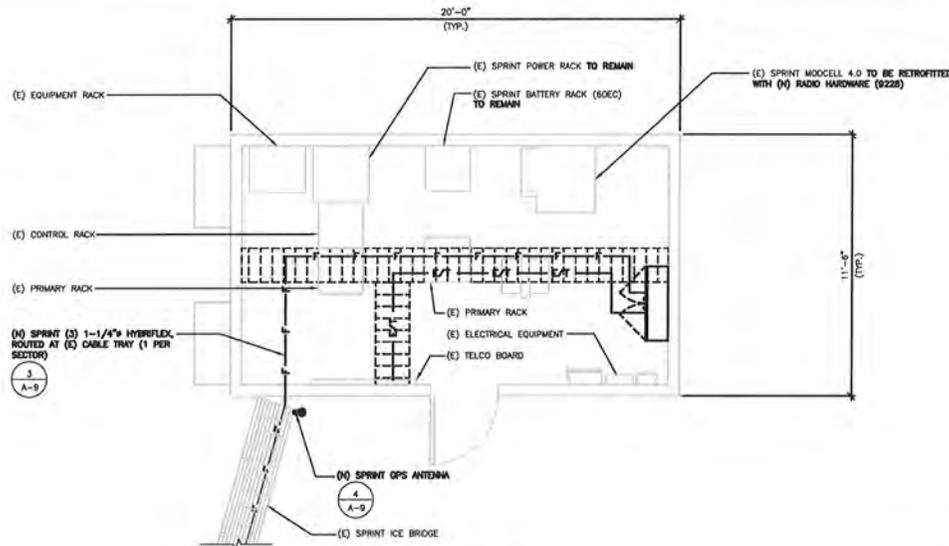


ENLARGED ANTENNA PLAN (N)

SCALE: 3/8" = 1'-0" (22x34)  
(OR) 3/16" = 1'-0" (11x17)

1

NOTE TO CONTRACTOR:  
MAIN PANEL IS TO REMAIN & BE UTILIZED BY NEW SPRINT EQUIPMENT. NEW 9227 EQUIPMENT CABINET WILL USE THE SAME 100A/72P BREAKER THAT WAS USED BY THE REMOVED EQUIPMENT. PANEL SCHEDULE WILL REMAIN UNCHANGED.

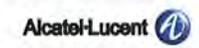
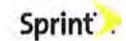


NOTE: ALL LEGACY EQUIPMENT WILL BE PHYSICALLY REMOVED UPON CUTOVER. ANY ADDITIONAL CDMA ANTENNAS SHOWN ON FINAL DESIGN ARE SHOWN SOLELY FOR THE PURPOSES OF PLACE HOLDERS. FINAL DESIGN WILL BE IN ONLY UNLESS CLARIFIED AND/OR IDEN IS CURRENTLY INSTALLED ON THE SITE.

ENLARGED EQUIPMENT PLAN (N)

SCALE: 3/8" = 1'-0" (22x34)  
(OR) 3/16" = 1'-0" (11x17)

2



PROJECT INFORMATION:

NETWORK VISION MMBTS LAUNCH  
**CASH**  
OG73XC760  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

ISSUE DATE:  
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REVISIONS			
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LICENSURE:

SHEET TITLE:  
**(E) & (N) SOUTH ELEVATIONS**

SHEET NUMBER:      REVISION:

**A-5**      C

NOTES TO CONTRACTOR  
1. REMOVE ALL EXISTING COAX FROM SITE

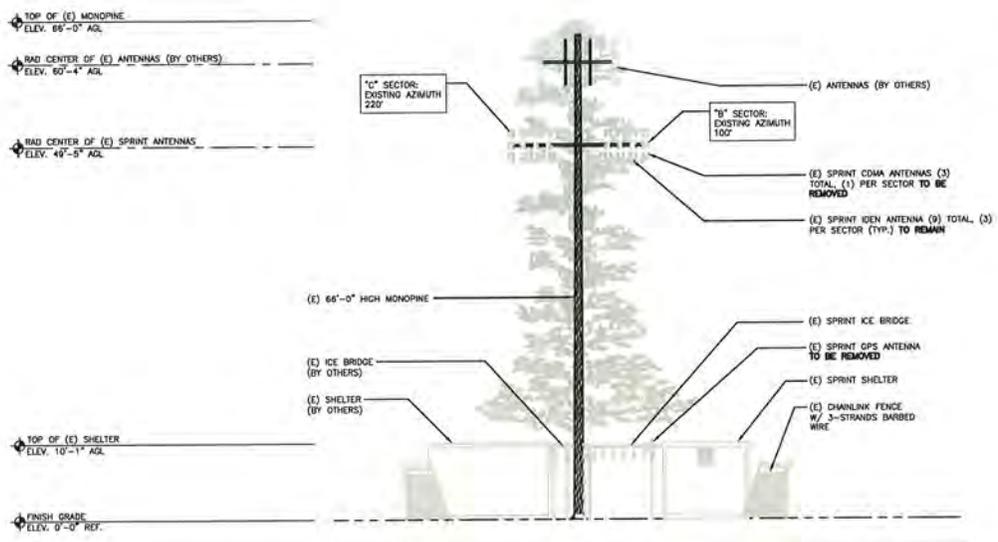
- NOTES:
- CONTRACTOR TO FIELD VERIFY ANTENNA CABLE LENGTHS.
  - ALL MAIN CABLES WILL BE COLOR CODED AT THREE (3) LOCATIONS.
  - COLOR CODE ALL ANTENNA AND COAX WITH 2" WIDE BANDS OF COLORED TAPE WITH 1" SEPARATION BETWEEN BANDS
  - COLOR CODE ALL TOP AND BOTTOM GROUND KITS WITH 1" WIDE BANDS OF COLORED TAPE WITH 1/2" SEPARATION BETWEEN BANDS.
  - START COLOR BANDS 2' BEYOND WEATHERPROOFING.
  - START SECTOR COLOR NEXT TO END CONNECTOR.
  - ALL MAIN CABLES WILL BE GROUNDING W/ COAXIAL CABLE GROUND KITS AS:
    - THE ANTENNA LEVEL
    - MID LEVEL IF MONOPINE IS OVER 200'
  - ALL NEW GROUND BAR DOWNLEADS ARE TO BE CADWELDED TO THE EXISTING ADJACENT GROUND BAR DOWNLEADS A MINIMUM DISTANCE OF 4FT BELOW GROUND BAR
  - PROVIDE BUSS BAR NEAR BTS FOR ATTACHMENT OF W/MAX COAX GROUND KITS

- HYBRIFLEX CABLE NOTES:
- THE HYBRIFLEX CABLE INSTALLER SHALL BE RESPONSIBLE FOR PERFORMING AND SUPPLYING SPRINT WITH 3 TYPED WRITTEN SWEEP TESTS (ANTENNA RETURN LOSS TEST). THIS TEST SHALL BE PERFORMED TO THE SPECIFICATIONS AND PARAMETERS OUTLINED BY THE SPRINT RADIO FREQUENCY (RF) ENGINEER. THIS TEST SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE OF THE SITE.
  - THE HYBRIFLEX CABLE INSTALLER SHALL BE RESPONSIBLE FOR PERFORMING AND SUPPLYING SPRINT WITH 3 TYPED WRITTEN TIME DOMAIN REFLECTOMETER (TDR) TESTS TO VERIFY CABLE LENGTH AND TO CHECK FOR WATER DAMAGE.
  - VAPOR BARR WILL BE USED TO SEAL ALL CONNECTIONS.
  - ALL JUMPERS TO THE ANTENNAS FROM THE MAIN TRANSMISSION LINE WILL BE 1/2" JUMPERS AND SHALL NOT EXCEED 6'-0". MAXIMUM LENGTH FOR THE JUMPERS AT W/MAX BTS UNITS WILL BE 6'-0".
  - IF COAXIAL CABLE IS BEING RE-USED FOR THIS INSTALLATION, PRE AND POST ANTENNA LINE SWEEPS ARE REQUIRED.

- ANTENNA MOUNTING NOTES:
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIPPED GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
  - ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
  - DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.
  - ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH DOUBLE NUTS AND SHALL BE INSTALLED SNUG TIGHT.
  - MINIMUM HORIZONTAL SPACING SHALL BE 2'-0" BETWEEN ALL ANTENNAS.
  - UPON COMPLETION, PROVIDE A HEIGHT VERIFICATION DEPARTING RAD CENTER AND TOP OF ANTENNA.

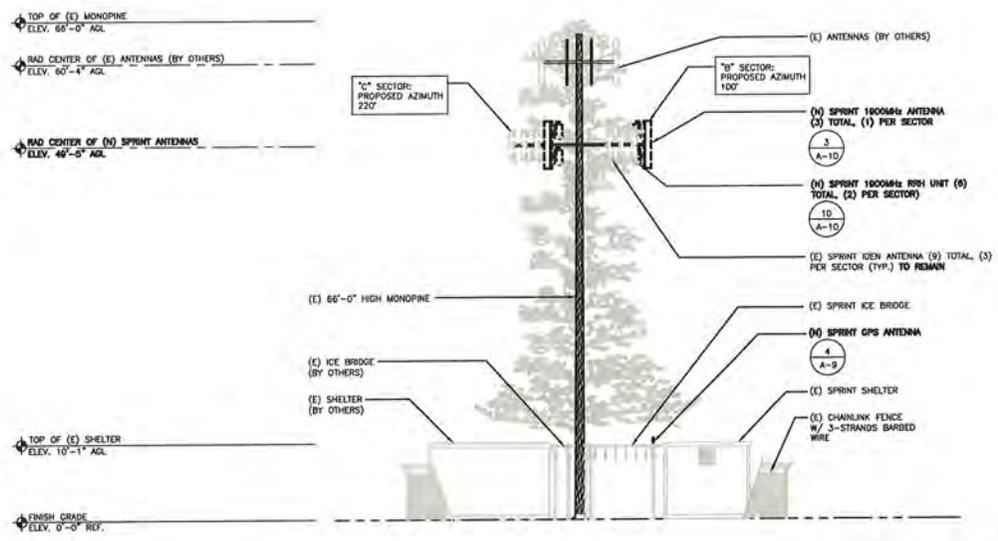
- CONTRACTOR NOTES:
- (N) SPRINT FIBER LINES FROM (E)/(N) EQUIPMENT, TO (N) SPRINT ANTENNAS ARE TO FOLLOW (E) FIBER/COAX ROUTE (FIELD VERIFY).
  - ALL (N) MATERIALS (ANTENNAS, EQUIPMENT /RAYS) AND ALL HARDWARE THAT ARE EXPOSED (NOT BEHIND SCREENING) ARE TO BE PAINTED (PER MANUFACTURERS RECOMMENDATIONS) TO MATCH (E) BUILDING FINISH.
  - PATCH AND REPAIR EXISTING MATERIALS, FINISHES, WALLS, ETC. AS NEEDED TO PROVIDE A SEAMLESS TRANSITION FROM (N) TO (E) SURFACES. (N) CONSTRUCTION MUST MATCH (E) BUILDING COLOR, FINISH AND TEXTURE.

- GENERAL NOTES:
- ALL AZIMUTHS ARE TO BE ESTABLISHED CLOCKWISE FROM THE TRUE NORTH HEADING.
  - CONTRACTOR SHALL VERIFY PROPOSED ANTENNA RAD CENTER AND ORIENTATIONS WITH SPRINT PRIOR TO INSTALLATION OF ANTENNAS.
  - PRIOR TO ATTACHING ANTENNAS AND MOUNTING SECTIONS, EXISTING MONOPINE MUST BE ANALYZED BY A LICENSED STRUCTURAL ENGINEER TO VERIFY MONOPINE IS CAPABLE OF SUPPORTING THE PROPOSED LOADS. REFER TO STRUCTURAL ANALYSIS BY OTHERS.
  - CONTRACTOR SHALL REFER TO MONOPINE STRUCTURAL CALCULATIONS FOR ADDITIONAL LOADS. NO ERECTION OR MODIFICATION OF MONOPINE SHALL BE MADE WITHOUT APPROVAL OF STRUCTURAL ENGINEER.



(E) SOUTH ELEVATION

SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17)      1

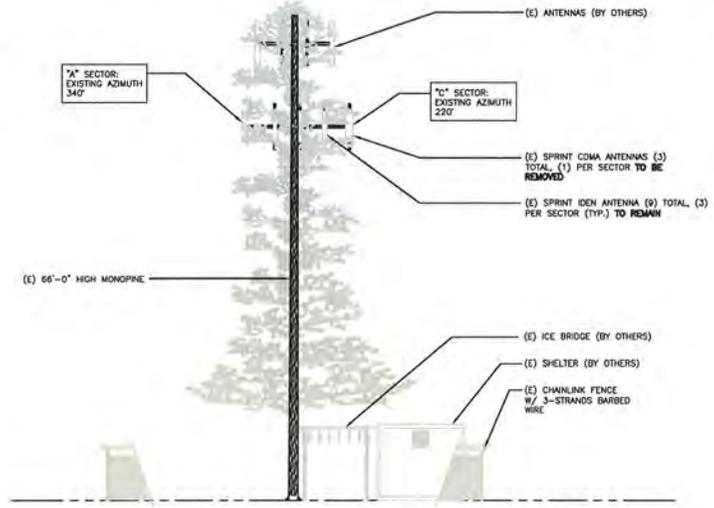


(N) SOUTH ELEVATION

SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17)      2

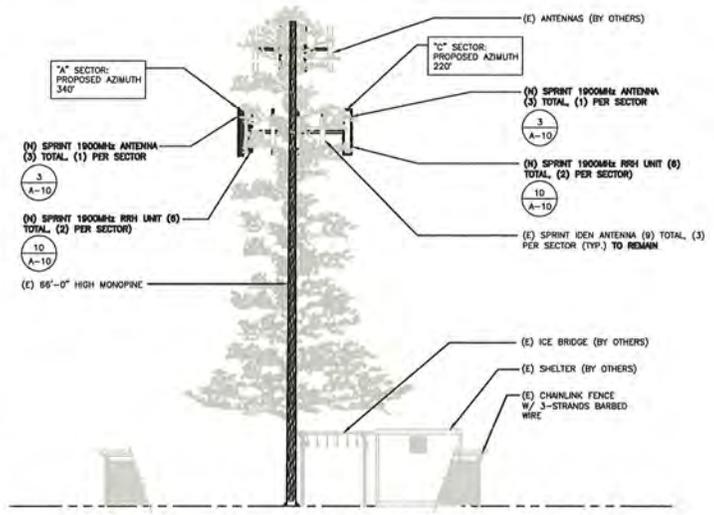
NOTES TO CONTRACTOR:  
1. REMOVE ALL EXISTING COAX FROM SITE

SEE ELEVATION NOTES ON A-5



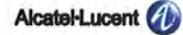
(E) WEST ELEVATION

SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17) 1



(N) WEST ELEVATION

SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17) 2



PROJECT INFORMATION

NETWORK VISION MMBTS LAUNCH

**CASH**  
**OG73XC760**

506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

ISSUE DATE:

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ISSUED FOR:

90% CD

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
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NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSURE:

SHEET TITLE:

(E) & (N) WEST ELEVATIONS

SHEET NUMBER:

REVISION:

A-6

C

NOTES TO CONTRACTOR:  
 1. REMOVE ALL EXISTING COAX FROM SITE  
 SEE ELEVATION NOTES ON A-5

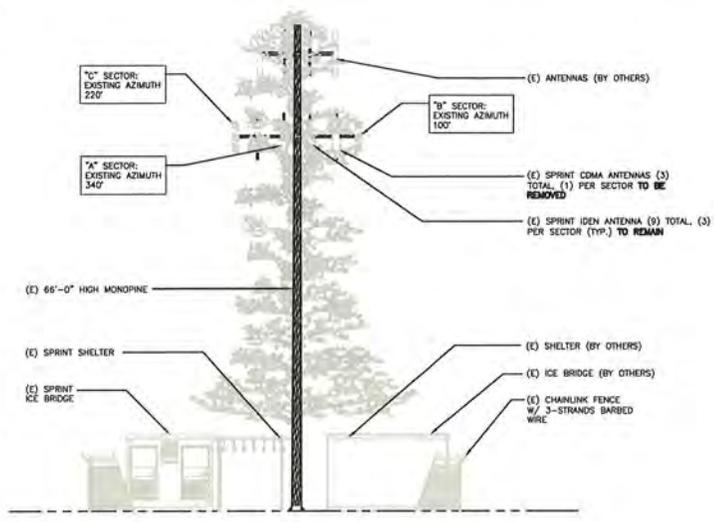
TOP OF (E) MONOPINE  
 ELEV. 66'-0" AGL

RAD CENTER OF (E) ANTENNAS (BY OTHERS)  
 ELEV. 60'-4" AGL

RAD CENTER OF (E) SPRINT ANTENNAS  
 ELEV. 49'-5" AGL

TOP OF (E) SHELTER  
 ELEV. 10'-1" AGL

FINISH GRADE  
 ELEV. 0'-0" REF.



(E) NORTH ELEVATION

SCALE: 1/8" = 1'-0" (24x36)  
 (OR) 1/16" = 1'-0" (11x17)

1

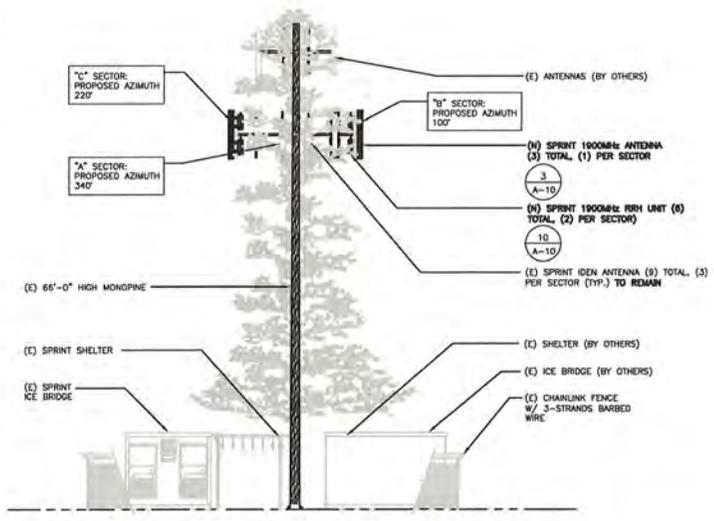
TOP OF (E) MONOPINE  
 ELEV. 66'-0" AGL

RAD CENTER OF (E) ANTENNAS (BY OTHERS)  
 ELEV. 60'-4" AGL

RAD CENTER OF (N) SPRINT ANTENNAS  
 ELEV. 49'-5" AGL

TOP OF (E) SHELTER  
 ELEV. 10'-1" AGL

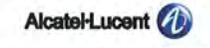
FINISH GRADE  
 ELEV. 0'-0" REF.



(N) NORTH ELEVATION

SCALE: 1/8" = 1'-0" (24x36)  
 (OR) 1/16" = 1'-0" (11x17)

2



PROJECT INFORMATION:

NETWORK VISION MMBTS LAUNCH

**CASH**  
 OG73XC760  
 506 SOUTH FEE ANA  
 PLACENTIA, CA 92870  
 CITY OF PLACENTIA

ISSUE DATE:

7/25/2012

ISSUED FOR:

90% CD

REVISIONS

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C	7/25/12	90% CD	JB

NOT FOR CONSTRUCTION UNLESS  
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LICENSURE:

SHEET TITLE:

(E) & (N) NORTH ELEVATIONS

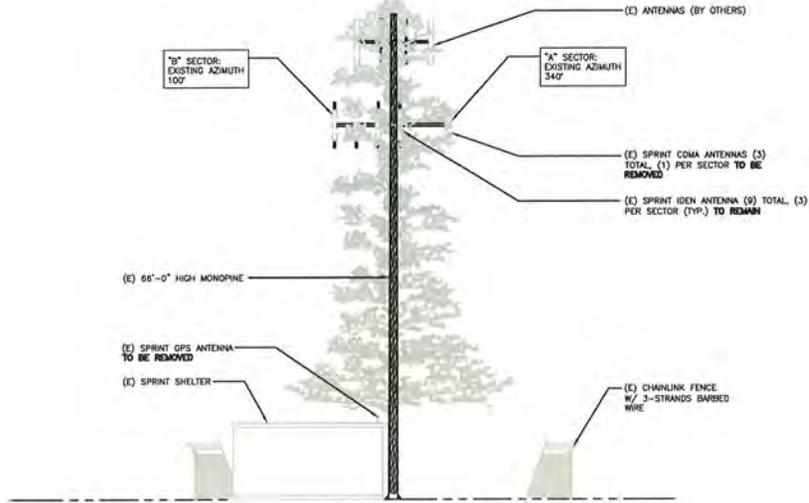
SHEET NUMBER:

REVISION:

A-7

C

- TOP OF (E) MONOPINE  
ELEV. 66'-0" AGL
- RAD CENTER OF (E) ANTENNAS (BY OTHERS)  
ELEV. 40'-4" AGL
- RAD CENTER OF (E) SPRINT ANTENNAS  
ELEV. 49'-5" AGL
- TOP OF (E) SHELTER  
ELEV. 10'-1" AGL
- FINISH GRADE  
ELEV. 0'-0" REF.



NOTES TO CONTRACTOR:  
1. REMOVE ALL EXISTING COAX FROM SITE  
SEE ELEVATION NOTES ON A-5

500 AVENUE LINDAS  
CRALENDON, CA 95009  
WWW.SICWIRELESS.COM  
916.768.1300

PROJECT INFORMATION:  
NETWORK VISION MMBTS LAUNCH  
**CASH**  
OG73XC760  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

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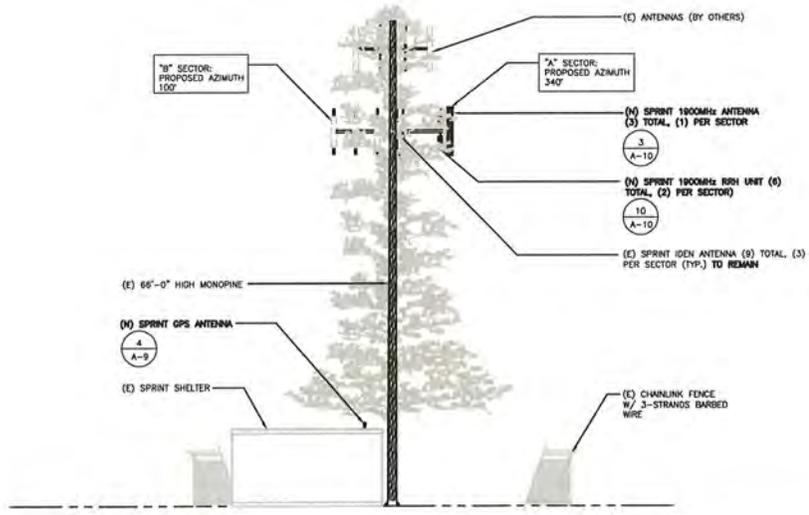
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B	6/17/12	90% CD	JB
C	7/25/12	90% CD	JB

NOT FOR CONSTRUCTION UNLESS  
LABELED AS CONSTRUCTION SET

(E) EAST ELEVATION

SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17) 1

- TOP OF (E) MONOPINE  
ELEV. 66'-0" AGL
- RAD CENTER OF (E) ANTENNAS (BY OTHERS)  
ELEV. 40'-4" AGL
- RAD CENTER OF (N) SPRINT ANTENNAS  
ELEV. 49'-5" AGL
- TOP OF (E) SHELTER  
ELEV. 10'-1" AGL
- FINISH GRADE  
ELEV. 0'-0" REF.



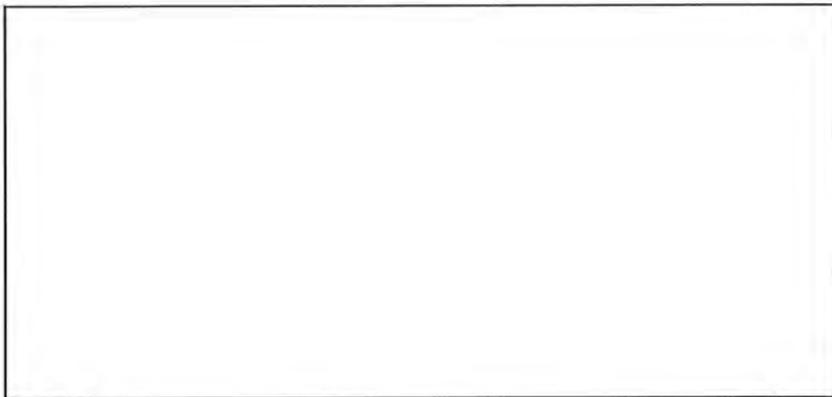
SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17) 2

(N) EAST ELEVATION

LICENSURE:

SHEET TITLE:  
(E) & (N) EAST ELEVATIONS

SHEET NUMBER: A-8  
REVISION: C



**NOTES:**

- Distribution Box is fitted with 50' of 1.5/8" Liquid-tight conduit and connectors. This should be:
  - split in half (25' per).
  - terminated to the Distribution Box as shown.
  - run to and coiled as close to where the cabinet is going to be mounted as possible.
- Distribution Box is fitted with 26AWG, power cable 35' x 200. Run red and 200. Run black. This should be coiled and left inside Distribution Box.
- BTS installation team will terminate Liquid-tight, run the fiber jumpers and power cables from BTS Cabinet to Distribution Box.

Front View with door removed to show detail.

5860 AVENIDA ENCINAS  
CAYUSENA, CA 95099  
www.sdcw.com  
TEL: 950.630.0000

**PROJECT INFORMATION:**

NETWORK VISION MMBTS LAUNCH

**CASH**

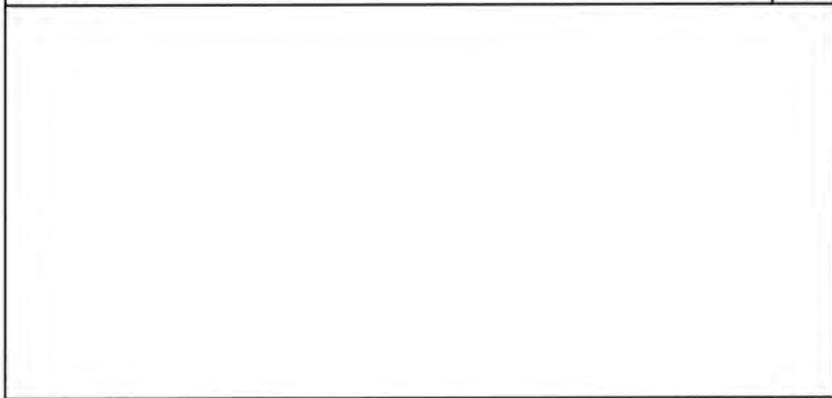
**OG73XC760**

506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

NOT USED

5 (N) FIBER JUNCTION BOX

1



PLAN VIEW

ELEVATION VIEW

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NOT USED

6 JUNCTION BOX MOUNTING TO (E) H-FRAME

2

MANUFACTURER: PCTEL  
MODEL#: GPS-TMG-HR-26NCH  
DIMENSIONS: 5.0" H x 3.2" D  
WEIGHT: 0.6 LBS.

\*FOR RUNS OVER 20 FT. USE: HB114-1-0813U4-MSF

PROPERTIES STANDARDS (MEETS OR EXCEEDS):  
FIBER OPTIC: UL94-V0, UL1566  
DC POWER CABLE: UL TYPE XHHW-2, UL 44  
UL-L5 LIMITED SMOKE, UL VW1

INDOOR CABLE RUNS:  
MANUFACTURER: RFS  
MODEL: HB114-1-0814-MSF  
WEIGHT (LB/FT): 1.08  
MINIMUM BENDING RADIUS: 8"  
SINGLE BENDING: 20"  
REPEATED BENDING: 20"  
MAXIMUM CLAMP SPACING: 4.0'  
RECOMMENDED CLAMP SPACING: 3.25'

\*FOR RUNS OVER 20 FT. USE: HB114-1-0813U4-MSJ

PROPERTIES STANDARDS (MEETS OR EXCEEDS):  
FIBER OPTIC: UL94-V0, UL1566  
DC POWER CABLE: UL TYPE XHHW-2, VW-1

OUTDOOR CABLE RUNS:  
MANUFACTURER: RFS  
MODEL: HB114-1-0814-MSJ  
WEIGHT (LB/FT): 1.08  
MINIMUM BENDING RADIUS: 8"  
SINGLE BENDING: 20"  
REPEATED BENDING: 20"  
MAXIMUM CLAMP SPACING: 4.0'  
RECOMMENDED CLAMP SPACING: 3.25'

MANUFACTURER: PCTEL  
MODEL#: GPS-TMG-HR-26NCH  
DIMENSIONS: 5.0" H x 3.2" D  
WEIGHT: 0.6 LBS.

\*FOR RUNS OVER 20 FT. USE: HB114-1-0813U4-MSF

PROPERTIES STANDARDS (MEETS OR EXCEEDS):  
FIBER OPTIC: UL94-V0, UL1566  
DC POWER CABLE: UL TYPE XHHW-2, UL 44  
UL-L5 LIMITED SMOKE, UL VW1

INDOOR CABLE RUNS:  
MANUFACTURER: RFS  
MODEL: HB114-1-0814-MSF  
WEIGHT (LB/FT): 1.08  
MINIMUM BENDING RADIUS: 8"  
SINGLE BENDING: 20"  
REPEATED BENDING: 20"  
MAXIMUM CLAMP SPACING: 4.0'  
RECOMMENDED CLAMP SPACING: 3.25'

\*FOR RUNS OVER 20 FT. USE: HB114-1-0813U4-MSJ

PROPERTIES STANDARDS (MEETS OR EXCEEDS):  
FIBER OPTIC: UL94-V0, UL1566  
DC POWER CABLE: UL TYPE XHHW-2, VW-1

OUTDOOR CABLE RUNS:  
MANUFACTURER: RFS  
MODEL: HB114-1-0814-MSJ  
WEIGHT (LB/FT): 1.08  
MINIMUM BENDING RADIUS: 8"  
SINGLE BENDING: 20"  
REPEATED BENDING: 20"  
MAXIMUM CLAMP SPACING: 4.0'  
RECOMMENDED CLAMP SPACING: 3.25'

LICENSURE:

SHEET TITLE:

**EQUIPMENT DETAILS**

SHEET NUMBER: A-9

REVISION: C

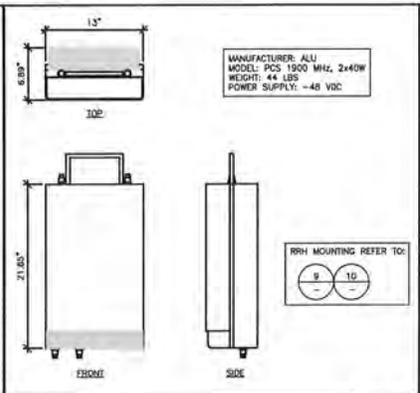
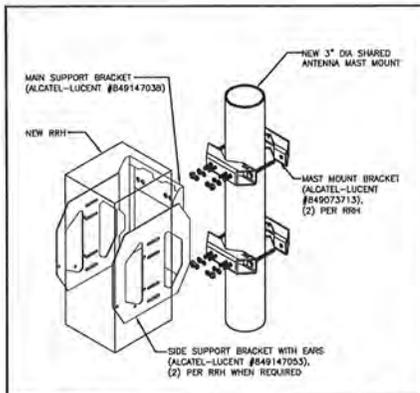
NOT USED

8 NOT USED

7 GPS ANTENNA

4 HYBRIFLEX CABLE

3



PROPOSED ANTENNA CONFIGURATION AND SCHEDULE												
SECTOR A	AZMATH	RADCDTR	# OF ANTENNAS	VEHICOR	MODEL	RET	MEDH TLT	E. TLT	COMBER	RRH	FIBER OPTIC	FIBER LENGTH
1900MHz	340	49°-5'	1	RFS	APXVSP18-C-A20	N/A	0	N/A	(1) IBC1900HA-2	(2) 1900MHz	(1) 1-1/4" HYBRIFLEX HB114-1-08U4-MSJ	120'-0"
SECTOR B	AZMATH	RADCDTR	# OF ANTENNAS	VEHICOR	MODEL	RET	MEDH TLT	E. TLT	COMBER	RRH	FIBER OPTIC	FIBER LENGTH
1900MHz	100	49°-5'	1	RFS	APXVSP18-C-A20	N/A	0	N/A	(1) IBC1900HA-2	(2) 1900MHz	(1) 1-1/4" HYBRIFLEX HB114-1-08U4-MSJ	120'-0"
SECTOR C	AZMATH	RADCDTR	# OF ANTENNAS	VEHICOR	MODEL	RET	MEDH TLT	E. TLT	COMBER	RRH	FIBER OPTIC	FIBER LENGTH
1900MHz	220	49°-5'	1	RFS	APXVSP18-C-A20	N/A	0	N/A	(1) IBC1900HA-2	(2) 1900MHz	(1) 1-1/4" HYBRIFLEX HB114-1-08U4-MSJ	120'-0"

DATE OF RFDS: 12-07-11

**Sprint**

**Alcatel-Lucent**

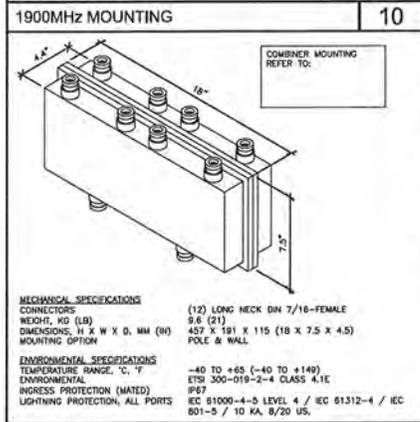
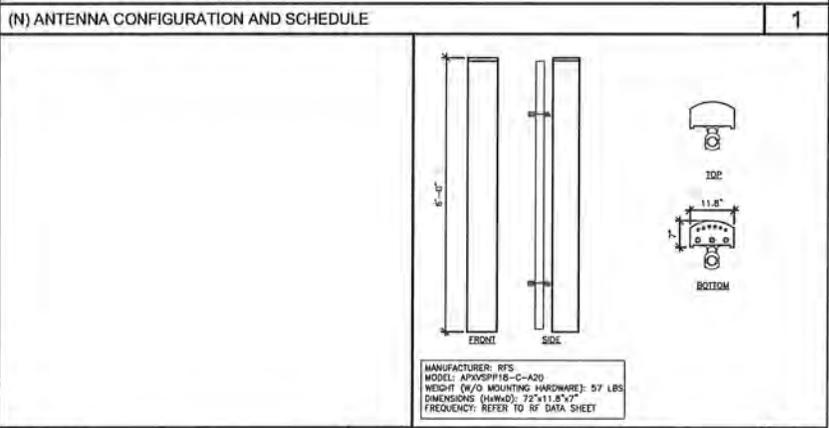
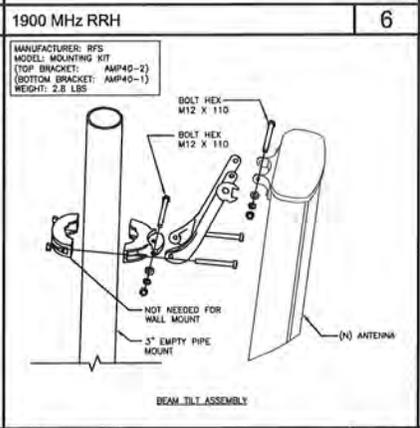
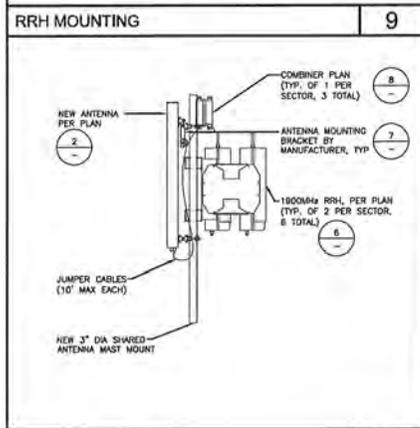
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SMB AVENUE ENCLAVE  
COSTA MESA, CA 92626  
www.sdc.com  
180.760.3300

PROJECT INFORMATION:

NETWORK VISION MMBTS LAUNCH

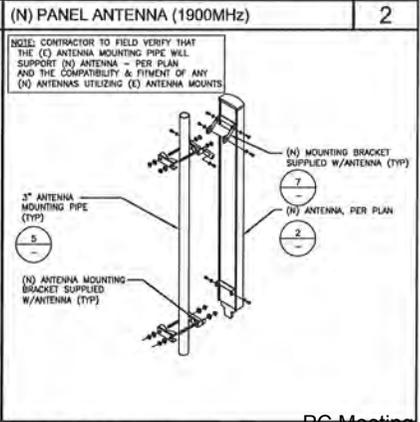
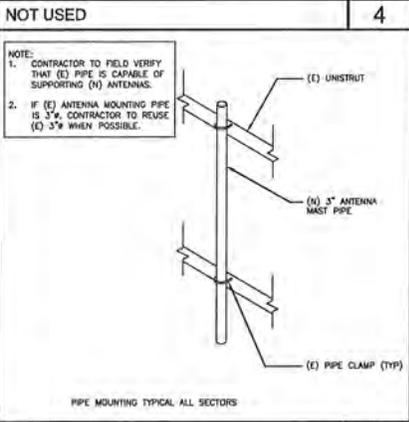
**CASH**  
**OG73XC760**

506 SOUTH FEE AVE  
PLACENTIA, CA 92870  
CITY OF PLACENTIA



PCS A-BAND RX	FREQUENCY BAND, MHz	1850-1865
INSERTION LOSS, dB	0.3 TYP, 0.5 MAX	18
RETURN LOSS, dB MIN	18	30
ISOLATION BTWN A & G BANDS, dB MIN		
PCS G-BAND RX	FREQUENCY BAND, MHz	1910-1915
INSERTION LOSS, dB	0.4 TYP, 0.5 MAX	18
RETURN LOSS, dB MIN	18	30
ISOLATION BTWN A & G BANDS, dB MIN		
PCS A-BAND TX	FREQUENCY BAND, MHz	1830-1945
INSERTION LOSS, dB	0.3 TYP, 0.5 MAX	18
RETURN LOSS, dB MIN	300	3
CONTINUOUS AVERAGE POWER, W		
PEAK ENVELOPE POWER, KW		
INTERMODULATION ISOLATION BTWN A & G BANDS, dB MIN		-112 MAX IN RX BANDS & ANT PORT
PCS G-BAND TX	FREQUENCY BAND, MHz	1990-1995
INSERTION LOSS, dB	0.34 TYP, 0.5 MAX	18
RETURN LOSS, dB MIN	300	3
CONTINUOUS AVERAGE POWER, W		
PEAK ENVELOPE POWER, KW		
INTERMODULATION ISOLATION BTWN A & G BANDS, dB MIN		-112 MAX IN RX BANDS & ANT PORT

NOTE: TYPICAL OF (1) PER SECTOR, (3) TOTAL



ISSUE DATE:  
7/25/2012

ISSUED FOR:  
90% CD

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
A	3/28/12	ISSUED FOR 90% CD REVIEW	DC
B	6/17/12	90% CD	JB
C	7/25/12	90% CD	JB

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSURE:

SHEET TITLE:  
CONSTRUCTION DETAILS

SHEET NUMBER:  
A-10

REVISION:  
C

PROJECT INFORMATION:

NETWORK VISION MMBTS LAUNCH

**CASH**  
OG73XC760  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

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LICENSURE:

SHEET TITLE:

(N) COLOR CODING

SHEET NUMBER:

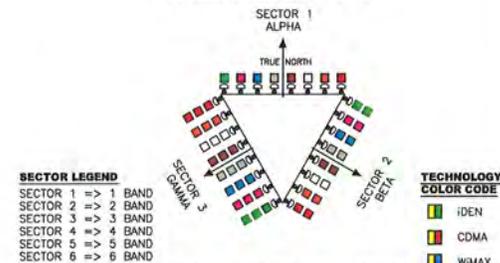
REVISION:

A-11

C

**ANTENNA AND CABLE  
COLOR CODING**

(3 SECTORED / MULTIPLE RF CHANNELS)  
ASSUMING 8 LINES AND ANTENNAS

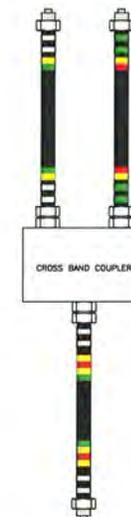


EXAMPLE - SECTOR 2, CABLE 2, 800MHz RADIO #1

EXAMPLE - SECTOR 3, CABLE 1, 1900MHz RADIO #1

EXAMPLE - SECTOR 1, CABLE 4, 800MHz RADIO #1  
AND 1900MHz RADIO #1

- COLOR BAND TO BE 2" WIDE ON MAIN LINE.
- SPACING TO BE 1" BETWEEN BANDS AND 2" BETWEEN LINE AND TECHNOLOGY BANDS. NO SPACE BETWEEN TECHNOLOGY COLOR BANDS.
- COLOR BAND ON JUMPERS 1" WIDE W/ 1" SPACE.
- START COLOR BANDS 2" BEYOND WEATHERPROOFING.
- START SECTOR COLOR NEXT TO END CONNECTOR.



**1 ANTENNA & CABLE COLOR CODE**

SCALE: N.T.S.

**TYPICAL COAX CABLE COLOR CODING SCHEME**

SECTOR	CABLE	FIRST RING	SECOND RING	THIRD RING
1 ALPHA	1	GREEN	NO TAPE	NO TAPE
	2	BLUE	NO TAPE	NO TAPE
	3	BROWN	NO TAPE	NO TAPE
	4	WHITE	NO TAPE	NO TAPE
	5	RED	NO TAPE	NO TAPE
	6	SLATE	NO TAPE	NO TAPE
	7	PURPLE	NO TAPE	NO TAPE
	8	ORANGE	NO TAPE	NO TAPE
2 BETA	1	GREEN	GREEN	NO TAPE
	2	BLUE	BLUE	NO TAPE
	3	BROWN	BROWN	NO TAPE
	4	WHITE	WHITE	NO TAPE
	5	RED	RED	NO TAPE
	6	SLATE	SLATE	NO TAPE
	7	PURPLE	PURPLE	NO TAPE
	8	ORANGE	ORANGE	NO TAPE
3 GAMMA	1	GREEN	GREEN	GREEN
	2	BLUE	BLUE	BLUE
	3	BROWN	BROWN	BROWN
	4	WHITE	WHITE	WHITE
	5	RED	RED	RED
	6	SLATE	SLATE	SLATE
	7	PURPLE	PURPLE	PURPLE
	8	ORANGE	ORANGE	ORANGE

**4 COAXIAL CABLE COLOR CODE**

SCALE: N.T.S.

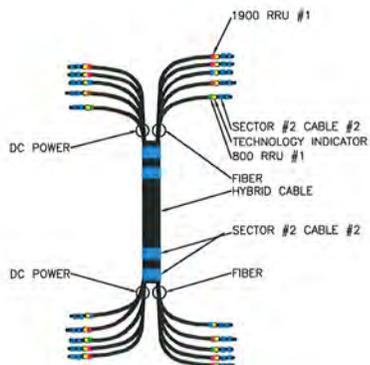
TECHNOLOGY COLOR CODE	FIRST RING	SECOND RING
800 #1	YELLOW	GREEN
1900 #1	YELLOW	RED
1900 #2	YELLOW	BROWN
RESERVED	YELLOW	BLUE
RESERVED	YELLOW	SLATE
RESERVED	YELLOW	ORANGE
RESERVED	YELLOW	WHITE

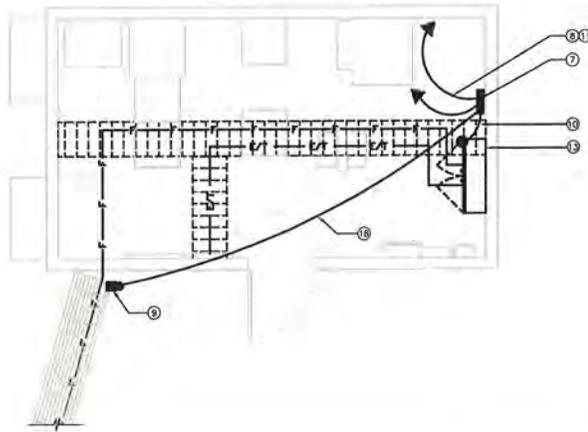
**2 FREQUENCY COLOR CODE**

SCALE: N.T.S.

**3 HYBRID CABLE COLOR CODE**

SCALE: N.T.S.



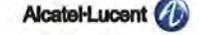


EQUIPMENT SCHEMATIC GROUNDING PLAN

SCALE: 3/8" = 1'-0" (22x34)  
(OR) 3/16" = 1'-0" (11x17) 2

GROUNDING KEYS/NOTES:

- ① ANTENNA GROUND BUSS BAR NEAR ANTENNA MOUNTS WITH COAX GROUND KIT. SEE DETAIL 6/G-2 FOR GROUND BAR CONSTRUCTION. SEE DETAIL 6/G-2 FOR GROUND WIRE CONNECTIONS, AND SEE DETAIL 4/G-2 FOR COAX GROUNDING.
- ② #6 AWG GROUND FROM ANTENNA GROUND BUSS BAR TO TIE INTO (E) ROOF GROUNDING SYSTEM (TYP OF (2) PLACES)
- ③ #6 AWG ANTENNA MOUNT GROUND TO ANTENNA GROUND BUSS BAR (TYP OF 8)
- ④ #6 AWG GROUND FROM RRH UNITS TO ANTENNA GROUND BUSS BAR
- ⑤ #6 AWG GROUND FROM H-FRAME TO TIE INTO (E) GROUND BUSS BAR
- ⑥ #6 AWG GROUND FROM BSU CABINET TO TIE INTO (E) GROUND BUSS BAR
- ⑦ (E) GROUND BUSS BAR NEAR EQUIPMENT WITH COAX GROUND KIT. SEE DETAIL 4/G-2 FOR GROUND BAR CONSTRUCTION, AND SEE DETAIL 2/G-2 FOR COAX GROUNDING.
- ⑧ #6 AWG GROUND FROM (E) GROUND BUS BAR TO TIE INTO (E) ROOF GROUNDING SYSTEM (TYP OF (2) PLACES)
- ⑨ CAD WELD (TYP).
- ⑩ #6 AWG GROUND FROM FIBER JUNCTION BOX TO TIE INTO (E) GROUND BUSS BAR
- ⑪ GC SHALL VERIFY (2) #6 AWG THIN GROUND LEADS FROM EACH OF TWO REMOTE INDIVIDUAL BUSES TO BE COLLECTED AT ONE MAIN MCB AND FURTHER ROUTED TO (E) BUILDING STEEL OR OTHER (E) DESIGNATED BUILDING GROUNDING SYSTEM (FINAL DESIGNATED POINT OF GROUNDING TO BE COORDINATED BETWEEN CM, GC AND BUILDING OWNER).
- ⑫ ALL ROOF TOP GROUND LEADS SHALL BE THERMOPLASTIC HIGH HEAT-RESISTANT NYLON-COATED (THIN).
- ⑬ (N) SPRINT FIBER JUNCTION BOX MOUNTED ON (N) H-FRAME. CONTRACTOR TO FIELD VERIFY LOCATION DURING CONSTRUCTION
- ⑭ (N) SPRINT BATTERY CABINET (800CV2) TO BE INSTALLED
- ⑮ (N) SPRINT MOCCELL BITS CABINET (9227) TO BE INSTALLED
- ⑯ (E) CLEARWIRE RACK
- ⑰ #6 AWG GROUND FROM MOCCELL CABINET TO TIE INTO (E) GROUND BUSS BAR
- ⑱ #6 AWG GROUND FROM (N) GPS ANTENNA TO TIE INTO (E) GROUND BUSS BAR



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NETWORK VISION MMBTS LAUNCH

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505 SOUTH FEE ANA  
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CITY OF PLACENTIA

ISSUE DATE:

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C	7/25/12	90% CD	JB

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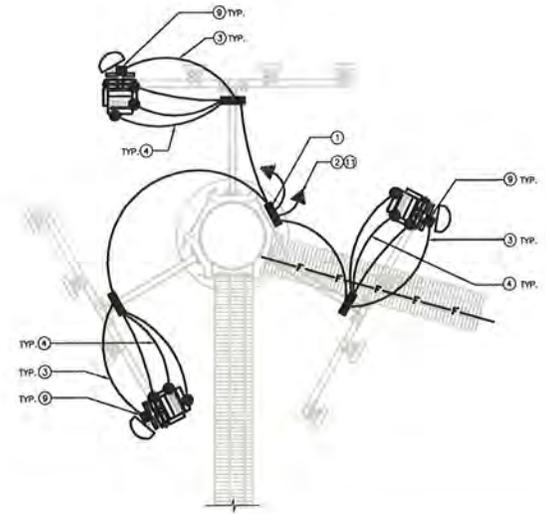
LICENSURE:

SHEET TITLE:

SCHEMATIC GROUNDING PLANS

SHEET NUMBER:

REVISION:



ANTENNA SCHEMATIC GROUNDING PLAN

SCALE: 3/8" = 1'-0" (22x34)  
(OR) 3/16" = 1'-0" (11x17) 1

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊗	COPPER GROUND ROD	⊗	TEST WELL
●	MECHANICAL CONNECTION	■	GROUND BAR
■	CADWELD CONNECTION	—	FIELD VERIFY & TIE INTO (E) GROUNDING SYSTEM

GROUNDING NOTES & LEGEND

- GENERAL GROUNDING NOTES
1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
  2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BITS MANUFACTURERS PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELD AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
  3. ALL GROUND CONNECTIONS SHALL BE CADWELD. ALL WIRES SHALL BE COPPER THIN/THIN. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
  4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY SPRINT WIRELESS, LLC REPRESENTATIVE.
  5. REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
  6. CONTRACTOR TO ABIDE BY ALL ALL / SPRINT SAFETY STANDARDS DURING SITE CONSTRUCTION.
  7. CONTRACTOR SHALL REFER TO ALL / SPRINT STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
  8. ELECTRICAL CONTRACTOR TO PROVIDE DETAILED DESIGN OF GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AUTHORIZED SPRINT MOBILITY REPRESENTATIVE, PRIOR TO INSTALLATION OF GROUNDING SYSTEM. PHOTO DOCUMENT ALL CADWELDS AND GROUND RING.
  9. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.

GROUNDING ROD NOTES

(WHERE APPLICABLE)  
ELECTRICAL CONTRACTOR SHALL ORDER GROUND RESISTANCE TESTING ONCE THE GROUND SYSTEM HAS BEEN INSTALLED. A QUALIFIED INDIVIDUAL, UTILIZING THE FALL OF POTENTIAL METHOD, SHOULD PERFORM THE TEST. THE REPORT WILL SHOW THE LOCATION OF THE TEST AND CONTAIN NO LESS THAN 8 TEST POINTS ALONG THE TESTING LINE, GRIPPED OUT TO SHOW THE PLATEAU.  
2 POINT GROUND TEST OR 3 POINT 62% TESTS WILL NOT BE ACCEPTED AS ALTERNATIVES TO THE AFORE MENTIONED TESTING. TEST SHALL BE PERFORMED WHILE THE COMMUNICATIONS FACILITY, FROM THE 4/G SYSTEM GRIDS AND (E) COMMUNICATIONS FACILITY.

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NETWORK VISION MMBTS LAUNCH

**CASH**  
OG73XC760  
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SHEET TITLE:

GROUNDING DETAILS

SHEET NUMBER:

REVISION:

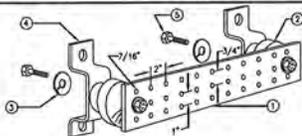
G-2

C

NOT USED 8

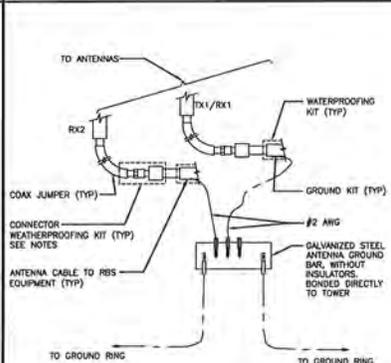
NOT USED 7

NOT USED 2

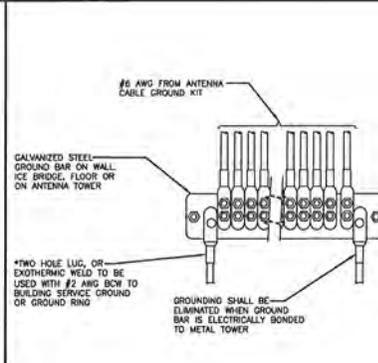


1. GALVANIZED STEEL GROUND BAR, HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR APPROVED EQUAL.
3. 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO., CAT. NO. 3015-8 OR APPROVED EQUAL.
4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO., CAT NO. A-6056 OR APPROVED EQUAL.
5. 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO., CAT NO. 3012-1 OR APPROVED EQUAL.
6. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONPOLE STRUCTURE. CONNECTION TO TOWER/MONPOLE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS.

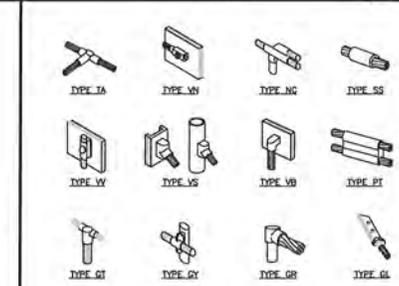
GROUND BAR 6



GROUND CABLE CONNECTION 5



GROUND WIRE INSTALLATION 4



EXOTHERMIC WELD CONNECTIONS 4



# SPRINT NETWORK VISION BACKHAUL PROJECT

## CASH OG73XC760

MONOPINE  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

LATITUDE: 33° 52' 0.03" N  
33.866658

LONGITUDE: 117° 49' 22.06" W  
117.822744

ORANGE COUNTY METRO MARKET



### CALIFORNIA STATE CODE COMPLIANCE:

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES:

- CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLE 24 & 25)
- 2010 CALIFORNIA BUILDING CODE
- CITY/COUNTY ORDINANCES
- BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
- 2010 MECHANICAL CALIFORNIA CODE
- ANSI/ISA-22.5 LIFE SAFETY CODE, NFPA-101
- 2010 CALIFORNIA PLUMBING CODE
- 2010 CALIFORNIA ELECTRICAL CODE
- 2010 LOCAL BUILDING CODE

### ACCESSIBILITY REQUIREMENTS:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2010 CALIFORNIA BUILDING CODE.



VICINITY MAP

### SHEET DESCRIPTION

- T-1 TITLE SHEET
- T-2 SITE PHOTOS
- A-1 OVERALL SITE PLAN
- A-2 ENLARGE EQUIPMENT PLAN
- A-3 EQUIPMENT DETAILS

### SHEET INDEX

### APPLICANT: PARCEL NUMBER(S):

SPRINT  
310 COMMERCE  
IRVINE, CALIFORNIA 92602  
CONTACT: TBD

### PROPERTY INFORMATION:

PROPERTY OWNER: ROBERT SACKETT  
ADDRESS: 893 S. SCOUT TRAIL  
ANHEIM, CA 92807  
CONTACT: T-MOBILE  
PHONE: 714-850-2425

BUILDING CODE: 2010 CBC  
ZONING CLASSIFICATION: M (MANUFACTURING)  
OCCUPANCY / USE: TELECOMMUNICATIONS FACILITY  
PROPOSED PROJECT USE: TELECOMMUNICATIONS FACILITY  
TYPE OF CONSTRUCTION: CITY OF PLACENTIA

### TOWER INFORMATION:

TOWER OWNER: T-MOBILE  
ADDRESS: 3 MACARTHUR PLACE, SUITE 1000  
SANTA ANA, CA 92707  
CONTACT: CATRINA KANGRES  
PHONE: (714) 850-2434  
EMAIL: ckrnna.hongra@t-mobile.com

### LEGAL DESCRIPTION:

LEGAL DESCRIPTION WAS OBTAINED ON 03-28-12 VIA SPRINT SITERRA, USING EXISTING TITLE REPORT.  
PREPARED BY: EASTWEB  
TITLE REPORT #: 238605,  
DATED: 03/22/2002

\*ORBA LINDA TR BLK 36 LOTS FOR OF LOT.

NOTE:  
A CURRENT PLAT OF SURVEY AND ACCOMPANYING LEGAL DESCRIPTION IS NOT AVAILABLE AS PART OF THIS DOCUMENT. THE LEGAL DESCRIPTION DESIGNATED ABOVE WAS ACQUIRED FROM [EastWeb\\_Html/1/tesrodesh1.tir.com/lastweb/1/etolog.asp](http://EastWeb_Html/1/tesrodesh1.tir.com/lastweb/1/etolog.asp)

LEASE AREA:  
APPROX 200 SQ.FT. (E)

### PROJECT SUMMARY

\* CONTRACTOR & CREWS SHALL ABIDE BY SPRINT CONSTRUCTION STANDARDS/REQUIREMENTS IN THE ALL SPRINT SAFETY HANDBOOK.

\* OSHA REGULATIONS/STANDARDS SHALL BE REVIEWED & FOLLOWED BY ALL EQUIPMENT INSTALLERS & TOWER/ROOF TOP CONTRACTORS/SUBCONTRACTORS DURING CONSTRUCTION.

\* THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REMEDY ALL FAULTY, DEFEROR AND/OR IMPROPER MATERIALS, DAMAGED GOODS, AND/OR FACILITY WORKMANSHIP FOR ONE (1) YEAR AFTER THE PROJECT IS COMPLETE AND ACCEPTED UNDER THIS CONTRACT, UNLESS NOTED OTHERWISE IN THE CONTRACT BETWEEN THE OWNER AND CONTRACTOR.

(EXCEPTING THE ROOFING SUBCONTRACTOR SHALL FURNISH A MAINTENANCE AGREEMENT FOR ALL WORK DONE, DESIGNED BY THE GENERAL CONTRACTOR, TO MAINTAIN THE ROOFING IN A WATERIGHT CONDITION FOR A PERIOD OF TWO (2) YEARS STARTING AFTER THE DATE OF SUBSTANTIAL COMPLETION OF THE PROJECT, UNLESS OTHERWISE WRITTEN IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.

\* THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FOR THE SAFETY OF THE OWNER'S EMPLOYEES, WORKMEN AND AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.

\* THE CONTRACTOR SHALL BE REQUIRED TO PAY FOR ALL NECESSARY PERMITS AND/OR FEES WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN PERMIT AND MAKE FINAL PAYMENT FOR SAID DOCUMENT.

### GENERAL NOTES

ACCESS: SITE ACCESS AT ANY TIME. ROAD GATE COMBO LOCK #7851, COMPOUND GATE COMBO LOCK #3210 AND TRACCESS LOCK AT SHELTER DOOR

ANY FIBER/FIBER PATH: THE HOP IS THE AT&T 30"x36"x30" CDP BOX LOCATED OUTSIDE THE SHELTER IN COMPOUND AREA. AT&T TO PLACE FIBER FROM (E) UTILITY POLE # 10453458, RISER DOWN TO TELCO CUPB. AT&T TO DOWNDRO (E) 4" PVC CONDUIT TO AT&T CDP BOX TO SPRINT PULL BOX, LOOP THROUGH (E) TELCO BOARD AND TERMINATE AT (P) FTB LOCATION. (APPROX. 230').

INTERDUCT: SPRINT GC TO ROD, ROPE AND INSTALL INTERDUCT FROM CMFH TO SPRINT TELCO BOARD IN LEASE AREA.

FIBER LOCATION: AT&T TO PLACE FIBR ON SPRINT PROVIDED 30"x36"x12"x3/4" FIBROD BACKBOARD AND GROUND BAR WITH 5' COB. OF #8 AVG GREEN SOLID GROUND WIRE AT THE (E) TELCO BOARD.

EQUIPMENT: SPRINT GC TO INSTALL AT&T UAM/CIENA CABINET ON (E) TELCO BOARD.

AT&T FIBER JUMPER PATH: SPRINT GC TO PROVIDE & INSTALL (1) 1/4" CONDUIT WITH MULE TAPE TO (P) UAM/CIENA CABINET FROM (E) SPRINT PULL BOX. (APPROX. 25').

POWER: SPRINT GC TO PROVIDE & INSTALL (1) 3/4" EMT CONDUIT. SPRINT GC TO USE (E) OR PROVIDE (1) 15 AMP -48 VDC CIRCUIT USING #12 AWG THRU STRANDED CONDUCTORS (APPROX. 20').

GROUNDING: SPRINT GC TO PROVIDE AND INSTALL (1) 1/2" # 2 EMT CONDUIT WITH (1) NEW #8 AND GREEN SOLID WIRE ROUTED WITHIN, FROM THE NEAREST (E) MAIN GROUND BAR TO THE (P) UAM/CIENA LOCATION. (APPROX. 5').

CUSTOMER FIBER: SPRINT GC TO PROVIDE AND INSTALL (1) 1" EMT CONDUIT WITH MULE TAPE FROM (P) UAM/CIENA CABINET TO MM BTS LOCATION (APPROX. 30').

ADDED SCOPE: N/A

### SCOPE OF WORK

### ARCHITECT:

HECTOR POPOROVICH, AIA  
SAC WIRELESS, LLC  
5865 AVENIDA ENGINAS, SUITE 142-B  
CARLSBAD, CA 92008  
CONTACT: JOSEPH BODACZYK  
PH: (760) 795-5212  
EMAIL: joseph.bodaczky@swc.com

### FIBER VENDOR:

AT&T  
CONTACT: TBD  
PH: TBD

### DESIGN CONSULTANT:

ALCATEL-LUCENT  
CONTACT: EDWARD MOWLES  
PH: (951) 704-5576

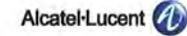
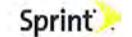
### POWER COMPANY: SCE

CONTACT: TRACY BASS  
PH: 949-697-1424

### TELCO COMPANY:

CONTACT: TBD  
Email: TBD

### PROJECT TEAM



### PROJECT INFORMATION:

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### SHEET TITLE:

TITLE SHEET

### SHEET NUMBER:

### REVISION:

T.1

B



(E) HOP/MEET POINT

6



(E) SIGNAGE

5



(E) POINT OF FEED

4



PROJECT INFORMATION:

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LICENSURE:

SHEET TITLE:

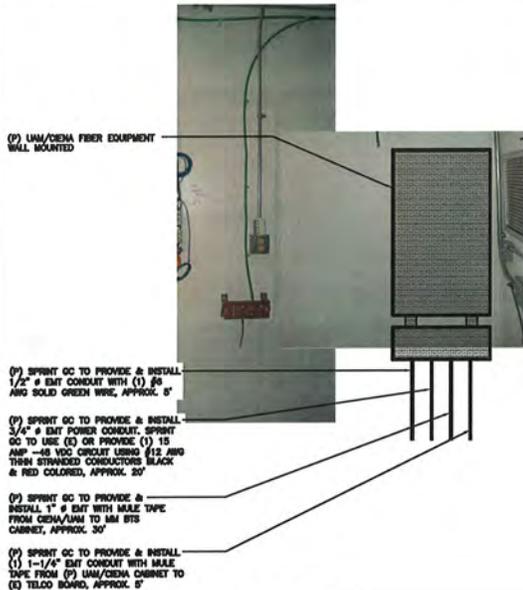
SITE PHOTOS

SHEET NUMBER:

REVISION:

T-2

B



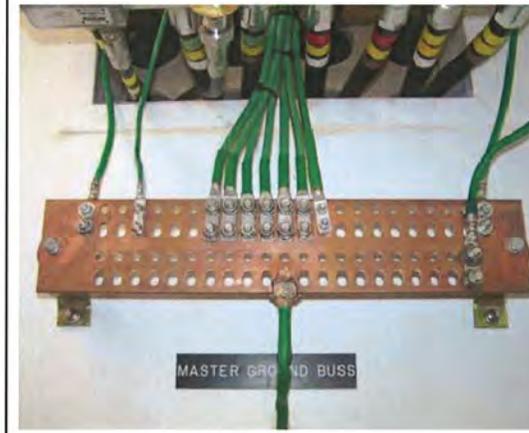
(N) UAM/CIENA LOCATION & CONDUIT RUN

3



-48 VDC POWER SOURCE ELTEK RECTIFIER PLANT

2

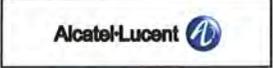
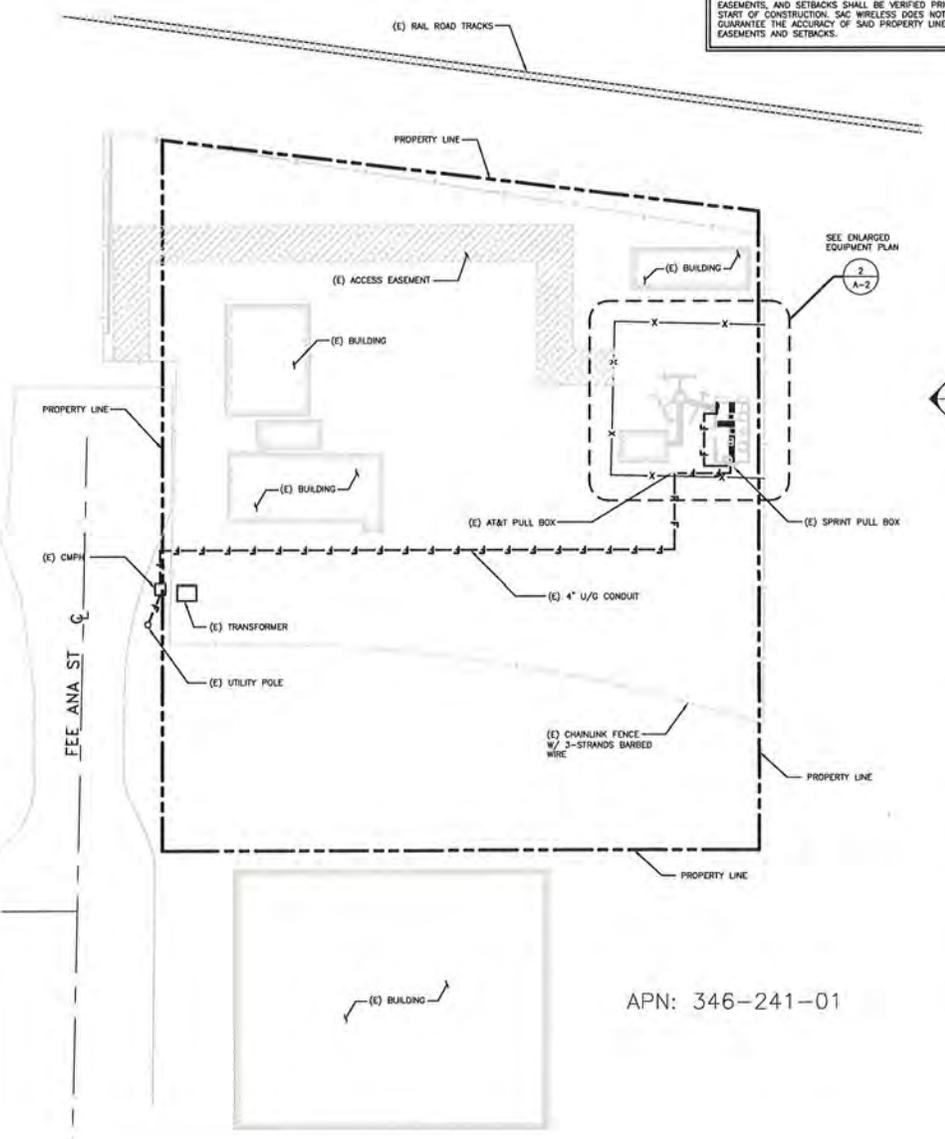


(E) GROUND BAR

**DISCLAIMER**  
 THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY. ALL PROPERTY LINES, EASEMENTS, AND SETBACKS SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION. SAC WIRELESS DOES NOT GUARANTEE THE ACCURACY OF SAID PROPERTY LINES, EASEMENTS AND SETBACKS.

- LEGEND**
- SUBJECT BOUNDARY LINE
  - - - RIGHT-OF-WAY CENTERLINE
  - - - RIGHT-OF-WAY LINE
  - - - ADJACENT BOUNDARY LINE
  - - - SECTIONAL BREAKDOWN LINE
  - (N) FIBER LINE
  - (N) POWER/FIBER LINE
  - OVERHEAD POWER LINE
  - BURIED POWER LINE
  - BURIED GAS LINE
  - OVERHEAD TELEPHONE LINE
  - BURIED TELEPHONE LINE
  - BURIED WATER LINE
  - BURIED SANITARY SEWER
  - BURIED STORM DRAIN
  - DITCH LINE/FLOW LINE
  - VEGETATION LINE
  - x - x - CHAIN LINK FENCE
  - x - x - WOOD FENCE
  - x - x - BARBED WIRE/WIRE FENCE
  - [A] TRANSFORMER
  - [L] LIGHT STANDARD
  - [P] POWER VAULT
  - [U] UTILITY BOX
  - [U] UTILITY POLE
  - [G] GAS VALVE
  - [M] GAS METER
  - [T] TELEPHONE VAULT
  - [R] TELEPHONE RISER
  - [H] FIRE HYDRANT
  - [V] GATE VALVE
  - [W] WATER METER
  - [F] FIRE STAND PIPE
  - [C] CATCH BASIN, TYPE I
  - [C] CATCH BASIN, TYPE II
  - [S] SIGN
  - [B] BOLLARD
  - [M] MAIL BOX
  - 234.21 SPOT ELEVATION

- ABBREVIATIONS**
- |        |                                      |        |                        |
|--------|--------------------------------------|--------|------------------------|
| A/C    | AIR CONDITIONING                     | LIBS   | POUNDS                 |
| ACL    | Above GRADE LEVEL                    | MAX    | MAXIMUM                |
| APPROX | APPROXIMATELY                        | MECH   | MECHANICAL             |
| BLDG   | BUILDING                             | MTL    | METAL                  |
| BLK    | BLOCKING                             | MFR    | MANUFACTURE            |
|        |                                      | MGR    | MANAGER                |
|        |                                      | MEN    | MENUBUS                |
| CLG    | CEILING                              | MISC   | MISCELLANEOUS          |
| CLR    | CLEAR                                | NA     | NOT APPLICABLE         |
| CONC   | CONCRETE                             | NIC    | NOT IN CONTRACT        |
| CONT   | CONTINUOUS                           | NTS    | NOT TO SCALE           |
| DBL    | DOUBLE                               | OC     | ON CENTER              |
| DIA    | DIAMETER                             | OD     | OUTSIDE DIAMETER       |
| DIAG   | DIAGONAL                             | PLYWD  | PLYWOOD                |
| DN     | DOWN                                 | PROJ   | PROJECT                |
| DET    | DETAIL                               | PROP   | PROPERTY               |
| DWG    | DRAWING                              | PT     | PRESSURE TREATED       |
| EA     | EACH                                 | REQ    | REQUIRED               |
| EL     | ELEVATION                            | RM     | ROOM                   |
| ELEC   | ELECTRICAL                           | RO     | ROUGH OPENING          |
| EQ     | EQUAL                                | RRH    | RADIO REMOTE HEAD      |
| EQUIP  | EQUIPMENT                            |        |                        |
| EXT    | EXTERIOR                             | SHT    | SHEET                  |
|        |                                      | SM     | SMALLER                |
| FIN    | FINISH                               | SPEC   | SPECIFICATION          |
| FLOR   | FLOURESCENT FLOOR                    | SF     | SQUARE FOOT            |
| FLR    | FLOOR                                | SS     | STAINLESS STEEL        |
| FT     | FOOT                                 | STL    | STEEL                  |
| GA     | GAUGE                                | STRUCT | STRUCTURAL             |
| GALV   | GALVANIZED                           | STUD   | STUD                   |
| GC     | GENERAL CONTRACTOR                   | SUSP   | SUSPENDED              |
| GRND   | GROUNDING                            | THRU   | THROUGH                |
| GYP BD | GYP SUM WALL BOARD                   | TMA    | TOWER MOUNT AMPLIFIER  |
|        |                                      | TNNG   | TINNED TYPICAL         |
|        |                                      | UNO    | UNLESS NOTED OTHERWISE |
| HORZ   | HORIZONTAL                           | VERT   | VERTICAL               |
| HR     | HOUR                                 | VF     | VERIFY IN FIELD        |
| HT     | HEIGHT                               |        |                        |
| HWAC   | HEATING VENTILATION AIR CONDITIONING | W/     | WITH                   |
|        |                                      | W/O    | WITHOUT                |
| ID     | INSIDE DIAMETER                      | WP     | WEATHER PROOF          |
| INCH   | INCH                                 |        |                        |
| INFO   | INFORMATION                          |        |                        |
| INSUL  | INSULATION                           |        |                        |
| INT    | INTERIOR                             |        |                        |
| ISC    | INTERNATIONAL BUILDING CODE          |        |                        |



PROJECT INFORMATION:

SPRINT WORK VISION BACKHAUL PROJECT  
**CASH**  
 OG73XC760  
 506 SOUTH FEE ANA  
 PLACENTIA, CA 92870  
 CITY OF PLACENTIA

ISSUE DATE:  
 7/23/2012

ISSUED FOR:  
 90% CD REVIEW

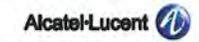
REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
A	7/23/12	ISSUED FOR 90% CD REVIEW	JB
B	9/14/12	ISSUED FOR 90% CD REVIEW	XS

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSURE:

SHEET TITLE:  
 OVERALL SITE PLAN

SHEET NUMBER: **A-1**      REVISION: **B**



PROJECT INFORMATION

SPRINT WORK VISION BACKHAUL PROJECT  
**CASH**  
OG73XC760  
506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

ISSUE DATE:  
7/23/2012

ISSUED FOR:  
90% CD REVIEW

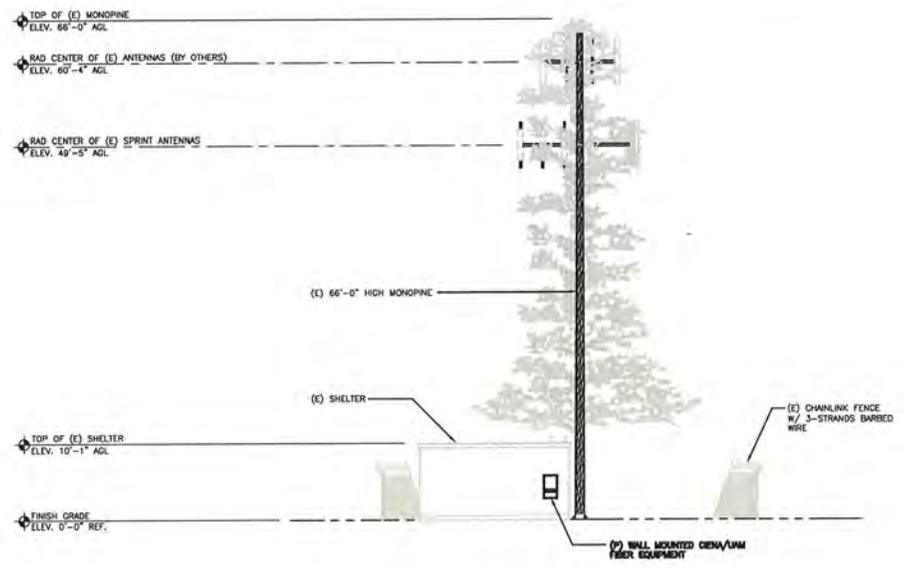
REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
A	7/23/12	ISSUED FOR 90% CD REVIEW	JB
B	9/14/12	ISSUED FOR 90% CD REVIEW	XS

NOT FOR CONSTRUCTION UNLESS  
LABELED AS CONSTRUCTION SET

LICENSURE:

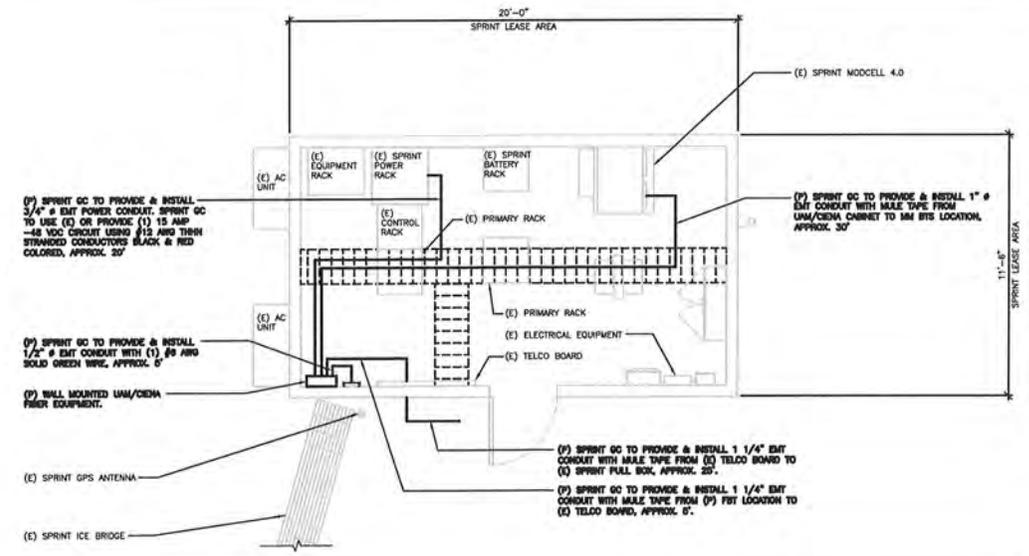
SHEET TITLE:  
EXTERIOR ELEVATION &  
EQUIPMENT PLAN (N)

SHEET NUMBER: **A-2**      REVISION: **B**



EAST ELEVATION (N)

SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17)      1



ENLARGED EQUIPMENT PLAN (N)

SCALE: 3/8" = 1'-0" (24x36)  
(OR) 3/16" = 1'-0" (11x17)      2

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

PROJECT INFORMATION:

SPRINT WORK VISION BACKHAUL PROJECT

CASH  
OG73XC760

506 SOUTH FEE ANA  
PLACENTIA, CA 92870  
CITY OF PLACENTIA

ISSUE DATE:

7/23/2012

ISSUED FOR:

90% CD REVIEW

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
A	7/23/12	ISSUED FOR 90% CD REVIEW	JB
B	9/14/12	ISSUED FOR 90% CD REVIEW	XS

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSE:

SHEET TITLE:

EQUIPMENT DETAILS

SHEET NUMBER:

REVISION:

A-3

B

NOT USED

7

NOT USED

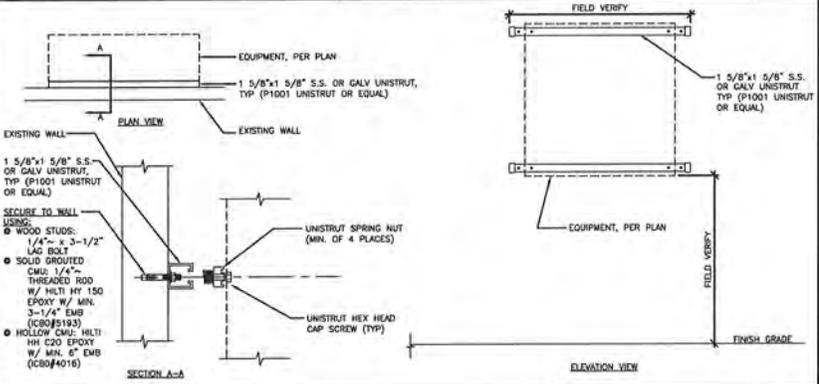
6

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5

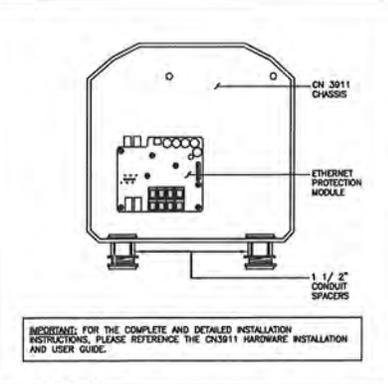
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4



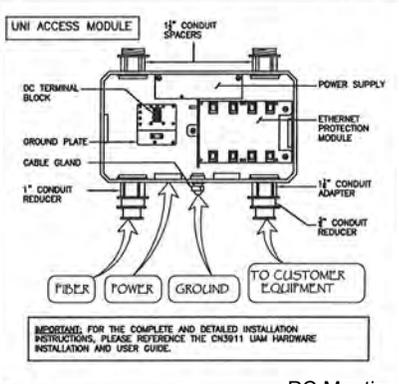
EQUIPMENT - WALL MOUNTED

3



CIENA 3911

2



UAM CIENA

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



Prepared for:  
Sprint Nextel  
c/o Alcatel-Lucent  
26801 West Agoura Road  
Calabasas, CA, 91301

Site No. OG73XC760  
Cash  
506 South Fee Ana  
Placentia, California 92870  
Orange County  
33.866658; -117.822744 NAD83  
monotree

EBI Project No. 62124988  
September 28, 2012



## **EXECUTIVE SUMMARY**

### **Purpose of Report**

EnviroBusiness Inc. (dba EBI Consulting) has been contracted by Sprint Nextel to conduct radio frequency electromagnetic (RF-EME) monitoring and modeling for Sprint Site OG73XC760 located at 506 South Fee Ana in Placentia, California to determine RF-EME exposure levels from existing and proposed Sprint wireless communications equipment at this site. As described in greater detail in Section 11.0 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 28, 2012. This report contains a detailed summary of the RF EME analysis for the site.

This document addresses the compliance of Sprint's proposed transmitting facilities independently and in relation to all collocated facilities at the site.

## **1.0 LOCATION OF ALL EXISTING ANTENNAS AND FACILITIES AND EXISTING RF LEVELS**

This project involves the removal of three (3) existing antennas replaced with three (3) proposed Sprint wireless telecommunication antennas on a monotree located at 506 South Fee Ana in Placentia, California. There are three Sectors (A, B, and C) proposed to be replaced at the site, with one (1) antennas to be re-installed per sector in addition to the three (3) antennas per sector to remain on site.

Based on drawings and aerial photography review, an unknown provider also has wireless antennas on the monotree. These antennas were included in the modeling analysis.

## **2.0 LOCATION OR ALL APPROVED (BUT NOT INSTALLED) ANTENNAS AND FACILITIES AND EXPECTED RF LEVELS FROM THE APPROVED FACILITIES**

There are no antennas or facilities that are approved and not installed based on information provided to EBI and Sprint at the time of this report.

## **3.0 NUMBER AND TYPES OF WTS WITHIN 100 FEET OF THE PROPOSED SITE AND ESTIMATES OF CUMULATIVE EMR EMISSIONS AT THE PROPOSED SITE**

With the exception of the antennas mentioned in Section 1.0, there are no other Wireless Telecommunication Service (WTS) sites observed within 100 feet of the proposed site.

## **4.0 LOCATION AND NUMBER OF THE SPRINT ANTENNAS AND BACK-UP FACILITIES PER BUILDING AND NUMBER AND LOCATION OF OTHER TELECOMMUNICATION FACILITIES ON THE PROPERTY**

Sprint proposes the removal of three (3) existing antennas replaced with three (3) proposed Sprint wireless telecommunication antennas on a monotree located at 506 South Fee Ana in Placentia, California. There are three Sectors (A, B, and C) proposed to be replaced at the site, with one (1) antennas to be re-installed per sector in addition to the three (3) antennas per sector to remain on site.. In each sector, there is proposed to be one antenna transmitting in the 1900 MHz frequency range. The Sector A antennas will be oriented 340° from true north. The Sector B antennas will be oriented 100° from true north. The Sector C antennas will be oriented 220° from true north. The bottoms of the antennas will be 49.1 feet above ground level.

Based on drawings and aerial photography review, an unknown provider also has wireless antennas on the monotree. These antennas were included in the modeling analysis.

## **5.0 POWER RATING FOR ALL EXISTING AND PROPOSED BACKUP EQUIPMENT SUBJECT TO THE APPLICATION**

The operating power for modeling purposes was assumed to be 20 Watts per transmitter and eight (8) transmitters operating at the 1900 MHz.

## **6.0 TOTAL NUMBER OF WATTS PER INSTALLATION AND THE TOTAL NUMBER OF WATTS FOR ALL INSTALLATIONS ON THE BUILDING**

The effective radiated power (ERP) for the 1900 MHz transmitters combined on site is 7,548Watts. The ERPs for other carriers on site was not provided.

## **7.0 PREFERRED METHOD OF ATTACHMENT OF PROPOSED ANTENNA WITH PLOT OR ROOF PLAN INCLUDING: DIRECTIONALITY OF ANTENNAS, HEIGHT OF ANTENNAS ABOVE NEAREST WALKING SURFACE, DISCUSS NEARBY INHABITED BUILDINGS**

Based on the information provided to EBI, the information indicates that the proposed antennas are to be pipe mounted to the monotree, operating in the directions, frequencies, and heights mentioned in section 4.0 above. There are dense industrial communities to the south and dense residential communities to the north.

## **8.0 ESTIMATED AMBIENT RADIO FREQUENCY FIELDS FOR THE PROPOSED SITE**

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 Sprint project is in compliance with FCC rules and regulations. At the nearest walking/working surfaces to the proposed Sprint antennas, the maximum power density is 2.00 percent of the FCC's general public limit (0.40 percent of the FCC's occupational limit). The composite exposure level from all other carriers existing on this site combined with Sprint's proposed antennas is 3.30 percent of the FCC's general public limit (0.66 percent of the FCC's occupational limit) at the nearest walking/working surface to each antenna. The inputs used in the modeling are summarized in the RoofView® export file presented in Appendix B.

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.

## **9.0 SIGNAGE AT THE FACILITY IDENTIFYING ALL WTS EQUIPMENT AND SAFETY PRECAUTIONS FOR PEOPLE NEARING THE EQUIPMENT AS MAY BE REQUIRED BY THE APPLICABLE FCC ADOPTED STANDARDS (DISCUSS SIGNAGE FOR THOSE WHO SPEAK LANGUAGES OTHER THAN ENGLISH)**

Signs are the primary means for control of access to areas where RF exposure levels may potentially exceed the MPE. It is recommended that additional signage be installed for the new antennas making people aware of the antennas locations. There are no exposures above the FCC limits in front of the proposed antennas and therefore barriers are not recommended.

Additionally, there are areas where workers elevated above the ground may be exposed to power densities greater than the general population and occupational limits. Workers and the general public should be informed about the presence and locations of antennas and their associated fields.

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

## **10.0 STATEMENT ON WHO PRODUCED THIS REPORT AND QUALIFICATIONS**

Please see the certifications attached in Appendix A below.

## **11.0 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 (cm<sup>2</sup>). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm<sup>2</sup>) and an uncontrolled MPE of 1 mW/cm<sup>2</sup> for equipment operating in the 1900 MHz frequency range. For the Sprint equipment operating at 800 MHz, the FCC’s occupational MPE is 2.66 mW/cm<sup>2</sup> and an uncontrolled MPE of 0.53 mW/cm<sup>2</sup>. These limits are considered protective of these populations.

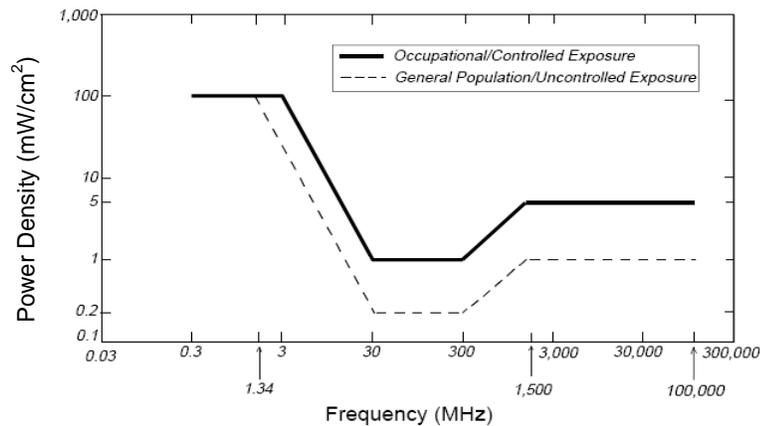
Table I: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time [E] <sup>2</sup> , [H] <sup>2</sup> , or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f <sup>2</sup> )*	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 <sup>2</sup> )	Averaging Time [E] <sup>2</sup> , [H] <sup>2</sup> , or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f <sup>2</sup> )*	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 <sup>2</sup>	1.00 mW/cm <sup>2</sup>
Cellular Telephone	870 MHz	2.90 mW/cm <sup>2</sup>	0.58 mW/cm <sup>2</sup>
Specialized Mobile Radio	855 MHz	2.85 mW/cm <sup>2</sup>	0.57 mW/cm <sup>2</sup>
Most Restrictive Freq, Range	30-300 MHz	1.00 mW/cm <sup>2</sup>	0.20 mW/cm <sup>2</sup>

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 Sprint in this area operate within a frequency range of 800-1900 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.

### **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.

### **12.0 LIMITATIONS**

This report was prepared for the use of Sprint Nextel. 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

### **13.0 SUMMARY AND CONCLUSIONS**

EBI has prepared this Radiofrequency Emissions Compliance Report for the proposed Sprint telecommunications equipment at the site located at 506 South Fee Ana in Placentia, California.

EBI has conducted theoretical modeling to estimate the worst-case power density from Sprint antennas and the other carriers' existing antennas to document potential MPE levels at this location and ensure that site control measures are adequate to meet FCC and OSHA requirements. 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 Sprint project is in compliance with FCC rules and regulations.

Signage is recommended at the site as presented in Section 9.0. Posting of the signage brings the site into compliance with FCC rules and regulations.

## **Appendix A**

### **Certifications**

Reviewed and Approved by:



A handwritten signature in blue ink that reads "H. Stockinger".

---

Herbert J. Stockinger, PE  
Senior Engineer

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

## Preparer Certification

I, C Chang, 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 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**

### **Roofview® Export File**

Map, Settings, Antenna, and Symbol Data Table .. Exported from workbook -> Roof View RF Template\_ATT Composite.xls  
 Done on 9/28/2012 at 10:36:37 AM.

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

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

**StartMapDefinition**

Roof Max Y Roof Max X Map Max Y Map Max X Y Offset X Offset Number of envelope  
 170 170 190 210 20 0 1 \$K\$31:\$FX;\$K\$31:\$FX\$200

List Of Area  
 \$K\$31:\$FX\$

**StartSettingsData**

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

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

ID	Name	Freq (MHz)	Power	Trans Count	Coax Len	Coax Type	Other Loss	Input Power	Calc Power	Mfg	Model	X (ft)	Y (ft)	Z (ft)	Type	Aper (ft)	dBd Gain	BWdth Pt Dir	Uptime Profile	ON flag
SPT A1	Sprint	1900	20	5	10	1/2 LDF	0.5		84.33348	RFS	APXVSPP18-C-A20	15	18	49.1		6	15.9	65;340		ON•
SPT B1	Sprint	1900	20	5	10	1/2 LDF	0.5		84.33348	RFS	APXVSPP18-C-A20	29	12	49.1		6	15.9	65;100		ON•
SPT C1	Sprint	1900	20	5	10	1/2 LDF	0.5		84.33348	RFS	APXVSPP18-C-A20	18	3	49.1		6	15.9	65;220		ON•
SPT A2	Sprint	1900	20	1			3		10.02374			18	18	49.85		4.5	16	65;340		ON•
SPT A3	Sprint	1900	20	1			3		10.02374			21	18	49.85		4.5	16	65;340		ON•
SPT B2	Sprint	1900	20	1			3		10.02374			27	10	49.85		4.5	16	65;100		ON•
SPT B3	Sprint	1900	20	1			3		10.02374			25	8	49.85		4.5	16	65;100		ON•
SPT C2	Sprint	1900	20	1			3		10.02374			16	5	49.85		4.5	16	65;220		ON•
SPT C3	Sprint	1900	20	1			3		10.02374			14	7	49.85		4.5	16	65;220		ON•
UNK1 A1	Unknown	850	50	1			3		25.05936			15	18	58.58333		3.5	12	63;340		ON•
UNK1 A2	Unknown	850	50	1			3		25.05936			26	18	58.58333		3.5	12	63;340		ON•
UNK1 B1	Unknown	850	50	1			3		25.05936			29	12	58.58333		3.5	12	63;100		ON•
UNK1 B2	Unknown	850	50	1			3		25.05936			24	3	58.58333		3.5	12	63;100		ON•
UNK1 C1	Unknown	850	50	1			3		25.05936			18	3	58.58333		3.5	12	63;220		ON•
UNK1 C2	Unknown	850	50	1			3		25.05936			12	11	58.58333		3.5	12	63;220		ON•

**StartSymbolData**

Sym	Map Mark	Roof X	Roof Y	Map Label	Description ( notes for this table only )
Sym		5	35	AC Unit	Sample symbols
Sym		14	5	Roof Access	
Sym		45	5	AC Unit	
Sym		45	20	Ladder	



# Placentia Planning Commission Agenda Staff Report

<b>AGENDA ITEM NO.:</b> 3	<b>DATE:</b> November 13, 2012	<b>PUBLIC HEARING:</b> Yes
<b>APPLICATION:</b> Zoning Code Amendment 2012-01		
<b>DESCRIPTION:</b> Amendment to Chapter 23.90 of Title 23 (Zoning Ordinance) of the Placentia Municipal Code adding a new § 23.90.045 requiring specified signs utilizing non-Latin/Roman alphabet characters to provide a generic description of the business in English and requires applications for such signs to include a certified English translation thereof.		
<b>RELATED APPLICATIONS:</b> None		
<b>APPLICANT:</b> City of Placentia		
<b>PROPERTY OWNER:</b> N/A		
<b>LOCATION:</b> City-wide		
<b>CEQA DETERMINATION:</b> § 15061(b)(3)		
<b>ZONING:</b> City-wide	<b>APN(S):</b> N/A	
<b>GENERAL PLAN:</b> All land uses	<b>CITY COUNCIL ACTION REQUIRED:</b> Yes	
<b>PREPARED BY:</b> Kenneth A. Domer, Assistant City Administrator		
<b>REVIEWED BY:</b> Monique B. Schwartz, Associate Planner		

## **REQUEST:**

To consider a recommendation to the City Council of an amendment to the Zoning Ordinance of the City of Placentia within Chapter 23.90 (Signs – Advertising Structures). The amendment requires specified signs utilizing non-Latin/Roman alphabet characters to provide a generic description of the business in English and requires applications for such signs to include a certified English translation.

## **INTRODUCTION:**

It is recognized that the City's Zoning Code is in much need of an overhaul and modernization which will begin when the General Plan Update is complete. However, from time to time, a specific instance is discovered in which Development Services Staff may recommend an amendment to the Zoning Code. Recently, it came to the attention of the City, that a business located within a commercial zone had installed a new sign without first obtaining a sign permit. While the business has since been cited and will be required to relocate because it is not a permitted use, the signage issue was more of a concern. The sign was completely in a foreign language, with no ability for a person to determine the nature of the business or provide useful information to emergency services in case of emergency.

In discussions with the City Attorney's Office, the City Attorney recommended the adoption of a legally tested Zoning Code amendment which continues to permit signage erected in a foreign language, but does so with an ability for a person, not fluent in the language used, to identify the business or structure in case emergency responders are

required to assist in the event of fire, life threatening emergency or criminal conduct. For example, if a person was to report an emergency situation and was unable to determine the street address, the typical reaction is to report at which business or facility the situation is occurring. However, with signage that does not contain a English language generic description, there may not be a quick way to report such information to authorities.

## **DISCUSSION:**

The proposed ordinance adds § 23.90.045 and reads as follows:

### **Section 23.90.045 – Signs Utilizing Non-Latin/Roman Alphabet.**

A. Every sign larger than four (4) square feet of surface area, erected in connection with any business within the City and which utilizes any non-Latin/Roman letters, symbols, or characters in fifty percent (50%) or more of its advertising message and in lettering readable from the nearest public street, shall be considered to be a “non-English language sign.” Each non-English language sign shall contain thereon a generic description, written in English, of the nature of such business, readable from the nearest public street.

B. In all cases where a zoning sign permit, sign erection permit, or other sign permit is required by this Code or other law, the applicant shall submit to the City a certification, executed under penalty of perjury under the laws of the State of California, containing an English language translation of all letters, symbols, or characters proposed to be displayed on the non-English language sign. An application for any such permit shall not be deemed complete unless and until the applicant has provided the certification required herein.

C. The provisions of this section shall apply to signs meeting the criteria stated herein which are sought to be erected on or after the effective date of this Ordinance.

Upon submission of a sign permit application, City Staff will review the application and draft sign language per the current and proposed sign regulations. In instances in which a proposed sign meets the criteria set forth in the subsection (a) of §23.90.045, Staff will review to ensure that the English language portion is viewable from the public right of way and obtain a generic description of the non-English portion to remain with the sign permit application. In instances where a sign is erected without an applicable sign permit, if and after the proposed ordinance is enacted, then City Code Compliance personnel shall issue a courtesy notice for lack of proper sign permit and violation of §23.90.045.

Pursuant to Placentia Municipal Code § 23.96.040, the Planning Commission, after examination of the proposed zoning code amendment, must make recommendations of its

findings to the City Council. The Planning Commission may recommend approval of Zoning Code Amendment 2012-01 to the City Council, only if it makes the following findings:

Findings

- (1) The proposed amendment will not be: (A) detrimental to the health, safety, or general welfare of the persons residing or working within the neighborhood of the proposed amendment or within the City, or (B) injurious to property or improvements within the neighborhood or within the city; and,

Fact:

The proposed zoning code amendment will not be: (A) detrimental to the health, safety or general welfare of the persons residing or working within the neighborhood of the proposed amendment or within the City, or (B) injurious to property or improvements within the neighborhood or within the City. The basis for this fact is the that the amendment regulates signage to ensure that signs can be interpreted by many persons in the community so as to not lead to failure to timely identify a business or structure where emergency responders are required to assist in the event of fire, life threatening emergency or criminal conduct. Such ability provides for increase health, safety and general welfare of persons residing or working within the City and where such signage may occur.

Findings

- (2) The proposed zoning code amendment will be consistent with the latest adopted general plan.

Fact:

The proposed zoning code amendment is consistent with the latest adopted general plan. The amendment is also consistent with the General Plan update currently being processed by the City.

Accordingly, it is Staff recommendation that the Planning Commission can make the findings and should recommend to the City Council the adoption of Zoning Code Amendment 2012-01.

**CEQA:**

The amendments set forth in the proposed ordinance have been reviewed and considered in accordance with the provisions of the California Environmental Quality Act of 1970, as amended, the Guidelines promulgated thereunder and City Guidelines. Based on this review it is found that it can be seen with certainty that there is no possibility that the amendments set forth may have a significant effect on the environment and, therefore the amendments are not subject to the requirements of the California Environmental Quality act pursuant to the provisions of § 15061(b)(3) of Division 6 of Title 14 of the California Code of Regulations. If adopted, a Notice of Exemption will be filed with the Orange County Clerk/Recorder, as required by law.

**RECOMMENDATION:**

1. Adopt Resolution PC-2012-09 making the required findings; and
2. Recommend approval of Zoning Code Amendment 2012-01 to the City Council, and direct staff to prepare and transmit a report of the findings and recommendations of the Planning Commission to the City Council.

Reviewed by:

Prepared and approved by:

**ELECTRONIC COPY**  
SIGNATURES ON ORIGINALS WITH  
PLANNING COMMISSION SECRETARY

\_\_\_\_\_  
Monique B. Schwartz  
Associate Planner

\_\_\_\_\_  
Kenneth A. Domer  
Assistant City Administrator

**Attachments:**

Attachment A: Zoning Code Amendment 2012-01  
Attachment B: Resolution PC-2012-09

ORDINANCE NO. O-2012-XX

AN ORDINANCE OF THE CITY COUNCIL OF  
THE CITY OF PLACENTIA ADDING A NEW SECTION  
23.90.045 TO CHAPTER 23.90 OF TITLE 23  
(ZONING ORDINANCE) OF THE PLACENTIA MUNICIPAL  
CODE PERTAINING TO SIGNS UTILIZING  
NON-LATIN/ROMAN ALPHABET.  
[Zoning Code Amendment 2012-01]

City Attorney's Summary

This Ordinance adds a new § 23.90.045 to Title 23 of the Placentia Municipal Code requiring specified signs utilizing non-Latin/Roman alphabet characters to provide a generic description of the business in English and requires applications for such signs to include a certified English translation thereof.

**A. Recitals.**

(i). City staff has discovered that certain signs are being erected within the community which are utilizing non-Latin/Roman alphabet characters.

(ii). Such signs cannot be interpreted by many persons in the community and may lead to failure to timely identify a business or structure where emergency responders are required to assist in the event of fire, life threatening emergency or criminal conduct.

(iii). The City desires to amend provisions of Title 23 of the Placentia Municipal Code ("Zoning Ordinance") to ensure prompt identification of businesses and structures utilizing non-Latin/Roman alphabet characters and to require certified translations thereof.

(iv). On November 13, 2012, the Planning Commission of the City of Placentia conducted, and concluded, a duly noticed public hearing, as required by law, to amend the Zoning Ordinance to comport with California law and recommended adoption of this Ordinance to the City Council [Zoning Code Amendment 2012-01].

(v). This City Council has reviewed and considered all elements of amendments to the Zoning Code as recommended by the Planning Commission, including written staff reports and verbal testimony presented during a duly noticed public hearing, which hearing was concluded prior to the adoption of this Ordinance.

(vi). All legal prerequisites to the adoption of this Ordinance have occurred.

**B. Ordinance.**

NOW, THEREFORE, the City Council of the City of Placentia does hereby find, determine and ordain as follows:

SECTION 1. In all respects, as set forth in the Recitals, Part A, of this Ordinance.

SECTION 2. The City Council hereby finds and certifies that the amendments set forth below have been reviewed and considered in accordance with the provisions of the California Environmental Quality Act of 1970, as amended, the Guidelines promulgated thereunder and City Guidelines and, further, finds that it can be seen with certainty that there is no possibility that the amendments set forth below may have a significant effect on the environment and said amendments are therefore not subject to the requirements of the California Environmental Quality act pursuant to the provisions of Section 15061(b)(3) of Division 6 of Title 14 of the California Code of Regulations and hereby directs that a Notice of Exemption be filed with the Orange County Clerk/Recorder, as required by law.

SECTION 3. A new Section 23.90.045 hereby is added to Chapter 23.90 of Title 23 of the Placentia Municipal Code, to read, in words and figures, as follows:

**"Section 23.90.045 - Signs Utilizing Non-Latin/Roman Alphabet.**

"A. Every sign larger than four (4) square feet of surface area, erected in connection with any business within the City and which utilizes any non-Latin/Roman letters, symbols, or characters in fifty percent (50%) or more of its advertising message and in lettering readable from the nearest public street, shall be considered to be a "non-English language sign." Each non-English language sign shall contain thereon a generic description, written in English, of the nature of such business, readable from the nearest public street.

"B. In all cases where a zoning sign permit, sign erection permit, or other sign permit is required by this Code or other law, the applicant shall submit to the City a certification, executed under penalty of perjury under the laws of the State of California, containing an English language translation of all letters, symbols, or characters proposed to be displayed on the non-English language sign. An application for any such permit shall not be deemed complete unless and

until the applicant has provided the certification required herein.

"C. The provisions of this section shall apply to signs meeting the criteria stated herein which are sought to be erected on or after the effective date of this Ordinance."

SECTION 4. Penalty for Violation.

It shall be unlawful for any person, firm, partnership or corporation to violate any provision or to fail to comply with any of the requirements of this Ordinance hereby adopted. Any person, firm, partnership or corporation violating any provision of this Ordinance or failing to comply with any of its requirements shall be deemed guilty of a misdemeanor and upon conviction thereof shall be punished by a fine not exceeding One Thousand Dollars (\$1,000.00), or by imprisonment not exceeding six (6) months, or by both such fine and imprisonment. Each and every person, firm, partnership, or corporation shall be deemed guilty of a separate offense for each and every day or any portion thereof during which any violation of any of the provisions of this Ordinance is committed, continued or permitted by such person, firm, partnership or corporation, and shall be deemed punishable therefore as provided in this Ordinance.

SECTION 5. Civil Remedies Available.

The violation of any of the provisions of this Ordinance hereby adopted shall constitute a nuisance and may be abated by the City through civil process by means of restraining order, preliminary or permanent injunction or in any other manner provided by law for the abatement of such nuisances.

SECTION 6. Severability.

The City Council declares that, should any provision, section, paragraph, sentence or word of this Ordinance be rendered or declared invalid by any final court action in a court of competent jurisdiction, or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences and words of this Ordinance shall remain in full force and effect.

SECTION 7. The Mayor shall sign and the City Clerk shall certify to the passage and adoption of this Ordinance and shall cause the same, or the summary thereof, to be published and posted pursuant to the provisions of law and this Ordinance shall take effect thirty (30) days after passage.

PASSED and ADOPTED this \_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
JEREMY B. YAMAGUCHI, MAYOR

ATTEST:

\_\_\_\_\_  
PATRICK J. MELIA, CITY CLERK

I, PATRICK J. MELIA, City Clerk of the City of Placentia, do hereby certify that the foregoing Ordinance was introduced at a regular meeting of the City Council held on the \_\_\_\_ day of \_\_\_\_\_, 2012 and was finally adopted at a regular meeting held on the \_\_\_\_ day of \_\_\_\_\_, 2012, by the following vote:

AYES: COUNCILMEMBERS:

NOES: COUNCILMEMBERS:

ABSENT: COUNCILMEMBERS:

ABSTAIN: COUNCILMEMBERS:

\_\_\_\_\_  
PATRICK J. MELIA, CITY CLERK

APPROVED AS TO FORM

\_\_\_\_\_  
ANDREW V. ARCZYNSKI,  
CITY ATTORNEY

**RESOLUTION NO. PC-2012-09  
AMENDMENT NO. 2012-01**

**A RESOLUTION OF THE PLANNING COMMISSION OF THE  
CITY OF PLACENTIA RECOMMENDING THE CITY COUNCIL  
ADOPT AN ORDINANCE (AMENDMENT NO. 2012-01) ADDING  
A NEW SECTION 23.90.045 TO CHAPTER 23.90 OF TITLE  
23 (ZONING ORDINANCE) OF THE PLACENTIA MUNICIPAL  
CODE PERTAINING TO SIGNS UTILIZING NON-  
LATIN/ROMAN ALPHABET.**

**A. Recitals.**

(i). On November 13, 2012, this Planning Commission conducted a duly noticed public hearing, as required by law, to consider Amendment No. 2012-01 with said public hearing having been concluded prior to adoption of this Resolution.

(ii). This Planning Commission has reviewed and considered all elements of proposed Amendment No. 2012-01, including written staff reports and verbal testimony presented during the above-referenced public hearing.

(iii). All legal prerequisites to the adoption of this Resolution have occurred.

**B. Resolution.**

**NOW, THEREFORE**, the Planning Commission of the City of Placentia does hereby find, determine, and resolve as follows:

1. This Commission hereby specifically finds that all the facts as set forth in the Recitals, Part A., of this Resolution are true and correct.

2. This Commission finds, and recommends the City Council find, that Amendment No. 2012-01 is in conformance with the Placentia General Plan.

3. This Commission finds, and recommends the City Council find, that Amendment No. 2012-01 specified within the proposed Ordinance attached hereto as "Exhibit A" and made a part hereof, will promote the orderly development of the City and the public health, safety and welfare.

4. This Commission finds, and recommends the City Council find, that Amendment No. 2012-01 will not have a detrimental effect upon land available for housing within the City.

5. Amendment No. 2012-01 responds to requirements of State and other laws, and provides findings, definitions, procedures and standards which support proactive land use, code enforcement and development activities within the City.

6. Amendment No. 2012-01 promotes implementation of the goals and policies set forth in the General Plan.

7. Amendment No. 2012-01 will not be (a) detrimental to the health, safety or general welfare of the persons residing or working within the neighborhood of the proposed amendment or within the City, or (b) injurious to property or improvements within the neighborhood of the proposed amendment or within the City. Amendment No. 2012-01 allows for greater public safety of individuals due to the requirement to have signs be interpreted by many persons in the community in order to timely identify a business or structure where emergency responders are required to assist in the event of fire, life threatening emergency or criminal conduct.

8. The Planning Commission hereby makes, and recommends the City Council make, the following finding: That there is no possibility that the amendments set forth in "Exhibit A" may have a significant effect on the environment and said amendments are therefore not subject to the requirements of the California Environmental Quality act pursuant to the provisions of § 15061(b)(3) of Division 6 of Title 14 of the California Code of Regulations, and the City of Placentia Environmental Guidelines.

9. The Planning Commission hereby recommends that, upon adoption of Amendment No. 2012-01, a Notice of Exemption be filed with the Orange County Clerk/Recorder, as required by law.

10. This Commission finds, and recommends the City Council find, that the facts supporting the above specified findings are contained in the staff report and exhibits, and information provided to this Planning Commission during

the public hearing conducted with respect to Amendment No. 2012-01.

11. This Commission hereby recommends that the City Council of the City of Placentia approve Amendment No. 2012-01 as set forth in "Exhibit A" attached hereto.

12. The Secretary of this Commission shall:

a. Certify to the adoption of this Resolution; and

b. Forthwith transmit a certified copy of this Resolution to the City Council of the City of Placentia together with all documents prepared with respect to these considerations and transcripts of any and all hearings conducted with respect to the Ordinance recommended for approval herein.

PASSED AND ADOPTED this 13<sup>th</sup> day of November, 2012, by the following vote:

AYES:	COMMISSION MEMBERS:
NOES:	COMMISSION MEMBERS:
ABSENT:	COMMISSION MEMBERS:
ABSTAINED:	COMMISSION MEMBERS:

\_\_\_\_\_  
Chairman

ATTEST:

\_\_\_\_\_  
Secretary

APPROVED AS TO FORM

\_\_\_\_\_  
ANDREW V. ARCZYNSKI,  
CITY ATTORNEY