



CITY OF CARSON

PLANNING COMMISSION STAFF REPORT

NEW BUSINESS DISCUSSION: August 13, 2013

SUBJECT: Modification No. 1 Conditional Use Permit No. 444-96 and Modification No 1 Design Overlay Review 637-96

APPLICANT: Ms. Karri Keeble
SureSite Consulting Group
5955 De Soto Avenue
Woodland Hills CA 91367

REQUEST: Removal of existing 52' 9"-high antennas and replacement with 49'-high antennas, and upgrade associated equipment on an existing legal non-conforming 49'-high monopole on a property located in the CG (Commercial, General) zone

PROPERTY INVOLVED: 22017 South Figueroa Street

COMMISSION ACTION

- Concurred with staff
- Did not concur with staff
- Other

COMMISSIONERS' VOTE

AYE	NO		AYE	NO	
		Chairman Faletogo			Gordon
		Vice-Chair Verrett			Piñon
		Brimmer			Saenz
		Diaz			Schaefer
		Goolsby			

Item No. 11A

I. **Introduction**

History

On December 10, 1996, the Planning Commission approved Conditional Use Permit No. 444-96 and DOR 637-96 authorizing the construction of a 49'-high monopole with 52' 9"-high antennas on the subject property. Subsequently, the City adopted Ordinance No. 03-1284, establishing Section 9138.16 of the Carson Municipal Code (CMC), the Telecommunications Ordinance in 2003, which was amended in 2010 (refer to Attachment 4 for a complete copy of Section 9138.16).

The applicant originally requested administrative approval for replacing the existing antennas with new antennas on the arms the existing monopole. Staff could not support this design since the proposal was not a stealth facility as required by the Development Code. On the other hand, the applicant was requesting administrative approval of their proposal citing the Middle Class Tax Relief and Job Creation Act of 2012 (Tax Act) which is further explained in the Background section of the staff report. After several months of negotiations, staff and the applicant have agreed on a compromised design that both meets the applicant's objectives and has staff's support.

Project Description

The applicant, Karri Keeble of SureSite Consulting Group, LLC, as an agent for Sprint, is requesting approval of Modification No.1 to Conditional Use Permit (CUP) No. 444-96 and Modification No. 1 to Design Overlay Review (DOR) No. 637-96 to remove all CDMA panel antennas (4 per sector for a total of 12) and to replace them with new 72" high panel antennas (1 per sector for a total 3) along with associated RRH units mounted behind the antennas (2 per sector for a total of 6); install 3 combiners (1 per sector for a total of 3); install 3 new single hybrid fiber optic cabling routed from an existing Sprint equipment area to all antenna sectors; retrofit one existing Sprint Modcell 4.0 cabinet; and install one new junction box within the existing equipment enclosure area. The proposal includes antennas that are arranged closer together to reduce the existing 158-square-foot footprint of the antennas to 37 square feet. The maximum height of the antennas are proposed at 49' which is lower than approved height of 52' 9" originally approved in 1996 by CUP 444-96 and DOR 637-96 (Exhibit 3). The pole height remains the same at 49'.

The subject property is zoned CG (Commercial, General) and has a General Plan land use designation of General Commercial. The property to the south is zoned RM-25 and is developed with multifamily homes; the I-110 off-ramp and I-110 freeway are to the north and west of the property; and Stephen White Middle School is located to the east across Figueroa Street (Exhibit 2).

The monopole and supporting equipment is located within a retail center with two buildings. In addition to the subject monopole, there are two other telecommunication facilities on the retail center site. A second monopole is located approximately 28 feet to the southwest of the subject site approved by DOR No. 529-90 and CUP No. 370-90 and constructed in 1991 by Pac-Tel Cellular. One additional roof-mounted cellular telecommunications facility is located behind the parapet of the 2-story A-1 All American Roofing Co. building to match the existing building façade. This stealth design was approved by DOR No. 904-05 and constructed in 2006.



II. Background

Middle Class Tax Relief and Job Creation Act of 2012

Ordinarily, telecommunication facilities submitted to the City are reviewed for compliance with the CMC. However, on February 22, 2012, the Middle Class Tax Relief and Job Creation Act of 2012 (Tax Act) became law. Portions of this law apply to telecommunication facilities. Specifically, Section 6409(a) of the Tax Act provides that a state or local government “may not deny, and shall approve” any request for collocation, removal, or replacement of transmission equipment on an existing wireless tower or base station, provided the proposed modifications do not substantially change the physical dimensions of the tower or base station. The full text of Section 6409(a) is included as Exhibit 5. Since the language included in this law is somewhat vague, on January 25, 2013, the Federal Communication Commission issued a Public Notice to interpret Section 6409(A) of the Middle Class Tax Relief and Job Creation Act of 2012, refer to Exhibit 6 for this Public Notice. The Tax Act includes some provisions that may be interpreted to preempt the requirements of the CMC. Therefore, the staff report will analyze the compliance of the proposed project with both the CMC and the Tax Act. The recommendation in the staff report has taken into account the inherent conflict between the CMC and the Tax Act and litigation risks associated with denial of the project based on inconsistency with the CMC (Exhibit 4).

III. Analysis

Compliance with Carson Municipal Code Requirements

Major Communication Facility

The proposed facility is considered a Major Communication Facility as defined by CMC Section 9138.16.B.11:

“Major communications facility means a facility other than a minor communications facility, which includes ground-mounted or freestanding facilities and facilities that are not stealth. A facility located within a residential zone, regardless of stealth design, is considered a major communications facility.”

The proposed project is not a minor communication facility, is freestanding and is not designed as a complete stealth facility as defined by CMC Section 9138.16.B.18. While the applicant has proposed a less intrusive design than the existing antennas (and the previously proposed design) to help minimize aesthetic impacts of the project; the stealthing is not consistent with CMC Section 9138.16.B.18 which states:

“Stealth” means camouflaged or designed to blend with the surrounding environment and land uses, minimize aesthetic impact on adjacent uses, and conceal the intended use and appearance of the structures.

Requirement of CUP and DOR

As stated below, CMC Section 9138.16.D.2 requires major communication facilities to be approved by a DOR and CUP:

“Major Communications Facilities. Major communications facilities shall be subject to the approval of a development plan in accordance with the site plan and design review procedures as provided in CMC 9172.23 and conditional use permit procedures as provided in CMC 9172.21.”

The applicant has filed a Modification No. 1 to Cup 444-96. However, they have not filed for a modification to DOR No. 637-96. Therefore, Condition No. 17 has been added to require the applicant to file for this modification and pay the applicable fee.

Requirement for Stealth Design

CMC Section 9138.16.H requires the Planning Commission to make 3 findings, including the following finding when approving telecommunication facilities:

“The proposed communications facility will be aesthetically compatible, located and designed to minimize the visual impact on surrounding properties and from public streets, including adequate screening through the use of landscaping that harmonize with the elements and characteristics of the property and/or stealth which incorporates the facility with the structure in which it will be mounted through use of material, color, and architectural design.” (9138.16.H.2)

The proposed site is not aesthetically compatible, nor located nor designed to minimize the visual impact on surrounding properties and from public streets and is not screened by landscaping and is visible from I-110 and Figueroa Street. However, a more stealth design as proposed by the Applicant would enable the Planning Commission to make the above finding.

As stated above, while this modification will reduce the aesthetic impact, however, the modifications do not rise to level of City standards for stealthing. In light of the Tax Act and the limitations imposed on the City’s ability to regulate facilities, staff is of the opinion that at this time the proposed modification is sufficient. Notably, the conditions of approval allow the City to bring the facility back for review by the City and the Planning Commission in the event the law is changed or repealed.

Non-Conforming Facilities

CMC Section 9138.16.K. states that non-conforming facilities have to comply with certain requirements:

“... Any major communications facility that is lawfully constructed prior to the effective date of the ordinance codified in this Section shall be deemed a nonconforming use and will be subject to the provision of CMC 9182.21 and 9182.22. Additionally, CMC 9172.25 and 9182.05 shall govern any request for an extension to the nonconforming privilege.”

According to the section cited above, the proposed project is considered a nonconforming use and subject to CMC Section 9182.22 and 9182.22.A,



Termination of Existing Nonconforming Use. These sections state that nonconforming telecommunication facilities shall be terminated and made conforming in all aspects within 5 years from the date of the adoption of Ordinance No. 03-1284:

“A lawfully established use which becomes a nonconforming use, including any buildings, structures or facilities designed or intended only for uses which are nonconforming, shall be terminated and such buildings, structures or facilities shall be removed or made conforming in all respects within the time period specified in subsection A or B of this Section, whichever is applicable and results in the later termination date.

A. The time period indicated in the following table measured from the date of becoming a nonconforming use:

Use	Allowable Life
Wireless telecommunications facility, transmitter, receiver or repeater station – radio, television, microwave	5 years”

The facility was constructed in 1996 and 5 years have passed since the adoption of Ordinance 03-1284 in 2003; therefore, the facility is required to be made conforming in all aspects immediately. A more stealth design as proposed by the applicant has less of an aesthetic impact; however, it should be noted that the facility does not meet the City’s standards with regards to height and stealthing.

Design and Development Standards

CMC Section 9138.16.F, Design and Development Standards, requires all telecommunication facilities to comply with the following:

1. Setbacks. No communications facility shall be located within or extend into the required setbacks established in the applicable zone.

Front yard setback is approximately 124’- meets the required 20’ front yard setback

Side yard setback is approximately 24’- meets the required 10’ side yard setback

Rear yard setback is approximately 21’3”- meets the required 0’ rear yard setback

Therefore, it complies with this requirement.

2. Height.

a. Communications facilities utilizing a freestanding support structure shall be limited to the maximum building height for the applicable zoning district.

Section 9136.12 of CMC, Height of Buildings and Structures, limits the height of structures within the CG zone to 30 feet. The height of the proposed project is 49’. Therefore, the proposed project exceeds height requirement for the CG zone by over 63% and does not meet this requirement. Refer to Section 2.d. below.



b. In zoning districts with no maximum height limit, a communications facility which utilizes a freestanding support structure shall not exceed fifty (50) feet in height above the ground. The zoning of all locations shall be interpreted in accordance with CMC 9114.2.

This section is not applicable since the CG zone has a 30-foot height limit.

c. New communications facilities constructed on existing conforming structures shall not exceed the height of the existing structure, except for fully stealth roof-mounted facilities on existing buildings which may project up to the maximum height limit described in this Section or eight (8) feet above the roof from where it is attached, whichever is higher.

The project is not being proposed on an existing structure. Therefore, this section is inapplicable.

d. The Planning Commission or Planning Division may consider approval of facilities to exceed the maximum height limit described in this Section subject to approval of a minor or major exception as described in subsection G (Exceptions) of this Section. Existing facilities lawfully erected prior to July 17, 2003, may have a height limit greater than subsection G (Exceptions) of this Section provided there is no expansion or intensification to the facility.

As indicated in Section 2.a. above, the proposed project exceeds the permitted height by over 63%. Subsection G permits up to 30% deviation from the height requirement. Since the deviation is over 63%, subsection G exceptions are not applicable. However, the Planning Commission may approve greater height limits for existing lawfully erected facilities provided there is no expansion or intensification to the facility. The existing facility was erected legally; however, the legal non-conforming status has expired and could be subject to abatement. However, section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities (see complete text of 6409(a) below). This code section is silent on non-conforming uses, and the intent of the code section was for the rapid deployment of new technology. As such, while not entirely clear, it would appear that section 6409(a) requires that the City must approve the proposed facility, despite its non-conformity with the code, or risk litigation from the carrier. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event section 6409(a) is repealed or amended.

3. Undergrounding. Electrical wiring associated with a facility shall be buried underground or hidden in a manner acceptable to the Planning Division and Engineering Division or Planning Commission if applicable. To the extent technologically feasible, all vaults, equipment, shelters, structures, or any other device related to or required for use of a facility, shall be underground in the open space zone, in the right-of way, and where all other utilities are required to be underground. In all other areas in the City, all vaults, equipment, shelters, structures, and other devices shall be permitted aboveground only when said devices are not visible from adjacent property or the right-of-way.

The proposed project includes existing above ground equipment enclosure that is screen from view. Therefore, it complies with this requirement.



4. Microwave Dishes. Where economically feasible the use of microwave dishes shall be prohibited and underground lines utilized. Upon a showing of economic infeasibility, microwave dishes up to twenty-six (26) inches shall be permitted.

The proposed project does not include microwave dishes. Therefore, it complies with this requirement.

5. Painting. The communications facility and supporting structure(s) shall be painted a neutral, non-glossy color that matches the color of the structure to be mounted on or to the color of the surrounding environment subject to the satisfaction of the Planning Manager.

The proposed project is painted a neutral, non-glossy color, and somewhat blends into the surrounding environment. However, section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities (see complete text of 6409(a) below). This code section is silent on non-conforming uses, and the intent of the code section was for the rapid deployment of new technology. As such, while not entirely clear, it would appear that section 6409(a) requires that the City must approve the proposed facility, despite its non-conformity with the code, or risk litigation from the carrier. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event section 6409(a) is repealed or amended.

6. Lighting. All communications facilities, except exempt facilities, shall be unlit, except for a manually operated or motion-detector controlled light above the equipment door which shall be used only for personnel maintenance purposes. This requirement is not intended to address interior structure lighting.

The proposed project does not include lighting. Therefore, it complies with this requirement.

7. Noise.

a. All communications facilities, except exempt facilities, shall be constructed and operated in such a manner as to meet the requirements of the noise ordinance.

The proposed project will meet all noise ordinance requirements. Therefore, it complies with this requirement.

b. Backup generators shall only be operated during power outages and for testing and maintenance purposes. No backup generator shall be utilized for longer than seventy-two (72) hours without prior approval of the Engineering Division or Planning Division.

The proposed project will only utilize backup generators during power outages. Therefore, it complies with this requirement.

c. If the facility is located within one hundred (100) feet of a residential dwelling unit, noise attenuation measures, including redesign or screening, shall be



included to reduce exterior noise levels to meet the requirements of the noise ordinance.

The proposed project is not within 100' of residential dwellings. Therefore, it complies with this requirement.

8. Signs. The display of any sign or any other graphic on a communications facility or on its screening is prohibited, except for signs for health, safety, and welfare purposes which are required to be posted in case of an emergency. Emergency signs shall be visibly posted at the facility and shall include contact information, including the phone number of the utility provider.

The proposed project does not include signs. Therefore, it complies with this requirement.

9. Performance Bond. A faithful performance bond shall be required to ensure compliance with City codes and standards, and the removal of abandoned antennas or facilities, before the issuance of any building or public works permits.

The proposed project is conditioned to submit a Performance Bond to comply with the requirement of this CUP and DOR.

Furthermore, Section 9138.16.E. requires submittal of Local Facilities Map, Site Justification Study, RF Emissions Report. Since the site is an existing facility, the Local Facilities Map and Site Justification Study reports are not necessary to be submitted. However, RF Emissions Report is included as Exhibit 7.

Compliance with Section 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012

The new federal law relates to upgrades, removals and collocations of telecommunication facilities. The relevant code reads as follows:

“(a) Facility modifications

(1) In general

Notwithstanding section 704 of the Telecommunications Act of 1996 (Public Law 104–104) or any other provision of law, a State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.

(2) Eligible facilities request

For purposes of this subsection, the term “eligible facilities request” means any request for modification of an existing wireless tower or base station that involves—

- (A) Collocation of new transmission equipment;
- (B) Removal of transmission equipment; or
- (C) Replacement of transmission equipment.

(3) Applicability of environmental laws



Nothing in paragraph (1) shall be construed to relieve the Commission from the requirements of the National Historic Preservation Act or the National Environmental Policy Act of 1969.”

(47 USC 1455(a).)

Findings

CMC Section 9172.21, Conditional Use Permit Findings

According to CMC Section 9172.21 – Conditional Use Permit, the Planning Commission shall recommend approval of the proposal if it is able to make affirmative findings based on the following criteria:

a. The proposed use and development will be consistent with the General Plan.

The proposed project is consistent with the General Plan of the City of Carson in that it promotes sustainable communication systems that meet the needs of the community (Goal TI 9).

b. The site is adequate in size, shape, topography, location, utilities, and other factors to accommodate the proposed use and development.

The proposed project is on a 12,400-square-foot lot that is adequate in size, topography, and location to accommodate the proposed project.

c. There will be adequate street access and traffic capacity.

Adequate access is provided to the site from Figueroa Street. No additional traffic is expected as a result of the proposed project.

d. There will be adequate water supply for fire protection.

Prior to the issuance of building permits, the Los Angeles County Fire Department will ensure adequate water supply for fire protection is provided.

e. The proposed use and development will be compatible with the intended character of the area.

The proposed project will be more compatible with the intended character of the area than the existing antennas and the originally proposed project as it better blends in with the surrounding commercial and residential development. The proposed project is governed by the design requirement for telecommunication facilities as stated in CMC Section 9138.16.H; and while it is not a completely stealth design as required by City standards, Section 6409(a) of the Tax Act provides that the City “may not deny and shall approve” proposed upgrades to wireless facilities. As such, the conditions of approval reserve the City’s right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

- f. **Such other criteria as are specified for the particular use in other Sections of this Chapter.**

The Planning Commission shall make the findings for telecommunication facilities pursuant to Section 9138.16(H), Wireless Telecommunications Facilities. As stated below in section "CMC Section 9138.16H, Telecommunication Facilities Findings" of the staff report, the planning commission can make all the findings required for telecommunication facilities; therefore, the proposed project meets this finding.

CMC Section 9172.21 further states that:

"If the Commission finds that any adverse effects will occur as a result of the proposed use and development, such effects must be found to be justified by the benefits to the public interest which will occur as a result of such use and development."

With the proposed design, which is not stealthed to meet City standards, the Commission can find the benefit of providing upgraded antennas and better wireless service would outweigh the adverse effects of the proposed facility.

"If the Commission does not make affirmative findings with respect to the above criteria and is unable to impose conditions to mitigate any adverse finding, the Commission shall disapprove a Conditional Use Permit."

The Commission can make affirmative findings with respect to the above criteria and is able to impose conditions to mitigate any adverse finding; further the City is limited in its ability to request modifications in light of the new federal law and therefore, staff recommends that the Commission approve the requested Conditional Use Permit.

In making its decision, the Commission shall adopt written findings with respect to the above criteria.

The Commission has made written findings.

CMC Section 9172.23.D, Development Plan Findings

According to CMC Section 9172.23.D.1, Site Plan and Design Review Findings and Decisions, the Commission shall approve a Development Plan if it is able to make affirmative findings based on the following criteria:

- a. **Compatibility with the General Plan, any specific plans for the area, and surrounding uses.**

The proposed project is consistent with the General Plan of the City of Carson in that it promotes sustainable communication systems that meet the needs of the community (Goal TI 9).

- b. **Compatibility of architecture and design with existing and anticipated development in the vicinity, including the aspects of site planning, land coverage, landscaping, appearance and scale of structures and open spaces, and other features relative to a harmonious and attractive development of the area.**



The proposed project is more compatible with the intended character of the area than the existing antennas as it better blends in with appearance and scale of the structures surrounding commercial and residential development. While the site is not fully stealth as required by City standards Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

c. Convenience and safety of circulation for pedestrians and vehicles.

Adequate and safe access is provided to the site for pedestrians and vehicles.

d. Attractiveness, effectiveness and restraint in signing graphics and color.

No signs or graphics is proposed as part of the proposed project.

e. Development scheduling (if phased development) which will satisfy the above criteria in each phase.

No phasing is proposed.

f. Conformance to any applicable design standards and guidelines which have been adopted pursuant to CMC 9172.15. Such design standards and guidelines may be generally applicable or may specify different requirements for different areas.

The proposed facility, as proposed conforms to all applicable design standards applicable to this project with the exception of height and stealthing as discussed in this staff report. Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities, as such, the City is preempted from imposing its standards. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

The section continues that if a proposed development complies with all applicable requirements and standards of this Chapter and other laws and regulations, and the approving authority finds that the criteria of Section 9172.23.D.1 are adequately met, or can be met if specified conditions are observed, the Development Plan shall be approved, subject to such specified conditions. If the approving authority finds that the proposal cannot meet and cannot be modified to meet the requirements of this Chapter and the above criteria, the Development Plan shall be disapproved. In all cases, findings shall be made concerning the grounds for approval or disapproval.

The proposed facility complies with most the requirements of Chapter 1 of the municipal code; however, it is not considered a stealth facility and does not meet the height requirements. Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities, as such the City is preempted from imposing its standards. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.



After a decision is made, a notice of the Commission's decision will be mailed to the applicant as provided in CMC 9173.32.

CMC Section 9138.16H, Telecommunication Facilities Findings

CMC Section 9138.16.H requires that in addition to findings in CMC Sections 9172.21 and 9172.23 for approval of a DOR and CUP, the following additional findings would have to be made:

1. The proposed site is the least intrusive after considering co-location with another facility, other networks available such as distributed antenna systems, and location at another site. If located in the public right-of-way or on City-owned or leased property, the facility must meet the requirements of the Engineering Division.

While the proposed project is not the least intrusive as it is not a complete stealth facility, the proposed design is less intrusive than the existing antennas as it better blends in with the appearance and scale of the structures surrounding commercial and residential development. Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities and as such preempts the City from imposing its standards. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

2. The proposed communications facility will be aesthetically compatible, located and designed to minimize the visual impact on surrounding properties and from public streets, including adequate screening through the use of landscaping that harmonize with the elements and characteristics of the property and/or stealth which incorporates the facility with the structure in which it will be mounted through use of material, color, and architectural design.

The proposed facility has an improved design that will increase the aesthetic compatibility and will better minimize the visual impact on surrounding properties and public streets; however it is not screened by landscaping and is visible from I-110 and Figueroa Street and therefore does not meet City standards. Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities and as such preempts the City from imposing its standards. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

3. The proposed communications facility is not located on any residential dwelling or on any property which contains a residential dwelling, or any property wherein a person resides, except as may be associated with a church, temple, or place of religious worship.

The proposed project is not located within a residential zone or dwelling.

Notable Conditions of Approval

10. Throughout the life of the project, the applicant shall be responsible to replant the two Eucalyptus trees, which are adjacent to the proposed project, with large specimen trees if they are damaged, diseased, or dead.
17. The applicant shall file a new application for Modification No. 1 to DOR No. 637-96 and pay the applicable fees.
18. A faithful performance bond shall be submitted to ensure compliance with City codes and standards, and the removal of abandoned antennas or facilities.
19. The City reserves the right to rescind or modify the approvals should Section 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012 be modified or repealed.
22. The CDMA antennas and associated brackets shown on Page A-3 shall be removed.

IV. Environmental Review

Pursuant to Section 15301 – Existing Facilities (Class 1) of the California Environmental Quality Act (CEQA), the proposed 49'-high wireless telecommunications facility is exempt. The project does not have the potential to cause a significant effect on the environment.

V. Recommendation

That the Planning Commission:

- APPROVE the proposed project; and
- WAIVE further reading and ADOPT Resolution No. 13-___, entitled "A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CARSON APPROVING MODIFICATION NO. 1 TO DESIGN OVERLAY REVIEW NO. 637-96 AND CONDITIONAL USE PERMIT NO. 444-96 TO REMOVE AND REPLACE ANTENNAS AND UPGRADE ASSOCIATED EQUIPMENT ON AN EXISTING LEGAL NON-CONFORMING MONOPOLE ON A PROPERTY LOCATED AT 22017 SOUTH FIGUEROA STREET."

VI. Exhibits

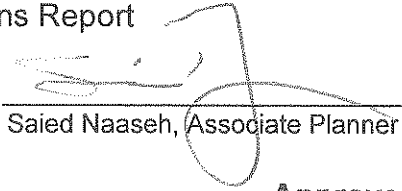
1. Draft Resolution
2. Site Map
3. Development Plans
4. CMC Section 9138.16
5. Section 6409(a) of Middle Class Tax Relief and Job Creation Act of 2012



6. Federal Communication Commission Public Notice

7. RF Emissions Report

Prepared by:


Saied Naaseh, Associate Planner

Approved by:


John F. Signo, AICP, Senior Planner



CITY OF CARSON
PLANNING COMMISSION
RESOLUTION NO. 13-_____

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF CARSON APPROVING MODIFICATION NO. 1 TO DESIGN OVERLAY REVIEW NO. 637-96 AND CONDITIONAL USE PERMIT NO. 444-96 TO REMOVE AND REPLACE ANTENNAS AND UPGRADE ASSOCIATED EQUIPMENT ON AN EXISTING LEGAL NON-CONFORMING MONOPOLE ON A PROPERTY LOCATED AT 22017 SOUTH FIGUEROA STREET

THE PLANNING COMMISSION OF THE CITY OF CARSON, CALIFORNIA, HEREBY FINDS, RESOLVES AND ORDERS AS FOLLOWS:

Section 1. An application was duly filed by the applicant, Karri Keeble, SureSite Consulting Group, with respect to Modification No. 1 to Design Overlay Review No. 637-96 and Modification No. 1 to Conditional Use Permit No. 444-96 to remove existing antennas and replace them with new antennas and associated equipment on an existing legal non-conforming 53-foot-high monopole on a property located at 22017 South Figueroa Street, and described in Exhibit "A" attached hereto.

A public hearing was duly held on August 13, 2013, at 6:30 P.M. at City Hall, Council Chambers, 701 East Carson Street, Carson, California. A notice of time, place and purpose of the aforesaid meeting was duly given.

Section 2. Evidence, both written and oral, was duly presented to and considered by the Planning Commission at the aforesaid meeting.

Section 3. The Planning Commission finds that:

CMC Section 9172.21, Conditional Use Permit

a) The proposed use and development will be consistent with the General Plan.

The proposed project is consistent with the General Plan of the City of Carson in that it promotes sustainable communication systems that meet the needs of the community (Goal TI 9).

b) The site is adequate in size, shape, topography, location, utilities, and other factors to accommodate the proposed use and development.

The proposed project is on a 12,400-square-foot lot that is adequate in size, topography, and location to accommodate the proposed project.

c) There will be adequate street access and traffic capacity.

Adequate access is provided to the site from Figueroa Street. No additional traffic is expected as a result of the proposed project.



d) There will be adequate water supply for fire protection.

Prior to the issuance of building permits, the Los Angeles County Fire Department will ensure adequate water supply for fire protection is provided.

e) The proposed use and development will be compatible with the intended character of the area.

The proposed project will be more compatible with the intended character of the area than the existing antennas and the originally proposed project as it better blends in with the surrounding commercial and residential development. The proposed project is governed by the design requirement for telecommunication facilities as stated in CMC Section 9138.16.H; and while it is not a completely stealth design as required by City standards, Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event section 6409(a) is repealed or amended.

f) Such other criteria as are specified for the particular use in other Sections of this Chapter.

The Planning Commission shall make the findings for telecommunication facilities pursuant to Section 9138.16(H), Wireless Telecommunications Facilities. As stated below in section "CMC Section 9138.16H, Telecommunication Facilities Findings" of the staff report, the planning commission can make all the findings required for telecommunication facilities; therefore, the proposed project meets this finding.

g) CMC Section 9172.21 further states that:

"If the Commission finds that any adverse effects will occur as a result of the proposed use and development, such effects must be found to be justified by the benefits to the public interest which will occur as a result of such use and development."

With the proposed design, which is not stealthed to meet City standards, the Commission can find the benefit of providing upgraded antennas and better wireless service would outweigh the adverse effects of the proposed facility.

"If the Commission does not make affirmative findings with respect to the above criteria and is unable to impose conditions to mitigate any adverse finding, the Commission shall disapprove a Conditional Use Permit."

The Commission can make affirmative findings with respect to the above criteria and is able to impose conditions to mitigate any adverse finding; further the City is limited in its ability to request modifications in light of the new federal law and therefore, staff recommends that the Commission approve the requested Conditional Use Permit.



CMC Section 9172.23.D, Development Plan

- a) **Compatibility with the General Plan, any specific plans for the area, and surrounding uses.**

The proposed project is consistent with the General Plan of the City of Carson in that it promotes sustainable communication systems that meet the needs of the community (Goal TI 9).

- b) **Compatibility of architecture and design with existing and anticipated development in the vicinity, including the aspects of site planning, land coverage, landscaping, appearance and scale of structures and open spaces, and other features relative to a harmonious and attractive development of the area.**

The proposed project is more compatible with the intended character of the area than the existing antennas as it better blends in with appearance and scale of the structures surrounding commercial and residential development. While the site is not fully stealth as required by City standards Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

- c) **Convenience and safety of circulation for pedestrians and vehicles.**

Adequate and safe access is provided to the site for pedestrians and vehicles.

- d) **Attractiveness, effectiveness and restraint in signing graphics and color.**

No signs or graphics are proposed as part of the proposed project.

- e) **Development scheduling (if phased development) which will satisfy the above criteria in each phase.**

No phasing is proposed.

- f) **Conformance to any applicable design standards and guidelines which have been adopted pursuant to CMC 9172.15. Such design standards and guidelines may be generally applicable or may specify different requirements for different areas.**

The proposed facility, as proposed conforms to all applicable design standards applicable to this project with the exception of height and stealthing as discussed in this staff report. Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities, as such, the City is preempted from imposing its standards. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.



- g) If the proposed development complies with all applicable requirements and standards of this Chapter and other laws and regulations, and the approving authority finds that the criteria of subsection (D)(1) of this subsection are adequately met, or can be met if specified conditions are observed, the Development Plan shall be approved, subject to such specified conditions. If the approving authority finds that the proposal cannot meet and cannot be modified to meet the requirements of this Chapter and the above criteria, the Development Plan shall be disapproved. In all cases, findings shall be made concerning the grounds for approval or disapproval.**

The proposed facility complies with most the requirements of Chapter 1 of the municipal code; however, it is not considered a stealth facility and does not meet the height requirements. Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities, as such the City is preempted from imposing its standards. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

- h) Notice of the decision by the Commission or Director, as the case may be, shall be given as provided in CMC 9173.32.**

A notice of the Commission's decision will be mailed to the applicant.

CMC Section 9138.16H, Telecommunication Facilities

- a) The proposed site is the least intrusive after considering co-location with another facility, other networks available such as distributed antenna systems, and location at another site. If located in the public right-of-way or on City-owned or leased property, the facility must meet the requirements of the Engineering Division.**

While the proposed project is not the least intrusive as it is not a complete stealth facility; the proposed design is less intrusive than the existing antennas as it better blends in with the appearance and scale of the structures surrounding commercial and residential development. Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities and as such preempts the City from imposing its standards. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

- b) The proposed communications facility will be aesthetically compatible, located and designed to minimize the visual impact on surrounding properties and from public streets, including adequate screening through the use of landscaping that harmonize with the elements and characteristics of the property and/or stealth which incorporates the facility with the structure in which it will be mounted through use of material, color, and architectural design.**

The proposed facility has an improved design that will increase the aesthetic compatibility and will better minimize the visual impact on surrounding properties and public streets; however it is not screened by landscaping and is visible from I-

110 and Figueroa Street and therefore does not meet City standards. Section 6409(a) of the Tax Act provides that the City "may not deny and shall approve" proposed upgrades to wireless facilities and as such preempts the City from imposing its standards. As such, the conditions of approval reserve the City's right to bring this facility back for review in the event Section 6409(a) is repealed or amended.

- c) The proposed communications facility is not located on any residential dwelling or on any property which contains a residential dwelling, or any property wherein a person resides, except as may be associated with a church, temple, or place of religious worship.

The proposed project is not located within a residential zone or dwelling.

Section 4. The Planning Commission further finds that the proposed project will not have a significant effect on the environment. The proposed project will not alter the character of the surrounding area and will meet or exceed all City standards for protection of the environment. Therefore, the proposed project is found to be exempt under the general rule of the California Environmental Quality Act (CEQA), Section 15301, Existing Facilities.

Section 5. Based on the aforementioned findings, the Commission hereby approves Modification No. 1 to Design Overlay Review No. 637-96 and Modification No. 1 to Conditional Use Permit No. 444-96 to remove the existing antennas and replace them with new antennas and associated electronics on an existing legal non-conforming 52-foot-high monopole with respect to the properties described in Section 1 hereof, subject to the conditions set forth in Exhibit "B" attached hereto.

Section 6. The Secretary shall certify to the adoption of the Resolution and shall transmit copies of the same to the applicant.

Section 7. This action shall become final and effective fifteen days after the adoption of this Resolution.

PASSED, APPROVED AND ADOPTED THIS 13th DAY OF August, 2013

CHAIRMAN

ATTEST:

SECRETARY

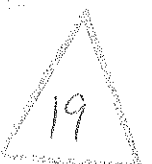


Exhibit "A"
Legal Description

That portion of Lot 57 of Tract 3612, in the City of Carson, County of Los Angeles, State of California, as per map recorded in Book 40 pages 5 and 6 of Maps, in the office of the County Recorder of said County.



CITY OF CARSON
ECONOMIC DEVELOPMENT
PLANNING DIVISION
EXHIBIT "B"
CONDITIONS OF APPROVAL
MODIFICATION NO. 1 DESIGN OVERLAY REVIEW 637-96
MODIFICATION NO. 1 TO CONDITIONAL USE PERMIT NO. 444-96

GENERAL CONDITIONS

1. If a building permit plan check submittal proposing the implementation of Modification No. 1 to Design Overlay Review No. 637-96 and Conditional Use Permit No. 444-96 is not submitted to the City of Carson within one year of its effective date, said permit shall be declared null and void unless an extension of time is previously approved by the Planning Commission.
2. The approved Resolution, including the Conditions of Approval contained herein, and signed Affidavit of Acceptance, shall be copied in their entirety and placed directly onto a separate plan sheet behind the cover sheet of the development plans prior to Building and Safety plan check submittal. Said copies shall be included in all development plan submittals, including any revisions and the final working drawings.
3. The applicant shall comply with all city, county, state and federal regulations applicable to this project.
4. The applicant shall make any necessary site plan and design revisions to the site plan and elevations as directed by the Planning Commission in compliance with all the Conditions of Approval and applicable Zoning Ordinance provisions. Substantial revisions will require review and approval by the Planning Commission.
5. The applicant and property owner shall sign an Affidavit of Acceptance form and submit the document to the Planning Division within 30 days of receipt of the Planning Commission Resolution.
6. It is further made a condition of this approval that if any condition is violated or if any law, statute or ordinance is violated, this permit may be revoked by the Planning Commission or City Council, as may be applicable; provided the applicant has been given written notice to cease such violation and has failed to do so for a period of thirty days.



7. The applicant shall submit two complete sets of plans that conform to all the Conditions of Approval to be reviewed and approved by the Planning Division prior to the issuance of a building permit.
8. The operator of the proposed facility, and/or the owner of the premises upon which it is located, shall promptly notify the Planning Division in writing in the event that the use of the facility is discontinued for any reason. In the event the facility is discontinued or abandoned for a period of more than 180 days, then the owner(s) and/or operator(s) shall promptly remove the facility, repair any damage to the premises caused by such removal, and restore the premises as appropriate so as to be in conformance with applicable zoning codes at the owner's and/or operator's expense. All such removal, repair and restoration shall be completed within 90 days after the use is discontinued or abandoned, and shall be performed in accordance with all applicable health and safety requirements.
9. Applicant shall defend, indemnify and hold harmless the City of Carson, its agents, officers, or employees from any claims, damages, action, or proceeding against the City or its agents, officers, or employees to attack, set aside, void or annul, and approval of the City, its advisory agencies, appeal boards, or legislative body concerning Modification No. 1 to Design Overlay Review No. 637-96 and Conditional Use Permit No. 444-96. The City will promptly notify the Applicant of any such claim, action, or proceeding against the City and the Applicant will either undertake defense of the matter and pay the City's associated legal costs or will advance funds to pay for defense of the matter by the City Attorney. The City will cooperate fully in the defense. Notwithstanding the foregoing, the City retains the right to settle or abandon the matter without the Applicant's consent but should it do so, the City shall waive the indemnification herein, except, the City's decision to settle or abandon a matter following an adverse judgment or failure to appeal, shall not cause a waiver of the indemnification rights herein.
10. Throughout the life of the project, the applicant shall be responsible to replant the two Eucalyptus trees, which are adjacent to the proposed project, with large specimen trees if they are damaged, diseased, or dead.

PLANNING

Prior to Issuance of Building Permits

11. All parking areas and driveways shall remain clear and maintained. No encroachment into parking areas and/or driveways shall be permitted.
12. The display of any sign or any other graphic on a wireless telecommunications facility or on its screening is prohibited, except for signs for health, safety, and welfare purposes, which is required to be posted in case of an emergency. Emergency signs shall be visibly posted at the facility and shall include contact information including the phone number of the utility provider.



13. All exterior lighting shall be provided in compliance with the standards as provided for in 9137.1 Exterior Lighting of the Zoning Ordinance.
14. All wireless telecommunication facilities shall be constructed and operated in such a manner as to meet the requirements of the Noise Ordinance.
15. Backup generators shall only be operated during power outages and for testing and maintenance purposes. No backup generator shall be utilized for longer than seventy-two (72) hours without prior approval of the Engineering Division or Planning Division.
16. Future modifications to the approved development plans, including the installation of additional panels and equipment cabinetry, shall be subject to Planning Division review and approval. If deemed to be a major modification, the Planning Commission shall be the approval authority.
17. The applicant shall file a new application for Modification No. 1 to DOR No. 637-96 and pay the applicable fees at the time of filing.
18. A faithful performance bond shall be submitted to ensure compliance with City codes and standards, and the removal of abandoned antennas or facilities.
19. The City reserves the right to rescind or modify the approvals should section 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012 be modified or repealed.

All damaged, diseased or dead landscaping shall be removed and replaced to the satisfaction of the Planning Division prior to the issuance of any building permits.

Prior to Issuance of Final

20. All Conditions of Approval shall be complied with.
21. The CDMA antennas and associated pipe mountes/brackets shown on Page A-2A shall be removed.

BUILDING AND SAFETY

22. Submit for plan check, obtain all building permits and have a final inspection conducted for proposed project.

FIRE DEPARTMENT - COUNTY OF LOS ANGELES

23. Prior to the issuance of building permits, the Los Angeles County Fire Department will ensure adequate water supply for fire protection is provided.

ENGINEERING SERVICES

24. Any city-owned improvement damaged during the construction of the proposed project shall be removed and reconstructed per City Standard Plan and to the satisfaction of the City Engineer prior to the issuance of a building permit.
25. Prior to the issuance of a Building Permit, Proof of Worker's Compensation and Liability Insurance must be on file with the Los Angeles County Building and Safety Department.

BUSINESS LICENSE DEPARTMENT - CITY OF CARSON

26. Per section 6310 of the Carson Municipal Code, all parties involved in the upgrade to the telecommunication facility, including but not limited to contractors and subcontractors, will need to obtain a City Business License.



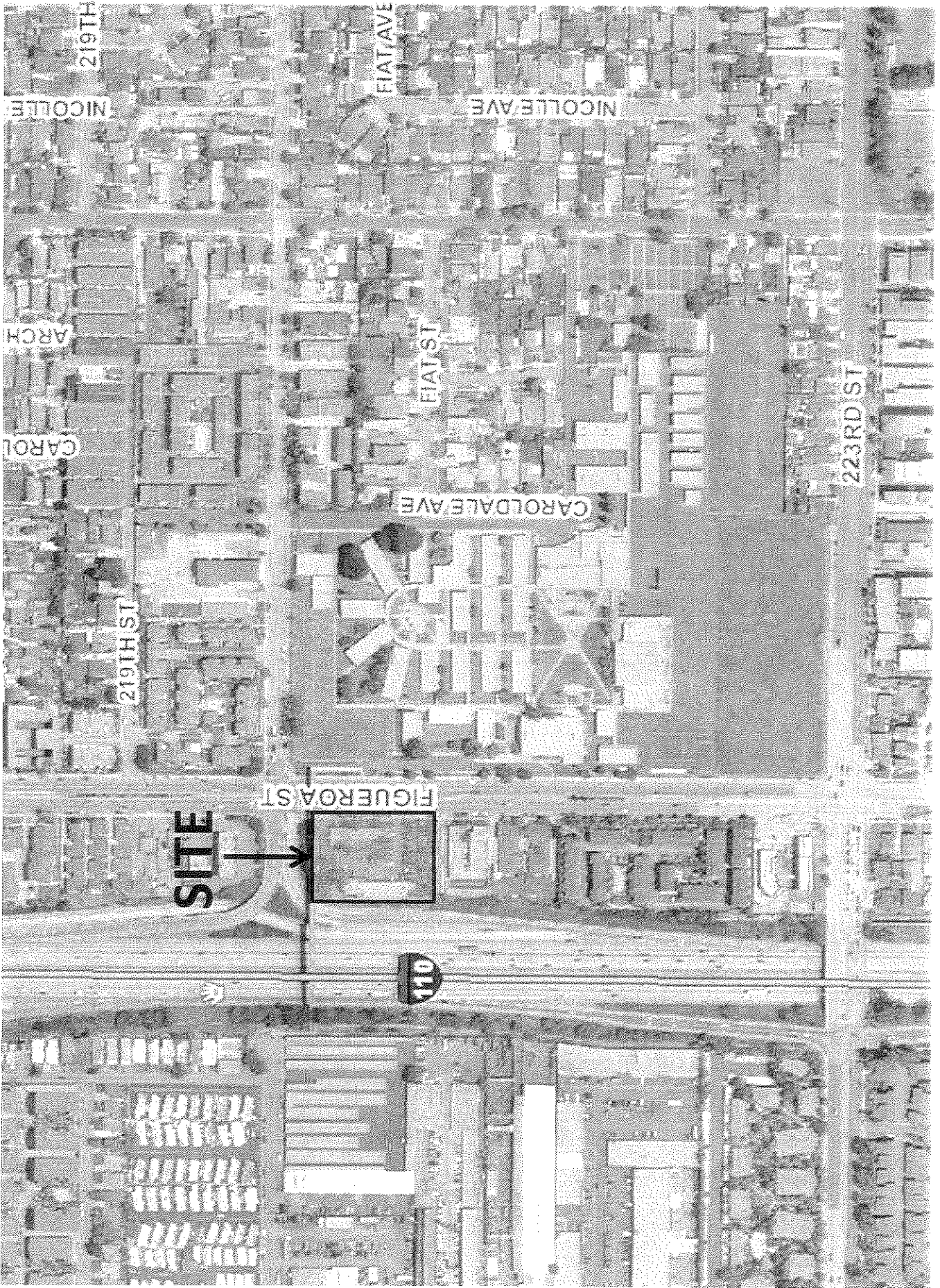


EXHIBIT NO. 02

25



PROJECT INFORMATION

NETWORK VISION MARKET LAUNCH
CARSON HIGH
 LA03XC335
 22017 FIGUEROA STREET
 CARSON, CA 90745
 LOS ANGELES COUNTY

PROJECT DATE:
08/06/13

ISSUED FOR:
 100% CONSTRUCTION

REV	DATE	DESCRIPTION	ISSUED TO
A	07/29/12	ISSUED FOR BIDDING REVIEW	LR
B	08/20/12	ISSUED FOR CONSTRUCTION	CRK
1	08/22/13	RENDER PER SAM COMMENTS	CRK
2	07/18/13	CM COMMENTS	LR
3	07/18/13	CM COMMENTS	FR
4	08/06/13	CM COMMENTS	FR

REVISIONS
 NOTE FOR CONSTRUCTION: SEE THE LATEST ISSUE FOR ANY CHANGES.
 ISSUED TO: **CONTRACTOR/REV**

TITLE SHEET
 SHEET NUMBER: **T-1**
 SHEET TOTAL: **4**

DESCRIPTION SHEET

LINE	DESCRIPTION
1-1	TIRE SHEET
1-2	GENERAL NOTES & SYMBOLS
2-1	SURFACE AND NOTES
A-1	SITE PLAN
A-2	PROPOSED FOUNDATION FOOTINGS & ANTI-TURN BARS
A-3	PROPOSED FOUNDATION FOOTINGS & ANTI-TURN BARS
A-4	DISTING & PROPOSED WASTE ELIMINATION
A-5	DISTING & PROPOSED WASTE ELIMINATION
A-6	DISTING & PROPOSED WASTE ELIMINATION
A-7	DISTING & PROPOSED WASTE ELIMINATION
A-8	DISTING & PROPOSED WASTE ELIMINATION
A-9	DISTING & PROPOSED WASTE ELIMINATION
A-10	DISTING & PROPOSED WASTE ELIMINATION
B-1	SCHEMATIC DEVELOPMENT P. 2/1
B-2	SCHEMATIC DEVELOPMENT P. 2/2

NOTE: DRAWING SCALE IS 1/4"=1'-0" ON ALL SHEETS

SHEET INDEX

ARCHITECT:
 THOMAS R. HOLLAND, INC.
 3125 AIRPORT ROAD, SUITE 100
 CARSON, CA 90745
 PH: (562) 533-1335
 FAX: (562) 533-1335
 EMAIL: THOMASR@THOMASR-HOLLAND.COM

SITE A.C.O. PROJECT MANAGER:
 ALICIA LUCENT
 1818 15TH STREET
 PH: (618) 979-3480

CONSTRUCTION MANAGER:
 CONSTRUCTION MANAGEMENT
 3200 DUNDON STREET, SUITE 100
 CARSON, CA 90745
 PH: (618) 978-5498

PLANNING CONSULTANT:
 PLANNING CONSULTANTS
 5555 DEWITT AVENUE, SUITE 112
 CARSON, CA 90745
 PH: (562) 533-1335
 FAX: (562) 533-1335
 EMAIL: C@PLANNINGCONSULTANTS.COM

LEASING:
 SPRINT COMMUNICATIONS
 2205 FIGUEROA STREET, SUITE 142
 CARSON, CA 90745
 PH: (562) 533-1335
 FAX: (562) 533-1335
 EMAIL: C@SPRINT.COM

ELECTRICAL ENGINEER:
 ROBERT J. JONES
 1818 15TH STREET
 PH: (618) 979-3480

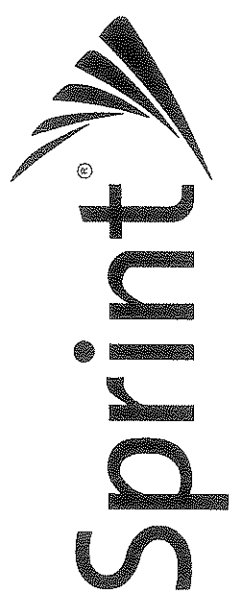
POWER CONSULTANT:
 SOUTHERN CALIFORNIA Edison
 PH: 1-800-542-5397

TRUCK CONSULTANT:
 TRUCK CONSULTANTS
 1818 15TH STREET, SUITE 100
 PH: (618) 979-3480

PROJECT TEAM

At all new services & trenching trenches, provide "DIG ALERT" tape at 12" below grade.
DIG ALERT
 CALL BEFORE YOU DIG!
 T-800-377-7263
 SLOTTED NOTIFICATION TAPES OF SOUTHERN CALIFORNIA

NETWORK VISION MMBTTS LAUNCH
CARSON HIGH
 LA03XC335
 MONOPOLE
 22017 FIGUEROA STREET
 CARSON, CA 90745
 LOS ANGELES COUNTY
 LATITUDE: 33° 49' 39.61" N (33.82766944)
 LONGITUDE: 118° 17' 11.91" W (-118.28664166)
 LA METRO MARKET



PROJECT DESCRIPTION

SPRINT PROPOSES TO ACQUIRE AN EXISTING DEDICATED TELECOMMUNICATIONS FACILITY:

- REMOVE (12) EXISTING SPRINT CDM PANEL ANTENNAS
- INSTALL (1) NEW SPRINT 72" TALL PANEL ANTENNA
- REMOVE (1) NEW POWER ACQUIRED BEHIND ANTENNA
- REMOVE (1) NEW FIBER OPTIC CABLES USING EXISTING DRAIN ROUTE
- REMOVE (1) EXISTING 6" RIGID CONDUIT
- REMOVE (1) EXISTING 1/2" RIGID CONDUIT
- INSTALL (1) NEW 1/2" RIGID CONDUIT
- EXISTING (1) SLOTTED NOTIFICATION TAPES EQUIPMENT COMPARTMENT

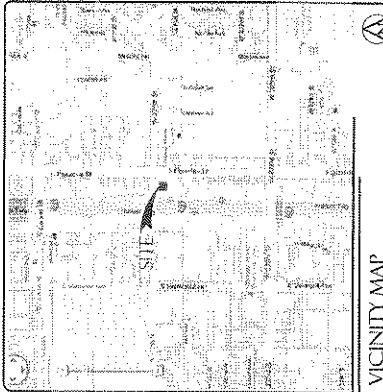
APPLICANT:
 SPRINT COMMUNICATIONS
 3100 CENTRAL
 IRVING, TX 75039

PROPERTY INFORMATION:
 OWNER: SPRINT COMMUNICATIONS LLC
 ADDRESS: 2000 CORPORATE CENTER, SUITE 1500, IRVING, TX 75039
 CONTACT: GARY J. JONES
 PH: (972) 419-4808
 ZONING: COMMERCIAL - COMMUNICATIONS (C-COMM)
 CONSTRUCTION TYPE: TELECOMMUNICATIONS FACILITY
 OCCUPANCY: COMMUNICATIONS FACILITY
 CURRENT USE: TELECOMMUNICATIONS FACILITY
 PROPOSED USE: TELECOMMUNICATIONS FACILITY

PARCEL NUMBERS:
 7241-001-083

LEASE AREA:
 4329 SF

PROJECT SUMMARY



DRIVING DIRECTIONS

FROM SVA DANGO INTERSECTION, APPROXIMATE CA HIGHWAY WEST ON CORNER COMMERCIAL TURN LEFT ONTO E. CARSON ST. MAKE LEFT TURN ONTO E. CARSON ST. MAKE RIGHT TURN ONTO S. CARSON ST. MAKE LEFT TURN ONTO S. CARSON ST. APPROXIMATE 1/4 MILE ON THE RIGHT CARSON, CA METRO, USA

MEASURE	DATE

CODE BLOCK

CALIFORNIA STATE CODE COMPLIANCE:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS REFERRED TO BY THE CONTRACT DOCUMENTS:
- 2010 CALIFORNIA BUILDING CODE (CBC), TITLE 24 & 25
- 2010 CALIFORNIA ELECTRICAL CODE (CEC)
- 2010 CALIFORNIA FIRE CODE (FC)
- 2010 CALIFORNIA LAND USE CODE (LUC)
- 2010 CALIFORNIA PLUMBING CODE (CPC)
- 2010 LOCAL ORDINANCE CODE (LOC)

ACCESSIBILITY REQUIREMENTS:
 PROJECT SHALL BE IN ACCORDANCE WITH THE 2010 CALIFORNIA BUILDING CODE.

APPROVAL	SIGNATURE	DATE
PROJECT MANAGER		
CONSTRUCTION MANAGER		
RF ENGINEER		
INSPECTOR		
PERMITTING OFFICER		
PROPERTY OWNER		
SPRINT PROJECT MANAGER		

SIGNATURE BLOCK

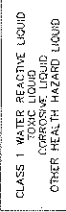


BATTERY INFORMATION /NOTES:

BATTERY-MFG: EAST PAK INDUSTRIES
 MODEL NO: 1248-10L
 ELECTROLYTE CONTAIN PER BATTERY: 2.17 GALLONS
 PER 20 BATTERY: 43.4 GALLONS MAX.
 TOTAL ELECTRICAL CAPACITY: 20 MAH.
 OR SITE (2.17 x 20 = 43.4).

FIRE DEPARTMENT NOTES:

- A. FIRE DEPARTMENT SHALL INSPECT BATTERY SYSTEMS WITH APPROVED FIRE-PROTECTIVE BATTERIES IS NOT REQUIRED FOR THE ALTERNATE ON-SITE.
- B. A FIRE DEPARTMENT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON-SITE.
- C. A HAZARDOUS MATERIALS IDENTIFICATION SIGN IS REQUIRED FOR ALL BATTERIES AND BATTERY STORAGE AREAS. LETTERS MUST BE AT LEAST 1" IN HEIGHT AND IN CONTRAST TO THE BACKGROUND OF THE SIGN. DO NOT USE THE FOLLOWING:

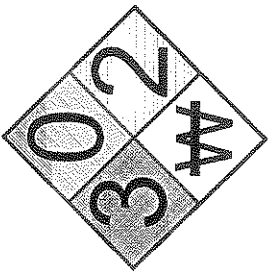


CLASS 1 WATER REACTIVE LIQUID
 TOXIC LIQUID
 CORROSIVE LIQUID
 OTHER HEALTH HAZARDOUS LIQUID

- D. AN APPROVED METHOD TO IDENTIFY TOXIC LIQUID REPRESENTATIVE SHALL BE PROVIDED IN THE BATTERY ROOM.
- E. BATTERIES SHALL BE PROVIDED WITH SURETY FOOTING DEFS.
- F. LOCATIONS AND CLASSIFICATION OF HAZARDOUS MATERIALS SHALL BE IN ACCORDANCE WITH THE 2010 CFC AND TYPICALLY BE SUBJECT TO VISUAL OF THE FIRE DEPARTMENT.
- G. STORAGE, DISPOSURE OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUID, FLAMMABLE AND COMBUSTIBLE SOLIDS, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH 2010 CFC REQUIREMENTS.
- H. ALL HAZARDOUS MATERIALS SHALL BE KEPT IN A PROPERLY IDENTIFIED AND LABELLED CONTAINER FROM ROADWAY TRAFFIC IS INTERFERED BY.
- I. ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY TRAFFIC IS INTERFERED BY.
- J. REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, PLAINLY VISIBLE TO THE SIGN BACKGROUND AND SHALL BE INSTALLED FROM EXEMPLES SHOWN HEREIN (SEE SIGNAGE).
- K. REQUIRED SIGNAGE SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, APPLICABLE THEM FROM EXEMPLES SHOWN HEREIN (SEE SIGNAGE).

STATIONARY STORAGE BATTERY SYSTEMS CODE COMPLIANCE:

- A. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- B. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- C. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- D. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- E. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- F. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- G. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- H. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- I. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- J. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- K. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- L. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- M. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- N. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- O. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- P. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- Q. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- R. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- S. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- T. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- U. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- V. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- W. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- X. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- Y. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.
- Z. STATIONARY STORAGE BATTERY SYSTEMS SHALL COMPLY WITH THE FOLLOWING: 2010 CFC & 2010 CBC.



IN CASE OF EMERGENCY
 CALL
NOC #1-866-400-6040
 SITE NUMBER: LA03XC335
 SITE NAME: CARSON HIGH

REQUIRED WPA SIGNAGE

BATTERY INFO & FIRE DEPT NOTES 5

EMERGENCY CONTACT SIGNAGE

HAZARDOUS MATERIAL SIGNAGE 2

WARNING
 THIS FACILITY CONTAINS CORROSIVE LIQUID TOXIC LIQUID CLASS 1 WATER REACTIVE LIQUID

NOTICE
 Beyond this point: Radio frequency fields beyond this point may exceed the FCC general public exposure limit. For your safety, do not access any equipment or systems in this area.

CAUTION
 Beyond this point: Radio frequency fields at this site may exceed the FCC rules for human exposure. For your safety, do not access any equipment or systems in this area.

NOT USED 3

WARNING
 THIS FACILITY CONTAINS CORROSIVE LIQUID TOXIC LIQUID CLASS 1 WATER REACTIVE LIQUID

DANGER
 HAZARDOUS MATERIAL STORAGE AREA

Sprint

Alcatel-Lucent

PTES
 PROJECT INFORMATION
 NETWORK DESIGN MANAGER
CARSON HIGH
 LA03XC335
 22017 FOQUIEROA STREET
 CARSON, CA 90245
 LOS ANGELES COUNTY

ISSUE DATE: 08/06/13

ISSUED FOR: 100% CONSTRUCTION

REV.	DATE	DESCRIPTION
1	08/06/13	ISSUED FOR CONSTRUCTION
2	08/06/13	REVISED PER SW COMMENTS
3	08/06/13	CH COMMENTS
4	08/06/13	CH COMMENTS

NOT FOR CONSTRUCTION OR USE UNLESS AS INDICATED ON SET

REVISION

SHEET NUMBER: G-2

4

28



PROJECT INFORMATION

NETWORK VENDOR: WARRIS LAUNCH
CARSON HIGH
LA03XC335
22017 FIGUEROA STREET
CARSON, CA 90745
LOS ANGELES COUNTY

ISSUE DATE: 08/06/13

ISSUED FOR: 100% CONSTRUCTION

REV.	DATE	DESCRIPTION	ISSUED BY
1	07/22/13	ISSUED FOR BIDDING	LB
2	08/26/13	ISSUED FOR CONSTRUCTION	CKK
3	07/16/13	REVISED PER S&M COMMENTS	CKK
4	07/16/13	ON COMMENTS	LB
5	08/06/13	ON COMMENTS	FR
6	08/06/13	ON COMMENTS	FR

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET.

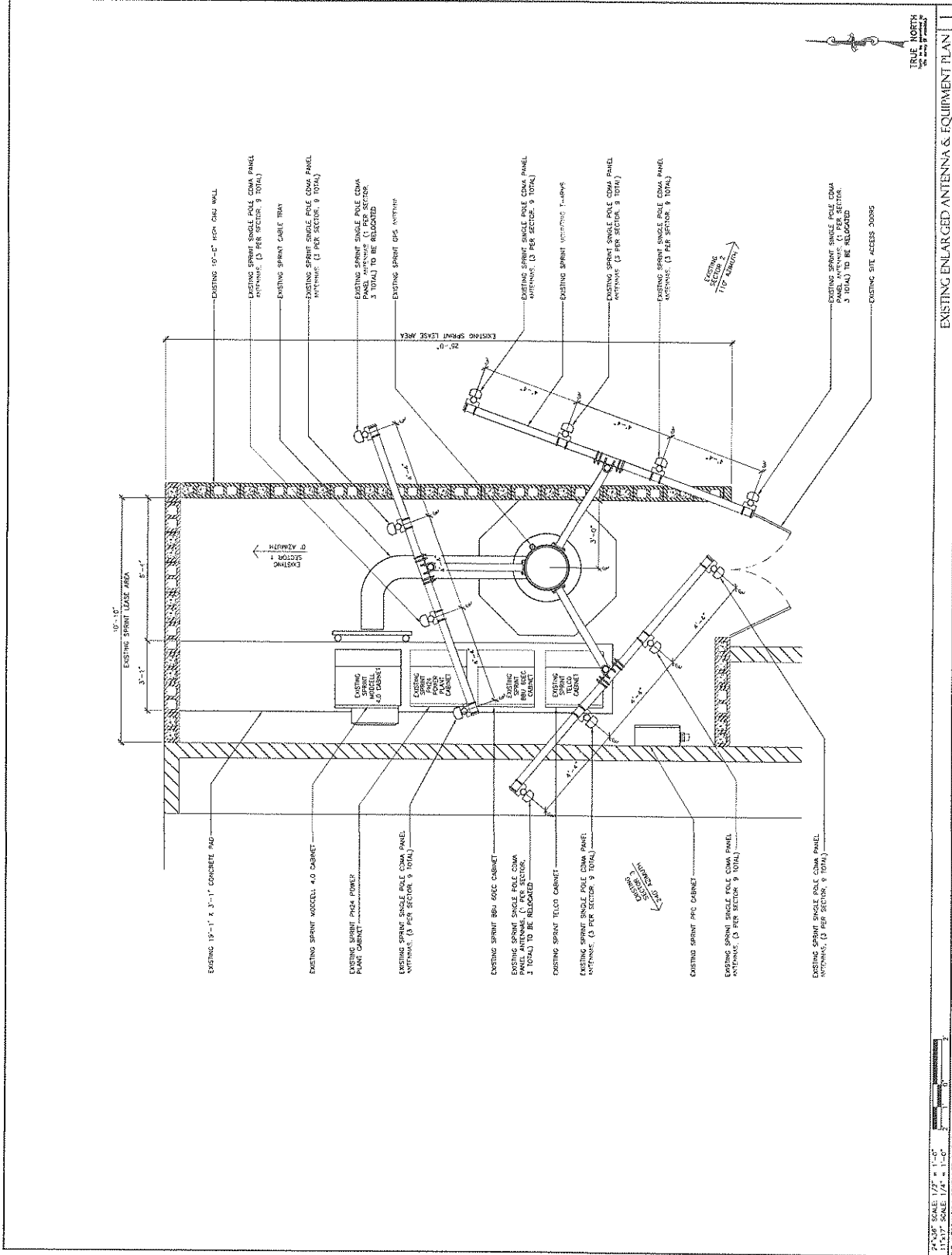
SCALE: AS SHOWN

SHEET TITLE: EXISTING ENLARGED ANTENNA & EQUIPMENT PLAN

EXISTING ENLARGED EQUIPMENT & ANTENNA PLAN

SHEET NUMBER: A-2

REVISION: 4



TRUE NORTH
AS SHOWN

EXISTING ENLARGED ANTENNA & EQUIPMENT PLAN

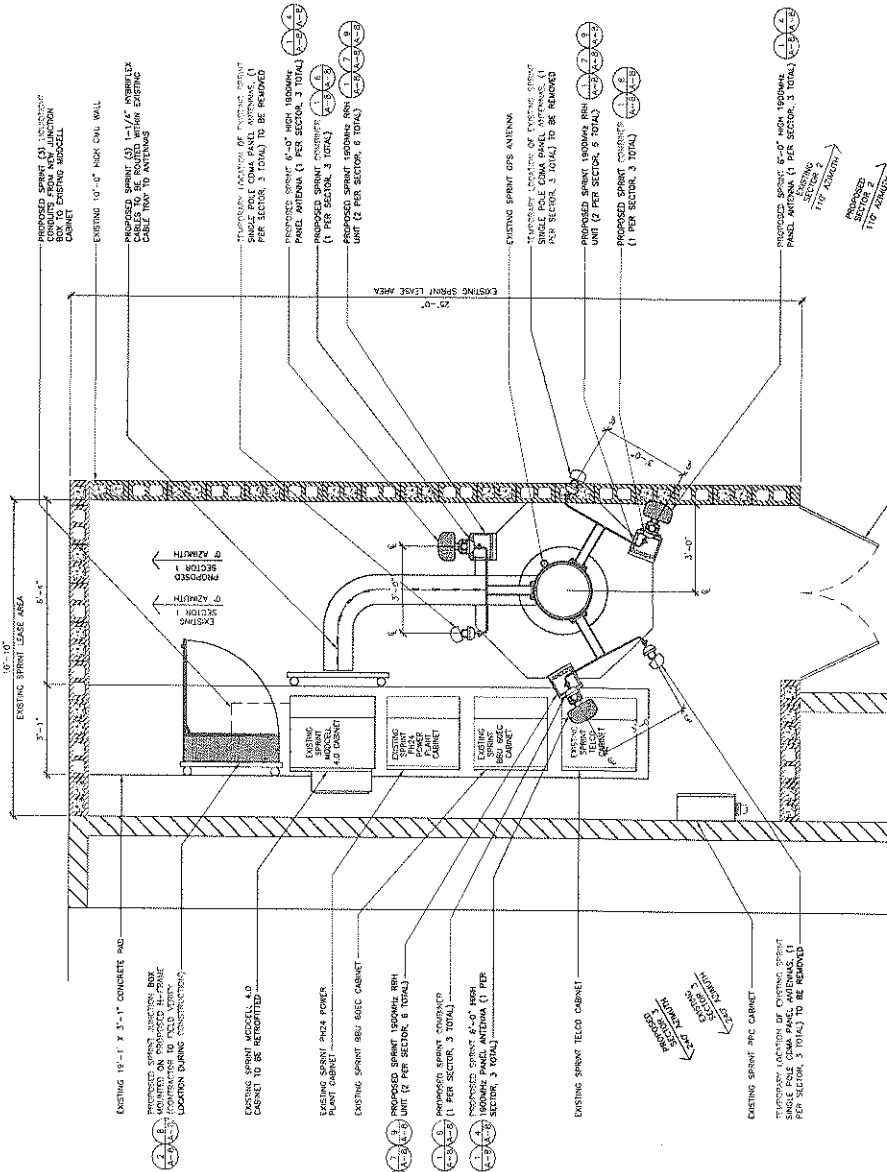
SCALE: 1/4\"/>

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS REPRESENTED BY SPRINT. ANY USE OR REPRODUCTION OF THIS INFORMATION WITHOUT SPRINT'S WRITTEN PERMISSION IS PROHIBITED.



NOTES TO CONTRACTOR:

- REMOVE ALL EXISTING SPRINT CHINA COOK AND ANTENNA FROM SITE.
- WALLS AND PARTIAL WALLS TO BE PAINTED TO MATCH EXISTING WALLS.
- ANTENNA CLEARANCE AND MOUNTING TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. ALL FIELD VERIFIED WORK TO CONSTRUCTION SHALL BE APPROVED BY THE ARCHITECT AND THE ENGINEER. ALL ANTENNA HANDMADE AND RE DESIGN ANTENNA PER MOUNT MONITORING MAY BE REQUIRED.
- ALL CLEARANCE ANTENNAS AND ANTI-CRACKER CABLES AND EQUIPMENT TO REMAIN MOUNTED TO EXISTING CONCRETE WALLS AND THE PROPOSED ATTACHMENT CAN BE MADE BY THE ARCHITECT AND THE ENGINEER.

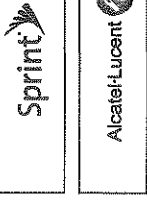


TRUE NORTH
 THE SOUTH POINT OF THE NORTH ARROW IS THE TRUE NORTH

REVISIONS

NO.	DATE	DESCRIPTION
1	08/20/12	ISSUED FOR 30% CD REVIEW
2	08/20/12	ISSUED FOR CONSTRUCTION
3	10/22/13	REVISED PER SMC COMMENTS
4	07/16/13	CM COMMENTS
5	10/18/13	CM COMMENTS
6	10/18/13	CM COMMENTS

NOT FOR CONSTRUCTION UNLESS LABELLED AS CONSTRUCTION SET



Alcatel-Lucent
 PROJECT INFORMATION
 NETWORK CONSULTANTS
CARSON HIGH
 LA03XC335
 22017 FIGUEROA STREET
 CARSON, CA 90245
 LOS ANGELES COUNTY

ISSUE DATE: 08/06/13
 ISSUED FOR: 100% CONSTRUCTION

SHEET TITLE: EQUIPMENT AND ANTENNA PLAN (during)

SHEET NUMBER: A-2A

REVISION: 4



PROJECT INFORMATION

NETWORK VENDOR: WANTS LAUNCH
CARSON HIGH
LA03XC335
22017 FAUCERIA STREET
CARSON, CA 90745
LOS ANGELES COUNTY

ISSUE DATE: 08/06/13

ISSUED TO: 100% CONSTRUCTION

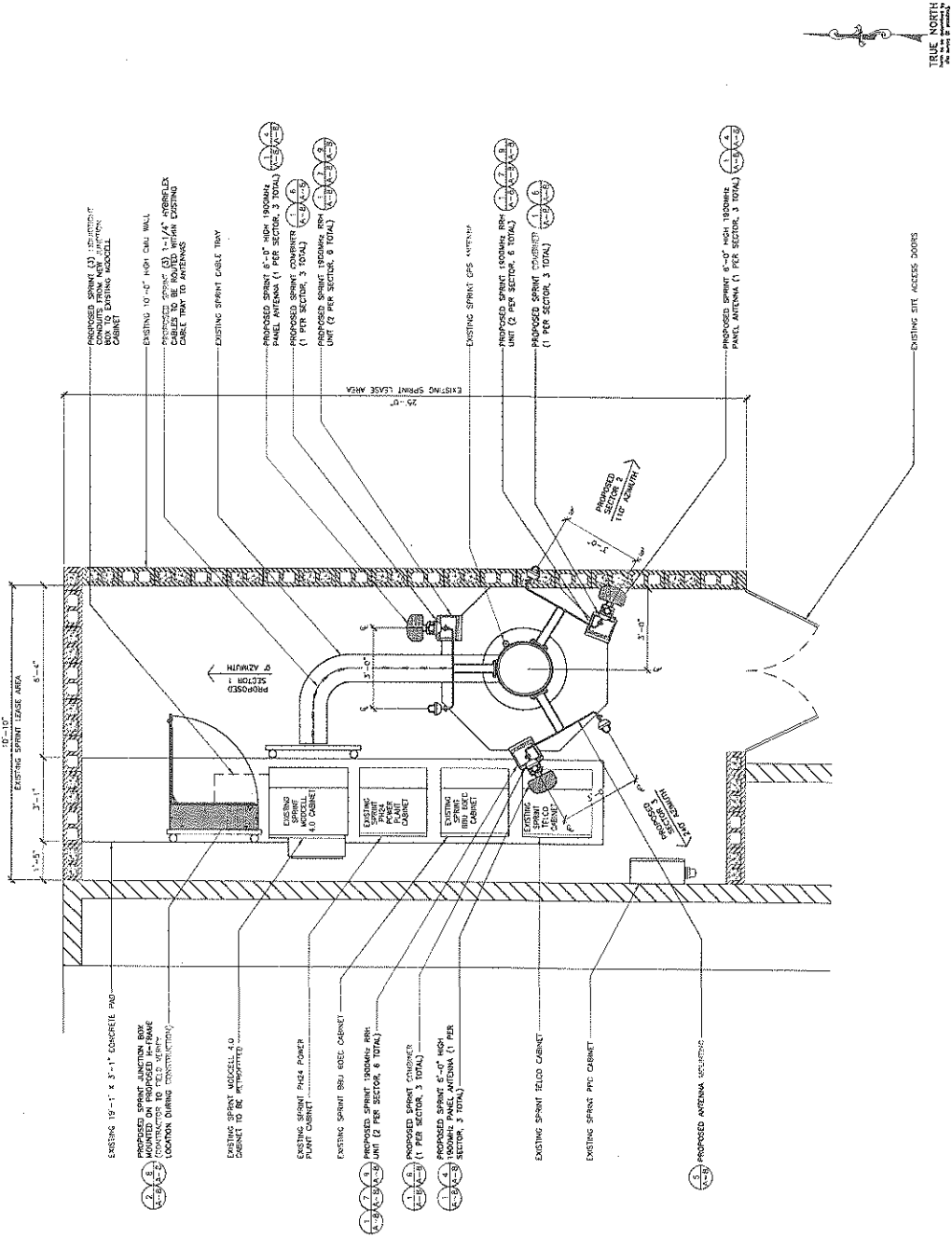
REV	DATE	DESCRIPTION
1	08/06/13	ISSUED FOR CONSTRUCTION
2	07/16/13	REVISED FOR ELEC. CONFORMANCE
3	07/16/13	ON COMMENTS
4	08/06/13	ON COMMENTS

LICENSE: ANT FOR CONSTRUCTION PURPOSES
LABELED AS CONSTRUCTION SET

SHEET TITLE:
PROPOSED ENLARGED EQUIPMENT AND NETWORK PLAN
SHEET NUMBER: A-3
REVISION: 4

CONTRACTOR TO SEE FINAL BIDS SHEET FOR BUREL

SECTOR	AZIMUTH	RADIATOR	NUMBER OF ANTENNAS	MODEL	HEIGHT	REIT	REIT	REIT	REIT	COMPARISON	FIBER OPTIC LOCATION
SECTOR 1	0°	48"-0"	1	PTC	30'-0"	(1)	(1)	(1)	(1)	(1)	11/11/11-0901-1107
SECTOR 2	112°	48"-0"	1	PTC	30'-0"	(1)	(1)	(1)	(1)	(1)	11/11/11-0901-1107
SECTOR 3	240°	48"-0"	1	PTC	30'-0"	(1)	(1)	(1)	(1)	(1)	11/11/11-0901-1107



INSTALLATION NOTES:

1. ALL ANTENNA AND MOUNTING TO BE PAINTED TO MATCH EXISTING CONDITIONS.
2. ALL ANTENNA CLEARANCE AND MOUNTING TO BE AS PER ANTENNA MANUFACTURER'S REQUIREMENTS AND BY DESIGN. ANTENNA PIPE MOUNT PROTECTION TO BE PROVIDED.
3. VERIFICATION THAT THE ROLLS AND SWAGING ATTACHED CAN BE DONE BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE APPROVED BY A REGISTERED STRUCTURAL ENGINEER.

TRUE NORTH
PROPOSED ANTENNA & EQUIPMENT PLAN
SHEET NUMBER: A-3
REVISION: 4





PROJECT INFORMATION

NETWORK VENDOR PARTS LIST
CARSON HIGH
LA03XC335
22017 FRIEFROA STREET
CARSON, CA 90745
LOS ANGELES COUNTY

ISSUE DATE: 08/06/13

ISSUED FOR: 100% CONSTRUCTION

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
0	07/09/12	ISSUED FOR BIDDING	LB
1	08/05/13	ISSUED FOR CONSTRUCTION	CBK
2	07/19/13	REVISED PER SAN CONGRESS	LB
3	07/19/13	ON COMMENTS	FR
4	08/06/13	ON COMMENTS	FR

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

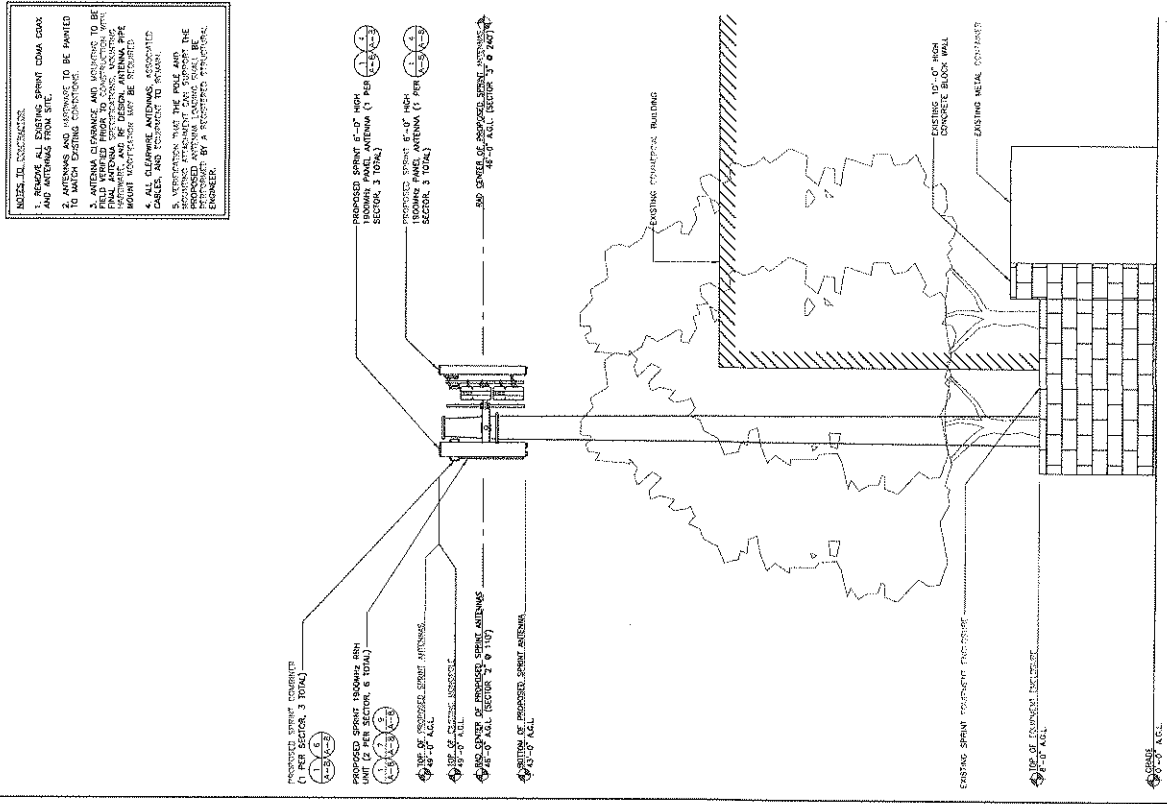
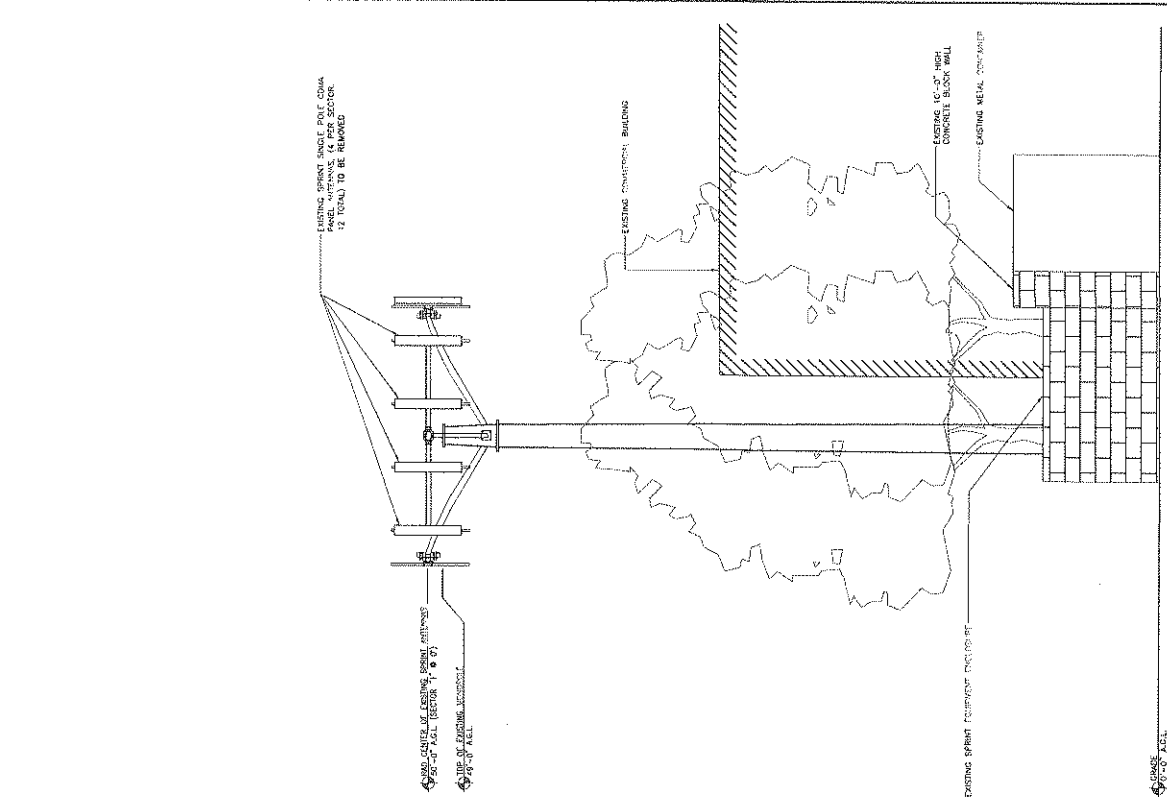
LICENSE: _____

SHEET TITLE:

EXISTING & PROPOSED NORTH ELEVATIONS

SHEET NUMBER: A-4

REVISION: 4



- NOTES FOR CONSTRUCTION:
1. REMOVE EXISTING SPRINT COAX COCK AND ANTENNAS FROM THE TOWER TO MATCH EXISTING CONDITIONS.
 2. ANTENNAS AND MASTING TO BE INSTALLED TO MATCH EXISTING CONDITIONS.
 3. ANTENNA CLEARANCE AND MASTING TO BE INSTALLED TO MATCH EXISTING CONDITIONS. ANTENNA MOUNTING SHALL BE INSTALLED TO MATCH EXISTING CONDITIONS. ALL CLEARANCE ANTENNAS, CABLES AND EQUIPMENT TO BE INSTALLED TO MATCH EXISTING CONDITIONS.
 4. ALL CLEARANCE ANTENNAS, CABLES AND EQUIPMENT TO BE INSTALLED TO MATCH EXISTING CONDITIONS.
 5. VERIFICATION THAT THE POLE AND MASTING MEET ALL REQUIREMENTS OF THE PROPOSED ANTENNA SHALL BE PROVIDED BY A REGISTERED STRUCTURAL ENGINEER.

EXISTING NOR TH ELEVATION

PROPOSED NOR TH ELEVATION

SCALE: 1/4" = 1'-0" (TOWER) 1/8" = 1'-0" (BUILDING)





PROJECT MATRONS

NETWORK VISION MATRONS LAUNCH
CARSON HIGH
LA03XC335
22017 FIGUEROA STREET
CARSON, CA 90745
LOS ANGELES COUNTY

ISSUE DATE: 08/06/13

ISSUED FOR: 100% CONSTRUCTION

NO.	DATE	DESCRIPTION
1	07/26/13	ISSUED FOR SDC CD REVIEW
2	07/27/13	ISSUED FOR CONSTRUCTION
3	08/22/13	REVISED PER SDC COMMENTS
4	07/18/13	ON COMMENTS
5	07/16/13	ON COMMENTS
6	08/06/13	ON COMMENTS

NOTE FOR CONSTRUCTION OFFICES:
Labeled as Construction Set

LICENSEE:

SHEET TITLE:

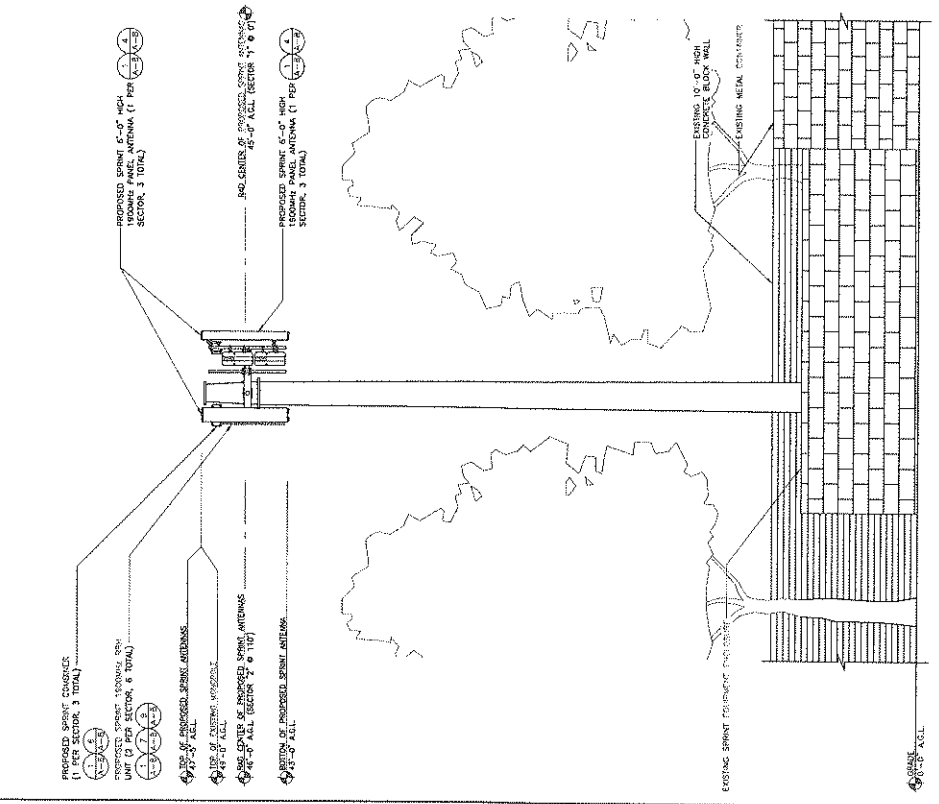
EXISTING & PROPOSED EAST ELEVATIONS

SHEET NUMBER: A-5

4

REVISIONS:

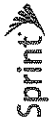
1. ANTENNAS AND SUPPORTS TO BE PAINTED TO MATCH EXISTING CONDITIONS
2. ANTENNA CLEARANCE AND HEIGHTS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH UNIVERSITY AND PER DESIGN ANTENNA PIPE HEIGHT INFORMATION TO BE PROVIDED.
3. VERIFICATION THAT THE TOWER AND CHANNELS ATTACHED CAN SUPPORT THE PROPOSED ANTENNAS AND SUPPORTS AS INDICATED BY A REGISTERED STRUCTURAL ENGINEER.



PROPOSED SPRINT CHANNELS (1 PER SECTOR, 3 TOTAL)
 PROPOSED SPRINT TOWER UNIT (1 PER SECTOR, 6 TOTAL)
 TOP OF PROPOSED SPRINT ANTENNAS (45'-0" AGL)
 TOP OF EXISTING ANTENNAS (48'-0" AGL)
 45'-0" AGL (1 PER SECTOR, 3 TOTAL)
 48'-0" AGL (1 PER SECTOR, 6 TOTAL)
 45'-0" AGL (1 PER SECTOR, 3 TOTAL)
 48'-0" AGL (1 PER SECTOR, 6 TOTAL)
 45'-0" AGL (1 PER SECTOR, 3 TOTAL)
 48'-0" AGL (1 PER SECTOR, 6 TOTAL)

EXISTING SPRINT CHANNELS (1 PER SECTOR, 3 TOTAL)
 EXISTING SPRINT TOWER UNIT (1 PER SECTOR, 6 TOTAL)
 TOP OF EXISTING ANTENNAS (48'-0" AGL)
 48'-0" AGL (1 PER SECTOR, 6 TOTAL)
 45'-0" AGL (1 PER SECTOR, 3 TOTAL)
 48'-0" AGL (1 PER SECTOR, 6 TOTAL)
 45'-0" AGL (1 PER SECTOR, 3 TOTAL)
 48'-0" AGL (1 PER SECTOR, 6 TOTAL)





PROJECT INFORMATION

NETWORK: URBAN WAREHOUSE
CARSON HIGH
LA03XC335
22017 FLOJERDA STREET
CARSON, CA 90745
LOS ANGELES COUNTY

ISSUE DATE: 08/06/13

ISSUED FOR: 100% CONSTRUCTION

REV	DATE	DESCRIPTION
0	08/20/12	ISSUED FOR SITE CD REVIEW
1	09/27/12	REVISED PER SAN COMPOSITE
2	07/16/13	CM COMMENTS
3	07/16/13	CM COMMENTS
4	08/06/13	CM COMMENTS

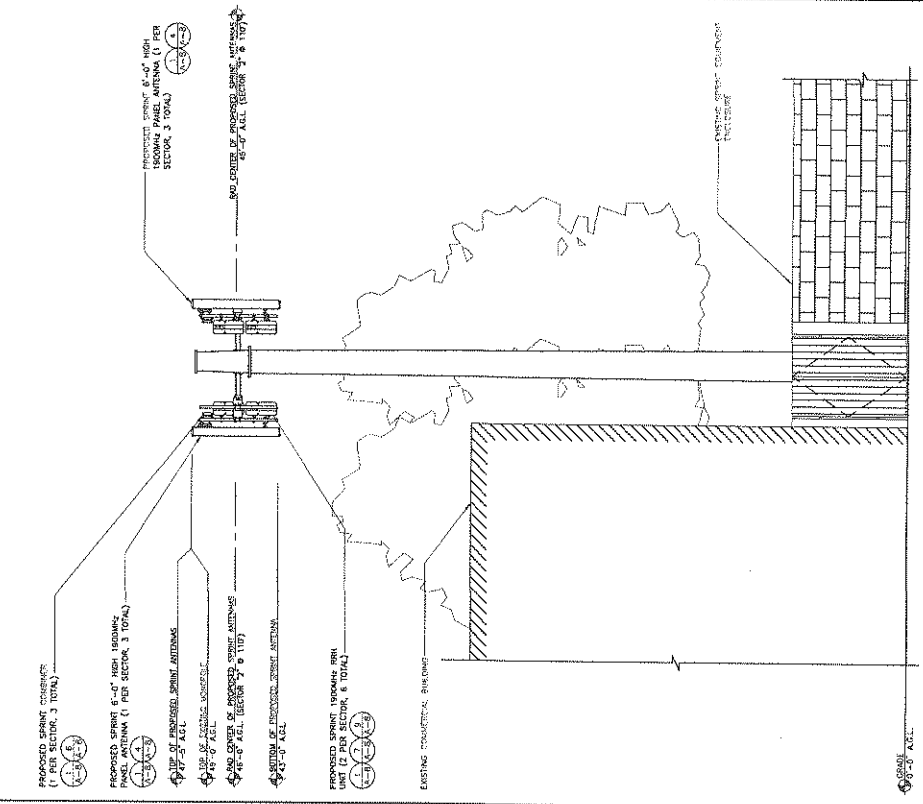
NOT FOR CONSTRUCTION. LOCATIONS LABELLED AS CONSTRUCTION SET.

SHEET NUMBER: A-6

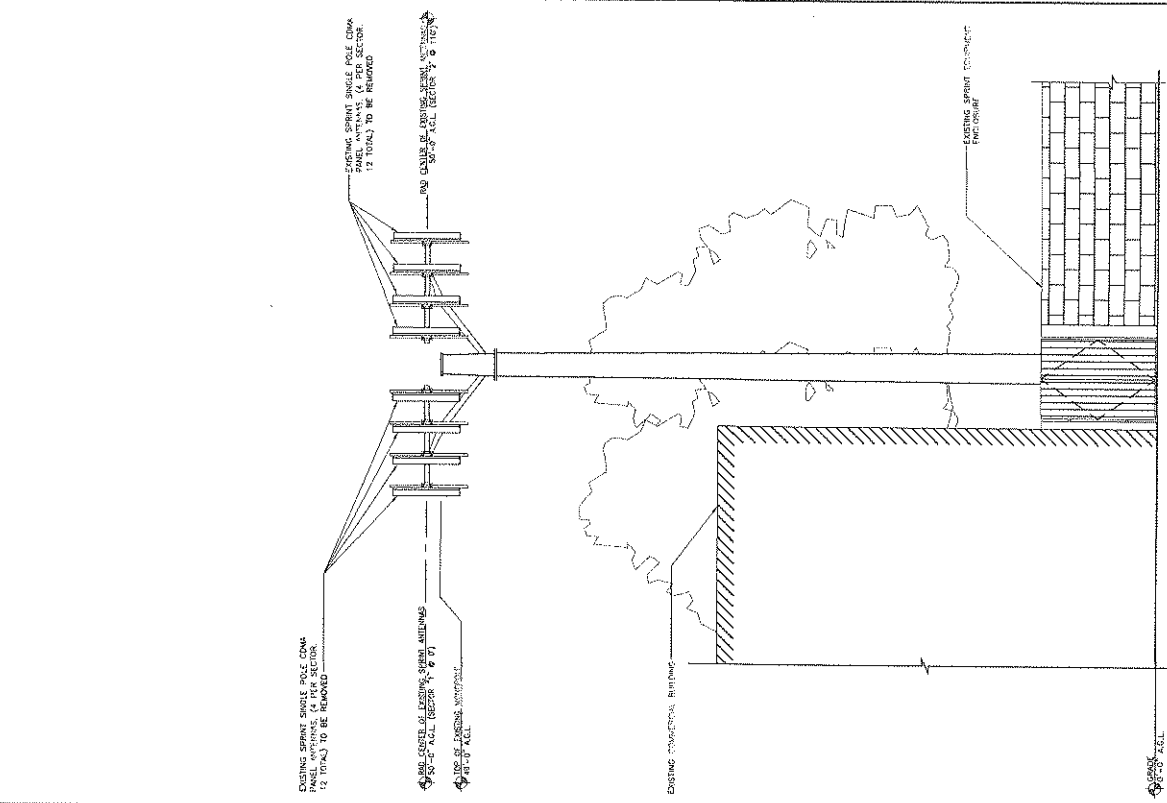
REVISION: 4

INSTALL CONDITIONS:

1. ALL ANTENNAS AND ATTACHMENTS TO BE INSTALLED IN ACCORDANCE WITH THE SPRINT CDX AND ANTENNA FORM SET.
2. ANTENNAS AND ATTACHMENTS TO BE PAINTED TO MATCH EXISTING CONDITIONS.
3. ANTENNA CLEARANCE AND MOUNTING TO BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT.
4. ALL CABLES AND ATTACHMENTS TO BE INSTALLED IN ACCORDANCE WITH THE SPRINT CDX AND ANTENNA FORM SET.
5. VERIFICATION THAT THE POLE AND ATTACHMENTS CAN SUPPORT THE ANTENNAS AND ATTACHMENTS TO BE INSTALLED MUST BE PROVIDED BY A REGISTERED STRUCTURAL ENGINEER.

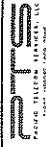
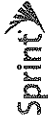


PROPOSED SOUTH ELEVATION 2
 3/4\"/>



EXISTING SOUTH ELEVATION 1
 3/4\"/>

35



PROJECT INFORMATION

NETWORK URSIN VAINES LAINCH
CARSON HIGH
LA03XC335
22017 FOUQUERON STREET
CARSON, CA 90745
LOS ANGELES COUNTY

ISSUE DATE

08/06/13

ISSUED FOR:

100% CONSTRUCTION

REV	DATE	DESCRIPTION
4	08/06/13	ISSUED FOR CD REVIEW
3	08/06/13	ISSUED FOR CONSTRUCTION
2	07/18/13	REVISED PER SAN COMMENTS
1	07/18/13	CD COMMENTS
0	08/06/13	CD COMMENTS

NOT FOR CONSTRUCTION PURPOSES
EXCEPT AS SHOWN ON THIS SET

LICENSE

SHEET TITLE:

EXISTING & PROPOSED WEST ELEVATIONS

SHEET NUMBER

A-7

REVISION

4

- NOTES TO CONSTRUCTION:**
- REMOVE ALL EXISTING SPRINT COMM COAX AND ANTENNAS FROM SITE.
 - ANTENNAS AND HARDWARE TO BE PAINTED TO MATCH EXISTING CONDITIONS.
 - ANTENNA COUNTERS AND HARDWARE TO BE PAINTED TO MATCH EXISTING CONDITIONS. VERIFY FINAL ANTENNA IDENTIFICATION, INCLUDING MARKING, BEFORE INSTALLATION. MARKING SHALL BE IDENTICAL TO EXISTING CONDITIONS.
 - ALL CLEARING, ANTENNAS, ASSOCIATED CABLES, AND EQUIPMENT TO REMAIN.
 - VERIFICATION THAT THE POLE AND HARDWARE ANTENNAS SHALL BE SUPPORTED BY A REGISTERED STRUCTURAL ENGINEER.

PROPOSED SPRINT COMMUNIT
(1 PER SECTOR, 3 TOTAL)

PROPOSED SPRINT ANTENNA
UNIT (1 PER SECTOR, 3 TOTAL)

PROPOSED SPRINT ANTENNA (1
PER SECTOR, 3 TOTAL)

TOP OF PROPOSED SPRINT ANTENNA
48'-0" AGL (SECTOR 1 & 2)

TOP OF EXISTING TOWER
48'-0" AGL

600 CMILES OF PROPOSED SPRINT ANTENNA
48'-0" AGL (SECTOR 3 & 4)

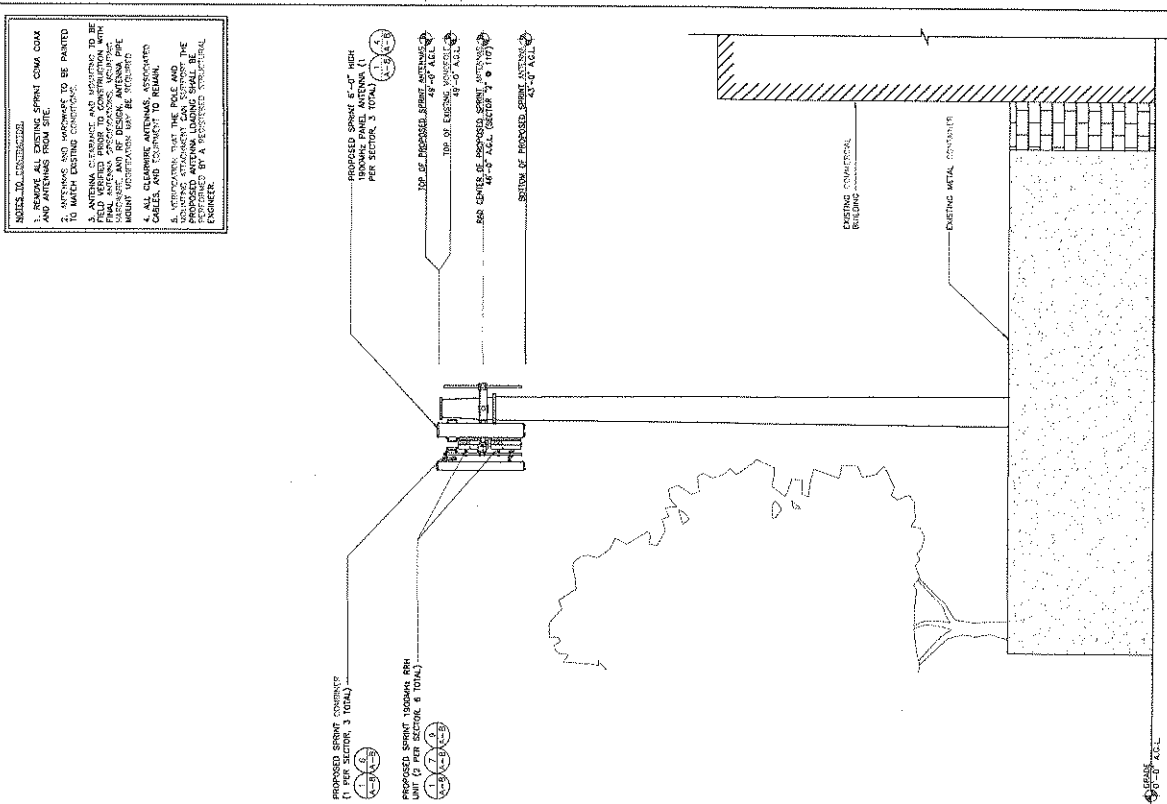
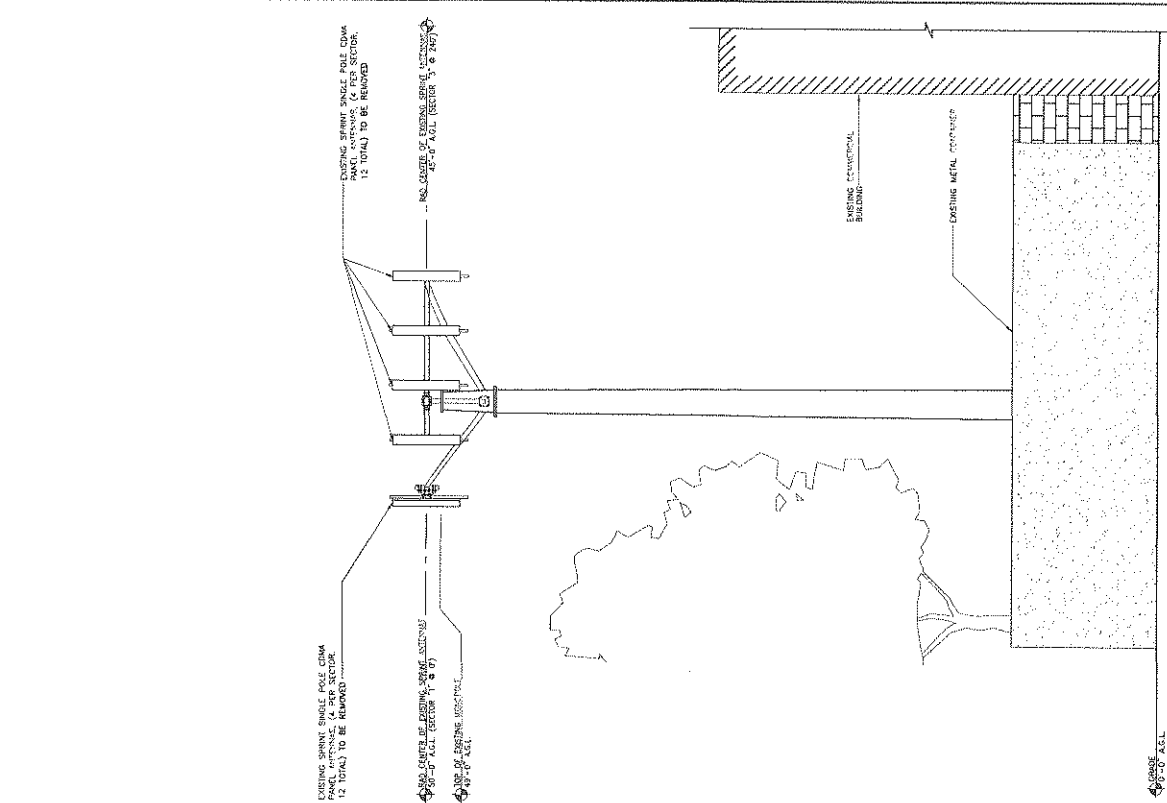
SECTION OF PROPOSED SPRINT ANTENNA
48'-0" AGL

EXISTING SPRINT SINGLE POLE COMM
PANEL ANTENNA (4 PER SECTOR,
12 TOTAL) TO BE REMOVED

REMOVE EXISTING SPRINT ANTENNA
(4 PER SECTOR, 12 TOTAL) TO BE REMOVED

NO. COPIES OF EXISTING SPRINT ANTENNA
48'-0" AGL (SECTOR 1 & 2)

NO. COPIES OF EXISTING SPRINT ANTENNA
48'-0" AGL (SECTOR 3 & 4)



24" X 36" SCALE: 1/4" = 1'-0"
12" X 24" SCALE: 1/8" = 1'-0"
18" X 36" SCALE: 1/8" = 1'-0"
EXISTING WEST ELEVATION 1

24" X 36" SCALE: 1/4" = 1'-0"
12" X 24" SCALE: 1/8" = 1'-0"
18" X 36" SCALE: 1/8" = 1'-0"
PROPOSED WEST ELEVATION 2

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PROJECT INFORMATION

NETWORK VENDOR: (A) INCH
CARSON HIGH
LA03XC335
22017 FIGUEROA STREET
CARSON, CA 90745
LOS ANGELES COUNTY

SHEET DATE: 08/06/13

SHEET NO.: 100% CONSTRUCTION

ISSUED FOR: 100% CONSTRUCTION

REV	DATE	DESCRIPTION
0	08/07/12	ISSUED FOR SUP CD REVIEW
1	08/12/13	ISSUED FOR CONSTRUCTION
2	07/16/13	REVISED PER SAH COMMENTS
3	07/16/13	ON CHANGES
4	08/06/13	ON COMMENTS

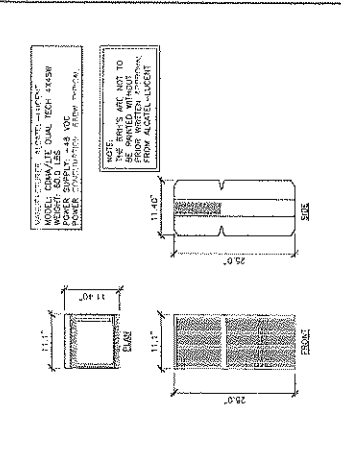
NOT FOR CONSTRUCTION USE
USED AS CONSTRUCTION SET

MEASURE

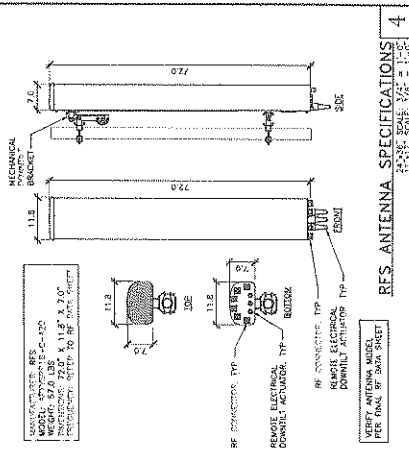
SHEET TITLE:
EQUIPMENT AND CONSTRUCTION DETAILS

SHEET NUMBER:
A-8

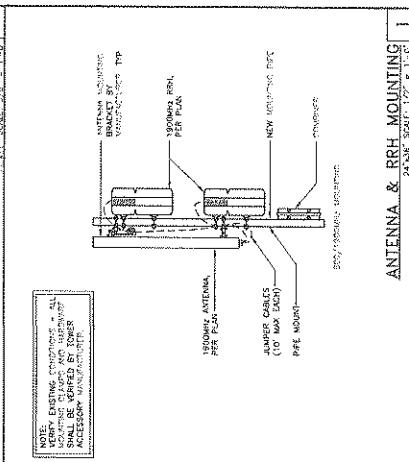
REVISION:
4



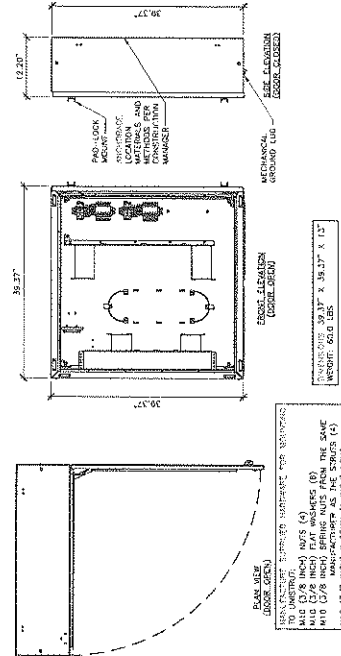
1900MHZ_RRH_SPECIFICATION
1:1 SCALE



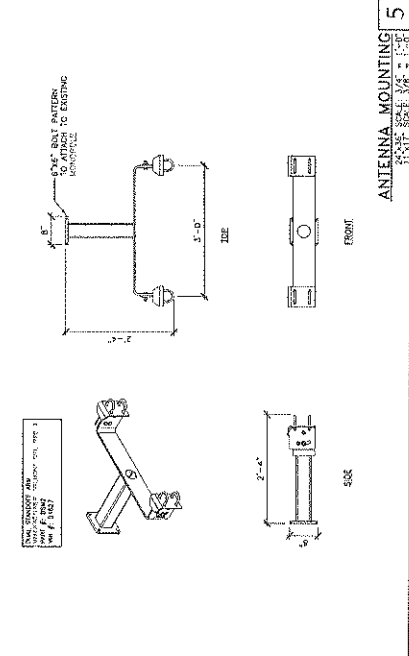
RRH ANTENNA SPECIFICATIONS
1:1 SCALE



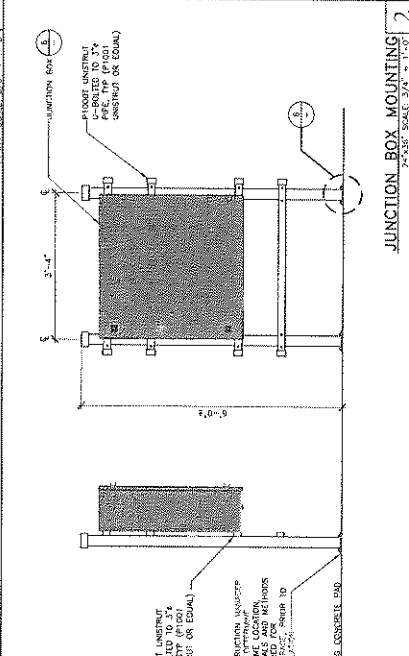
ANTENNA & RRH MOUNTING
1:1 SCALE



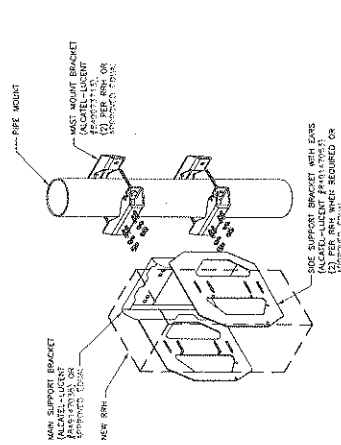
JUNCTION BOX
1:1 SCALE



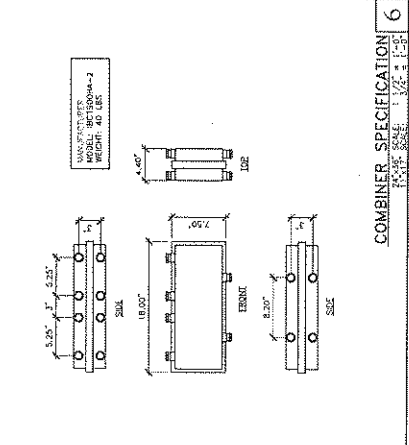
ANTENNA MOUNTING
1:1 SCALE



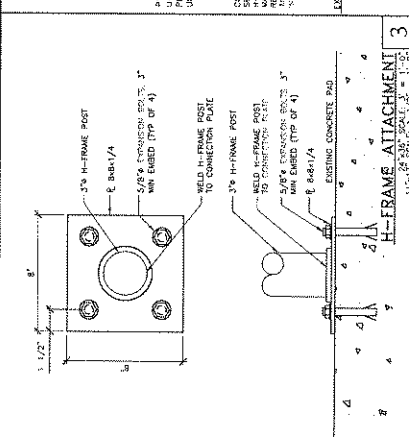
JUNCTION BOX MOUNTING
1:1 SCALE



RRH MOUNTING
1:1 SCALE



COMBINER SPECIFICATION
1:1 SCALE



H-FRAME ATTACHMENT
1:1 SCALE

FOR USE ON STRUCTURE WITH 1/2" MIN. WALL THICKNESS TO ALLOW WELDING TO CONCRETE. SEE 05-11111 FOR CONCRETE REINFORCEMENT & EMBEDMENT REQUIREMENTS.





PROJECT INFORMATION:
 NETWORK VENDOR: SURETEC AIRSINCH
CARSON HIGH
 LA03XC335
 22017 ENCLERON STREET
 CARSON, CA 90745
 LOS ANGELES COUNTY

ISSUE DATE: 08/06/13
 ISSUED FOR: 100% CONSTRUCTION

REV.	DATE	DESCRIPTION
0	07/29/13	ISSUED FOR SET CD REVIEW
1	07/29/13	ISSUED FOR CONSTRUCTION
2	07/29/13	REVISED PER SURETTE COMMENTS
3	07/29/13	CD COMMENTS
4	08/06/13	CD COMMENTS

NOT FOR CONSTRUCTION UNLESS LABELLED AS CONSTRUCTION SET

LACUSURE

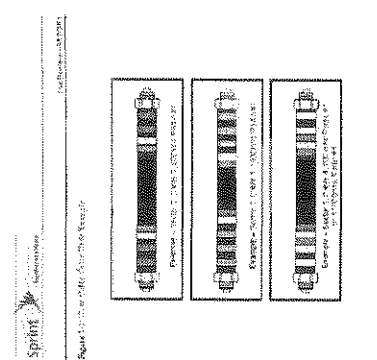
SHEET TITLE:
 CABLE COLOR CODING REQUIREMENTS

SHEET NUMBER:
A-9
 REVISION:
 4

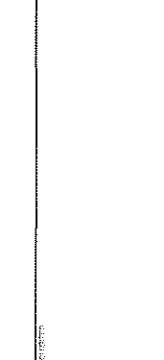
Appendix A - General Cable Reference

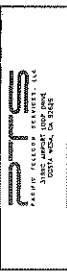
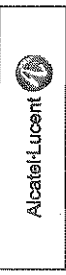
Color	Pair	Twist	Construction	Typical Size
Blue	1	1/2" Dia	1/2" Dia	1/2" Dia
Orange	2	1/2" Dia	1/2" Dia	1/2" Dia
Green	3	1/2" Dia	1/2" Dia	1/2" Dia
Red	4	1/2" Dia	1/2" Dia	1/2" Dia
Black	5	1/2" Dia	1/2" Dia	1/2" Dia
White	6	1/2" Dia	1/2" Dia	1/2" Dia
Yellow	7	1/2" Dia	1/2" Dia	1/2" Dia
Purple	8	1/2" Dia	1/2" Dia	1/2" Dia
Brown	9	1/2" Dia	1/2" Dia	1/2" Dia
Pink	10	1/2" Dia	1/2" Dia	1/2" Dia
Grey	11	1/2" Dia	1/2" Dia	1/2" Dia
Light Blue	12	1/2" Dia	1/2" Dia	1/2" Dia
Light Green	13	1/2" Dia	1/2" Dia	1/2" Dia
Light Orange	14	1/2" Dia	1/2" Dia	1/2" Dia
Light Red	15	1/2" Dia	1/2" Dia	1/2" Dia
Light Black	16	1/2" Dia	1/2" Dia	1/2" Dia
Light White	17	1/2" Dia	1/2" Dia	1/2" Dia
Light Yellow	18	1/2" Dia	1/2" Dia	1/2" Dia
Light Purple	19	1/2" Dia	1/2" Dia	1/2" Dia
Light Brown	20	1/2" Dia	1/2" Dia	1/2" Dia
Light Pink	21	1/2" Dia	1/2" Dia	1/2" Dia
Light Grey	22	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Blue	23	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Green	24	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Orange	25	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Red	26	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Black	27	1/2" Dia	1/2" Dia	1/2" Dia
Light Light White	28	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Yellow	29	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Purple	30	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Brown	31	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Pink	32	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Grey	33	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Blue	34	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Green	35	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Orange	36	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Red	37	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Black	38	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light White	39	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Yellow	40	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Purple	41	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Brown	42	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Pink	43	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Grey	44	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Blue	45	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Green	46	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Orange	47	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Red	48	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Black	49	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light White	50	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Yellow	51	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Purple	52	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Brown	53	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Pink	54	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Grey	55	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Blue	56	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Green	57	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Orange	58	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Red	59	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Black	60	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light White	61	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Yellow	62	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Purple	63	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Brown	64	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Pink	65	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Grey	66	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Blue	67	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Green	68	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Orange	69	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Red	70	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Black	71	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light White	72	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Yellow	73	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Purple	74	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Brown	75	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Pink	76	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Grey	77	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Blue	78	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Green	79	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Orange	80	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Red	81	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Black	82	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light White	83	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Yellow	84	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Purple	85	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Brown	86	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Pink	87	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Grey	88	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Blue	89	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Green	90	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Orange	91	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Red	92	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Black	93	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light White	94	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Yellow	95	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Purple	96	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Brown	97	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Pink	98	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Grey	99	1/2" Dia	1/2" Dia	1/2" Dia
Light Light Light Light Light Light Light Light Light Blue	100	1/2" Dia	1/2" Dia	1/2" Dia

Appendix B - Cable Color Coding



Appendix C - Cable Color Coding





PROJECT INFORMATION
 NETWORK VENDOR: WARTSILA FINCH
CARSON HIGH
 LA03XC335
 22917 FOLGERDA STREET
 CARSON, CA 90745
 LOS ANGELES COUNTY

ISSUED DATE: 08/06/13

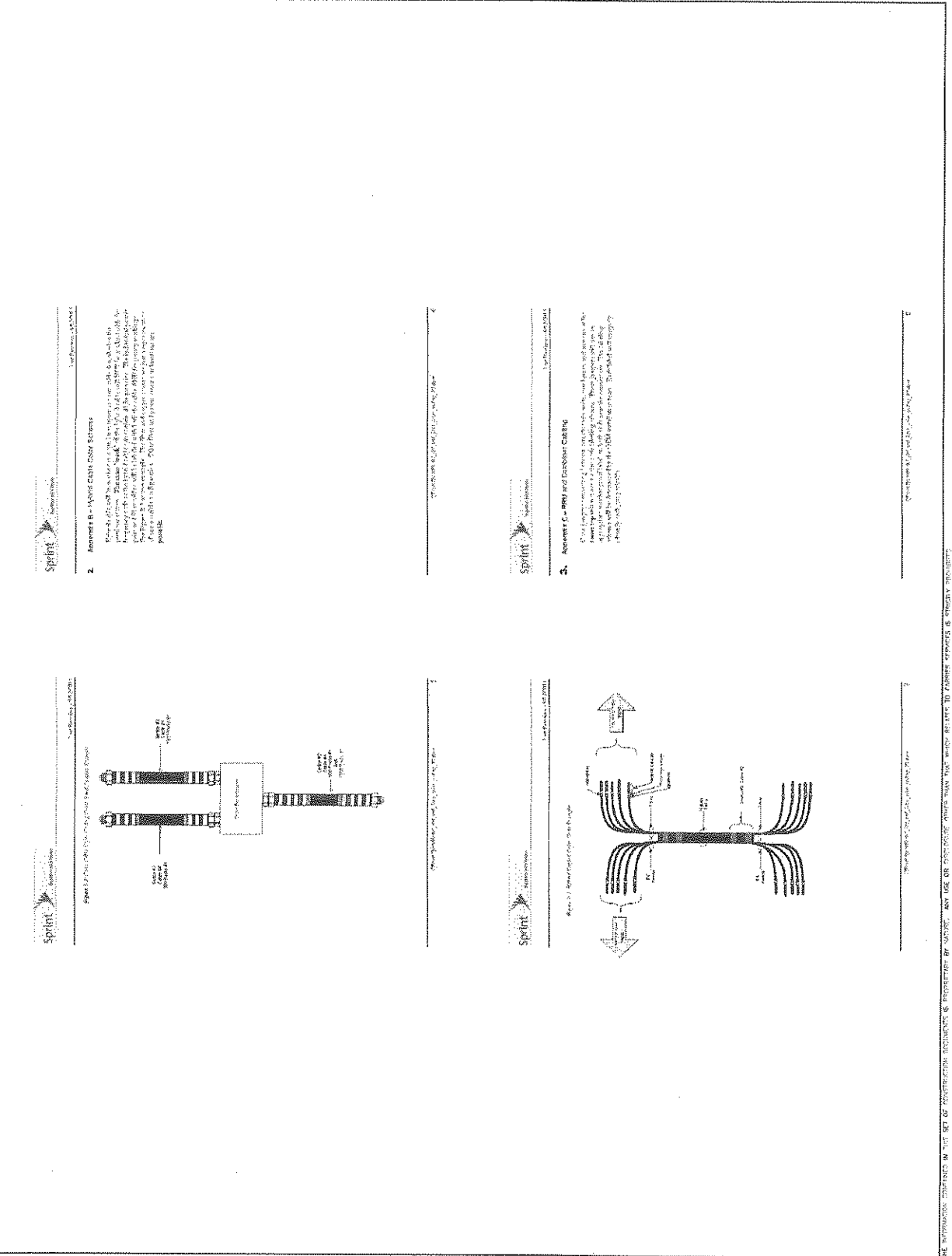
ISSUED FOR: 100% CONSTRUCTION

REV.	DATE	DESCRIPTION
1	07/27/13	ISSUED FOR CD REVIEW
2	08/06/13	ISSUED FOR CONSTRUCTION
3	07/16/13	REVISED PER S&M COMMENTS
4	07/16/13	CM COMMENTS
5	08/06/13	CM COMMENTS

NOT FOR CONSTRUCTION USE
 LABELLED AS SUCH

SHEET TITLE: CABLE COLOR CODING REQUIREMENTS

SHEET NUMBER: A-10
 REVISION: 4





PROJECT INFORMATION

NETWORK VENDOR PARTS LISTING
CARSON HIGH
 LA03XC335
 22017 FIGUEROA STREET
 CARSON, CA 90745
 LOS ANGELES COUNTY

ISSUE DATE: 08/06/13

ISSUED FOR: 100% CONSTRUCTION

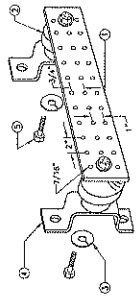
REV.	DATE	DESCRIPTION	INITIALS
A	07/25/13	ISSUED FOR BIDDING	LB
B	08/25/13	REVISED FOR CONSTRUCTION	CBK
1	08/25/13	REVISED FOR CONSTRUCTION	CBK
2	07/16/13	ON COMMENTS	LB
3	07/16/13	ON COMMENTS	FR
4	08/06/13	ON COMMENTS	FR

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET LICENSE.

SHIFT TITLE: GROUNDING DETAILS

SHEET NUMBER: E-2

REVISION: 4



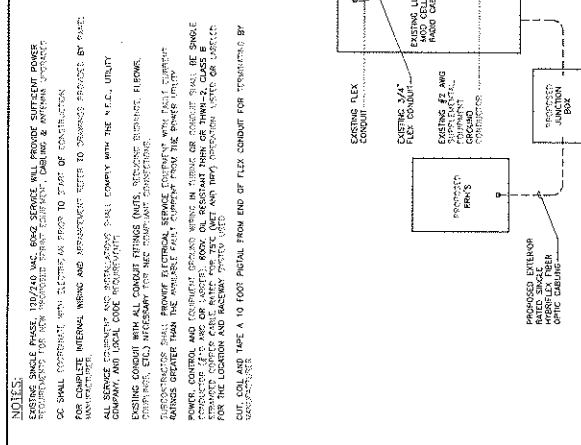
NOTE: SEE SHEET E-1 FOR WIRE CONNECTIONS TO WIRE FROM ABOVE. ALL CONNECTIONS SHALL BE MADE TO THE GROUND BAR AS SHOWN. THE GROUND BAR SHALL BE INSTALLED WITH THE WIRE AS SHOWN. THE GROUND BAR SHALL BE INSTALLED WITH THE WIRE AS SHOWN. THE GROUND BAR SHALL BE INSTALLED WITH THE WIRE AS SHOWN.

GROUND BAR (IF REQUIRED)

1/2" DIA. GALV. STEEL NOT TO SCALE

ELECTRICAL ONE LINE DIAGRAM

1/2" DIA. GALV. STEEL NOT TO SCALE



NOTES:
 1. EXISTING SINGLE PHASE 120/240 VAC, 60HZ SERVICE WILL PROVIDE SUFFICIENT POWER REQUIREMENTS FOR NEW PROPOSED TRAFFIC EQUIPMENT, CABLES & ANTENNA SYSTEMS.
 2. ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL AND STATE REGULATIONS.
 3. ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL AND STATE REGULATIONS.
 4. ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH THE 2011 NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL AND STATE REGULATIONS.

NOT USED

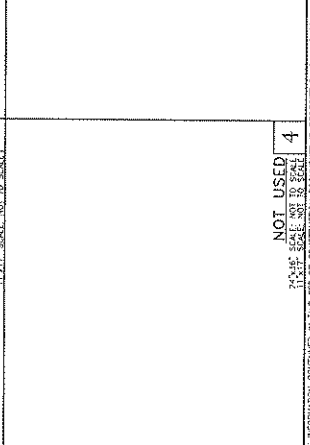
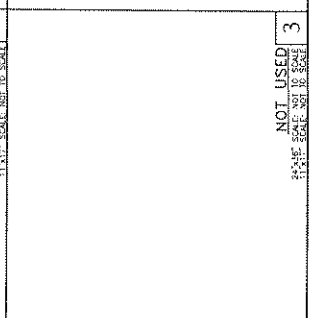
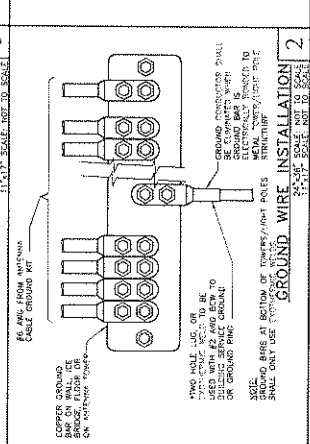
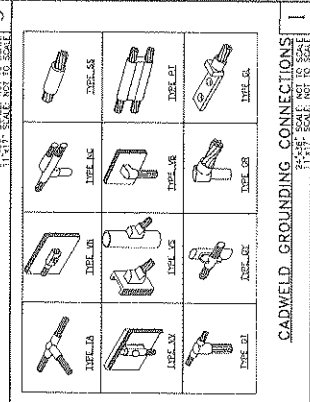
1/2" DIA. GALV. STEEL NOT TO SCALE

NOT USED

1/2" DIA. GALV. STEEL NOT TO SCALE

NOT USED

1/2" DIA. GALV. STEEL NOT TO SCALE



NOT USED
 1/2" DIA. GALV. STEEL NOT TO SCALE

NOT USED
 1/2" DIA. GALV. STEEL NOT TO SCALE

NOT USED
 1/2" DIA. GALV. STEEL NOT TO SCALE

NOT USED
 1/2" DIA. GALV. STEEL NOT TO SCALE



Wheelers Dwarf	Pittosporum tobira 'Variegata'
India Hawthorn	Ralphiolepis indica 'Jack Evans'
Compact Natal Plum	Carissa
Lily of Nile	Agapanthus africanus
Privet	Ligustrum 'Texanum'
Compact Shiny Xylosma	Xuylosma, congestum 'Compactum'
Pink Escallonia	Escallonia fradesii
Ternstromia	Ternstroemia gymnanthera
Frasers Photinia	Photinia fraseri
Viburnum	Viburnum davidii

b. Ground Covers.

Star Jasmine	Trachelospermum jasminoides
Prostate Natal Plum	Carissa grandiflora 'Green Carpet'
Blue Rug Juniper	Junipers horizaontalis
Turfgrass	'Marathon' fescue
Trailing Lantana Gazanias	Lantana montividenis

(Ord. 03-1279, § 23; Ord. 08-1404, § 3; Ord. 11-1473, § 3; Ord. 11-1480, § 3)

§ 9138.16 Communications Facilities.*

A. Purpose. The purpose and intent of this Section is to provide uniform and comprehensive standards for the development of all communications facilities, including antennas and associated facilities for wireless telecommunication, data, radio, television and microwave, in accordance with existing Federal law while minimizing the aesthetic impacts through the use of carefully chosen siting and design criteria. The regulations contained herein are designed to protect and promote public health, safety and welfare, and aesthetic qualities within the community. At the same time, the intent is to comply with the Telecommunications Act of 1996, to not unduly restrict the development of necessary communications facilities and encourage managed development of communications infrastructure while providing a public forum to ensure a balance between public concerns and private interest in establishing such facilities.

B. Definitions.

1. "Amateur radio service" means a non-commercial, two (2) way radio communications service operated by licensed amateurs using shared frequencies.

2. "Antenna height" means the vertical distance from the existing or proposed grade, whichever is lower, to the highest part of the antenna.

3. "Building-mounted facilities" means all facilities mounted or attached in any way to an existing building. The building must serve a primary use other than as a site for a communications facility.

4. "Cell on wheels" or "COW" means a facility which is temporarily rolled in or temporarily installed.

5. "Co-location" means the placement of more than one (1) facility on an existing building or freestanding structure.

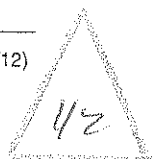
6. "Enhanced 911 emergency calling systems (911/ECS)" means a service which allows public safety personnel, including police and fire departments, to automatically identify the phone number and location of a person making an emergency call from a mobile source.

7. "Facade-mounted" means the mounting of antennas directly to the fascia or sidewall of a building and stealth into the architectural design of the wall.

8. "Facility" means a communications facility that repeats, transmits and/or receives electromagnetic signals which includes, but is not limited to: the combination of antennas, transmitters, masts, cabinets, and equipment rooms; towers, monopoles, or similar structures supporting said equipment; screening devices including walls and landscaping; and parking areas and other accessory development.

9. "Ground-mounted" means a facility in which the antennas are located on a freestanding pole or structure, other than a building, attached to the ground. These antennas do not use a building or ancillary structure(s) for mounting purposes.

10. "Height" means the distance measured from the average finished grade surrounding the facility to the highest point on the facility. In the case of a building tower, the height includes the portion of the building on which it is mounted. Towers that are adjustable in height shall use the



maximum height which the structure is capable of reaching.

11. "Major communications facility" means a facility other than a minor communications facility, which includes ground-mounted or freestanding facilities and facilities that are not stealth. A facility located within a residential zone, regardless of stealth design, is considered a major communications facility.

12. "Minor communications facility" means a facility that includes distributed antenna systems (DAS), microcells and building-mounted facilities that are stealth, including facade-mounted (wall-mounted) and roof-mounted stealth facilities. A collocation onto an existing, approved major communications facility that is in full compliance with this Section, shall be processed as a minor communications facility. Enhanced 911/ECS required by the Federal Communications Commission (FCC) are considered minor communications facilities if they are stealth into the design of an existing building-mounted or freestanding facility.

13. "Multiple user" means a communications facility comprised of multiple towers or buildings supporting one (1) or more antennas owned or used by more than one (1) public and/or private entity, excluding research and development industries with antennas to serve internal uses only.

14. "Freestanding" means a facility or structure which is not mounted on or attached in any way to an existing building, or that is attached to a structure whose primary purpose is to support, house or serve as a mounting location for communications equipment.

15. "Not stealth" means any facility not camouflaged in a readily apparent manner to blend with surrounding land uses and features. The design does not conceal the intended use of the facility and incorporates no readily apparent elements of stealth technology or design. A standard monopole with equipment cabinets aboveground and unscreened would be considered not stealth.

16. "Personal communications services (PCS)" is a term coined by the Federal Communications Commission; it describes a two (2) way voice and digital, wireless telecommunications system. PCS encompasses cordless phones, cellular mobile phone paging systems, personal communications networks, wireless office phone systems, and any other wireless telecommunications systems that allow people to place and

receive voice/data calls while away from home and office.

17. "Site justification study" means a study performed pursuant to certain requirements which explains the demands and rationale that led to the selection of a particular location and design for a communications facility. The study may include information pertaining to the interrelationship between a specific site and other sites in the local network area.

18. "Stealth" means camouflaged or designed to blend with the surrounding environment and land uses, minimize aesthetic impact on adjacent uses, and conceal the intended use and appearance of the structures.

19. "Tower" means any structure, or support thereto, that is designed and constructed primarily for the purpose of supporting one (1) or more antennas for telephone, radio and similar communications purposes, including self-supporting lattice towers, guyed towers, or monopole towers. The term includes radio and television transmission towers, microwave towers, common-carrier towers, cellular telephone towers, alternative tower structures, and the like.

C. Applicability. The procedures and rules set forth in this Section are applicable to all communications facilities and all modifications or additions to existing communications facilities. This Section does not apply to the use or location of private, residential citizen band radio towers, amateur radio service, television antennas, or private residential dish antennas less than one (1) meter in diameter, used for receiving radio frequency or television signals, or public safety communications facilities owned or operated by the City of Carson or any emergency agencies such as the Fire Department or Sheriff's Department.

D. Procedural Standards.

1. Minor communications facilities shall be subject to the approval of a development plan in accordance with the site plan and design review procedures as provided in CMC 9172.23. The Planning Division shall be the approval authority except if the property is located within one hundred (100) feet of a residential zone. In considering applications for minor communications facilities, the Planning Division shall be guided by the provisions of subsections F (Design and Development

Standards) and H (Required Findings) of this Section.

The Planning Division shall render a decision in writing, with findings, and conditions, subsequent to receipt of a complete application. The Planning Division's decision shall be final unless a written appeal is filed pursuant to CMC 9173.4.

2. Major Communications Facilities. Major communications facilities shall be subject to the approval of a development plan in accordance with the site plan and design review procedures as provided in CMC 9172.23 and conditional use permit procedures as provided in CMC 9172.21. A co-location onto an existing, approved major communications facility shall be processed as a minor communications facility, unless as otherwise mentioned in this Section or if the co-location is a substantial addition that would intensify the existing facility as determined by the Planning Officer. In considering applications for major communications facilities, the Planning Commission shall be guided by the provisions of subsections F (Design and Development Standards) and H (Required Findings) of this Section. The decision of the Planning Commission shall be final unless a written appeal is filed pursuant to CMC 9173.4.

E. Application Requirements. The following information shall be provided concurrently with any application submitted pursuant to CMC 9173.1:

1. Co-Location Statement (if necessary). This statement must be signed by all co-locating providers agreeing to the co-location.

2. Utility Easement Encroachment Agreement (if necessary). A letter of consent must be provided by the utility purveyor(s) if their easement will be encroached upon.

3. Local Facilities Map. Show existing facilities and coverage areas in the City. (At the applicant's request, the City of Carson will make every effort to ensure the confidentiality of information which is considered to be of a proprietary nature. Said information will be used for municipal planning purposes only.)

4. Site Justification Study. A study which explains the demands and rationale for selecting a particular location and design for a communications facility. The study may include information pertaining to the interrelationship between a specific site and other sites in the local network area.

For all major communications facilities, this study shall identify all reasonable, technically feasible, alternative locations, including facilities which could be used for co-location or other networks available such as distributed antenna systems. The study shall also explain the rationale for selecting the proposed site. For all feasible co-location sites, the study shall include evidence of written contact with all wireless service providers or tower owners within a quarter mile of the proposed communications facility, unless a smaller radius is technologically justified by the applicant. The contacted tower owner or service provider shall be requested to respond in writing to the inquiry within thirty (30) days. The applicant's letter(s) as well as response(s), or a statement from the applicant detailing all responses received, shall be included with the study as a means of demonstrating the need for a new major communications facility.

5. RF Emissions Report. The City of Carson acknowledges that it is preempted from regulating the placement, construction or modification of facilities based on environmental effects of radio frequency emissions to the extent that such facilities comply with the Federal Communications Commission's (FCC) regulations. As such, a report shall be submitted which is signed by a radio frequency engineer and prepared pursuant to FCC, Office of Engineering and Technology, Bulletin 65 or any other applicable guidelines or regulations, stating the maximum (EMF/RF) radiation to be emitted by the proposed facility and whether those emissions conform to safety standards adopted by the Federal Communications Commission. The report shall take into account all other facilities within five hundred (500) feet, both existing and known future facilities, the cumulative effects of co-located facilities and existing nearby buildings and structures and shall be written so as to be understandable to the layman. This report shall be available for review by the public.

6. Site Plan. A site plan shall be submitted and consist of elevation drawings indicating the height, diameter, color, setbacks, landscaping, method of screening, and color photo simulations showing the before and after impacts of the proposed facility on the subject site. Existing communications facilities, poles, towers, and/or antennas shall also be shown. No plans shall include depictions of future antennas or devices, nor shall future

antennas or devices be approved, unless specifically identified by applicant in a separate written statement to the Planning Division or Planning Commission as applicable.

7. Costs and Refundable Deposits. Applicant shall bear the reasonable costs associated with the review of the application including the costs incurred as a result of the need to hire an expert or consultant to review the data or information provided by the applicant or any related application, and for the expert or consultant to attend City meetings as determined by the City. At the time the applicant submits its application, it shall also submit an initial refundable deposit of \$2,500. The deposit shall be used by the City to pay the reasonable costs associated with the expert or consultant review of the application. In the event that the deposit is or will be fully expended by the City, at the direction of the City, the applicant shall within five (5) business days deposit additional funds with the City in an amount reasonably estimated by the Director of Community Development. Upon final City action on or withdrawal or termination of the application, any unexpended funds on deposit shall promptly be returned to the applicant by the City. No City construction permit or utility connection authorizations shall be issued by the City for any approved project if the applicant has not fully reimbursed the City for its consultant or expert costs as required herein.

F. Design and Development Standards.

1. Setbacks. No communications facility shall be located within or extend into the required setbacks established in the applicable zone.

2. Height.

a. Communications facilities utilizing a freestanding support structure shall be limited to the maximum building height for the applicable zoning district.

b. In zoning districts with no maximum height limit, a communications facility which utilizes a freestanding support structure shall not exceed fifty (50) feet in height above the ground. The zoning of all locations shall be interpreted in accordance with CMC 9114.2.

c. New communications facilities constructed on existing conforming structures shall not exceed the height of the existing structure, except for fully stealth roof-mounted facilities on existing buildings which may project up to the maximum

height limit described in this Section or eight (8) feet above the roof from where it is attached, whichever is higher.

d. The Planning Commission or Planning Division may consider approval of facilities to exceed the maximum height limit described in this Section subject to approval of a minor or major exception as described in subsection G (Exceptions) of this Section. Existing facilities lawfully erected prior to July 17, 2003, may have a height limit greater than subsection G (Exceptions) of this Section provided there is no expansion or intensification to the facility.

3. Undergrounding. Electrical wiring associated with a facility shall be buried underground or hidden in a manner acceptable to the Planning Division and Engineering Division or Planning Commission if applicable. To the extent technologically feasible, all vaults, equipment, shelters, structures, or any other device related to or required for use of a facility, shall be underground in the open space zone, in the right-of-way, and where all other utilities are required to be underground. In all other areas in the City, all vaults, equipment, shelters, structures, and other devices shall be permitted aboveground only when said devices are not visible from adjacent property or the right-of-way.

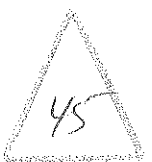
4. Microwave Dishes. Where economically feasible the use of microwave dishes shall be prohibited and underground lines utilized. Upon a showing of economic infeasibility, microwave dishes up to twenty-six (26) inches shall be permitted.

5. Painting. The communications facility and supporting structure(s) shall be painted a neutral, non-glossy color that matches the color of the structure to be mounted on or to the color of the surrounding environment subject to the satisfaction of the Planning Manager.

6. Lighting. All communications facilities, except exempt facilities, shall be unlit, except for a manually operated or motion-detector controlled light above the equipment door which shall be used only for personnel maintenance purposes. This requirement is not intended to address interior structure lighting.

7. Noise.

a. All communications facilities, except exempt facilities, shall be constructed and operated



in such a manner as to meet the requirements of the noise ordinance.

b. Backup generators shall only be operated during power outages and for testing and maintenance purposes. No backup generator shall be utilized for longer than seventy-two (72) hours without prior approval of the Engineering Division or Planning Division.

c. If the facility is located within one hundred (100) feet of a residential dwelling unit, noise attenuation measures, including redesign or screening, shall be included to reduce exterior noise levels to meet the requirements of the noise ordinance.

8. Signs. The display of any sign or any other graphic on a communications facility or on its screening is prohibited, except for signs for health, safety, and welfare purposes which are required to be posted in case of an emergency. Emergency signs shall be visibly posted at the facility and shall include contact information, including the phone number of the utility provider.

9. Performance Bond. A faithful performance bond shall be required to ensure compliance with City codes and standards, and the removal of abandoned antennas or facilities, before the issuance of any building or public works permits.

G. Exceptions.

1. Exceptions for minor communications facilities may be approved by the Planning Division. For all other facilities including those within one hundred (100) feet of a residential zone, the Planning Commission shall render the decision after notice and hearing. In approving an exception, the Planning Commission or Planning Division shall render a decision in writing, with findings and conditions, subject to the requirements of CMC 9172.23.

a. Minor Exceptions. The design standards for setbacks and height listed in subsection F of this Section may be modified by not more than fifteen (15) percent.

The Planning Commission or Planning Division must make all of the following findings based on evidence submitted by the applicant:

(1) If seeking a minor exception from height standards set forth herein, the applicant shall demonstrate that the proposed height is designed at the minimum height necessary for operation and/or

for stealth purposes including design elements or architectural details.

(2) The minor exception would not create a significant visual impact.

(3) Granting the minor exception shall conform to the spirit and intent of this zoning code.

(4) Granting the minor exception will not be materially detrimental to the public welfare or injurious to properties or improvements in the vicinity.

b. Major Exceptions. The design standards for setbacks and height listed in subsection F of this Section may be modified by not more than thirty (30) percent.

The Planning Commission or Planning Division must make all of the following findings based on evidence submitted by the applicant:

(1) If the applicant seeks the major exception in order to service the applicant's gap in service, the applicant shall submit an explanation and supporting engineering data establishing that a tower or antenna as proposed is technologically necessary.

(2) If the applicant seeks the major exception in order to accommodate the establishment of a co-located facility, the applicant shall demonstrate that conformance with the code would require the installation of new freestanding communications facility or other less desirable facility.

(3) If seeking a major exception from height standards set forth herein, the applicant shall demonstrate that the proposed height is designed at the minimum height necessary. The applicant shall specifically include an analysis comparing the operation of the facility at its proposed height with its operation at the maximum height permitted herein. The purpose of this analysis is to ensure that additional height is permitted only when technologically necessary for the provision of services. Further, the applicant shall certify that the facility shall not cause a hazard to aircraft.

(4) Locating the antenna in conformance with the specifications of this Section would obstruct the antenna's reception window or otherwise excessively interfere with reception, and the obstruction or interference involves factors beyond the applicant's control and relocation is not an option.

(5) The visual impacts are negligible because the facility is designed to architecturally integrate with the surrounding environment.

(6) Granting the major exception shall conform to the spirit and intent of this zoning code.

(7) Granting the major exception will not be materially detrimental to the public welfare or injurious to properties or improvements in the vicinity.

H. Required Findings. In addition to the provisions of CMC 9172.21 and 9172.23, the Planning Division or Planning Commission shall approve a development plan and conditional use permit for a communications facility if affirmative findings can be made based upon the following criteria:

1. The proposed site is the least intrusive after considering co-location with another facility, other networks available such as distributed antenna systems, and location at another site. If located in the public right-of-way or on City-owned or leased property, the facility must meet the requirements of the Engineering Division.

2. The proposed communications facility will be aesthetically compatible, located and designed to minimize the visual impact on surrounding properties and from public streets, including adequate screening through the use of landscaping that harmonize with the elements and characteristics of the property and/or stealth which incorporates the facility with the structure in which it will be mounted through use of material, color, and architectural design.

3. The proposed communications facility is not located on any residential dwelling or on any property which contains a residential dwelling, or any property wherein a person resides, except as may be associated with a church, temple, or place of religious worship.

I. Maintenance. The site shall be maintained in a condition free of trash, debris, and refuse and all antennas and related structures shall not be permitted to fall into disrepair. All graffiti must be removed immediately or within seventy-two (72) hours of notice from the City.

J. Temporary Facilities.

1. The Planning Division may approve, for a period of up to ninety (90) days, a temporary communications facility, including but not limited to a COW, to provide service while an approved communications facility is being fabricated or when an

existing antenna has been damaged or destroyed. The Planning Division may extend the ninety (90) day period at the request of the applicant for thirty (30) day intervals if the applicant can prove that there is a hardship that is delaying the issuance of permits for the permanent facility.

2. The temporary facility may only be approved after the approval authority has approved or conditionally approved an application for a communications facility and the project proponent has signed and returned a copy of the affidavit of acceptance of conditions of approval to the Planning Division.

3. The Planning Division shall approve the actual location and design of the temporary facility consistent with the requirements of subsection F (Design and Development Standards) of this Section.

4. The Planning Division or Public Safety Division shall have the authority to approve a temporary use permit for communications facilities needed during a declared emergency. Temporary facilities shall be removed not later than ten (10) days after the conclusion of the declared emergency.

K. Nonconforming Facilities. Any facility constructed in violation of this Section, or in violation of any part of this code, is subject to immediate abatement. Any major communications facility that is lawfully constructed prior to the effective date of the ordinance codified in this Section shall be deemed a nonconforming use and will be subject to the provision of CMC 9182.21 and 9182.22. Additionally, CMC 9172.25 and 9182.05 shall govern any request for an extension to the nonconforming privilege.

L. Facility Removal.

1. Discontinued Use/Abandonment. The operator of a lawfully erected facility, and the owner of the premises upon which it is located, shall promptly notify the Planning Division in writing in the event that the use of the facility is discontinued for any reason. In the event the facility is discontinued or abandoned for a period of more than one hundred eighty (180) days, then the owner(s) and/or operator(s) shall promptly remove the facility, repair any damage to the premises caused by such removal, and restore the premises as appropriate so as to be in conformance with applicable zoning codes at the owner's and/or operator's expense. All such removal, repair and



restoration shall be completed within ninety (90) days after the use is discontinued or abandoned, and shall be performed in accordance with all applicable health and safety requirements. In the event that an owner or operator fails to remove any abandoned facilities or antennas within the time periods stated, the City may remove the facility after providing thirty (30) days' notice, and shall bill the owner and/or operator for all costs including any administrative or legal costs incurred in connection with said removal. Once all costs have been paid by the antenna owner, any bond posted for removal shall be released. The City does not waive any legal rights to seek repayment for removal costs pursuant to a bond posted, or bring an action for repayment of costs.

2. Utility-Mounted Facility Removal or Relocation. All utility-mounted facilities shall be removed or relocated at the facility owner's expense when a City-approved project requires relocation or undergrounding of the utility structure on which the facility is mounted. (Ord. 03-1284, § 5; Ord. 10-1460, § 1)

§ 9138.17 Mixed-Use – Carson Street (MU-CS).

A. Description of Boundaries. The City of Carson Mixed-Use – Carson Street Corridor (MU-CS) is a 1.75-mile section located on the north and south sides of Carson Street between the San Diego (I-405) Freeway and the Harbor (I-110) Freeway. There are five (5) districts within the Carson Street Corridor MU-CS which are: West Gateway District, Community Shopping District, Boulevard Residential District, Civic Center District and East Gateway District. The West Gateway District includes the north and south side of Carson Street between the I-110 Freeway and Moneta Street. The Community Shopping District includes the north and south side of Carson Street from Moneta Street to Dolores Street. The Boulevard Residential District extends from Dolores Street to Grace Avenue, the Civic Center District extends from Grace Avenue to Bonita Street and East Gateway District extends from Bonita Avenue to the I-405 Freeway.

B. Purpose and Intent. The purpose of the MU-CS Zone is to create a downtown retail and residential district which will provide the City of Carson with a distinctive core area which includes its Civic Center. The use of the regulations and develop-

ment standards contained herein is intended to fulfill the following objectives:

1. Create a livable, pedestrian-friendly downtown retail district surrounding the civic core.
2. Create a distinctive mixed-use character throughout the Carson Street Corridor by establishing standards and guidelines.

C. Permitted Land Uses. All uses within the Mixed-Use – Carson Street Corridor are subject to site plan and design review per CMC 9172.23.

1. Permitted and Conditional Uses. Automatically permitted uses, uses requiring special limitations and requirements, conditionally permitted uses, and all other uses permitted in the MU-CS zoning district are described in CMC 9131.1. Existing nonconforming uses shall comply with the requirements of Division 2 of Part 8 of this Chapter.

2. Prohibited Uses. All uses are prohibited except as expressly permitted by the provisions of this Chapter.

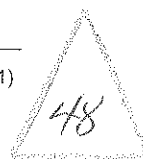
3. Interpretation of Uses Permitted. Further definition and enumeration of uses permitted in the Mixed-Use – Carson Street District shall be determined by means of interpretation in accordance with CMC 9172.24.

D. Site Requirements. The site requirements listed under this Section are mandatory.

1. Minimum Lot Area.
 - a. The minimum lot size for a commercial-use-only building or buildings is twenty thousand (20,000) square feet.
 - b. The minimum lot size for a mixed-use building or buildings is twenty thousand (20,000) square feet.
 - c. The minimum lot size for development with a residential-only building or buildings is thirty thousand (30,000) square feet.
 - d. Any lawfully established lot (including a leased area of land during the term of the lease) is deemed to have the required lot size.
 - e. A lot may be reduced to less than the required lot area if such a reduction is the result of an acquisition for public purposes.

2. Street Frontage and Access.

- a. The minimum building frontage shall be seventy (70) percent of the lot width unless modified by the Planning Commission pursuant to CMC 9172.23 (Site Plan and Design Review).



APPENDIX

SEC. 6409. WIRELESS FACILITIES DEPLOYMENT.

(a) FACILITY MODIFICATIONS.

(1) IN GENERAL. Notwithstanding section 704 of the Telecommunications Act of 1996 (Public Law 104-104) or any other provision of law, a State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station.

(2) ELIGIBLE FACILITIES REQUEST. For purposes of this subsection, the term “eligible facilities request” means any request for modification of an existing wireless tower or base station that involves —

- (A) collocation of new transmission equipment;
- (B) removal of transmission equipment; or
- (C) replacement of transmission equipment.

(3) APPLICABILITY OF ENVIRONMENTAL LAWS. Nothing in paragraph (1) shall be construed to relieve the Commission from the requirements of the National Historic Preservation Act or the National Environmental Policy Act of 1969.



PUBLIC NOTICE

Federal Communications Commission
445 12th St., S.W.
Washington, D.C. 20554

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WIRELESS TELECOMMUNICATIONS BUREAU OFFERS GUIDANCE ON INTERPRETATION OF SECTION 6409(a) OF THE MIDDLE CLASS TAX RELIEF AND JOB CREATION ACT OF 2012

DA 12-2047
January 25, 2013

On February 22, 2012, the Middle Class Tax Relief and Job Creation Act of 2012 (Tax Act)¹ became law. Section 6409(a) of the Tax Act provides that a state or local government “may not deny, and shall approve” any request for collocation, removal, or replacement of transmission equipment on an existing wireless tower or base station, provided this action does not substantially change the physical dimensions of the tower or base station.² The full text of Section 6409(a) is reproduced in the Appendix to this Public Notice.

To date, the Commission has not received any formal petition to interpret or apply the provisions of Section 6409(a). We also are unaware of any judicial precedent interpreting or applying its terms. The Wireless Telecommunications Bureau has, however, received informal inquiries from service providers, facilities owners, and state and local governments seeking guidance as to how Section 6409(a) should be applied. In order to assist interested parties, this Public Notice summarizes the Bureau’s understanding of Section 6409(a) in response to several of the most frequently asked questions.³

What does it mean to “substantially change the physical dimensions” of a tower or base station?

Section 6409(a) does not define what constitutes a “substantial[] change” in the dimensions of a tower or base station. In a similar context, under the *Nationwide Collocation Agreement* with the Advisory Council on Historic Preservation and the National Conference of State Historic Preservation Officers, the Commission has applied a four-prong test to determine whether a collocation will effect a “substantial increase in the size of [a] tower.”⁴ A proposed collocation that does not involve a substantial increase in

¹ Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. 112-96, H.R. 3630, 126 Stat. 156 (enacted Feb. 22, 2012) (Tax Act).

² *Id.*, § 6409(a).

³ Although we offer this interpretive guidance to assist parties in understanding their obligations under Section 6409(a), *see, e.g., Truckers United for Safety v. Federal Highway Administration*, 139 F.3d 934 (D.C. Cir. 1998), the Commission remains free to exercise its discretion to interpret Section 6409(a) either by exercising its rulemaking authority or through adjudication. With two exceptions not relevant here, the Tax Act expressly grants the Commission authority to “implement and enforce” this and other provisions of Title VI of that Act “as if this title is a part of the Communications Act of 1934 (47 U.S.C. 151 et seq.)” Tax Act § 6003.

⁴ 47 C.F.R. Part 1, App. B, *Nationwide Programmatic Agreement for the Collocation of Wireless Antennas*, § I.C (*Nationwide Collocation Agreement*).

size is ordinarily excluded from the Commission's required historic preservation review under Section 106 of the National Historic Preservation Act (NHPA).⁵ The Commission later adopted the same definition in the *2009 Declaratory Ruling* to determine whether an application will be treated as a collocation when applying Section 332(c)(7) of the Communications Act of 1934.⁶ The Commission has also applied a similar definition to determine whether a modification of an existing registered tower requires public notice for purposes of environmental review.⁷

Under Section I.C of the *Nationwide Collocation Agreement*, a "substantial increase in the size of the tower" occurs if:

- 1) [t]he mounting of the proposed antenna on the tower would increase the existing height of the tower by more than 10%, or by the height of one additional antenna array with separation from the nearest existing antenna not to exceed twenty feet, whichever is greater, except that the mounting of the proposed antenna may exceed the size limits set forth in this paragraph if necessary to avoid interference with existing antennas; or
- 2) [t]he mounting of the proposed antenna would involve the installation of more than the standard number of new equipment cabinets for the technology involved, not to exceed four, or more than one new equipment shelter; or
- 3) [t]he mounting of the proposed antenna would involve adding an appurtenance to the body of the tower that would protrude from the edge of the tower more than twenty feet, or more than the width of the tower structure at the level of the appurtenance, whichever is greater, except that the mounting of the proposed antenna may exceed the size limits set forth in this paragraph if necessary to shelter the antenna from inclement weather or to connect the antenna to the tower via cable; or
- 4) [t]he mounting of the proposed antenna would involve excavation outside the current tower site, defined as the current boundaries of the leased or owned property surrounding the tower and any access or utility easements currently related to the site.

Although Congress did not adopt the Commission's terminology of "substantial increase in size" in Section 6409(a), we believe that the policy reasons for excluding from Section 6409(a) collocations that substantially change the physical dimensions of a structure are closely analogous to those that animated the Commission in the *Nationwide Collocation Agreement* and subsequent proceedings. In light of the Commission's prior findings, the Bureau believes it is appropriate to look to the existing definition of "substantial increase in size" to determine whether the collocation, removal, or replacement of equipment

⁵ See 16 U.S.C. § 470f, *see also* 47 C.F.R. § 1.1307(a)(4) (requiring applicants to determine whether proposed facilities may affect properties that are listed, or are eligible for listing, in the National Register of Historic Places).

⁶ See Petition for Declaratory Ruling to Clarify Provisions of Section 332(c)(7)(B) to Ensure Timely Siting Review and to Preempt Under Section 253 State and Local Ordinances that Classify All Wireless Siting Proposals as Requiring a Variance, WT Docket No. 08-165, *Declaratory Ruling*, 24 FCC Rcd. 13994, 14012, para. 46 & n.146 (2009) (*2009 Declaratory Ruling*), *recon. denied*, 25 FCC Rcd. 11157 (2010), *pet. for review denied sub nom. City of Arlington, Texas v. FCC*, 668 F.3d 229 (5th Cir.), *cert. granted*, 113 S.Ct. 524 (2012); 47 U.S.C. § 332(c)(7).

⁷ See 47 C.F.R. § 17.4(c)(1)(B); National Environmental Policy Act Compliance for Proposed Tower Registrations, WT Docket No. 08-61, *Order on Remand*, 26 FCC Rcd. 16700, 16720-21, para. 53 (2011).



on a wireless tower or base station substantially changes the physical dimensions of the underlying structure within the meaning of Section 6409(a).

What is a “wireless tower or base station”?

A “tower” is defined in the *Nationwide Collocation Agreement* as “any structure built for the sole or primary purpose of supporting FCC-licensed antennas and their associated facilities.”⁸ The Commission has described a “base station” as consisting of “radio transceivers, antennas, coaxial cable, a regular and backup power supply, and other associated electronics.”⁹ Section 6409(a) applies to the collocation, removal, or replacement of equipment on a wireless tower or base station. In this context, we believe it is reasonable to interpret a “base station” to include a structure that currently supports or houses an antenna, transceiver, or other associated equipment that constitutes part of a base station.¹⁰ Moreover, given the absence of any limiting statutory language, we believe a “base station” encompasses such equipment in any technological configuration, including distributed antenna systems and small cells.

Section 6409(a) by its terms applies to any “wireless” tower or base station. By contrast, the scope of Section 332(c)(7) extends only to facilities used for “personal wireless services” as defined in that section.¹¹ Given Congress’s decision not to use the pre-existing definition from another statutory provision relating to wireless siting, we believe the scope of a “wireless” tower or base station under Section 6409(a) is not intended to be limited to facilities that support “personal wireless services” under Section 332(c)(7).

May a state or local government require an application for an action covered under Section 6409(a)?

Section 6409(a) states that a state or local government “may not deny, and shall approve, any eligible facilities request....” It does not say that a state or local government may not require an application to be filed. The provision that a state or local government must approve and may not deny a request to take a covered action, in the Bureau’s view, implies that the relevant government entity may require the filing of an application for administrative approval.

⁸ See *Nationwide Collocation Agreement*, § I.B.

⁹ See Implementation of Section 6002(b) of the Omnibus Budget Reconciliation Act of 1993, WT Docket No. 10-133, *Annual Report and Analysis of Competitive Market Conditions With Respect to Mobile Wireless, Including Commercial Mobile Services, Fifteenth Report*, 26 FCC Rcd. 9664, 9481, para. 308 (2011).

¹⁰ See also 47 C.F.R. Part 1, App. C, *Nationwide Programmatic Agreement Regarding the Section 106 National Historic Preservation Act Review Process*, § II.A.14 (defining “tower” to include “the on-site fencing, equipment, switches, wiring, cabling, power sources, shelters, or cabinets associated with that Tower but not installed as part of an Antenna as defined herein”).

¹¹ 47 U.S.C. § 332(c)(7)(A). “Personal wireless services” is in turn defined to mean “commercial mobile services, unlicensed wireless services, and common carrier wireless exchange access services.” *Id.* § 332(c)(7)(C)(1).



Is there a time limit within which an application must be approved?

Section 6409(a) does not specify any period of time for approving an application. However, the statute clearly contemplates an administrative process that invariably ends in approval of a covered application. We believe the time period for processing these applications should be commensurate with the nature of the review.

In the *2009 Declaratory Ruling*, the Commission found that 90 days is a presumptively reasonable period of time to process collocation applications.¹² In light of the requirement of Section 6409(a) that the reviewing authority “may not deny, and shall approve” a covered request, we believe that 90 days should be the maximum presumptively reasonable period of time for reviewing such applications, whether for “personal wireless services” or other wireless facilities.

Wireless Telecommunications Bureau contact: Maria Kirby at (202) 418-1476 or by email: Maria.Kirby@fcc.gov.

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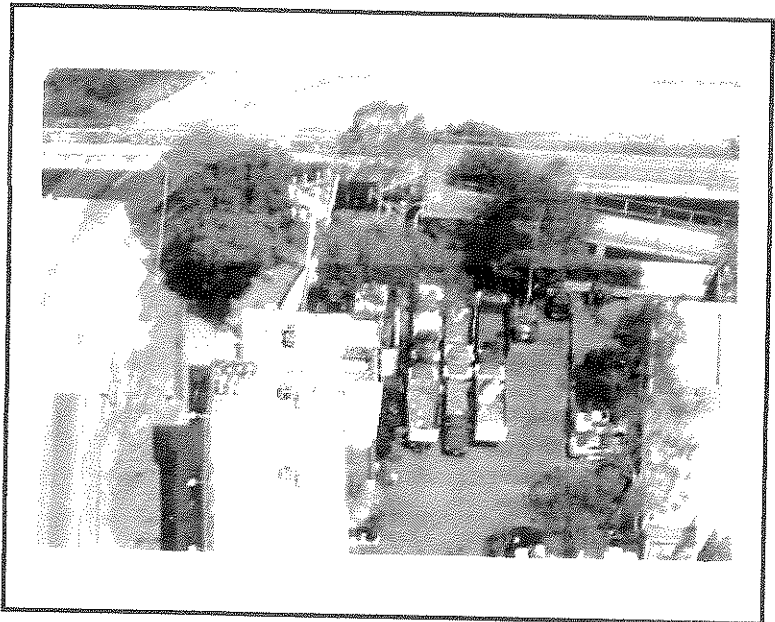
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¹² See *2009 Declaratory Ruling*, 24 FCC Rcd. at 14012-13, paras. 46-47.



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. LA03XC335
Carson High
22017 South Figueroa Street
Carson City, California 90745
Los Angeles County
33.827780; -118.285830 NAD83
monopole

EBI Project No. 62122926
July 27, 2012



21 B Street ♦ Burlington, MA 01803 ♦ 1.800.786.2346

EXHIBIT NO. 07



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 LA03XC335 located at 22017 South Figueroa Street in Carson City, 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 July 23, 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 twelve (12) existing antennas replaced with three (3) proposed Sprint wireless telecommunication antennas on a monopole located at 22017 South Figueroa Street in Carson City, California. There are three Sectors (A, B, and C) proposed to be replaced at the site, with one (1) antenna that may be re-installed per sector.

EBI conducted a site visit on July 23, 2012 and at the time of the site visit, there were twelve (12) AirTouch antennas on a monopole approximately 20 feet southwest from the Sprint monopole. Measurements were taken at the ground to record existing RF-EME levels resulting from these antennas in addition to the existing Sprint antennas prior to the installation of Sprint's proposed equipment.

During the survey, no spatially averaged power density readings above 0.1626% of the FCC's occupational MPE (0.8130% of the general public MPE) were encountered on any ground surface. In addition, no spatially averaged power density readings greater than 0.8130% of the FCC's uncontrolled or general public MPE were encountered at ground level.

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 twelve (12) existing antennas replaced with three (3) proposed Sprint wireless telecommunication antennas on a monopole located at 22017 South Figueroa Street in Carson City, California. There are three Sectors (A, B, and C) proposed to be replaced at the site, with one (1) antenna that may be re-installed per sector. In each sector, there is proposed to be one antenna transmitting in the 1900 MHz frequency range. The Sector A antenna will be oriented 0° from true north. The Sector B antenna will be oriented 110° from true north. The Sector C antenna will be oriented 240° from true north. The bottoms of the antennas will be 79 feet above the ground.

EBI conducted a site visit on July 23, 2012 and at the time of the site visit, there were twelve (12) AirTouch antennas on a monopole about 20 feet southwest of the Sprint monopole. Measurements were taken at the ground to record existing RF-EME levels resulting from these antennas in addition to the existing Sprint antennas prior to the installation of Sprint's proposed equipment.



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 for the 1900 MHz antenna and there will be six (6) transmitters operating at this frequency.

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 transmitter combined on site is 7,203 Watts.

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 mast mounted to the monopole, operating in the directions, frequencies, and heights mentioned in section 4.0 above. The monopole is in a commercial space, with a commercial building about 30 feet to the southwest, and a highway another 10 feet beyond the building to the southwest. There is also a walking bridge about 40 feet to the north of the monopole.

8.0 ESTIMATED AMBIENT RADIO FREQUENCY FIELDS FOR THE PROPOSED SITE

Based on worst-case predictive modeling, there are no predicted areas on any accessible ground-level walking/working surface related to the proposed Sprint antennas that exceed the FCC's occupational or general public exposure limits at this site. At the nearest walking/working surfaces to the proposed Sprint antennas, the maximum power density is 0.90 percent of the FCC's general public limit (0.18 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 4.60 percent of the FCC's general public limit (0.92 percent of the FCC's occupational limit) at the nearest walking/working surface to each antenna. Based on worst-case predictive modeling, there are no areas at ground level related to the proposed Sprint antennas that exceed the FCC's occupational or general public exposure limits at this site. At ground level, the maximum power density generated by the Sprint antennas combined with the existing other carriers antennas on site is 4.60 percent of the FCC's general public limit (0.92 percent of the FCC's occupational limit). 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 exceeds 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 fields 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.

At the time of the site survey, it was noted that there was a green "Notice" sign located near the entrance of the site.

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.

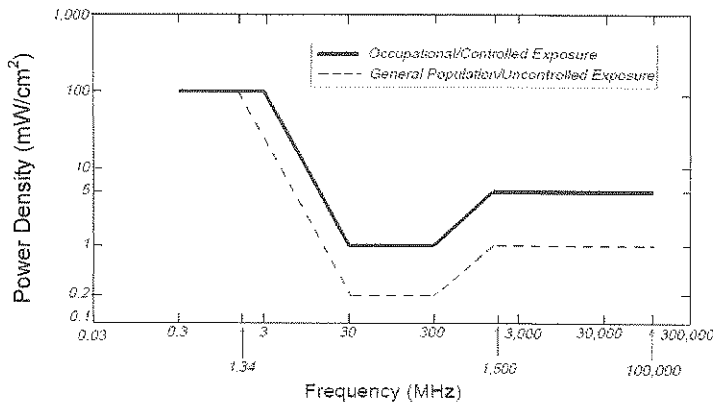
The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm²). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm²) and an uncontrolled MPE of 1 mW/cm² for equipment operating in the 1900 MHz frequency range. For the Sprint equipment operating at 800 MHz, the FCC's occupational MPE is 2.66 mW/cm² and an uncontrolled MPE of 0.53 mW/cm². These limits are considered protective of these populations.

Table I: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time [E] ² , [H] ² , or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1,500	--	--	f/300	6
1,500-100,000	--	--	5	6
(B) Limits for General Public/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time [E] ² , [H] ² , or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

f = Frequency in (MHz)

* Plane-wave equivalent power density

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



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

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



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

Personal Communication (PCS) facilities used by 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 22017 South Figueroa Street in Carson City, California.

EBI has conducted theoretical modeling combined with on site monitoring 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.

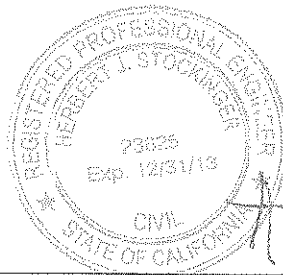
Additionally, based on the FCC criteria, there are no measured areas on any accessible ground-level walking/working surface related to the existing site conditions that exceed the FCC's occupational and general public exposure limits at this site.

Signage is recommended 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 black ink, appearing to read "H. Stockinger", written over the right side of the seal.

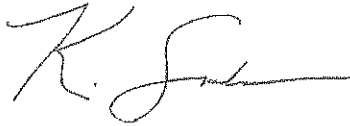
Herbert J. Stockinger, PE
Senior Engineer

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, Kyle Saunders, 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 -> SPT RoofView Composite.xls
 Done on 7/27/2012 at 2:09:49 PM.
 Use this format to prepare other data sets for the RoofView workbook file.
 You may use as many rows in this TOP header as you wish.
 The critical point are the cells in COLUMN ONE that read 'Start...' (eg. StartMapDefinition)
 If used, these (4) headers are required to be spelled exactly, as one word (eg. StartMapDefinition)
 The very next row will be considered the start of that data block.
 The first row of the data block can be a header (as shown below), but this is optional.
 When building a text file for import, Add the Map info first, then the Antenna data, followed by the symbol data.
 All rows above the first marker line 'Start...' will be ignored, no matter how many there are.
 This area is for you use for documentation.
 Find 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 \$KS31:SF;\$KS31:SF;\$KS200

StartSettingsData

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

StartAntennaData

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

ID	Name	Freq	Trans Power	Trans Count	Coax Len	Coax Type	Other Loss	Input Power	Calc Power	Mfg	Model	(ft) X	(ft) Y	(ft) Z	Type	(ft) Aper	dBd Gain	BWdth Pt Dir	Uptime Profile	ON flag
SPR A1	Sprint	1900	20	6	10	1/2 LDF	0.5	101.2002	RFS	APXVSPPT	53	42	79	6	15.9	65;0	ON*			
SPR B1	Sprint	1900	20	6	10	1/2 LDF	0.5	101.2002	RFS	APXVSPPT	58	33	79	6	15.9	65;110	ON*			
SPR C1	Sprint	1900	20	6	10	1/2 LDF	0.5	101.2002	RFS	APXVSPPT	47	33	79	6	15.9	65;240	ON*			
ATH A1	AirTouch	850	33	1	3	16.53918	unknown	24	29	60.25	3.5	12	63;15	ON*						
ATH A2	AirTouch	850	33	1	3	16.53918	unknown	26	28	60.25	3.5	12	63;15	ON*						
ATH A3	AirTouch	850	33	1	3	16.53918	unknown	28	27	60.25	3.5	12	63;15	ON*						
ATH A4	AirTouch	850	33	1	3	16.53918	unknown	30	26	60.25	3.5	12	63;15	ON*						
ATH B1	AirTouch	850	33	1	3	16.53918	unknown	31	20	25.25	3.5	12	63;150	ON*						
ATH B2	AirTouch	850	33	1	3	16.53918	unknown	29	19	25.25	3.5	12	63;150	ON*						
ATH B3	AirTouch	850	33	1	3	16.53918	unknown	27	18	25.25	3.5	12	63;150	ON*						
ATH B4	AirTouch	850	33	1	3	16.53918	unknown	25	17	25.25	3.5	12	63;150	ON*						
ATH C1	AirTouch	850	33	1	3	16.53918	unknown	23	19	60.25	3.5	12	63;270	ON*						
ATH C2	AirTouch	850	33	1	3	16.53918	unknown	23	21	60.25	3.5	12	63;270	ON*						
ATH C3	AirTouch	850	33	1	3	16.53918	unknown	23	23	60.25	3.5	12	63;270	ON*						
ATH C4	AirTouch	850	33	1	3	16.53918	unknown	23	25	60.25	3.5	12	63;270	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	



Appendix C

Monitoring Plan

ELECTROMAGNETIC FIELD FORM FOR TOWERS

Surveyor Name: David Saiukele
 Survey Date: July 17, 2012
 Client: Sprint
 Other Carriers Onsite? No

EBI # 621.22926
 Client Site # LA03XC535

Definitions:

Z = height of antenna bottom above NWS
 Azimuth = pointing direction

Tower

Sprint Antennas			
Sector	# Antennas per sector	Z (feet)	Azimuth (°)
A	4	79.2	0
B	4	79.2	110
C	4	79.2	240

Notes -

ELECTROMAGNETIC FIELD FORM FOR TOWERS

MONITOR INFORMATION

Monitor Model #	NBM-520	Probe Model #	
Monitor Serial #	C-0486	Probe Serial #	
Calibration Date	11/18/10	Calibration Date	
Next Recommended Calibration	11/18/12	Next Recommended Calibration	

PROBE INFORMATION

CLIMATE INFORMATION

Temperature (°F)	75
Sunny / Overcast / Cloudy	Sunny
No Wind / Mild Breeze / Windy	No wind

ACCESS INFORMATION

Type of Facility	Tower
Client Contact Information	
Property Owner / Contact Information	Global signal acquisition III
M-RFSC Name	
Who Manages Access (e.g. security, landford, no one)	No one
How is Access Managed? (e.g. lock, sign-in)	Lock

SIGNAGE INFORMATION

Describe all existing signage	Green notice sign at entrance
Describe all installed signage	

NON-PANEL ANTENNA INVENTORY

Antenna Type	Microwave / Yagi / Whip / Patch / Microstrip / Omni / Reflector / UHF / VHF / Other
Quantity	

* mark locations of all antennas on site plan.

Inside Tower Compound / Perimeter

% FCC Occupational MPE
Spatial Averages

Location No.	Location Reference	% Occupational MPE	% General Population MPE
example	A	2.02	10.7
1	A	0.0318	0.1570
2	B	0.0012	0.0070
3			0.0000
4			0.0000
5			0.0000
6			0.0000
7			0.0000
8			0.0000
9			0.0000
10			0.0000

* label on site plan as X.xxx (A) for easy referencing.

Transmitting Direction of Antennas up to 200'

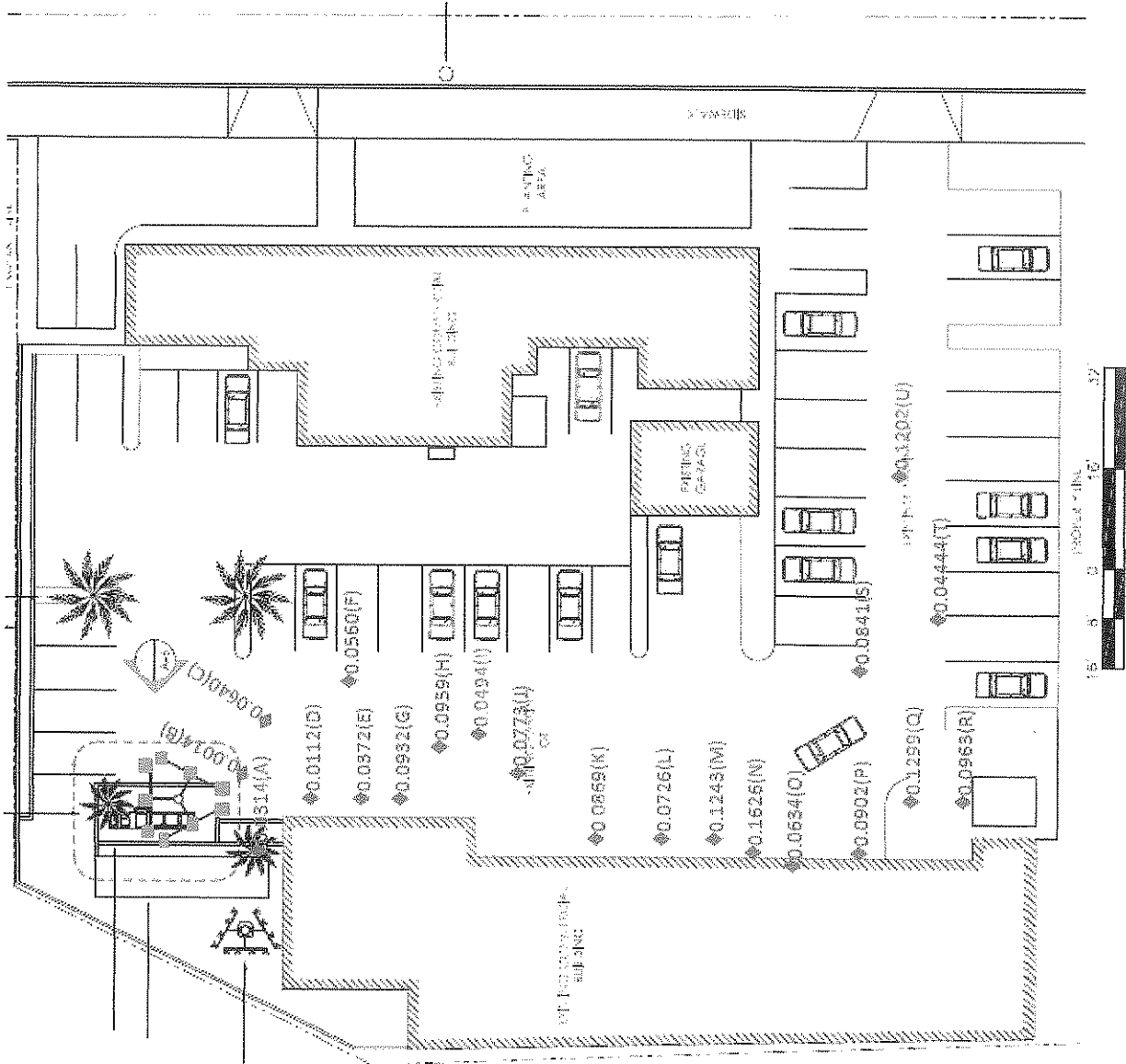
% FCC Occupational MPE
Spatial Averages

Location No.	Location Reference	% Occupational MPE	% General Population MPE
example	10' from tower - Sector A	2.02	10.7
1	C	0.4827	0.3350
2	D	0.0111	0.0110
3	E	0.0111	0.1000
4	F	0.0111	0.7800
5	G	0.0111	0.4600
6	H	0.0111	0.4700
7	I	0.0414	0.2570
8	J	0.0111	0.3800
9	K	0.0111	0.4540
10	L	0.0111	0.3630
11	M	0.1124	0.6210
12	N	0.4427	0.4100
13	O	0.0111	0.0170
14	P	0.0111	0.0110
15	Q	0.1100	0.8400
16	R	0.0100	0.4010
17	S	0.0821	0.4100
18	T	0.0544	0.2220
19	U	0.1200	0.6010
20	V	0.1400	0.7190

* label on site plan as X.xxx (A) for easy referencing.

* take 10-20 readings depending on access / size of site.





LEGEND	
	Sprint Nextel antennas
	Blue numbers are Spatially-Averaged Measurements % FCC Occupational Limit
	Green numbers are Spatially-Averaged Measurements % FCC General Public Limit



• Site overview.



• Sprint Tower(right) and Other unknown carriers Tower(left).



• Sprint Tower(right) and unknown carriers Tower (left) upclose.



• Sprint tower(up close).



• Sprint Sector A antennas (4).



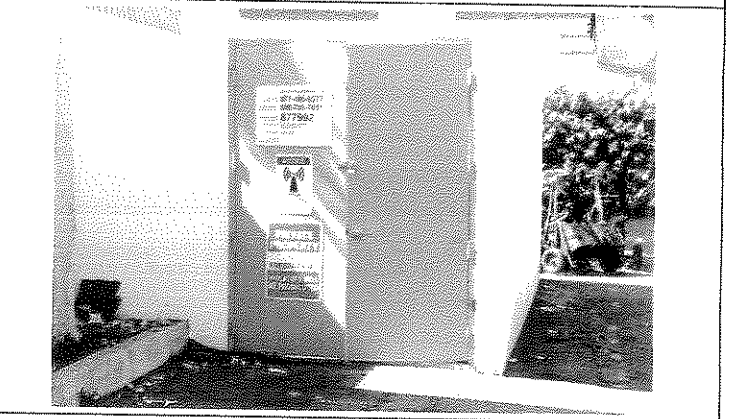
• Sprint Sector B antennas (4)




• Sprint Sector C antennas (4)



• A car shop door near site Entrance



•	Signage
	
•	Towers view from outside the compound.