

CITY OF CULVER CITY

Received: Initials _____ Date _____

Wireless Telecommunications Facility Permit Application

INTRODUCTION

- a. All applicants for a wireless telecommunication facility (“WTF”) permit must complete this application and submit all documentation requested thereunder. A permit is required for all facilities for the provision of wireless services including antennas, poles, towers, cables, and wires.
- b. For all applications, you must submit three (3) copies of this application with exhibits attached, a permit fee and deposit(s).
- c. Submit all application materials in person to the following location:
 - i. City of Culver City – Department of Public Works/Engineering Division
9770 Culver Blvd., Culver City, CA 90232
 - ii. Please call (310) 253-5600 for office hours.

INSTRUCTIONS

- a. Complete the following application in its entirety.
- b. All written responses to the questions below must be typed in 12 point font. Several questions require you to attach as exhibits supplemental documentation and commentary to support your answers below. All your exhibits must be marked as directed in the application. All supporting documentation must be clear and legible. All exhibits must be stapled or bound to the application or properly ordered if the application is submitted electronically.

NOTICE REQUIREMENTS

- a. Compliance with the public noticing requirements of the attached Exhibit A.
- b. Provide proof that all applicable public notices articulated in the CCMC and the noticing policies of the City of Culver City (“City”) have been met.
- d. Provide the City twenty (20) days advance notice of an upcoming shot clock expiration date to provide the City with a final opportunity to approve or deny the application before it is deemed approved.

I. Contact Information

a. Property address (or, if multiple locations are involved, attach list of each location):

b. Assessor's Parcel No(s): N/A Public ROW

c. Applicable homeowner's association: Unknown

d. Contact information for the following:

i. Wireless provider or operator:

(1) Name: T-Mobile West LLC

(2) Street Address: 3257 E. Guasti Rd., Suite 200

(3) City, State & Zip: Ontario, CA 91761

(4) Phone No.: 909-975-3688

(5) Fax No.: _____

(6) Email: jennifer.carney8@T-Mobile.com

ii. Applicant:

(1) Name: Cody Blandino

(2) Street Address: 7543 Woodley Ave

(3) City, State & Zip: Van Nuys, CA 91406

(4) Phone No.: 626-324-4913

(5) Fax No.: _____

(6) Email: cblandino@synergy.cc

(7) Your property interest:

Lease License Ownership

Other: Representative for T-Mobile

(8) Name all parent, subsidiary, or sister companies of the Applicant.

a) _____

b) _____

c) _____

iii. Contractor:

(1) Name: _____

(2) Street Address: _____

(3) City, State & Zip: _____

(4) Phone No.: _____

(5) Fax No.: _____

(6) Email: _____

(7) California State Contractor's License #: _____

iv. **Person most knowledgeable about the proposed project:**

Same as Applicant listed above.

(1) Name: _____

(2) Street Address: _____

(3) City, State & Zip: _____

(4) Phone No.: _____

(5) Fax No.: _____

(6) Email: _____

(7) Contractor license class and number: _____

II. Application Type

For parts (1) – (2), provide a description supporting your selections below. Attach all rules, regulations, agreements, court documents, or other materials on which you base your response. Attach description and supporting documentation marked as Exhibit A.

1. Check the box(es) below that identify the statute(s) you believe govern(s) the application request:
 - a. Section 6409(a) of the Middle Class Tax and Job Creation Act of 2012 for collocation or modification to an existing commission-authorized Wireless Telecommunications service
 - b. Section 332(c)(7) of the Telecommunications Act for the provision of personal wireless telecommunications facilities
 - c. California Government Code Section 65964.1 (AB-57)

2. Check the box below pertaining to the shot clock you believe applies to your application:
 - a. 150 day shot clock for new facilities
 - b. 90 day shot clock for modifications resulting in a substantial change
 - c. 60 days shot clock for modifications that do not result in a substantial change

3. List below the application or permit numbers of all pending applications and permits issued by the City to applicant (or a related company) which relate directly or indirectly to this application. Include the date such permits were filed and issued.
 - a. _____
 - b. _____
 - c. _____

III. Description of Project Coverage and Purpose

1. Provide a narrative description of the project. Your response shall include, but not be limited to, a description of the proposed facility or modification, the anticipated construction activities involved, the maintenance requirements and schedule for the new or modified facility, and the number of antennas to be installed. Provide any supporting documentation regarding the purpose of the project. ***Attach and mark responses and documentation as Exhibit C1.***

2. Check the box below that most accurately identifies the primary purpose of the project:
 - a. Increase network capacity without adding new radio frequency coverage
 - b. Provide significant new radio frequency coverage in areas without radio frequency coverage
 - c. Increase existing radio frequency coverage in area with coverage
 - d. Other: _____

3. Will the applicant use the telecommunications facilities, including cable television facilities requested herein to carry traffic on information for:
 - a. An affiliated company
 - b. Another certificated telephone company
 - c. A competitive access provider
 - d. A cable television or other entertainment company
 - e. Other: _____

4. Will the facilities proposed to be installed by the applicant be used for:
 - a. Cable television or video entertainment services
 - b. An Open Video System under FCC rules
 - c. Any service not authorized by Applicant's California Public Utilities Commission Certificate

5. Is the purpose of the project, in whole or in part, designed to close what you believe to be a "significant gap" in coverage?
 - a. Yes
 - b. No

If you selected "Yes" above, provide a justification study that provides the following:

 - a. A detailed explanation of the coverage gap that the proposed use would serve;
 - b. The rationale for selecting the proposed use;
 - c. An explanation that identifies whether the proposed project is the least intrusive means of closing the significant gap and on what basis the applicant believes the project to be the least intrusive means. ***Attach and mark as Exhibit C2.***

6. Provide three (3) copies of each of the following geographic and propagation maps illustrating the following:
 - a. Geographic boundaries of a significant gap in coverage, if applicable.
 - b. The proposed site that identifies the location of existing wireless telecommunications facilities owned and/or operated by the applicant.
 - c. Location of the proposed facility in relation to all existing and planned facilities maintained within the City by the applicant, operator, and owner, if different

- entities.
 - d. Existing network or radio frequency coverage.
 - e. Proposed radio frequency coverage. ***Attach and mark as Exhibit C3.***
7. Provide a description identifying the geographic service area for the subject installation. ***Attach and mark as Exhibit C4.***

IV. Project Location and Authorizations

1. If the facility will be sited in the PROW, state or provide the following:
 - a. Your authority to locate the facility in the PROW (state law, federal law, or franchise agreement); ***Attach and mark as Exhibit D1a.***
 - b. If applicable, include a copy of the certificate of public convenience and necessity (CPCN). ***Attach and mark as Exhibit D1b;***
 - c. Whether a new pole (that is not replacing an existing pole) in an otherwise permitted location is proposed. If so, provide a new pole justification analysis to demonstrate why existing infrastructure cannot be utilized and how the new pole is the least intrusive means possible; ***Attach and mark as Exhibit D1c.***
2. If the facility will be co-located on a structure owned by someone other than the owner of the proposed installation provide:
 - a. Written authorization by any and all property owners authorizing the placement of the facility on or in the property owner's property. ***Attach and mark as Exhibit D2.***
3. If applicable, provide the following letter(s) of authorization to collocate, modify, or provide services:
 - a. If the applicant is an agent, provide a letter of authorization from the owner of the facility. ***Attach and mark as Exhibit D3a.***
 - b. If the owner will not directly provide wireless telecommunications services, provide a letter of authorization from the person or entity that will provide those services. ***Attach and mark as Exhibit D3b.***
4. Are you willing to share facilities if approached by a qualified company? If so, provide a description of your willingness to share facilities. Specify whether (1) you would be willing to share an available conduit or inner duct, fiber strands in a fiber cable, splice boxes, or trenching costs in a joint construction project; (2) you reviewed pending applications or recently granted permits in the City for opportunities to share facilities. ***Attach and mark as Exhibit D4.***
5. In areas where it would minimize the impact on residents and business, will you be using directional boring? If not, why not. ***Attach and mark as Exhibit D5.***

V. Radio Frequency (“RF”) Emissions and Monitoring Requirements

1. Provide proof or certification of completion of the RF emissions exposure guidelines checklist contained in Appendix A to the Federal Communications Commission’s (“FCC”) “Local Government Official’s Guide to Transmitting Antenna RF Emission Safety”. ***Attach and mark as Exhibit E.*** The Guide can be found at: http://wireless.fcc.gov/siting/FCC_LSGAC_RF_Guide.pdf.
2. Pursuant to the completed checklist referenced above, will the facility be “categorically excluded” under the FCC regulations for RF emissions?
 - a. Yes
 - b. No

If you selected “No” above, provide a technically detailed report certified by a qualified radio frequency engineer indicating the following:

- i. The amount of RF emissions expected from the proposed facility;
- ii. The associated accessory equipment required;
- iii. The cumulative impacts of the other existing facilities at the site to the extent permitted by federal law, including co-located facilities;
- iv. That the proposed facility individually or combined with the cumulative emissions of on-site facilities will not exceed applicable standards set by the FCC.

VI. Engineering Plans for the Facility and Equipment

Submit one (1) electronic copy and three (3) hard copies of stamped detailed engineering plans of the proposed facility and related reports prepared and signed by a professional engineer registered in the state of California documenting the following:

1. Height, diameter, design of the facility, including technical engineering specifications, economic and other pertinent factors governing selection of the proposed design, together with evidence that demonstrates that the proposed facility has been designed to the minimum height and diameter required from a technological standpoint for the proposed site. Additionally, describe the conduit(s) that will be installed as part of the proposed construction, including the size, number of conduits, nature of inner duct (if any), material (HPDE, PVC, etc.), and manufacturer. ***Attach and mark as Exhibit F1.***
2. A cross-section of the tower structure. ***Attach and mark as Exhibit F2.***
3. A photograph and model name and number of each piece of equipment included. ***Attach and mark as Exhibit F3.***
4. Power output and operating frequency for the proposed antenna. ***Attach and mark as Exhibit F4.***
5. Total anticipated capacity of the structure, indicating the number and types of antennas and power and frequency ranges, which can be accommodated. ***Attach and mark as Exhibit F5.***
6. Structural calculation demonstrating the structural integrity of the proposed facility. ***Attach and mark as Exhibit F6.***
7. Wind velocity test. An evaluation of high wind load capacity shall include the impact of a modification to an existing facility. ***Attach and mark as Exhibit F7.***
8. Seismic analysis. ***Attach and mark as Exhibit F8.***

VII. Site Plans

1. ***Attach the following documentation or information:***

- a. One (1) electronic copy and three (3) hard copies of the site plans to scale in compliance with City requirements including, but not limited to, the requirements contained in the CCMC. ***Attach and mark as Exhibit H1a.***
 - i. The site plans must at minimum include:
 - (1) The location and dimensions of the existing facility and maximum height above ground of the facility;
 - (2) The benchmarks and data used for elevations;
 - (3) The location of existing accessways and the location and design for all proposed accessways;
 - (4) The exact proposed location of the pole, antennas, accessory equipment, and landscaped areas;
 - (5) The location of existing utilities and adjacent land uses;
 - (6) The design of the facility, including the specific type of support structure, type, location, size, height, and configuration of applicant's existing and proposed facilities;
 - (7) If applicable, the method by which an antenna will be attached to the mounting structure.
 - (8) The location of the overhead plant that will be installed, even if it is not subject to this application
- b. Three (3) copies of the Master Plan of all existing and proposed facilities. The Master Plan shall reflect all locations anticipated for new construction and/or modifications to existing facilities, including collocation, that are anticipated to be installed within the next two years from submittal of this application. ***Attach and mark as Exhibit H1b.***
- c. If applicable, three (3) copies of the scaled conceptual landscape plan showing existing trees and vegetation and all proposed landscaping, concealment, screening and proposed irrigation. Provide a description of how the chosen material at maturity will screen the site. ***Attach and mark as Exhibit H1c.***
- d. Three (3) sets of scaled and dimensioned photo simulations of the before and after images of the project and project site from at least three (3) different angles and three (3) sets of an accurate visual impact analysis showing the maximum silhouette, viewshed analysis, color and finish palette and proposed screening for the facility. ***Attach and mark as Exhibit H1d.***

VIII. Alternative Sites

1. List a minimum of three (3) alternative sites for the proposed project, including at least one (1) collocated site.

a. **Alternative 1:**

- i. Address of property: _____
- ii. Property owner(s) name(s): _____
 - (1) Address: _____
 - (2) Telephone number: _____
- iii. Zoning designation: _____
- iv. General Plan designation: _____
- v. Explanation of why Alternative 1 is inferior to proposed project.

Attach and mark as Exhibit I1.

b. **Alternative 2:**

- i. Address of property: _____
- ii. Property owner(s) name(s): _____
 - (1) Address: _____
 - (2) Telephone number: _____
- iii. Zoning designation: _____
- iv. General Plan designation: _____
- v. Explanation of why Alternative 2 is inferior to proposed project.

Attach and mark as Exhibit I2.

c. **Alternative 3:** (Must be a collocated site.)

- i. Address of property: _____
- ii. Description of existing installation: _____
- iii. Property owner(s) name(s): _____
 - (1) Address: _____
 - (2) Telephone number: _____
- iv. Zoning designation: _____
- v. General Plan designation: _____
- vi. Explanation of why Alternative 3 is inferior to proposed project.

Attach and mark as Exhibit I3.

IX. Anticipated Impacts and Other Confounding Factors

Provide descriptions, commentary, and supporting documentation relating to the following:

1. A noise study prepared by a qualified acoustic engineer documenting that the level of noise to be emitted by the proposed facility will comply with the CCMC. ***Attach and mark as Exhibit J1.***
2. If needed, a completed environmental assessment. ***Attach and mark the as Exhibit J2.***
3. Historic preservation review. ***Attach and mark the application as Exhibit J3.***
4. A construction traffic control plan if the proposed installation is to be sited on any street in a non-residential zone. ***Attach and mark as Exhibit J4.***

X. Other Requirements

1. All other documentation certifying that all applicable licenses or other approvals required by the FCC have been obtained to provide the services proposed in connection with the application. ***Attach and mark as Exhibit K1.***
2. Any copies of all documents the applicant is required to file pursuant to the Federal Aviation Administration regulations for the facility. ***Attach and mark as Exhibit K2.***
3. All other documentation required by the CCMC. ***Attach and mark as Exhibit K3.***

XI. Exceptions to the Application Requirements

1. Do you believe you are entitled to an exception to the requirement(s) of this application, including, but not limited to, exceptions from findings that would otherwise justify denial?
 - a. Yes
 - b. No
2. If you selected "Yes" above, provide all information and studies necessary for the City to evaluate a request for an exception to the requirements of this application. The narrative must demonstrate with clear and convincing evidence that denial of the facility would violate state and/or federal law, violate any applicable provision of the Culver City Municipal Code or deprive the applicant of its rights under state and/or federal law. ***Attach and mark as Exhibit L.***

XII. Supplemental Materials for Projects Subject to 6409

You must complete this section if you selected the box in Section II titled “Application Type” that indicates your project is subject to 6409. For parts (1) – (6), provide a narrative description and any supporting documentation for the selections you make below. ***Attach and mark as Exhibit M.***

1. Is the application for an eligible facilities request?
 - a. Yes
 - b. No

2. Will the proposed project cause a substantial change in the physical dimension of the structure?
 - a. Yes
 - b. No

3. Does the structure at issue involve an existing wireless tower or base station?
 - a. Yes
 - b. No

4. Check the box(es) below that are applicable to your project:
 - a. Allocation of new transmission equipment
 - b. Removal of transmission equipment
 - c. Replacement of transmission equipment

5. If your project does not involve excavation, tower installation, or tower modification in the PROW, answer the following questions:
 - a. Does the project propose a height increase of less than 10% or no more than one additional antenna not more than 20 feet in height (whichever is greater)?
 - b. Does the project propose a width increase of less than 20 feet?
 - c. Will the project require excavation near the ground-mounted equipment?
 - d. Will the project preserve all existing concealment elements of the current tower or base station?
 - e. Will the proposed collocation preserve all prior conditions of approval that do not conflict with FCC regulations for a substantial change?
 - f. Does the project propose adding four or fewer additional equipment cabinets?

6. If your project involves excavation, tower or base station installation, or tower or base station modification in the PROW, answer the following questions:
 - a. Does the project propose a height increase of less than 10% or 10 feet (whichever is greater)?
 - Yes
 - No

- b. Does the project propose a width increase of less than 6 feet?
 Yes
 No
- c. Does the project propose excavation entirely within the anticipated lease area of private property?
 Yes
 No
- d. Will the project preserve all existing concealment elements of the current tower or base station?
 Yes
 No
- e. Will the proposed collocation preserve all prior conditions of approval that do not conflict with FCC regulations for a substantial change?
 Yes
 No
- f. Does the project propose adding four or fewer additional equipment cabinets?
 Yes
 No

XIII. Certification

Applicant agrees to comply with the City's land use and planning process (including public notification) for the location of any structures or facilities to be placed in or adjacent to the City's public rights-of-way. The applicant further agrees to provide all necessary information requested by the City including required documentation to conduct applicable CEQA review.

Signed under penalty of perjury, this 29 day of September, 2016.

Applicant Name (owner of the facilities): T-Mobile

Printed Name of Authorized Representative: Cody Blandino

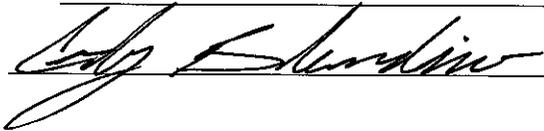
Signature of Authorized Representative: 

Exhibit "A"
Notice Requirements
for
Wireless Telecommunications Facilities Permits

All applicants for Wireless Telecommunications Facilities permits shall comply with the following notice requirements:

1. Notice of the applicant's pending application shall be mailed, by the applicant, at least 5 days prior to any installation, to the owners and occupants of all property within a 300 foot radius of each of the proposed wireless facilities; provided, however, that the Director of Public Works has the discretion to require that applicants send notices beyond this minimum mailing area.
2. The contents of the mailed notice shall include, at a minimum:
 - a. A description of the location of each proposed wireless facility with sufficient specificity to allow notice recipients to be able to locate the involved location without requiring any additional information
 - b. Photo simulations of the proposed installation
 - c. The manner in which additional information may be obtained
 - d. Any other information deemed necessary by the Director of Public Works or his/her designee
3. The applicant shall also post the notice in compliance with the following specifications:
 - a. In a conspicuous place at the location of the proposed wireless facility and at least 21 days prior to any construction or installation.
 - b. Be 12 square feet in sign area
 - c. A minimum of 4 feet in height from the ground level with a maximum height of 8 feet
 - d. Not be illuminated
 - e. Include the name and telephone number of the applicant
 - f. Include the telephone number of the Public Works Department
 - g. Contain only lettering whose size, style and color have been approved by the Director of Public Works
 - h. Include photo simulations of the proposed wireless facility
 - i. Remain in place until completion of construction and final approval by the City
 - j. Be removed, by the applicant, no later than 10 days after completion of construction and final approval of the project by Culver City
4. Submit to the Director of Public Works an affidavit verifying that the applicant has mailed and posted notices in full compliance with these notice requirements

CITY OF Culver City
PROPOSED T-Mobile Wireless Facility

PROJECT OVERVIEW:

T-Mobile is proposing to install new cell wireless telecommunications facilities to serve surrounding residential uses and businesses in the City of Culver City and within County of Los Angeles. These low-profile public right of way pole installation's offer less intrusive solutions than macro facilities to address T-Mobile's significant service coverage gap in this portion of the City. This technology is much smaller than traditional cell towers and rooftop antenna facilities with attachments that are smaller than the transformers and cable boxes routinely attached to existing poles today. Thus, making them most likely unrecognizable as wireless equipment to the average citizen.

Customer needs require that T-Mobiles design and maintain its network so that customers experience average data rates sufficient to stream video. Any areas that do not meet this minimal standard represent a service coverage gap that must be closed. Specifically, this project will help close a significant service coverage gap by providing wireless telecommunications services and faster data rates in this portion of the City.

T-Mobiles City of Culver City proposed project will involve placement of antennas and associated equipment on a proposed slimline pole within the City, within the public right of way. Each site has a coverage radius of a few hundred feet and works in combination with the other existing T-Mobile wireless telecommunications facilities to operate a network to provide the necessary wireless services. The proposed facility is the best available and least intrusive means to help close T-Mobiles significant service coverage gap in this portion of the City by providing service coverage to businesses in the area, and providing sufficient throughput data rates to meet customer demands.

The (3) proposed antennas are placed on the pole inside a radome with the proposed top of pole height measuring 40' (above ground height). The proposed ground mount equipment will include (1) equipment cabinet and (1) power meter pedestal all within the public right of way.

EQUIPMENT Details:

T-Mobile facility will consist of (3) antenna's (56.6" H x 12.9" W x 8.7" D), (1) ground mounted cabinet (57" H x 51.18" W x 27.5" D), (1) Power meter pedestal (48" H x 16.25" W x 17" D) Antennas and equipment boxes can be painted to match the utility poles or surrounding area. The sites are unmanned and require minimal maintenance, with one or two annual inspections.

COMPLIANCE WITH FCC RULES FOR RADIO FREQUENCY:

T-Mobile ensures that all its cell sites meet FCC rules for radio frequency exposure. The transmit power levels emitted by cell installations drop off rapidly by the distance to accessible areas beneath the antennas and produce exposure levels well below the FCC's maximum permissible exposure (MPE) levels for the general population (GP). At the physical antenna levels, appropriate precautions, such as warning signs and labels, are used to protect workers ensuring that exposure in those areas don't exceed the FCC's MPE limits.



CODY BLANDINO



7543 Woodley St., Suite #201
Van Nuys, CA 91406
(626) 324-4913
cblandino@synergy.cc



June 27, 2017

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Supporting “Significant Gap” Justification and Commentary
T-Mobile LA33664E – W/O 10875 Culver Blvd**

To Whom It May Concern:

Is the purpose of the project, in whole or in part, designed to close what you believe to be a “Significant Gap” in coverage? **Yes**

- a. A detailed explanation of the coverage gap that the proposed use would serve.

T-Mobile is a public utility, licensed and regulated by the State Public Utilities Commission (PUC) and the Federal Communications Commission (FCC), providing a wireless communication network for consumer and business customers, as well as public emergency services. The proposed placement location will provide an integral link in T-Mobile’s Los Angeles County network, providing coverage along Culver Blvd. and most of the nearby community, as well as off-load surrounding sites. At present, T-Mobile is experiencing coverage problems, as well as problems with capacity, in the surrounding area in regards to the new 4G technology.

- b. The rationale for selecting the proposed use.

- **Alternative emergency response communications for police, fire, paramedics and other emergency services.**
- **Better voice and reception quality through use of enhanced digital technologies.**
- **Higher security and privacy for telephone users.**
- **Broadband data services for high speed data applications used in mobile devices such as PDAs and laptops.**
- **More affordable service due to increased competition in the market area.**

- c. An explanation that identifies whether the proposed project is the least intrusive means of closing the significant gap and on what basis the applicant believes the project to be the least intrusive means.

T-Mobile’s existing unmanned wireless telecommunications facility meets all of the requirements set forth in the City of Culver City Municipal Code. The existing facility is located in the public right-of-way. T-Mobile is able to meet network capacity objectives by adding a new facility,

If you should have any additional questions or concerns, please don't hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino', enclosed within a light gray rectangular border.

Cody Blandino | *Permit Coordinator*

Synergy Engineering Services, Inc.

7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406

c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc



September 27, 2017

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

**Re: Identifying Geographic Service Area
T-Mobile LA33664E – W/O 10875 Culver Blvd**

To Whom It May Concern:

Provide a description identifying the geographic service area for the subject installation:

The area surrounding T-Mobile’s existing wireless telecommunications facility (WTF) contain primarily flat land, with a few slight slopes. The area is undisturbed and covered with native vegetation, but no native vegetation exists within the dirt/grass parkway surrounding the existing WTF. The wildlife is typical of wildlife located in the area. However, there are no known protected species in the surrounding area. There are no surface waters in the immediate area and there are no known cultural/historical resources in the surrounding area.

If you should have any additional questions or concerns, please don’t hesitate to contact me directly.

Respectfully,

A handwritten signature in black ink, appearing to read 'Cody Blandino', with a stylized flourish at the end.

Cody Blandino | *Permit Coordinator*
Synergy Engineering Services, Inc.
7543 Woodley Avenue, Suite 201 | Van Nuys, CA 91406
c: 626.324.4913 | f: 818.840.0708 | e: cblandino@synergy.cc

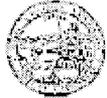
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STATE OF CALIFORNIA

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3255

GRAY DAVIS, Governor



June 10, 2002

Omnipoint Communications, Inc.
Attn: Christopher Johnson, Sr. Manager
12920 SE 38th Street
Bellevue, WA 98006

Re: Wireless Identification Number (U-3056-C) Omnipoint Communications, Inc. d/b/a T-Mobile.

Dear Mr. Johnson:

This is to notify you that the information provided to the Telecommunications Division in a letter received June 10, 2002, meets the information filing requirements for Wireless Registration Identification (WRI) in Decision 94-10-031 as modified by Decision 94-12-042. Your corporate identification number is U-3056-C. Omnipoint Communications, Inc. may begin to provide facilities-based wireless service to the public in California.

In all respects except authorization for market entry and rates, the authority of the Commission to regulate terms and conditions of newly registered wireless carriers shall apply to the same extent as those holding certificates of CPCN prior to August 10, 1994. Specifically this includes, but is not limited to the following requirements:

1. The corporate identification number assigned to applicant is U-3056-C, which should be included in the caption of all original filings with this Commission and in the titles of other pleadings filed in existing cases.
2. Applicant shall notify the Director of the Telecommunications Division in writing of the date service is first rendered to the public as authorized herein, within five days after service begins.
3. Applicant shall be granted a waiver of P.U. Code sections 816-830 and 851-855, consistent with Decisions 85-07-081 and 85-11-044.
4. Applicant shall comply with General Order 159-A and D. 96-05-035, as they pertain to cell siting or to a Mobile Telephone Switching Office.
5. Applicant is subject to the current 1.45% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the Universal Lifeline Telephone Service (Pub. Util. Code Section 879; Resolution T-16435, July 1, 2001).
6. Applicant is subject to the user fee provided in Pub. Util. Code Sections 431-435, which is 0.11% of gross intrastate revenue for the 2000-2001 fiscal year (Resolution M-4800).

2012 7101

7. Applicant is subject to the current 0.481% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the California Relay Service and Communications Devices Fund (Pub. Util. Code Section 2881; D.98-12-073 and Resolution T-16504, March 27, 2001).
8. Applicant is subject to the current surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the California High Cost Fund-A (Pub. Util. Code Section 739.30; D.96-10-066, pp.3-4, App. B, Rule 1.C; set by Resolution T-16589 at 0.300% effective January 1, 2002).
9. Applicant is subject to the current 1.47% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the California High Cost Fund-B (D.96-10-066, p. 191, App. B, Rule 6.F., Resolution T-16585, October 10, 2001).
10. Applicant is subject to the current 0.300% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the California Teleconnect Fund (D.96-10-066, p. 88, App. B, Rule 8.G; set by Resolution T-16584, October 10, 2001).
11. All surcharges shall be shown as a single item on a customer's bill.
12. The corporate identity number and authority to render cellular service will expire if not exercised within 12 months after the date of this letter.
13. Within 60 days of the issuance of a Wireless registration Identification number, applicant shall comply with PU Code Section 708, Employee Identification Cards, and notify, in writing that compliance has been met, to the Chief of the Telecommunications Division.
14. If applicant fails to remit the fees discussed above, then the Telecommunications Division shall prepare a Commission resolution that revokes the applicant's Wireless Identification Number for Commission approval.
15. Applicant is subject to the jurisdiction of the Commission for the resolution of customer complaints. Prior to initiating service, applicant shall provide the Commission Consumer Service Division with the designated contact person(s) for purpose of resolving consumer complaints and the corresponding telephone number. This information shall be updated if the name or telephone number changes or at least annually.
16. Applicant shall notify the Telecommunications Division in writing of any changes to the information it submitted for wireless registration within 30 days. Such information does not have to be served on competitors, cities and counties.

Sincerely,

Jack Lanza, Director
Telecommunications Division

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



To: CMSR Registration Applicant

Subject: Information Required to Obtain Wireless Identification Registration (WIR) Number (U Number).

Dear Applicant,

For your information, Commission Decision 94-10-031, (issued on October 12, 1994) established a wireless registration process for all Commercial Mobile Radiotelephone Services (CMRS) providers within California. The Commission has eliminated the Certificate of Public Necessity and Convenience (CPCN) for all CMRS providers. This policy change is a result of action by Congress in the Omnibus Budget Reconciliation Act of 1993, which removed states authority to regulate entry and rates of CMRS providers effective August 10, 1994.

In lieu of the CPCN, the Commission now requires CMRS providers who did not hold a CPCN prior to August 10, 1994, and who intend to offer intrastate wireless telecommunications services within California, to file a Wireless Identification Registration containing the following information concurrent with undertaking such service. This information must be on company letterhead, type of service to be offered, and signed by at least one officer of the company.

1. The legal name of the business offering such service.
2. Any fictitious or other names under which such service will be offered.
3. The local business address for the utility, if any.
4. The home office business address if different than the local business address.
5. The name and address of the designated agent for service of process.
6. Name, title, address, and telephone number of the person to be contacted regarding the reported information.
7. The identity of the directors and principal officers of the business.
8. Names of all affiliated companies and their relationship, indicating if the affiliate is a regulated public utility.
9. Telephone numbers to which service or other customer complaints should be directed.

The information should be filed with the Telecommunications Division. Service can be commenced upon receiving the WIN from the CPUC. You should receive a WIN within a few days after the Commission receives the registration information.

Within 30 days of a change in the status of any of the information items listed above, the carrier shall notify the Telecommunications Division of such change in writing.

If you have questions or need further clarification please call Rudy Sastra at (415) 703-2673.

Sincerely,

Jack Leutza, Director
Telecommunications Division

PLEASE SEND THIS INFORMATION TO:

Rudy Sastra
Carrier Branch
Telecommunications Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102
(415) 703-2673



September 27, 2017

City of Culver City – City Hall
9770 Culver Blvd.
Culver City, CA. 90232

Re: Letter of Authorization
T-Mobile LA33664E – W/O 10875 Culver Blvd

To Whom It May Concern:

This letter authorizes Luke Snyder and Cody Blandino of Synergy Engineering Services, Inc., to be an authorized agent and take all necessary actions to apply for and obtain land use entitlements on behalf of T-Mobile West LLC.

If you should have any questions, comments or concerns, please don't hesitate to contact me directly at (909) 975-3688.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jennifer Carney', written over a horizontal blue line.

Jennifer Carney
Project Manager

APPENDIX A

*Optional Checklist for Determination
Of Whether a Facility is Categorically Excluded*

**Optional Checklist for Local Government
To Determine Whether a Facility is Categorically Excluded**

Purpose: The FCC has determined that many wireless facilities are unlikely to cause human exposures in excess of RF exposure guidelines. Operators of those facilities are exempt from routinely having to determine their compliance. These facilities are termed "categorically excluded." Section 1.1307(b)(1) of the Commission's rules defines those categorically excluded facilities. This checklist will assist state and local government agencies in identifying those wireless facilities that are categorically excluded, and thus are highly unlikely to cause exposure in excess of the FCC's guidelines. Provision of the information identified on this checklist may also assist FCC staff in evaluating any inquiry regarding a facility's compliance with the RF exposure guidelines.

BACKGROUND INFORMATION

1. Facility Operator's Legal Name: T-Mobile West LLC
2. Facility Operator's Mailing Address: 3257 E. Guasti Rd., Suite 200
3. Facility Operator's Contact Name/Title: Jennifer Carney / Project Manager
4. Facility Operator's Office Telephone: 909-975-3688
5. Facility Operator's Fax: none
6. Facility Name: Culver ROW
7. Facility Address: W/O 10876 Culver Blvd Culver City, CA 90230.
8. Facility City/Community: City of Culver City
9. Facility State and Zip Code: CA, 90230
10. Latitude: 34.010656 N
11. Longitude: -118.405506W

continue
→

Optional Local Government Checklist (page 2)

EVALUATION OF CATEGORICAL EXCLUSION

12. Licensed Radio Service (see attached Table 1): PCS Telephone
13. Structure Type (free-standing or building/roof-mounted): Free-standing
14. Antenna Type [omnidirectional or directional (includes sectored)]: Directional/Sectored
15. Height above ground of the lowest point of the antenna (in meters): 10 meters
16. Check if all of the following are true:
- This facility will be operated in the Multipoint Distribution Service, Paging and Radiotelephone Service, Cellular Radiotelephone Service, Narrowband or Broadband Personal Communications Service, Private Land Mobile Radio Services Paging Operations, Private Land Mobile Radio Service Specialized Mobile Radio, Local Multipoint Distribution Service, or service regulated under Part 74, Subpart I (see question 12).
 - This facility will not be mounted on a building (see question 13).
 - The lowest point of the antenna will be at least 10 meters above the ground (see question 15).

If box 16 is checked, this facility is categorically excluded and is unlikely to cause exposure in excess of the FCC's guidelines. The remainder of the checklist need not be completed. If box 16 is not checked, continue to question 17.

17. Enter the power threshold for categorical exclusion for this service from the attached Table 1 in watts ERP or EIRP* (note: $EIRP = (1.64) \times ERP$): >2000 ERP
18. Enter the total number of channels if this will be an omnidirectional antenna, or the maximum number of channels in any sector if this will be a sectored antenna:
19. Enter the ERP or EIRP per channel (using the same units as in question 17): 200W per sector
20. Multiply answer 18 by answer 19: 400W
21. Is the answer to question 20 less than or equal to the value from question 17 (yes or no)? ___

If the answer to question 21 is YES, this facility is categorically excluded. It is unlikely to cause exposure in excess of the FCC's guidelines.

If the answer to question 21 is NO, this facility is not categorically excluded. Further investigation may be appropriate to verify whether the facility may cause exposure in excess of the FCC's guidelines.

*"ERP" means "effective radiated power" and "EIRP" means "effective isotropic radiated power"

TABLE 1: TRANSMITTERS, FACILITIES AND OPERATIONS SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION

SERVICE (TITLE 47 CFR RULE PART)	EVALUATION REQUIRED IF:
Experimental Radio Services (part 5)	power > 100 W ERP (164 W EIRP)
Multipoint Distribution Service (subpart K of part 21)	<u>non-building-mounted antennas</u> : height above ground level to lowest point of antenna < 10 m <u>and</u> power > 1640 W EIRP <u>building-mounted antennas</u> : power > 1640 W EIRP
Paging and Radiotelephone Service (subpart E of part 22)	<u>non-building-mounted antennas</u> : height above ground level to lowest point of antenna < 10 m <u>and</u> power > 1000 W ERP (1640 W EIRP) <u>building-mounted antennas</u> : power > 1000 W ERP (1640 W EIRP)
Cellular Radiotelephone Service (subpart H of part 22)	<u>non-building-mounted antennas</u> : height above ground level to lowest point of antenna < 10 m <u>and</u> total power of all channels > 1000 W ERP (1640 W EIRP) <u>building-mounted antennas</u> : total power of all channels > 1000 W ERP (1640 W EIRP)

TABLE 1 (cont.)

SERVICE (TITLE 47 CFR RULE PART)	EVALUATION REQUIRED IF:
Personal Communications Services (part 24)	(1) Narrowband PCS (subpart D): <u>non-building-mounted antennas</u> : height above ground level to lowest point of antenna < 10 m <u>and</u> total power of all channels > 1000 W ERP (1640 W EIRP) <u>building-mounted antennas</u> : total power of all channels > 1000 W ERP (1640 W EIRP) (2) Broadband PCS (subpart E): <u>non-building-mounted antennas</u> : height above ground level to lowest point of antenna < 10 m <u>and</u> total power of all channels > 2000 W ERP (3280 W EIRP) <u>building-mounted antennas</u> : total power of all channels > 2000 W ERP (3280 W EIRP)
Satellite Communications (part 25)	all included
General Wireless Communications Service (part 26)	total power of all channels > 1640 W EIRP
Wireless Communications Service (part 27)	total power of all channels > 1640 W EIRP
Radio Broadcast Services (part 73)	all included

TABLE 1 (cont.)

SERVICE (TITLE 47 CFR RULE PART)	EVALUATION REQUIRED IF:
<p>Experimental, auxiliary, and special broadcast and other program distributional services (part 74)</p>	<p>subparts A, G, L: power > 100 W ERP</p> <p>subpart I: <u>non-building-mounted antennas</u>: height above ground level to lowest point of antenna < 10 m <u>and</u> power > 1640 W EIRP <u>building-mounted antennas</u>: power > 1640 W EIRP</p>
<p>Stations in the Maritime Services (part 80)</p>	<p>ship earth stations only</p>
<p>Private Land Mobile Radio Services Paging Operations (part 90)</p>	<p><u>non-building-mounted antennas</u>: height above ground level to lowest point of antenna < 10 m <u>and</u> power > 1000 W ERP (1640 W EIRP) <u>building-mounted antennas</u>: power > 1000 W ERP (1640 W EIRP)</p>
<p>Private Land Mobile Radio Services Specialized Mobile Radio (part 90)</p>	<p><u>non-building-mounted antennas</u>: height above ground level to lowest point of antenna < 10 m <u>and</u> total power of all channels > 1000 W ERP (1640 W EIRP) <u>building-mounted antennas</u>: total power of all channels > 1000 W ERP (1640 W EIRP)</p>

TABLE 1 (cont.)

SERVICE (TITLE 47 CFR RULE PART)	EVALUATION REQUIRED IF:
Amateur Radio Service (part 97)	transmitter output power > levels specified in § 97.13(c)(1) of this chapter
Local Multipoint Distribution Service (subpart L of part 101)	<p><u>non-building-mounted antennas</u>: height above ground level to lowest point of antenna < 10 m <u>and</u> power > 1640 W EIRP</p> <p><u>building-mounted antennas</u>: power > 1640 W EIRP</p> <p>LMDS licensees are required to attach a label to subscriber transceiver antennas that: (1) provides adequate notice regarding potential radiofrequency safety hazards, <i>e.g.</i>, information regarding the safe minimum separation distance required between users and transceiver antennas; and (2) references the applicable FCC-adopted limits for radiofrequency exposure specified in § 1.1310 of this chapter.</p>

APPENDIX B

*Estimated "Worst Case" Distances that Should be Maintained from
Single Cellular, PCS, and Paging Base Station Antennas*

Table B1-1. Estimated "worst case" horizontal* distances that should be maintained from a single, omni-directional, **cellular base-station** antenna to meet FCC RF exposure guidelines

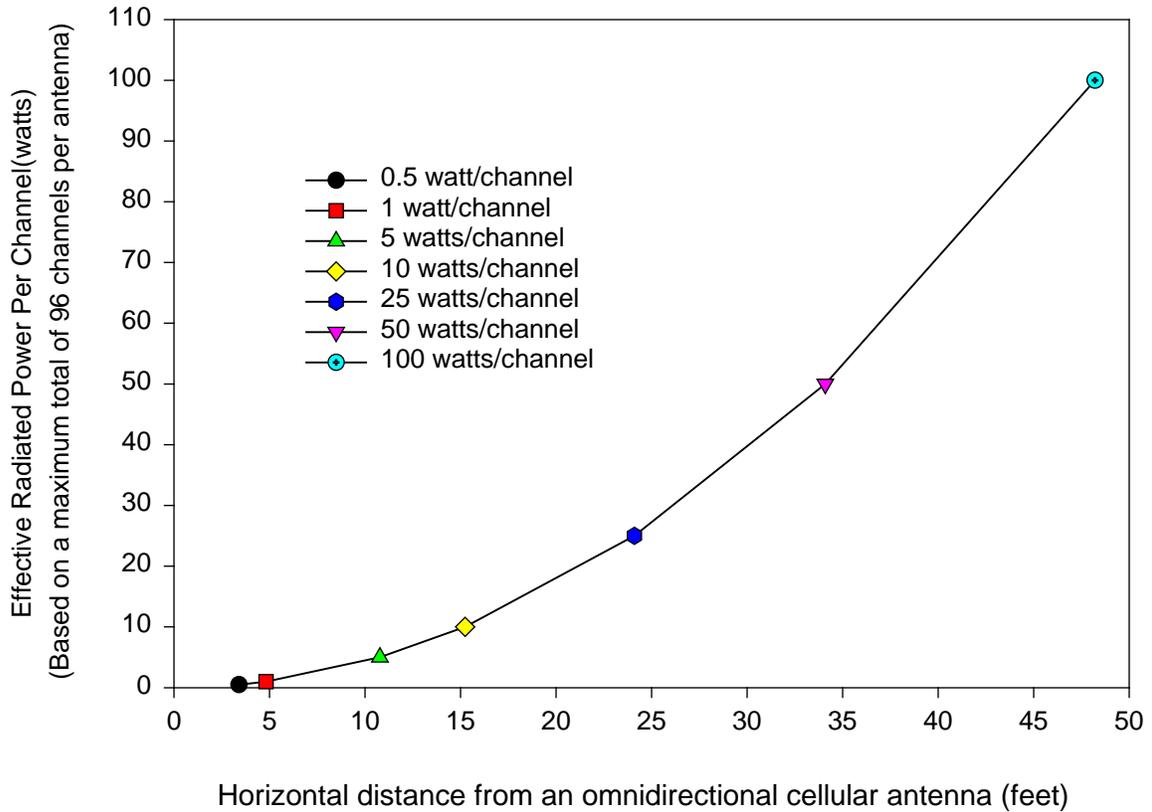
Effective Radiated Power (watts) per channel based on maximum total of 96 channels per antenna	Effective Isotropic Radiated Power (watts) per channel based on a maximum total of 96 channels per antenna	Horizontal* distance (feet) that should be maintained from a single omni-directional cellular antenna
0.5	0.82	3.4
1	1.6	4.8
5	8.2	10.8
10	16.4	15.2
25	41	24.1
50	82	34.1
100	164	48.2

For intermediate values not shown on this table, please refer to the Figure B1-1

*These distances are based on exposure at same level as the antenna, for example, on a rooftop or in a building directly across from and at the same height as the antenna.

Note: These estimates are worst case, assuming an omnidirectional antenna using 96 channels. If the systems are using fewer channels, the actual horizontal distances that must be maintained will be less. Cellular omnidirectional antennas transmit more or less equally from the antenna in all horizontal directions and transmit relatively little energy directly toward the ground. Therefore, these distances are even more conservative for “non-horizontal” distances, for example, distances directly below an antenna.

Figure B1-1. Estimated "worst case" horizontal* distances that should be maintained from a single omni-directional **cellular base station** antenna to meet FCC RF exposure guidelines



* These distances are based on exposure at same level as antenna, for example, on a rooftop or in a building directly across from and at the same height as the antenna.

Note: These estimates are worst case, assuming an omnidirectional antenna using 96 channels. If the systems are using fewer channels, the actual horizontal distances that must be maintained will be less. Cellular omnidirectional antennas transmit more or less equally from the antenna in all horizontal directions and transmit relatively little energy directly toward the ground.

Table B1-2. Estimated "worst case" horizontal* distances that should be maintained from a single, sectorized, **cellular base-station** antenna to meet FCC RF exposure guidelines

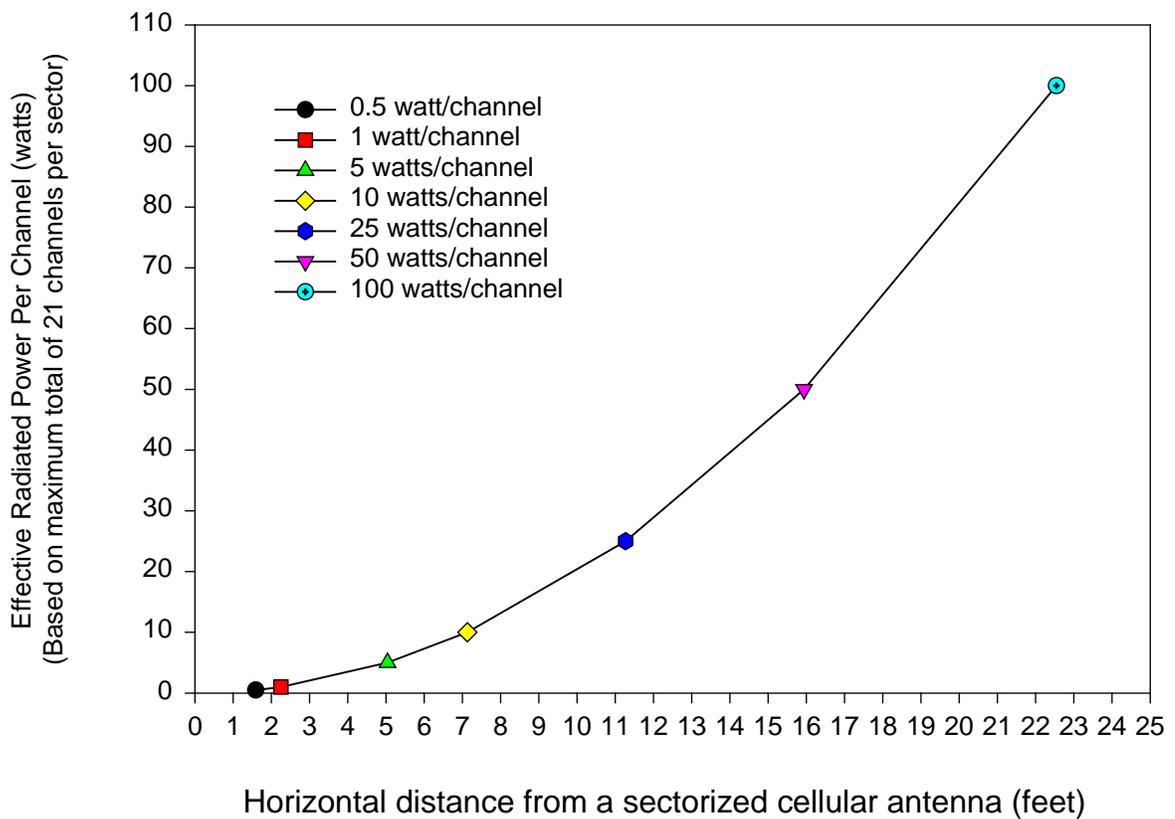
Effective Radiated Power (watts) per channel based on maximum total of 21 channels per sector	Effective Isotropic Radiated Power (watts) per channel based on maximum total of 21 channels per sector	Horizontal* distance (feet) that should be maintained from a single sectorized cellular antenna
0.5	0.82	1.6
1	1.6	2.3
5	8.2	5
10	16.4	7.1
25	41	11.3
50	82	16
100	164	22.6

For intermediate values not shown on this table, please refer to the Figure B1-2

*These distances are based on exposure at same level as the antenna, for example, on a rooftop or in a building directly across from and at the same height as the antenna.

Note: These estimates are "worst case," assuming a sectorized antenna using 21 channels. If the systems are using fewer channels, the actual horizontal distances that must be maintained will be less. Cellular sectorized antennas transmit more or less in one direction from the antenna in a horizontal direction and transmit relatively little energy directly toward the ground. Therefore, these distances are even more conservative for “non-horizontal” distances, for example, distances directly below an antenna.

Figure B1-2. Estimated "worst case" horizontal* distances that should be maintained from a single sectorized, **cellular base station** antenna to meet FCC RF exposure guidelines



* These distances are based on exposure at same level as antenna, for example, on a rooftop or in a building directly across from and at the same height as the antenna.

Note: These estimates are "worst case", assuming a sectorized antenna using 21 channels. If the systems are using fewer channels, the actual horizontal distances that must be maintained will be less. Cellular sectorized antennas transmit more or less in one direction from the antenna in a horizontal direction and transmit relatively little energy directly toward the ground.

Table B1-3. Estimated "worst case" horizontal* distances that should be maintained from a single sectorized **Broadband PCS base station** antenna to meet FCC RF exposure guidelines

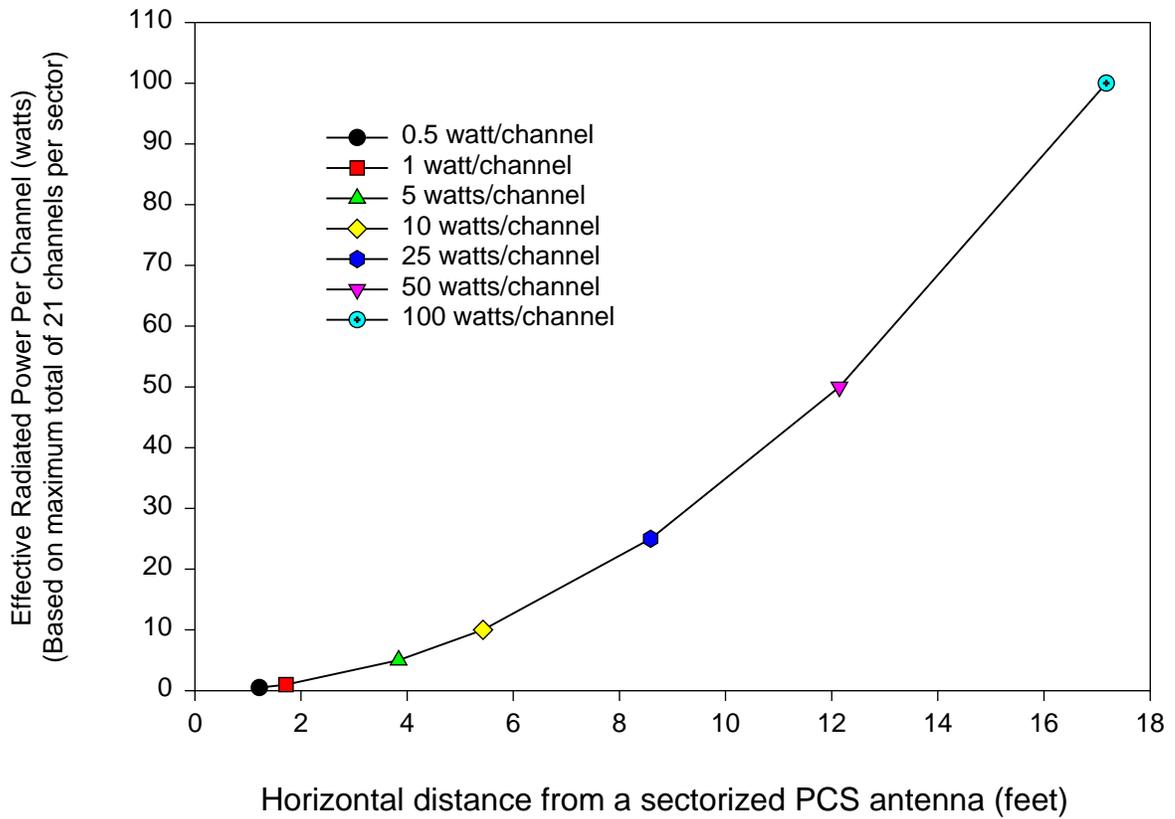
Effective Radiated Power (watts) per channel based on maximum total of 21 channels per sector	Effective Isotropic Radiated Power (watts) per channel based on maximum total of 21 channels per sector	Horizontal* distance (feet) that should be maintained from a single sectorized Broadband PCS antenna
0.5	0.82	1.2
1	1.6	1.7
5	8.2	3.8
10	16.4	5.4
25	41	8.6
50	82	12.1
100	164	17.2

For intermediate values not shown on this table, please refer to the Figure B1-3

*These distances are based on exposure at same level as the antenna, for example, on a rooftop or in a building directly across from and at the same height as the antenna.

Note: These estimates are "worst case," assuming a sectorized antenna using 21 channels. If the system is using fewer than 21 channels, the actual horizontal distances that must be maintained will be less. PCS sectorized antennas transmit more or less in one direction from the antenna in a horizontal direction and transmit relatively little energy directly toward the ground. Therefore, these distances are even more conservative for “non-horizontal” distances, for example, distances directly below an antenna.

Figure B1-3. Estimated "worst case" horizontal* distances that should be maintained from a single sectorized, **PCS base station** antenna to meet FCC RF exposure guidelines



* These distances are based on exposure at same level as antenna, for example, on a rooftop or in a building directly across from and at the same height as the antenna.

Note: These estimates are "worst case", assuming a sectorized antenna using 21 channels. If the systems are using fewer channels, the actual horizontal distances that must be maintained will be less. PCS sectorized antennas transmit more or less in one direction from the antenna in a horizontal direction and transmit relatively little energy directly toward the ground.

Table B1-4. Estimated "worst case" horizontal* distances that should be maintained from a single omnidirectional **paging** or **narrowband PCS** antenna to meet FCC RF exposure guidelines. Note: this table and the associated figure only apply to the 900-940 MHz band; paging antennas at other frequencies are subject to different values.

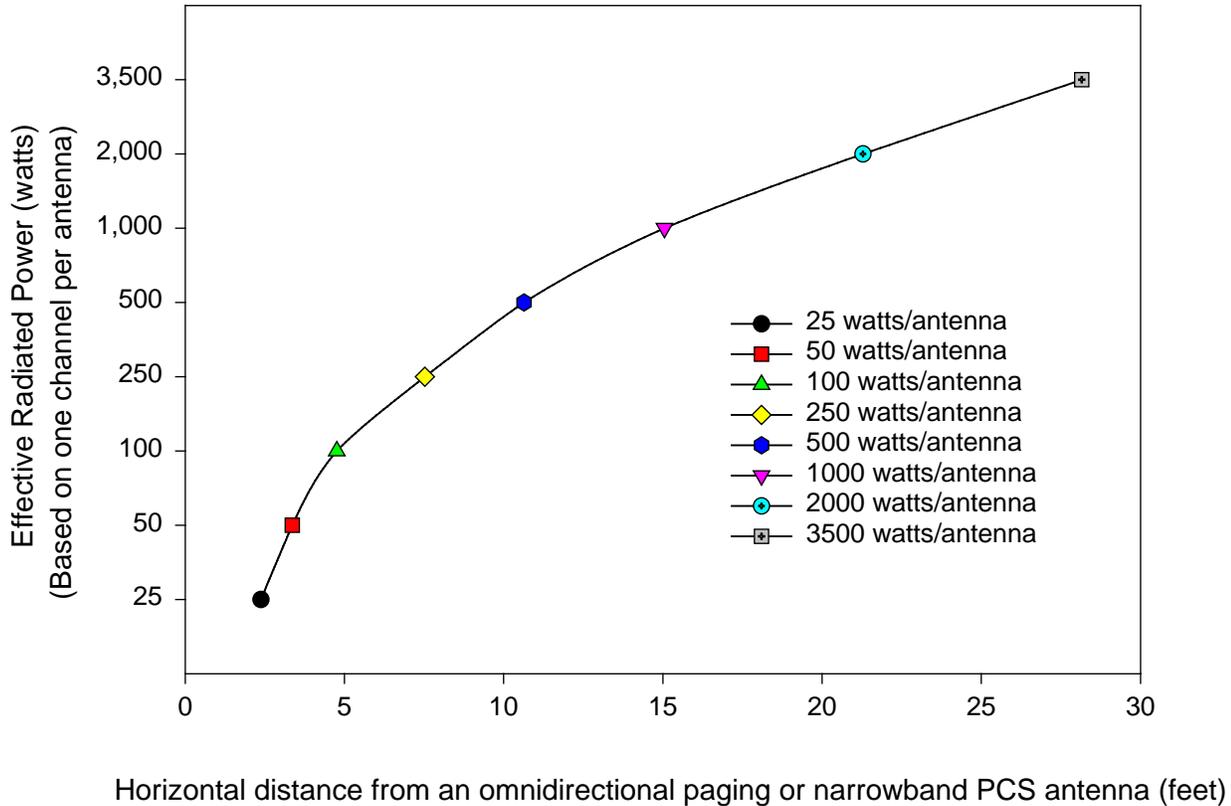
Effective Radiated Power (watts) based on one channel per antenna	Effective Isotropic Radiated Power (watts)	Horizontal* distance (feet) that should be maintained from a single omnidirectional paging or narrowband PCS antenna
50	82	3.4
100	164	4.8
250	410	7.5
500	820	10.6
1,000	1,640	15.1
2,000	3,280	21.3
3,500	5,740	28.2

For intermediate values not shown on this table, please refer to the Figure B1-4

*These distances are based on exposure at same level as the antenna, for example, on a rooftop or in a building directly across from and at the same height as the antenna.

Note: These distances assume only one frequency (channel) per antenna. Distances would be greater if more than one channel is used per antenna. Omnidirectional paging and narrowband PCS antennas transmit more or less equally from the antenna in all horizontal directions and transmit relatively little energy toward the ground. Therefore, these distances are even more conservative for “non-horizontal” distances, for example, distances directly below an antenna.

Figure B1-4. Estimated "worst case" horizontal* distances that should be maintained from a single omnidirectional **paging** or **narrowband PCS** antenna to meet FCC RF exposure guidelines.
 Note: this figure and the associated table only apply to the 900-940 MHz band; paging antennas at other frequencies are subject to different values



* These distances are based on exposure at the same level as the antenna, for example, on a rooftop or building directly across from and at the same height as the antenna.

Note: These distances assume only one frequency (channel) per antenna. Distances would be greater if more than one channel is used per antenna. Omnidirectional paging and narrowband PCS antennas transmit more or less equally from the antenna in all horizontal directions and transmit relatively little energy towards the ground.

APPENDIX C*Text of 47 U.S.C. § 332(c)(7)***(7) PRESERVATION OF LOCAL ZONING AUTHORITY.**

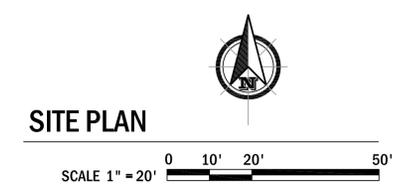
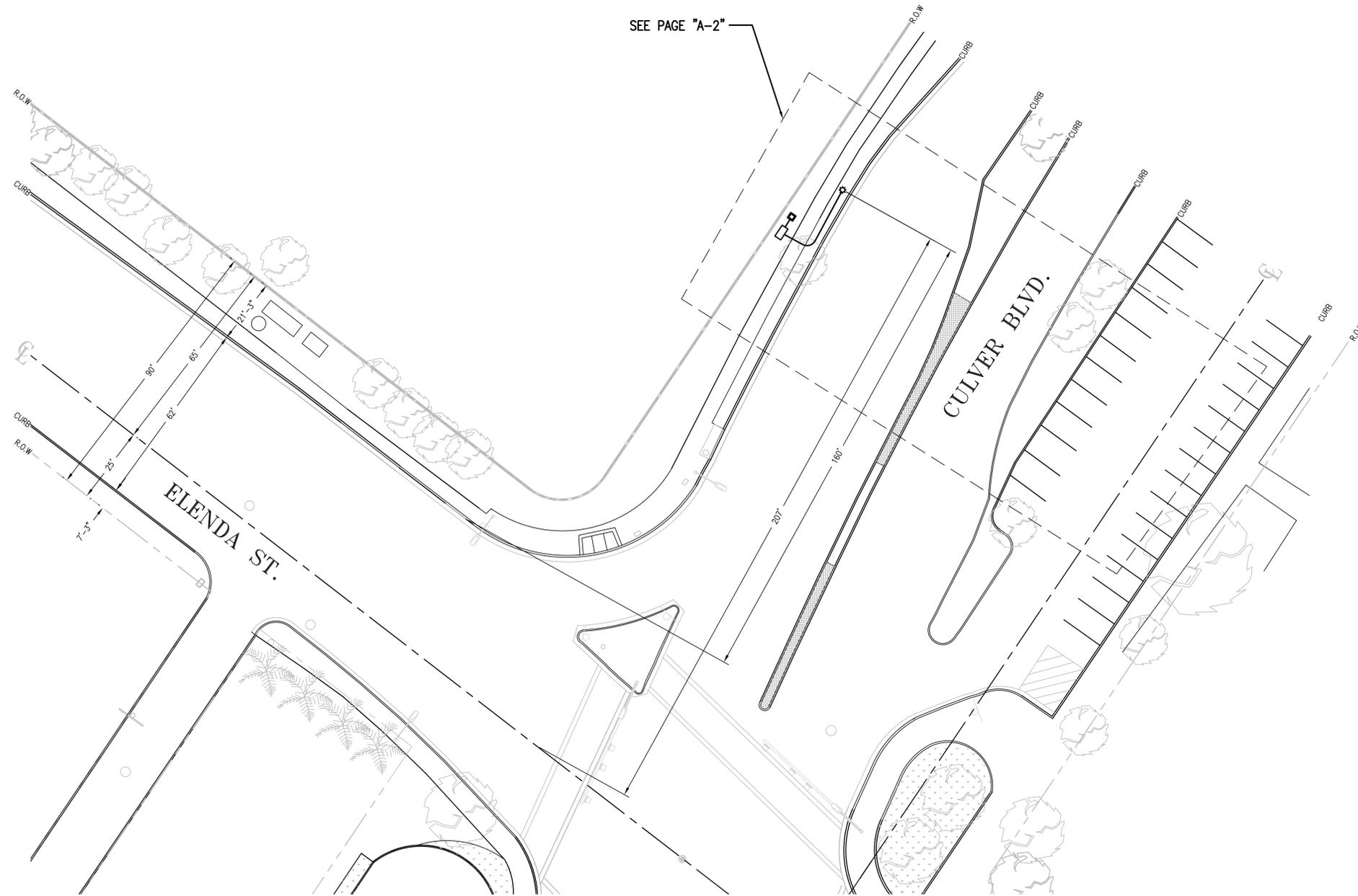
(A) **GENERAL AUTHORITY.** Except as provided in this paragraph, nothing in this Act shall limit or affect the authority of a State or local government or instrumentality thereof over decisions regarding the placement, construction, and modification of personal wireless service facilities.

(B) **LIMITATIONS.**

- (i) The regulation of the placement, construction, and modification of personal wireless service facilities by and State or local government or instrumentality thereof (I) shall not unreasonably discriminate among providers of functionally equivalent services; and (II) shall not prohibit or have the effect of prohibiting the provision of personal wireless services.
- (ii) A State or local government or instrumentality thereof shall act on any request for authorization to place, construct, or modify personal wireless service facilities within a reasonable period of time after the request is duly filed with such government or instrumentality, taking into account the nature and scope of such request.
- (iii) Any decision by a State or local government or instrumentality thereof to deny a request to place, construct, or modify personal wireless service facilities shall be in writing and supported by substantial evidence contained in a written record.
- (iv) No State or local government or instrumentality thereof may regulate the placement, construction, or modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions.
- (v) Any person adversely affected by any final action or failure to act by a State or local government or any instrumentality thereof that is inconsistent with this subparagraph may, within 30 days after such action or failure to act, commence an action in any court of competent jurisdiction. The court shall hear and decide such action on an expedited basis. Any person adversely affected by an act or failure to act by a State or local government or any instrumentality thereof that is inconsistent with clause (iv) may petition the Commission for relief.

(C) **DEFINITIONS.** For purposes of this paragraph

- (i) the term "personal wireless services" means commercial mobile services, unlicensed wireless services, and common carrier wireless exchange access services;
- (ii) the term "personal wireless service facilities" means facilities for the provision of personal wireless services; and
- (iii) the term "unlicensed wireless service" means the offering of telecommunications service using duly authorized devices which do not require individual licenses, but does not mean the provision of direct-to-home satellite services (as defined in section 303(v)).



DATE: 09-25-17

ENGINEER DATE: 09-25-17

DRAFTED BY: M.P.

NO.: 1 DATE: BY:

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SITE INFORMATION:
LA33664E
CULVER ROW
ROW MACRO

W/O 10876 CULVER BLVD.
CULVER CITY, CA 90230

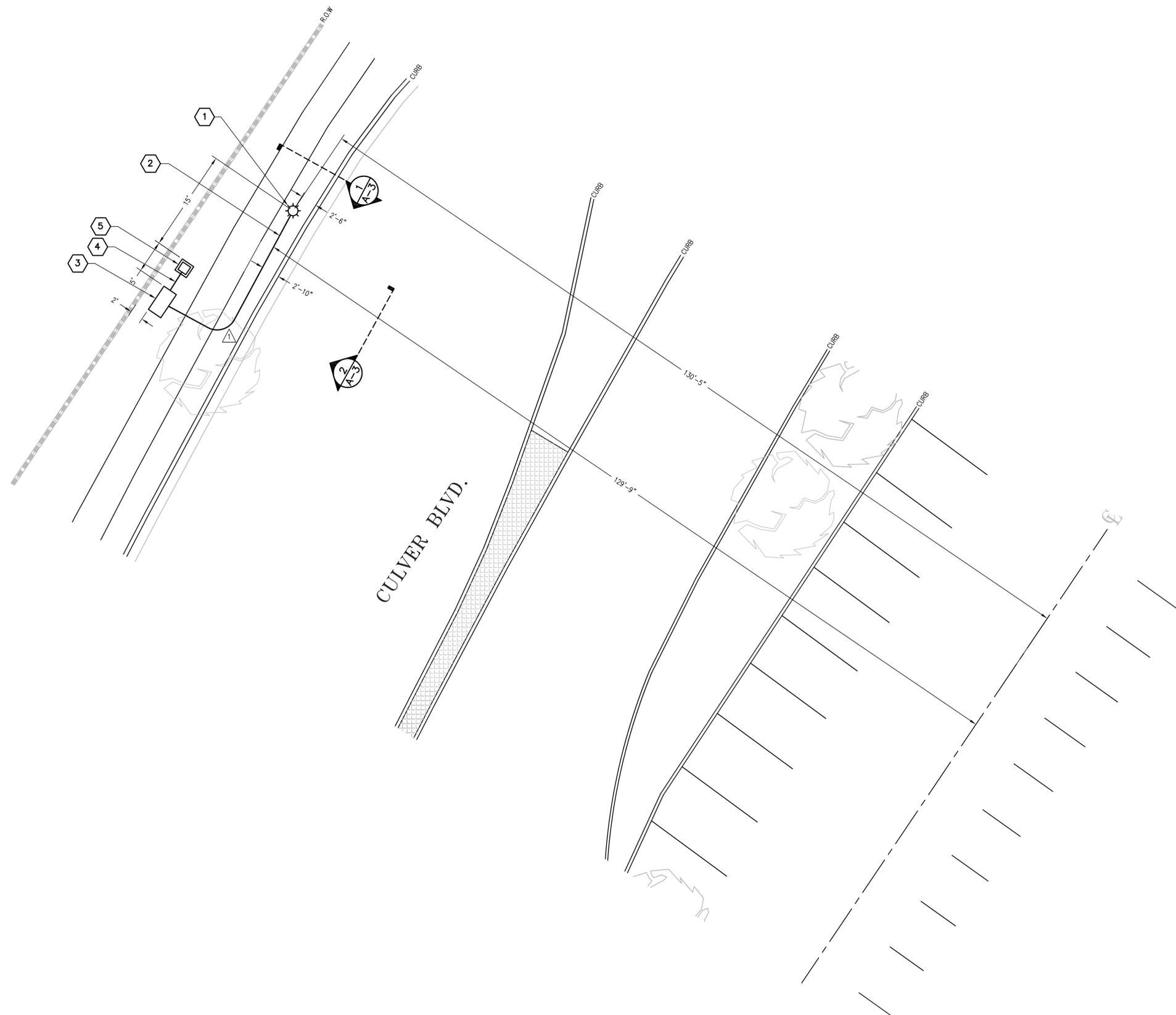
STAMP:

SHEET TITLE:
SITE PLAN
AND DETAILS

SHEET NUMBER:
A-1

PLACEMENT AND CONSTRUCTION DATA

- 1 PROPOSED 40' SLIMLINE POLE WITH 5' X 24" RADOME
- 2 PLACE 30' OF 2-4" SCH 40 PVC CONDUIT FOR COAX
- 3 PLACE 6102 CABINET
- 4 PLACE MEUG16 POWER PEDESTAL
- 5 PLACE 3' OF 2" SCH 40 PVC CONDUIT FOR POWER



CONDUIT CURVE DATA			
△	R	<	L
1	3'	90°	4'-9"

DETAIL A
 SCALE 1/8" = 1'
 0 6' 10' 20'



Development Services, Inc.
 7543 Woodley Ave. Van Nuys, CA 91406
 Office: (818) 840-0808 Fax: (818) 840-0708

DATE: 09-25-17

ENGINEER DATE: 09-25-17

DRAFTED BY: M.P.

NO.: 1 DATE: BY:

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SITE INFORMATION:
LA33664E
CULVER ROW
ROW MACRO

W/O 10876 CULVER BLVD.
 CULVER CITY, CA 90230

STAMP:

SHEET TITLE: **SITE PLAN AND DETAILS**

SHEET NUMBER: **A-2**

DATE: 09-25-17

ENGINEER DATE: 09-25-17

DRAFTED BY: M.P.

NO.: 1 DATE: BY:

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SITE INFORMATION:

LA33664E
CULVER ROW
ROW MACRO

W/O 10876 CULVER BLVD.
CULVER CITY, CA 90230

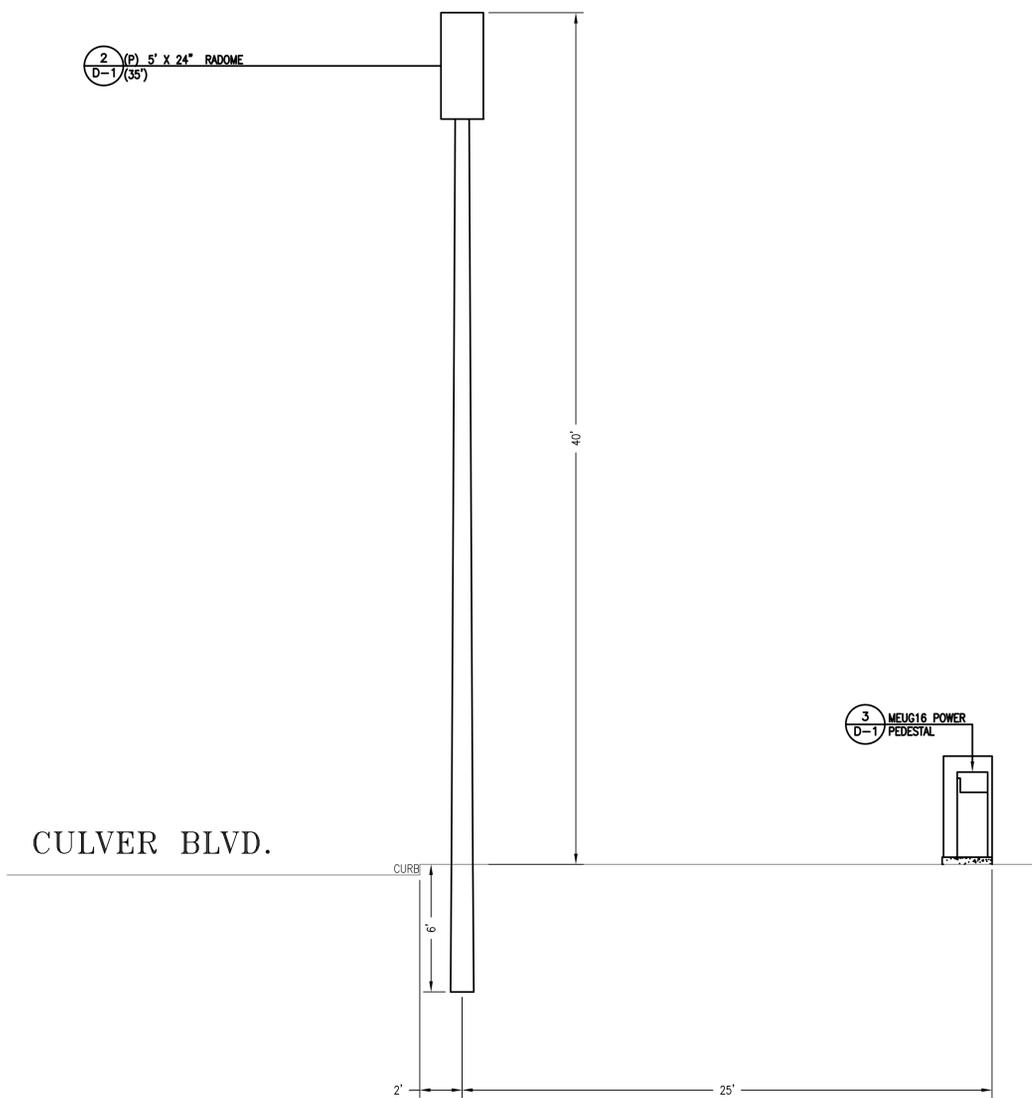
STAMP:

SHEET TITLE:

SITE
ELEVATION

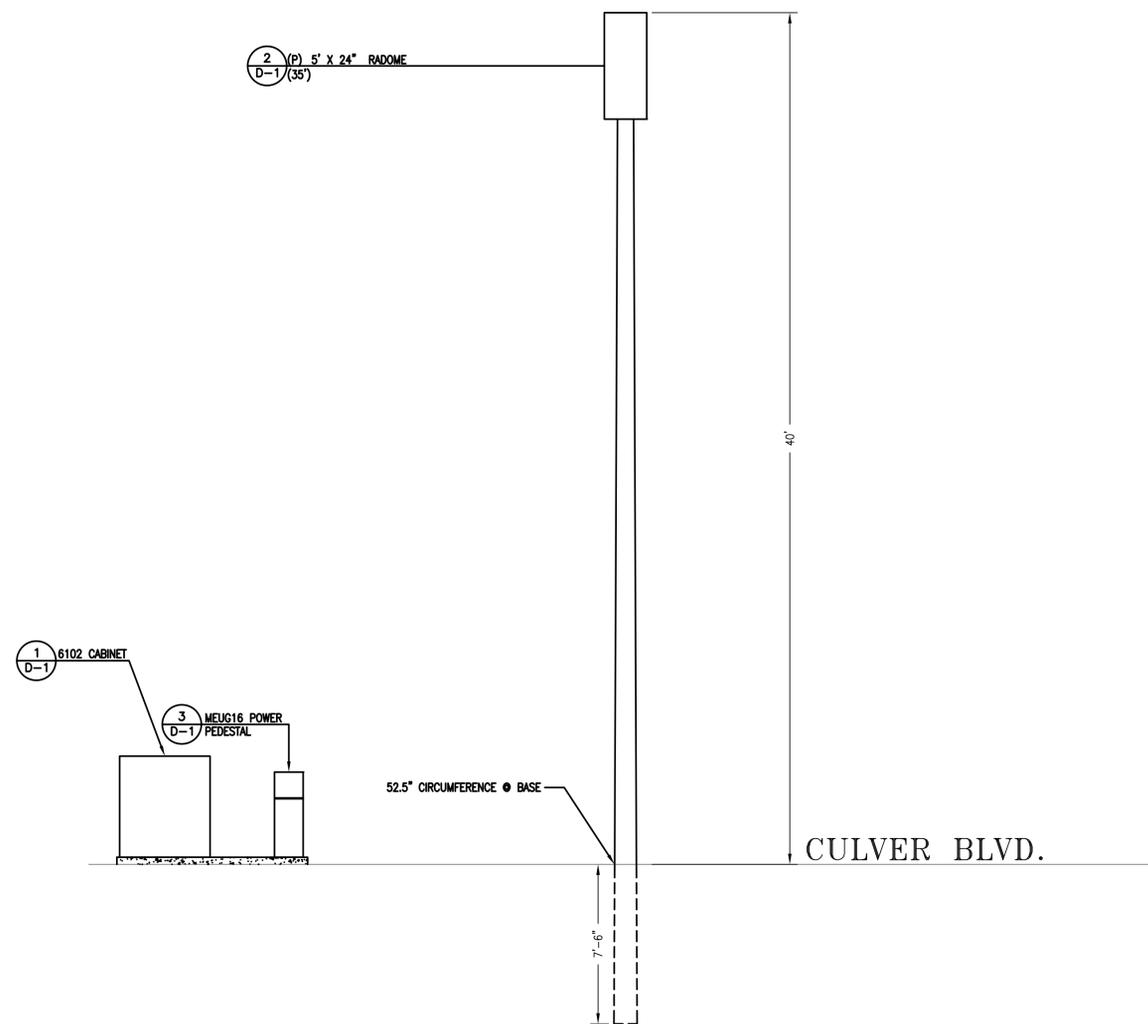
SHEET NUMBER:

A-3



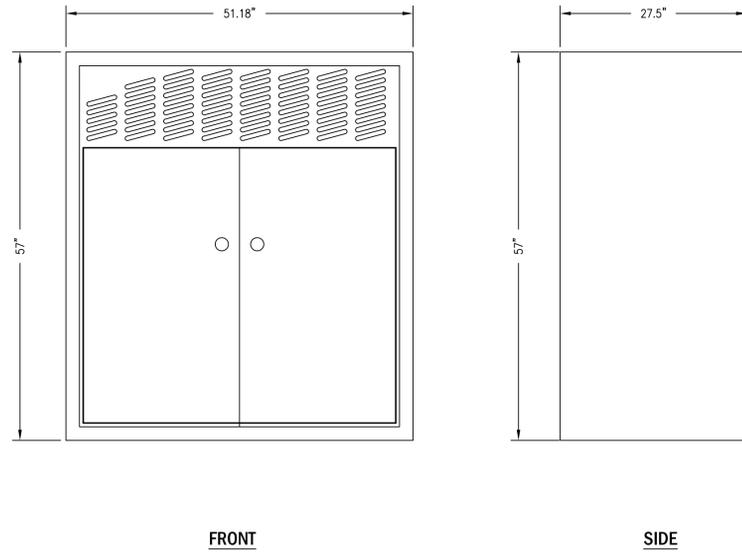
1 | PROPOSED ELEVATION LOOKING SOUTHWEST

SCALE: 1/4"=1'



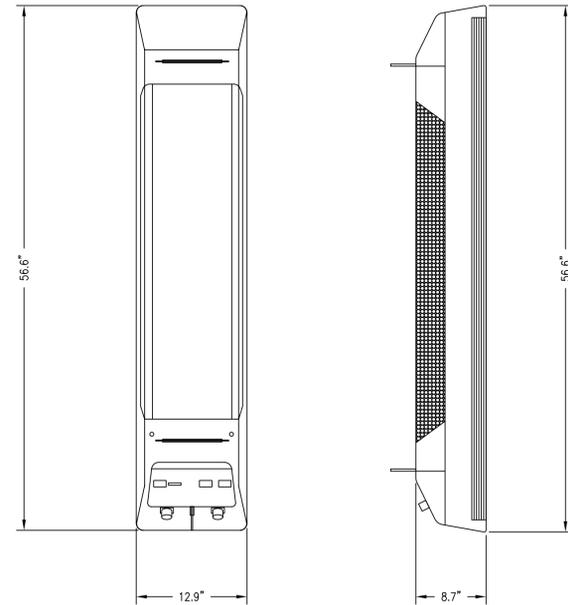
2 | PROPOSED ELEVATION LOOKING NORTHWEST

SCALE: 1/4"=1'



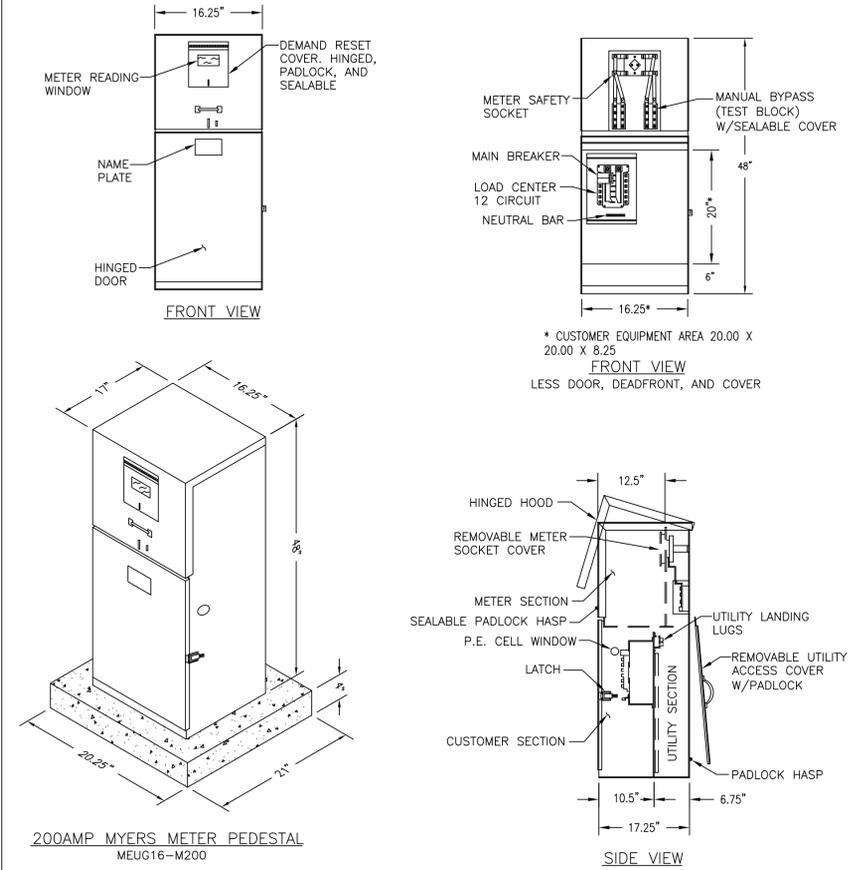
1 6102 CABINET DETAIL

SCALE: N.T.S.



2 GENERAL ANTENNA INFO

SCALE: N.T.S.



3 MEUG16 POWER PEDESTAL

SCALE: N.T.S.

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DATE: 09-25-17

ENGINEER DATE: 09-25-17

DRAFTED BY: M.P.

NO.: 1 DATE: BY:

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SITE INFORMATION:
LA33664E
CULVER ROW
ROW MACRO

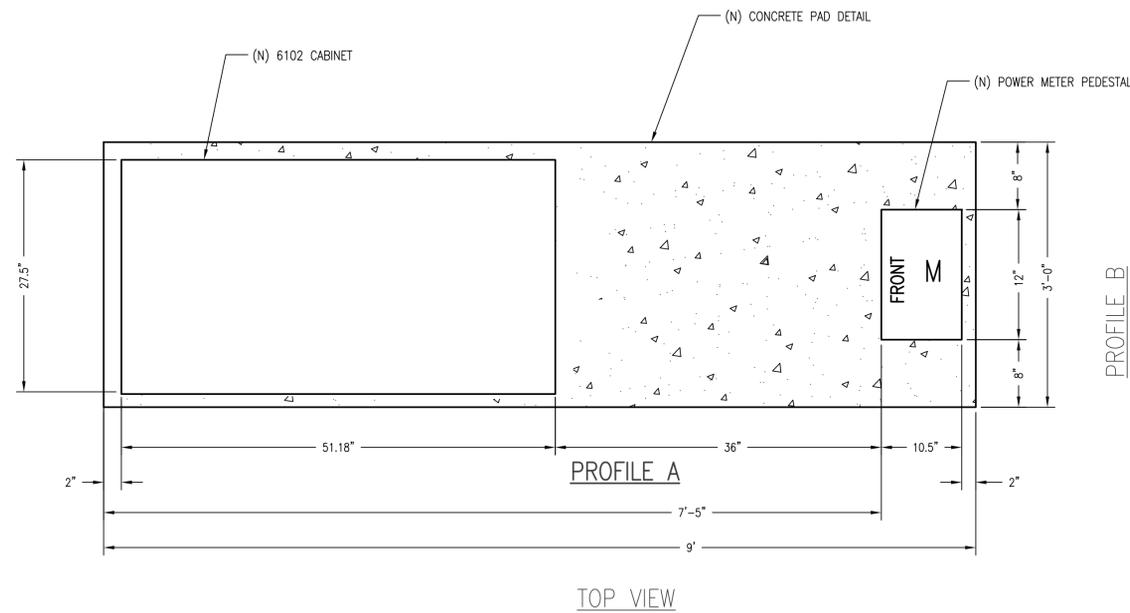
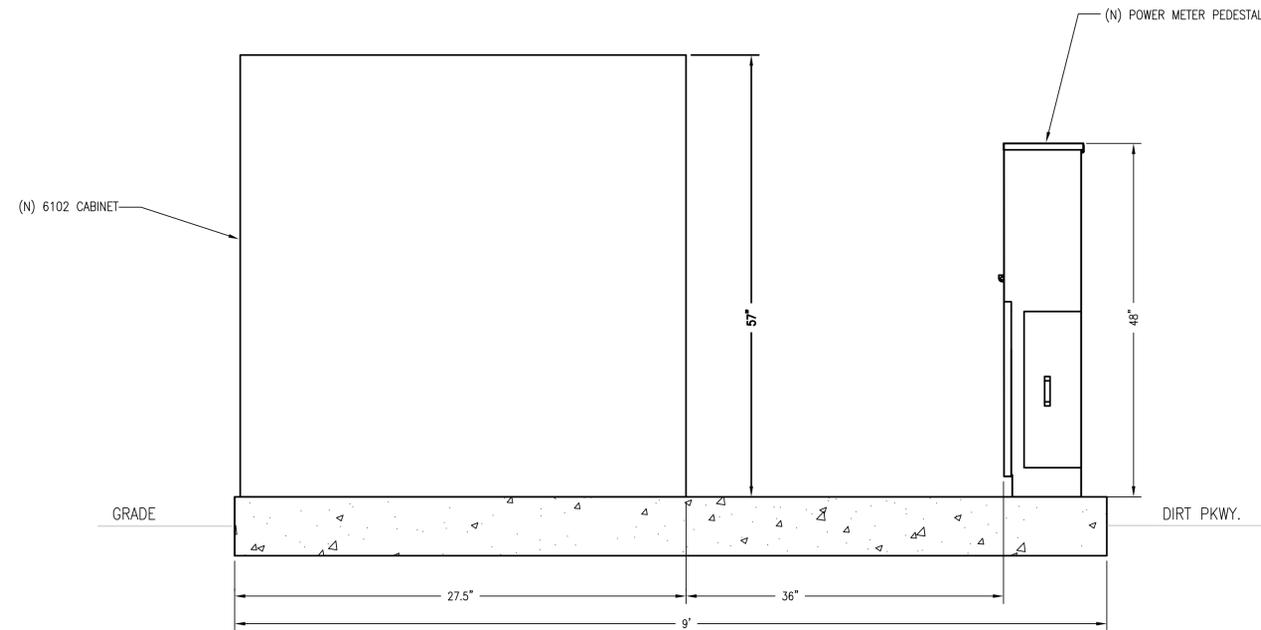
W/O 10876 CULVER BLVD.
CULVER CITY, CA 90230

STAMP:

SHEET TITLE:
EQUIPMENT
DETAIL

SHEET NUMBER:

D-1



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4100 Guardian Street, #101

Date: 6/6/2017

STATEMENT OF COMPLIANCE WITH FCC/FAA

This Letter is to confirm that T-Mobile West Corporation ("T-mobile")'s proposed cell site located at County of Los Angeles, Site # LA02788A (Site name: LA788 Palos Verdes #6 JPA) will comply with the FCC regulations regarding PCS frequency emissions.

T-Mobile operational frequency bands within 1955 to 1990(PCS), 2110 to 2155(AWS) and 728 to 734(Low Band) Megahertz for the transmit and 1875 to 1910 (PCS), 1710 to 1755 (AWS)and 693 to 704 (Low Band) Megahertz for the receive are well outside the frequency bands associated with Radio Stations, Television Stations, Police, Fire and Emergency services.

T-Mobile obtained a broadcast license in the PCS Block C3, C4 and C5 (Tx: 1975 to 1990 MHz, Rx: 1895 to 1910 MHz) and F Block (Tx: 1970 to 1975 MHz, Rx: 1890 to 1895 MHz); AWS Block D, E, F1 and F2 Block (Tx: 2135 to 2155 MHz, Rx: 1735 to 1755 MHz); And 700 Block (Tx: 728 to 734 MHz, Rx: 698 to 704 MHz). Pursuant to FCC regulations 47 CFR part 24, subpart E, sections 24.200 through 24.238 – T-Mobile must comply with the stated directives for Broadband PCS providers. T-Mobile will meet or exceed the stated requirements for Broadband PCS providers.

In addition, T-Mobile will comply with FAA Notice Criteria, 47 CFR Part 77.13 regarding the proposed site.

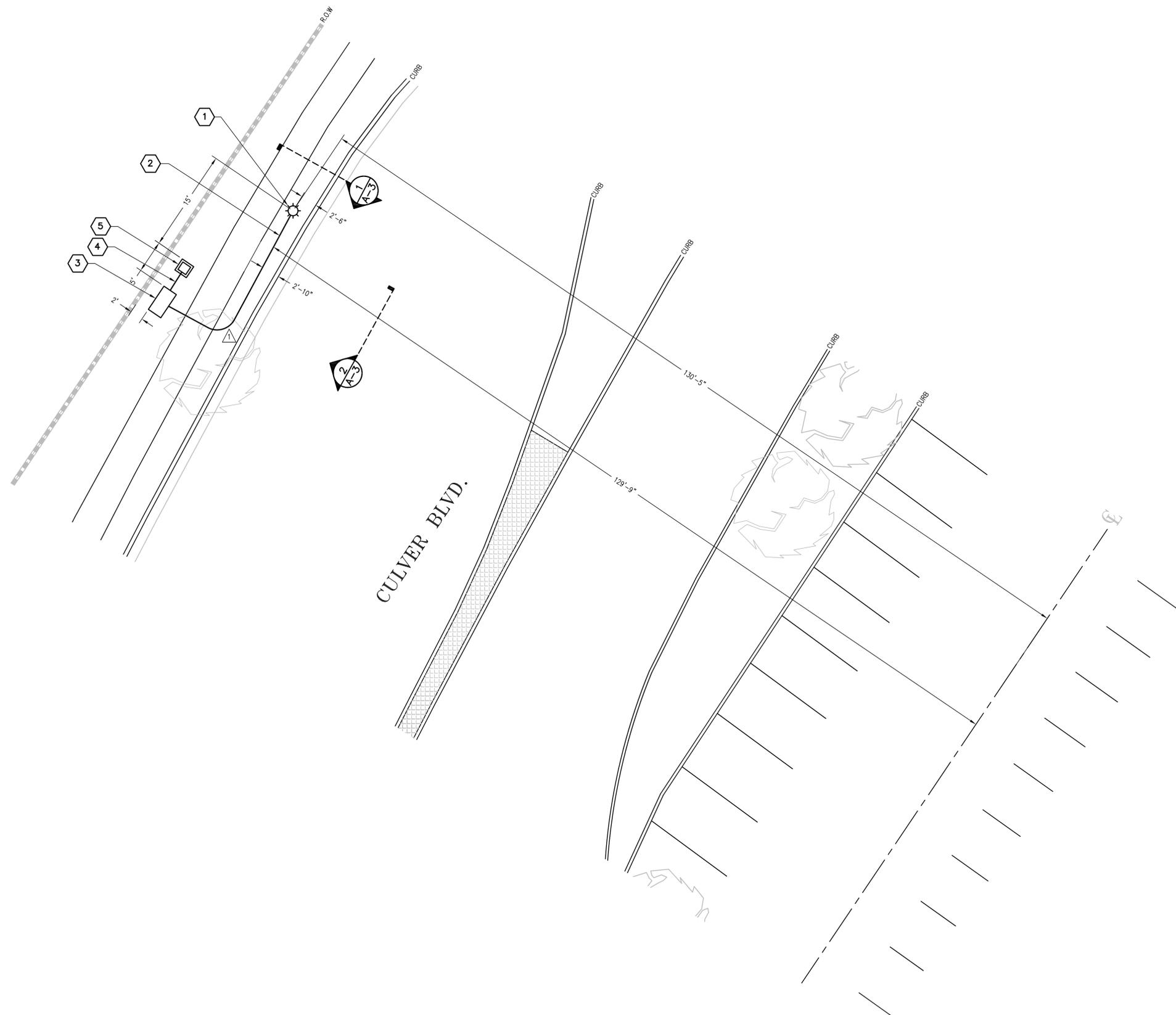
If you have any questions, please feel free to contact me at 805-584-5743.

A handwritten signature in blue ink, appearing to read 'Harinath'.

Harinath Punna
RF Engineer,
T-Mobile West LLC

PLACEMENT AND CONSTRUCTION DATA

- ① PROPOSED 40' SLIMLINE POLE WITH 5' X 24" RADOME
- ② PLACE 30' OF 2-4" SCH 40 PVC CONDUIT FOR COAX
- ③ PLACE 6102 CABINET
- ④ PLACE MEUG16 POWER PEDESTAL
- ⑤ PLACE 3' OF 2" SCH 40 PVC CONDUIT FOR POWER



CONDUIT CURVE DATA			
△	R	<	L
1	3'	90°	4'-9"

DETAIL A

SCALE 1/8" = 1'



Development Services, Inc.
7543 Woodley Ave. Van Nuys, CA 91406
Office: (818) 840-0808 Fax: (818) 840-0708

DATE: 09-25-17

ENGINEER DATE: 09-25-17

DRAFTED BY: M.P.

NO.: 1 DATE: BY:

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SITE INFORMATION:
LA33664E
CULVER ROW
ROW MACRO

W/O 10876 CULVER BLVD.
CULVER CITY, CA 90230

STAMP:

SHEET TITLE: **SITE PLAN AND DETAILS**

SHEET NUMBER: **A-2**

**T-Mobile West LLC • Proposed Base Station (Site No. SV00797A)
4591½ Park Granada • Calabasas, California**

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of T-Mobile West LLC, a personal telecommunications carrier, to evaluate the base station (Site No. SV00797A) proposed to be located at 4591½ Park Granada in Calabasas, California, for compliance with appropriate guidelines limiting sound levels from the installation.

Executive Summary

T-Mobile proposes to install a new wireless telecommunications base station, consisting of equipment cabinets, a back-up generator, and a radome on a tall pole, to be sited on Park Granada opposite Park Capri in Calabasas. Noise levels from the equipment operations will comply with the pertinent noise limits.

Prevailing Standard

The City of Calabasas sets forth limits on sound levels in Chapter 17.20.160 (Noise) of its Municipal Code, including the following hourly average limits in Table 3-1 for noise in the following zoning districts, assessed at the adjacent property lines:

<u>Zone</u>	<u>Daytime</u> <i>7 am to 10 pm</i>	<u>Nighttime</u> <i>10 pm to 7am</i>
Residential – RR, RC, HM, OS	60 dBA	50 dBA
Residential – RS, RM, RMH	65	50
Residential – weekend (8 am, not 7 am)	60	50
Non-Residential	65	60
Recreation (with active areas)	70	60

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JUL 15 2016

**COMMUNITY DEVELOPMENT
PLANNING DEPT.**

Figure 1 attached describes the calculation methodology used to determine applicable noise levels for evaluation against the prevailing standard.

General Facility Requirements

Wireless telecommunications facilities (“cell sites”) typically consist of two distinct parts: the electronic base transceiver stations (“BTS” or “cabinets”) that are connected to traditional wired telephone lines, and the antennas that wireless signals created by the BTS out to be received by individual subscriber units. The BTS are often located outdoors at ground level and are connected to the antennas by coaxial cables. The BTS typically require environmental units to cool the electronics inside. Such cooling is often integrated into the BTS, although external air conditioning may be installed, especially when the BTS are housed within a larger enclosure.

**T-Mobile West LLC • Proposed Base Station (Site No. SV00797A)
4591½ Park Granada • Calabasas, California**

Most cell sites have back-up battery power available, to run the base station for some number of hours in the event of a power outage. Many sites have back-up power generators installed, to run the station during an extended power outage.

Site & Facility Description

Based upon information provided by T-Mobile, including zoning drawings by Synergy Development Services, Inc., dated May 24, 2016, that carrier proposes to install several equipment cabinets in the public right-of-way located on the north side of Park Granada opposite the start of Park Capri. The one equipment cabinet with active cooling fans is an Ericsson Model RBS6102, with the optional second “climate unit” from the manufacturer. The nearest property line is to the northwest, less than a foot from the equipment area; that parcel is zoned “Open Space - Development Restricted.” The nearest developed areas are located about 95 feet to the southeast, across Park Granada.

T-Mobile proposes to replace the streetlight in the middle divider of Park Granada with a new streetlight at the same location, fitted with antennas on top of the pole. This portion of the base station is passive, generating no noise.

Study Results

Ericsson reports that the maximum noise level from its cabinet is 53 dBA,* measured at a reference distance of 1 meter. The applicable 60 dBA daytime limit, for the simultaneous operation of all fans in the cabinet, is calculated to be met at a distance of about 1½ feet from the equipment cabinet, that is, extending just over half a foot into the adjacent parcel. The applicable 50 dBA nighttime limit is met at a distance of about 5 feet from the equipment cabinet, that is, extending about 4 feet into the adjacent parcel, at a time when no use of the “Open Space” area would be expected. As shown in Figure 2, this represents a *de minimis* intrusion into the undeveloped area.

At the developed areas across Park Granada, the maximum calculated noise level is 24 dBA, well below the City’s most restrictive limits.

Conclusion

Based on the information and analysis above, it is the undersigned’s professional opinion that the operation of the T-Mobile West LLC base station proposed to be located at 4591½ Park Granada in Calabasas, California, will substantially comply with the City’s requirements for limiting acoustic noise emission levels.

* At a reference temperature of 25°C (77°F)



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Authorship

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2017. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

June 30, 2016

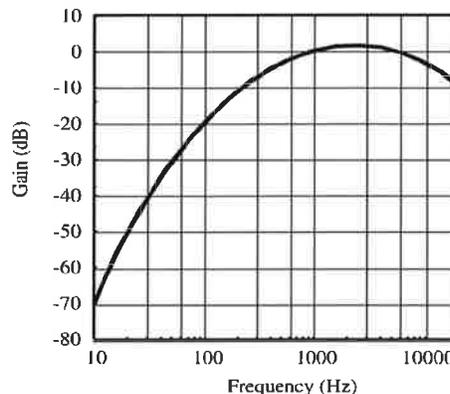


William F. Hammett

William F. Hammett, P.E.
707/996-5200

Noise Level Calculation Methodology

Most municipalities and other agencies specify noise limits in units of dBA, which is intended to mimic the reduced receptivity of the human ear to Sound Pressure (“L_p”) at particularly low or high frequencies. This frequency-sensitive filter shape, shown in the graph to the right as defined in the International Electrotechnical Commission Standard No. 179, the American National Standards Institute Standard No. 5.1, and various other standards, is also incorporated into most calibrated field test equipment for measuring noise levels.



30 dBA	library
40 dBA	rural background
50 dBA	office space
60 dBA	conversation
70 dBA	car radio
80 dBA	traffic corner
90 dBA	lawnmower

The dBA units of measure are referenced to a pressure of 20 μPa (micropascals), which is the threshold of normal hearing. Although noise levels vary greatly by location and noise source, representative levels are shown in the box to the left.

Manufacturers of many types of equipment, such as air conditioners, generators, and telecommunications devices, often test their products in various configurations to determine the acoustical emissions at certain distances. This data, normally expressed in dBA at a known reference distance, can be used to determine the corresponding sound pressure level at any particular distance, such as at a nearby building or property line. The sound pressure drops as the square of the increase in distance, according to the formula:

$$L_P = L_K + 20 \log(D_K/D_P),$$

where L_P is the sound pressure level at distance D_p and L_K is the known sound pressure level at distance D_K.

Individual sound pressure levels at a particular point from several different noise sources cannot be combined directly in units of dBA. Rather, the units need to be converted to scalar sound intensity units in order to be added together, then converted back to decibel units, according to the formula:

where L_T is the total sound pressure level and L₁, L₂, etc are individual sound pressure levels.

$$L_T = 10 \log (10^{L_1/10} + 10^{L_2/10} + \dots),$$

Certain equipment installations may include the placement of barriers and/or absorptive materials to reduce transmission of noise beyond the site. Noise Reduction Coefficients (“NRC”) are published for many different materials, expressed as unitless power factors, with 0 being perfect reflection and 1 being perfect absorption. Unpainted concrete block, for instance, can have an NRC as high as 0.35. However, a barrier’s effectiveness depends on its specific configuration, as well as the materials used and their surface treatment.

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Site Location and Adjacent Properties



photograph looking northwest
from Park Capri into
undeveloped Open Space

