

Planning Application #: 15-106

Date Received: 12/17/2015
 Fee Paid: 3101.00
 Receipt #: 192062

City of Albany

PLANNING APPLICATION FORM NON-RESIDENTIAL

Please complete the following application to initiate City review of your application. Please be aware that staff may have additional application requirements. For projects requiring Planning and Zoning Commission review, please schedule an appointment with Planning Division staff. The Community Development Department office is open to accept applications Monday, 8:30 AM to 7:00 PM, Tuesday through Thursday 8:30 AM to 5:00 PM, and Friday 8:30 AM to 12:30 PM (closed Noon – 1PM, Mon. – Thu.) at 1000 San Pablo Avenue, Albany, CA 94706 (510) 528-5760.

Fee Schedule (FY 2013-2014)

<input type="checkbox"/> Design Review*	\$2,072/ Admin. \$1,101
<input type="checkbox"/> Parking Exceptions/Reductions - see separate handout*	\$Actual Cost/Min \$2,072
<input type="checkbox"/> Conditional Use Permit (major)*	\$Actual Cost/Min \$2,072
<input type="checkbox"/> Conditional Use Permit (minor)*	\$1,101
<input type="checkbox"/> Sign Permit	\$1,479/\$461 Admin.
<input type="checkbox"/> Temporary/Seasonal Conditional Use Permit*	\$461
<input type="checkbox"/> Lot Line Adjustment*	\$Actual Cost/Min \$1,101
<input type="checkbox"/> Secondary Residential Unit*	\$1,101
<input type="checkbox"/> Parcel/Subdivision Map; Planned Unit Development; Condo Conversion*	\$3,357
<input type="checkbox"/> Variance*	\$2,072
<input checked="" type="checkbox"/> Other(s): <u>Zoning Clearance + Deposit</u>	<u>\$3101.00</u>

*When obtaining more than one planning approval, the full amount for the highest fee will apply and 1/2 fee will be charged for any other ones.

General Plan Update Fee \$45 included in the fees above. This fee only needs to be paid once for each separately submitted application.

****If applying for a Conditional Use Permit, please complete the Supplemental Questionnaire****

Job Site Address: 940-970 San Pablo Ave. APN: 066-2721-026-06		Zoning District:
Property Owner(s) Name: Ritchey Real Estate Investments	Phone: 510 526-1540 Fax:	Email: tardp@comcast.net
Mailing Address: 1029 B Solano Ave.	City: Albany	State/Zip: CA, 94706
Applicant(s) Name (contact person): Christian Hill / Cortel for T-Mobile	Phone: 707 342-2096 Fax:	Email: christian.hill@cortel-llc.com
Mailing Address: 2 Glen Alpine Road	City: Piedmont	State/Zip: CA, 94611

PROJECT DESCRIPTION (Please attach plans)

MODIFICATION OF AN EXISTING TELECOMMUNICATION FACILITY. REMOVE (3) EXISTING ANTENNAS & REPLACE w/ (3) NEW

4' ANTENNAS INSIDE EXISTING STEALTH BOX (1 PER SECTOR). INSTALL (3) NEW RRUS NEAR IN THE EQUIPMENT AREA.

UPGRADE BREAKER FROM 60A TO 100A FOR BTS CABINET.

TERMS AND CONDITIONS OF APPLICATION

I, the undersigned owner (or authorized agent) of the property herein described, hereby make application for approval of the plans submitted and made part of this application in accordance with the provisions of the City's ordinances, and I hereby certify that the information given is true and correct to the best of my knowledge and belief.

I understand that the requested approval is for my benefit (or that of my principal). Therefore, if the City grants the approval with or without conditions, and that action is challenged by a third party, I will be responsible for defending against this challenge. I therefore agree to accept this responsibility for defense at the request of the City and also agree to defend, indemnify and hold the City harmless from any costs, claims, penalties, fines, judgments, or liabilities arising from the approval, including without limitation, any award or attorney's fees that might result from the third party challenge.

For this purposes of this indemnity, the term "City" shall include the City of Albany, its officers, officials, employees, agents and representatives. For purposes of this indemnity, the term "challenge" means any legal or administrative action to dispute, contest, attack, set aside, limit, or modify the approval, project conditions, or any act upon which the approval is based, including any action alleging a failure to comply with the California Environmental Quality Act or other laws.

The signature of the property owner is required for all projects. By executing this form you are affirming that you are the property owner.

Signature of Property Owner	Date
	12/17/15
Signature of Applicant (if different)	Date



#319 19292 60th Ave
Surrey, BC V3S 3M2
T 604.546.0221
E info@comtech.ca
www.comtech.ca

**FEDERAL COMMUNICATIONS COMMISSION (FCC)
COMPLIANCE STUDY ON
ELECTROMAGNETIC FIELDS
EXPOSURE**

Prepared for:

T Mobile

T-Mobile West LLC

Base Station BA02755A

**BA755 940 SAN PABLO
940 SAN PABLO AVENUE
ALBANY
CA 94706**

November 24th 2015

City of Albany

DEC 17 2015

Community Development



SITE DESCRIPTION:

Carrier:	T-Mobile		
Site Address:	940 San Pablo Avenue, Albany, CA 94706		
Type of Service:	i) GSM	ii) UMTS	iii) LTE
Sectors:	3 (355°, 110°, 210°)		
Antenna Type:	RFS APXV18-206516S-C-A20, APXVF24-C-A20		
Number of Antennas:	9 (6 existing + 3 new)		
Frequencies (MHz):	i) 1900	ii) 1900	iii) AWS/700
Maximum Power (ERP):	i) 1000W	ii) 1653W	iii) 1198/1240W
Antenna Height:	23'-1 7/16"±, 23'-1 1/8"± (radiation center AGL)		

Table 1. T-Mobile RF summary

T-Mobile is proposing to add new 700 MHz LTE service to its wireless communication facility at the above noted address (Fig. 1). Three new panel antennas will be added beside the existing antennas behind FRP screening on a sign tower at the front side of the property.

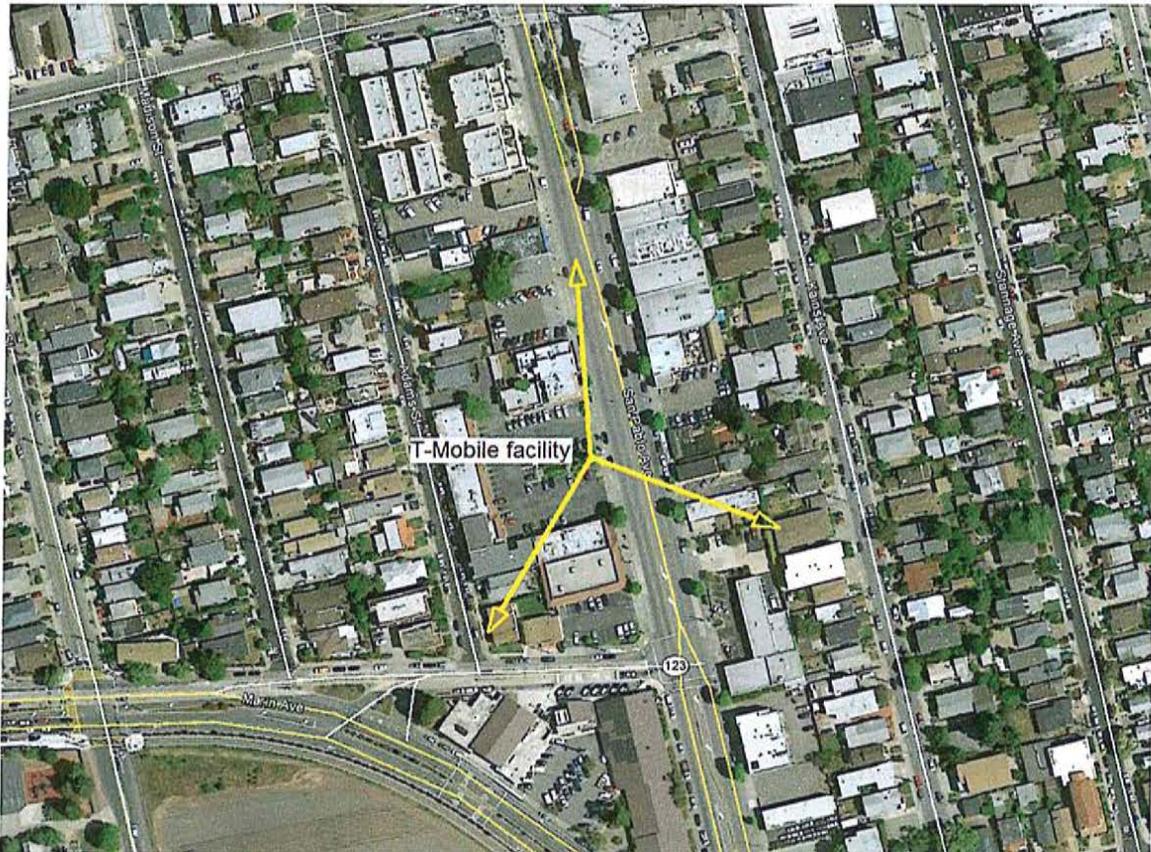


Figure 1. Facility and surrounding area

PROTOCOL:

This study, and the calculations performed therein, is based on OET Bulletin 65¹, which adopts ANSI C95.1-1992 and NCRP standards. In particular, equation 10 from section 2 of the guideline is used as a model (in conjunction with known antenna radiation patterns) for calculating the power density at different points of interest. This information will be used to judge the RF exposure level incident upon the general population, and any employee present in the area. It should be noted that ground reflection of RF waves has been taken into account.

FCC'S MAXIMUM PERMISSIBLE EXPOSURE (MPE) LIMIT:

In order to evaluate the RF exposure level, the power densities at different locations of interest have been examined. Equation 10 from Bulletin 65 is reproduced here as equation 1:

$$S = \frac{33.4 F^2 ERP}{R^2} \quad (1)$$

Where: S = Power density [$\mu\text{W}/\text{cm}^2$]
 ERP = Effective radiated power [W]
 R = Distance [m]
 F = Relative field factor (relative numeric gain)

Scenario 1: Standing near the facility on street level

The RF exposure level of a six-foot tall person standing on ground level close to the facility is evaluated. For worst-case scenario, we assume that the antennas within a sector are transmitting the maximum number of channels, with each channel at its maximum power level.

The Maximum Permissible Exposure (MPE) limit for 1900 MHz (PCS) and 2100 MHz (AWS) facilities² for general population/uncontrolled exposure is 1000 $\mu\text{W}/\text{cm}^2$, and 467 $\mu\text{W}/\text{cm}^2$ for 700 MHz facility. The maximum cumulative power density in the surrounding areas of the facility is calculated to be 1.9% of the MPE limit.

¹ Cleveland, Robert F, et al. Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields. OET Bulletin 65, Edition 97-01, August 1997.

² Ibid., page 67. are shown

Scenario 2: Nearby buildings

There are various types of buildings in the surrounding area. The RF exposure levels on nearby buildings are evaluated. We assume again, all the antennas are transmitting with maximum power level. The maximum cumulative power density on a nearby building is calculated to be approximately 12.7% of the MPE limit.

Conclusions:

Under "worst-case" conditions, the calculations predict that the maximum RF exposure is 12.7% of the MPE limit for general population/uncontrolled exposure in the surrounding area of the facility. There is a relatively low level of RF energy directed either above or below the horizontal plane of the antennas, and there are no locations in the surrounding area near the T-Mobile facility will have RF exposure levels close to the MPE limit.

MITIGATION MEASURES:

Due to the mounting location and height of the T-Mobile antennas, they would not be accessible to the general public. No mitigation measures are necessary to comply with the FCC general population/uncontrolled exposure guidelines. The carrier should take appropriate steps to ensure employees or contractors comply with FCC occupational exposure guidelines whenever work is required near the antennas.

FCC COMPLIANCE:

Based on the information provided by Cortel Inc. and the analysis above, the proposed modifications to the T-Mobile facility at 940 San Pablo Avenue, Albany, California, will comply with the prevailing standards for public exposure limit on RF energy. The general population / uncontrolled exposure near the facility, including persons on ground level, in nearby open areas, and inside or on existing nearby buildings will have RF exposure much lower than the "worst-case" scenario, which is well below the MPE limit.



Sei Yuen Sylvan Wong, PE
California PE Reg. No. E 16850

November 24th, 2015



EXISTING

PROPOSED: Install (3) new panel antennas inside existing stealth box



Proposed modification
inside existing stealth box



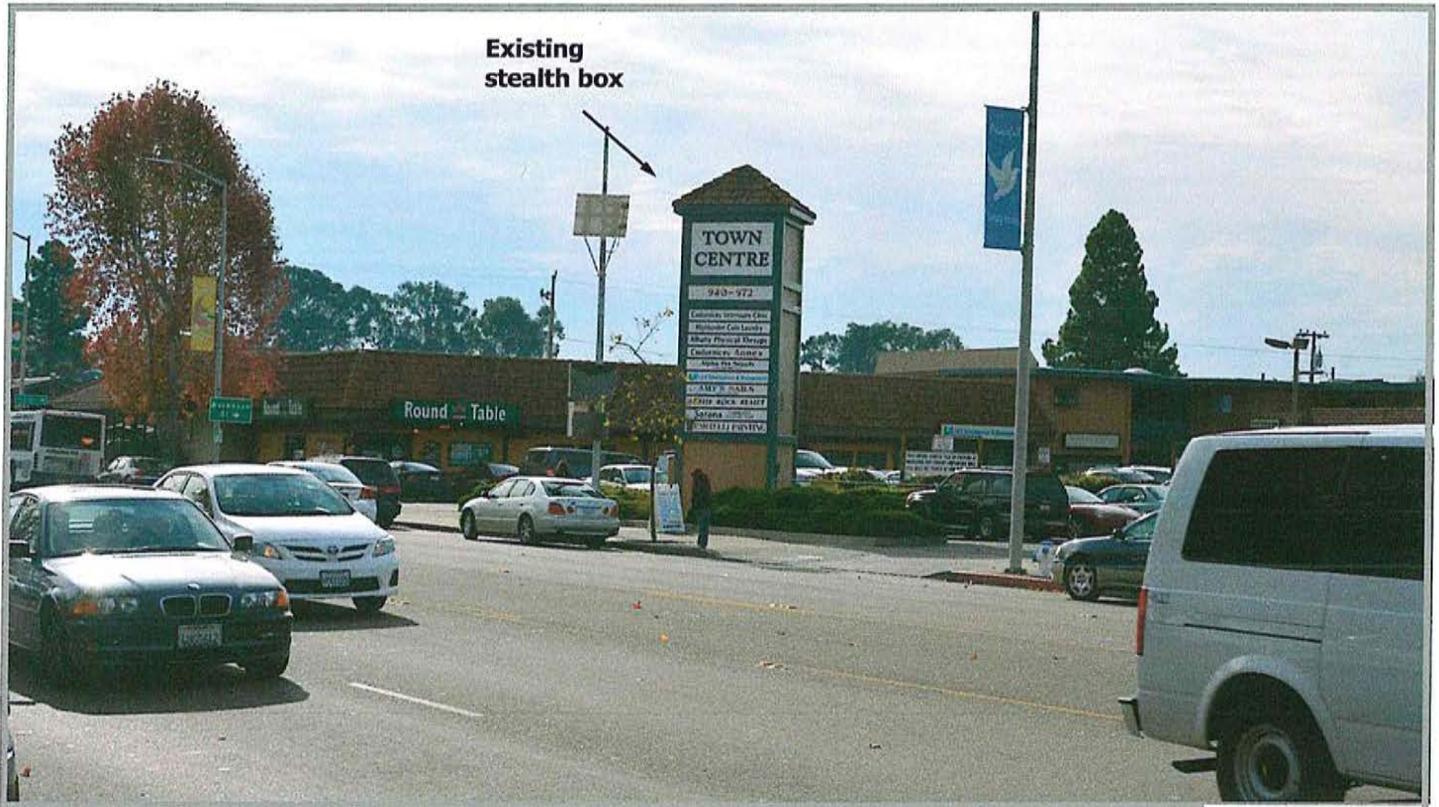
View 1 of 2
City of Albany



BA02755A
940 San Pablo Ave
Albany CA 94706

DEC 17 2015

Community Development



Existing
stealth box

EXISTING

PROPOSED: Install (3) new panel antennas inside existing stealth box

Proposed modification
inside existing stealth box



View 2 of 2
City of Albany



BA02755A
940 San Pablo Ave
Albany CA 94706

DEC 17 2015

Community Development

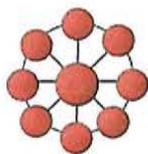


IEWS

City of Albany

DEC 17 2015

Community Development



Cortel
Photosims

[View Chart](#)

T-Mobile

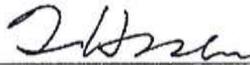
BA02755A
940 San Pablo Ave
Albany CA 94706

Site Number: BA02755A
Site Name: BA755 940 SAN PA

LETTER OF AUTHORIZATION

Application for Use Permit Renewal/Building Permit

Owner of property (APN 66-2721-026-06) located at 940 San Pablo Ave. Albany, Ca 94706. ("Owner"), does hereby appoint **T-Mobile West LLC, a Delaware limited liability company** as agent for the purpose of applying for and attaining any permit or other necessary governmental requirement to use and construct improvements to the property leased to them for the purpose of constructing, operating and maintaining a telecommunications facility. I/We understand that the application may be denied, modified or approved with conditions and that such condition or modifications must be complied with prior to building permit issuance.



Signature of Property Owner or Representative

TIM HASSLER

Printed Name of Property Owner or Representative

Date: 10/16/15

Owner Contact Information:

Phone: (510) 526-1540

Cell Phone: (510) 333-1226

Email: TARDP@connect.net

Preferred method of communication: Home/Work or Email

City of Albany

DEC 17 2015

Community Development