#### DEPARTMENT OF COMMUNITY DEVELOPMENT SERVICES



#### Planning Division

#### memorandum

**TO:** The Urbana Plan Commission

**FROM:** Lisa Karcher, Planner II

**DATE:** February 1, 2008

**SUBJECT:** Plan Case No. 2058-SU-08: A request by Insite Incorporated (as an agent for T-

Mobile Communications) for a Special Use Permit to locate nine panel antennas on an existing telecommunications tower at 1106 W. Main Street in the R-5,

Medium High Density Multiple Family Residential Zoning District.

#### Introduction

Insite Inc., as an agent for T-Mobile Communications, is requesting a Special Use Permit to locate nine panel antennas on an existing telecommunications tower at 1106 W. Main Street. The tower is 250 feet tall and the antennas will be located at the 125 foot level. The antennas will have 36 cables connecting to three outdoor equipment cabinets located in a fenced in 20 foot by 20 foot lease area on the property to the west of the tower and known as 1110 W. Main Street (WILL). A copy of the site layout and site elevation is attached. The subject property is owned by the University of Illinois Urbana-Champaign, and is zoned R-5, Medium High Density Multiple Family Residential. A Special Use Permit for placement of the antennas is required pursuant to Section XIII-1.R of the Urbana Zoning Ordinance.

The antennas will allow for improved telecommunication reception in the campus area. This improved access is beneficial to University students and staff and can assist in emergency communications.

## **Background**

In February of 2007 the Plan Commission reviewed a Special Use Permit submitted by Insite, Inc. to allow an equipment enclosure to serve an antenna collocation on an existing telecommunications tower located at 1110 W. Main Street. The Plan Commission recommended to City Council to approve the request and City Council subsequently approved the Special Use Permit in March of 2007. A copy of approving Ordinance No. 2007-03-030 is attached. There has been no change in the proposed equipment enclosure.

Since the time of the equipment enclosure approval, the University of Illinois removed a multi-family structure located on the lot immediately east of 1110 W. Main Street and constructed a telecommunications tower that is 250 feet tall compared to the existing tower located at 1110 W. Main Street that is 190 feet tall. The construction of the taller tower was necessary due to the Burnham project being constructed northwest of the Springfield Avenue – Fourth Street intersection in the City of Champaign. At a height of 221 feet, the

new Burnham building effectively blocks the signal transmission of WILL from their studio on W. Main Street to their transmitter located near Monticello.

The property surrounding the subject site at 1106 W. Main Street is owned by the University of Illinois and is mainly used for University facilities, parking facilities and multi-family housing for students. The zoning consequently is a mix of residential and commercial zoning districts. The current zoning designations are not always consistent with University uses. The construction of the new tower in an R-5, Medium High Density Multiple Family Residential District is a good example. The tower is consistent with the surrounding University uses; however a residential zoning district is a less preferable location than other zoning districts. A Special Use Permit is therefore required to permit the location of nine panel antennas on the existing tower. The City has recognized the need to work with the University to formulate a zoning district that is specific to the University and that will allow a mix of compatible campus uses. City staff will continue to work with the University to formulate a university zoning district over the upcoming months. It is anticipated that the district will be created and that the subject site and surrounding properties will be rezoned sometime during 2008. As the University rezoning effort may take several months, and involve several other properties, the applicant is requesting that the Special Use Permit be considered at this time.

#### **Description of the Site and Surrounding Properties**

The subject property is located just east of the WILL studios at the northeast corner of Main Street and Goodwin Avenue. Immediately north and west of the subject property are University of Illinois facilities and associated parking lots. To the east is parking. South of the subject property is University parking, a multi-family residential building and a bicycle shop.

#### **Zoning and Land Use Table**

The following is a summary of surrounding zoning and land uses for the subject site:

Location	Zoning	Existing Land Use	Comprehensive Plan
			Future Land Use
Subject Property	R-5, Medium High Density Multiple-Family Residential	Telecommunications Tower	Institutional
North	R-5, Medium High Density Multiple-Family Residential B-3U, General Business- University	Campbell Hall Parking Lot	Institutional
South	R-5, Medium High Density Multiple-Family Residential B-3U, General Business- University	Multi-Family Residential  Parking Lot  Commercial	Institutional
East	B-3U, General Business- University	Parking Lot	Institutional
West	B-1, Neighborhood Business	WILL Station	Institutional

#### **Discussion**

#### Requirements for a Special Use Permit

According to Section VII-4 of the Urbana Zoning Ordinance, an application for a Special Use Permit shall demonstrate the following:

1. That the proposed use is conducive to the public convenience at that location.

The proposed use would be conducive to the public convenience. Section XIII-1. Telecommunication Facilities, Towers and Antennas of the Urbana Zoning Ordinance encourages the collocation of multiple antennas on a single tower. Residents, businesses, students and the University will benefit from the improved T-Mobile service that will increase productivity, convenience and access to information.

2. That the proposed use is designed, located, and proposed to be operated so that it will not be unreasonably injurious or detrimental to the district in which it shall be located, or otherwise injurious or detrimental to the public welfare.

The proposed use will not be injurious to the public welfare. T-Mobile has been sensitive in selecting a site to collocate that will minimize the impact on surrounding property. Wireless technology affords vital communications in emergency situations and will commonly be used by local residents and emergency personnel to protect the general public's health, safety and welfare.

3. That the proposed use conforms to the applicable regulations and standards of, and preserves the essential character of, the district in which it shall be located, except where such regulations and standards are modified by Section VII-7.

The collocation of an antenna on an existing tower conforms to the Urbana Zoning Ordinance. Although the subject site is zoned R-5, the location of the antenna is consistent and in character with the adjacent WILL facility to the west. There is an existing tower on the WILL property as well as an existing fenced area that houses existing telecommunications equipment. It is anticipated that the subject site will be rezoned to a University District sometime later this year.

## **Summary of Findings**

- 1. Nine panel antennas will be located on the existing tower located at 1106 W. Main Street.
- 2. The tower at 1106 W. Main Street is located in the R-5, Medium High Density Multiple Family Residential Zoning District. A Special Use Permit is therefore required pursuant to Section XIII-1.R of the Urbana Zoning Ordinance to locate antennas on the tower.
- 3. The proposed use would be conducive to the public convenience as antenna collocations are encouraged by the Urbana Zoning Ordinance. In addition the improved T-Mobile service will increase productivity, convenience and access to information.
- 4. The proposed use will not be injurious to the public welfare as it will be collocated on an existing

tower. In addition wireless technology affords vital communication is emergency situations, thereby assisting with the protection of the general public's health, safety and welfare.

5. The proposed collocation of the antennas on an existing tower is in character with the existing telecommunications equipment and use of the WILL facility to the west.

### **Options**

The Plan Commission has the following options for recommendations to the City Council regarding Plan Case No. 2058-SU-08:

- 1. Recommend approval of the Special Use Permit request, as presented herein; or
- 2. Recommend approval of the Special Use Permit request, with any conditions deemed appropriate or necessary for the public health, safety, and welfare, and to carry out the purposes of the Zoning Ordinance; or
- 3. Recommend denial of the request for a Special Use Permit.

#### **Staff Recommendation**

Based on the evidence presented in the discussion above, and without the benefit of considering additional evidence that may be presented at the public hearing, staff recommends that the Plan Commission recommend APPROVAL of the proposed special use permit in Plan Case No. 2058-SU-08 to the City Council, with the condition that the installation of the antennas conform to the submitted site plan.

Prepared by:

Lisa Karcher, Planner II

Attachments: Exhibit A: Location Map

Exhibit B: Zoning Map

Exhibit C: Existing Land Use Map with Aerial

Exhibit D: Future Land Use Map

Exhibit E: Ordinance Approving SUP for Enclosure

Exhibit F: Special Use Permit Application

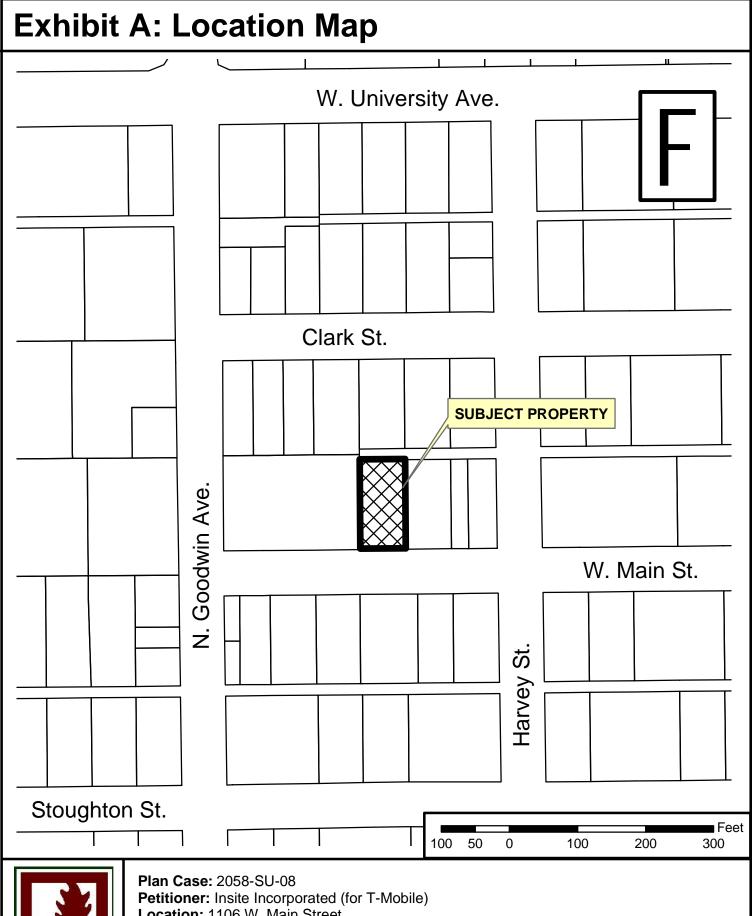
Exhibit G: Site Photos Exhibit H: Site Plan Exhibit I: Site Elevation

Insite Inc. University of Illinois cc: Ray Shinkle Helen Coleman

2210 Midwest Road, Suite 213

1501 S. Oak Street, MC 800

Oak Brook, IL 60523 Champaign, IL 61820



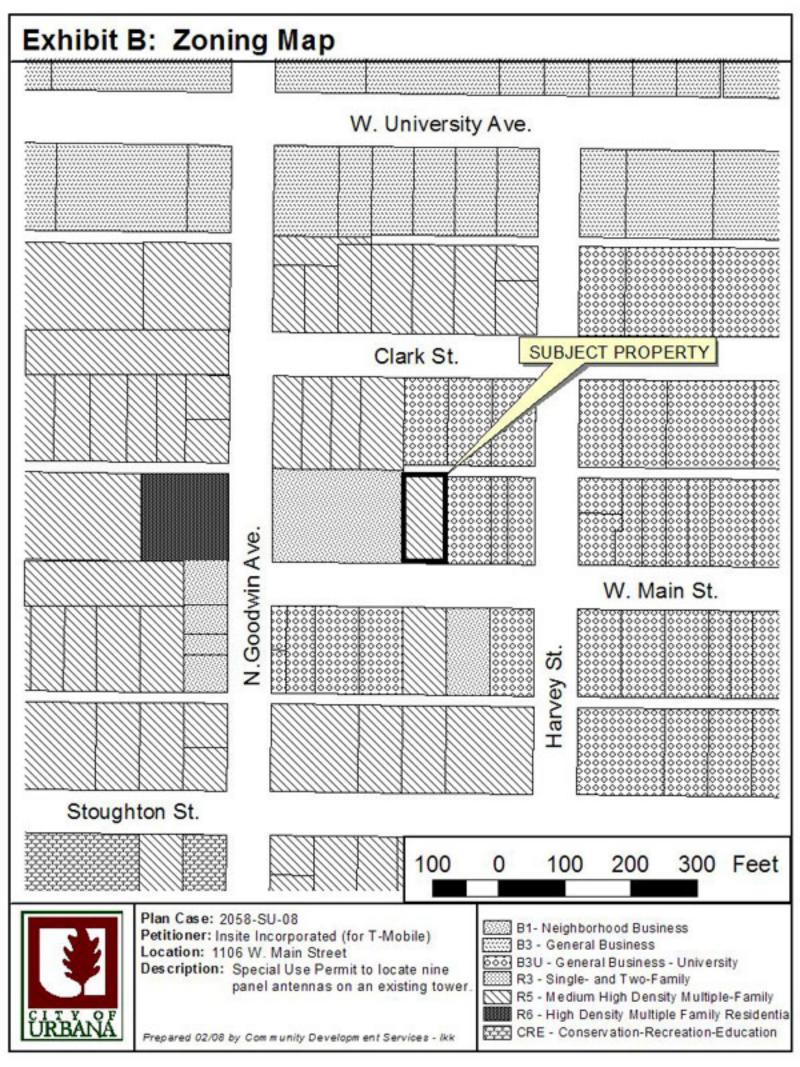


Location: 1106 W. Main Street

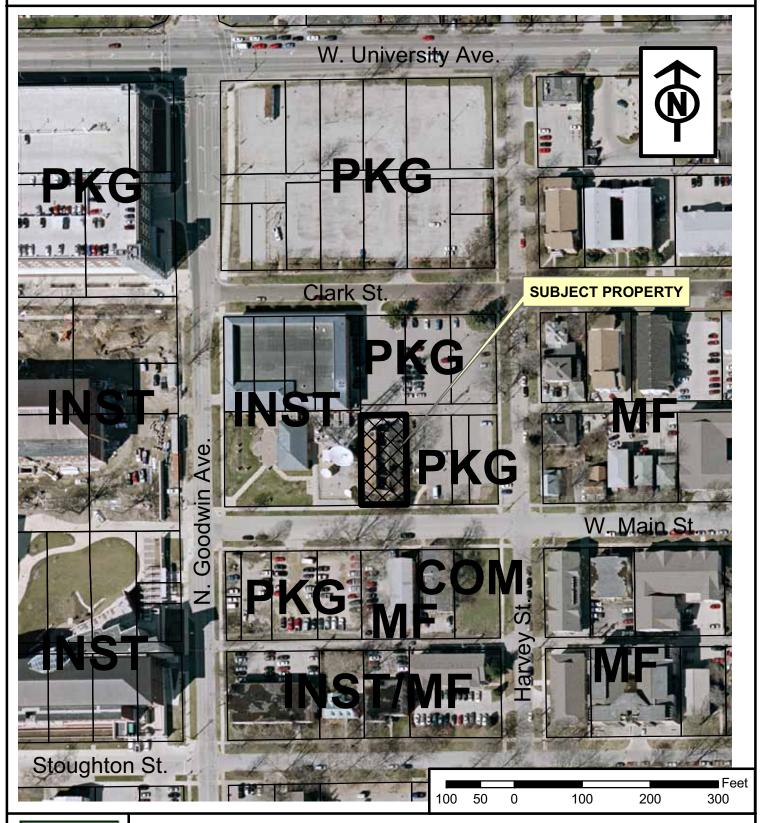
**Description:** Special Use Permit to locate nine

panel antennas on an existing tower.

Prepared 2/08 by Community Development Services - Ikk



# **Exhibit C: Existing Land Use Map**





Plan Case: 2058-SU-08

Petitioner: Insite Incorporated (for T-Mobile)

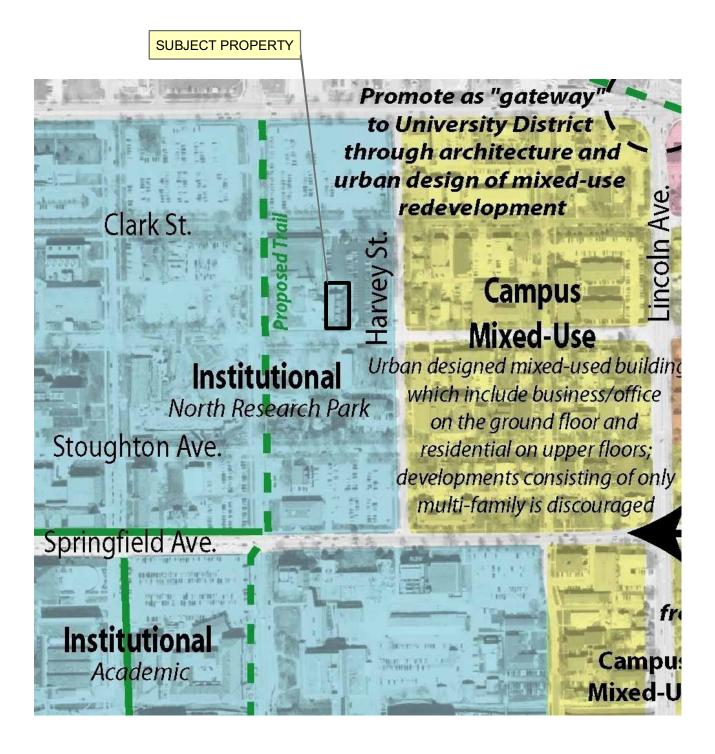
Location: 1106 W. Main Street

**Description:** Special Use Permit to locate nine

panel antennas on an existing tower.

Prepared 2/08 by Community Development Services - Ikk

## **Exhibit D: Future Land Use Map**





Plan Case: 2058-SU-08

**Petitioner:** Insite Incorporated (for T-Mobile)

Location: 1106 W. Main Street

**Description:** Special Use Permit to locate nine

panel antennas on an existing tower.

Prepared 2/08 by Community Development Services - Ikk

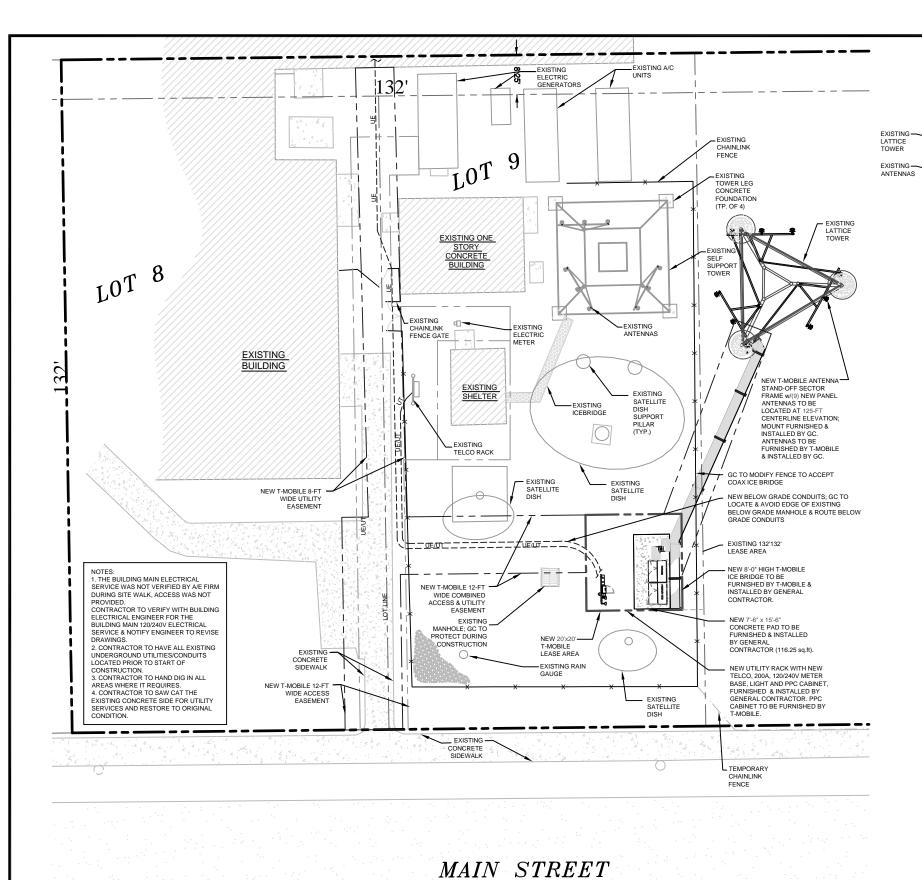
## **EXHIBIT G: Site Photos**

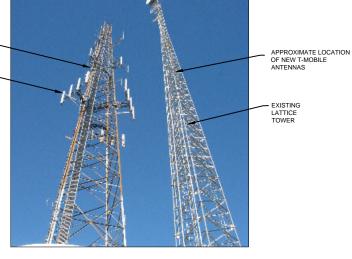


Main Street looking north



Main Street-Goodwin Avenue Intersection looking northeast





IMPORTANT NOTES:

1. GC TO HIRE PUBLIC JULIE & PRIVATE LOCATE SERVICE IN ORDER TO LOCATE AND PROTECT ANY AND ALL SURFACE UTILITIES. DO NOT SCALE OFF THESE PLANS FOR ANY BELOW GRADE UTILITIES.

SITE PHOTO

2.THESE PLANS MAY NOT CONTAIN OR REVEAL ALL SUBSURFACE UTILITIES; GC IS RESPONSIBLE OF LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION

T · · Mobile ·

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CONCORDIA, LTD A PROFESSIONAL DESIGN FIRM LICENSE # 184.004952- D.B.A.

ONCORDIA WIRELESS, INC

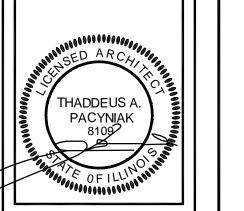
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PROJECT NO: CH59-138B

DRAWN BY: NL	CHECKED BY: GMS	
CHECKED BY: RH	APPROVED BY: GMS, TP	



CH59-138C UNIVERSITY TOWER II 1110 W. MAIN STREET URBANA, IL 61801

OVERALL SITE PLAN

A-O

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(Asphalt Paved)

OVERALL SITE PLAN

SCALE:1"=10' (1"=20' IF 11X17 SHEET SIZE)



