

# AT&T Proposed Development Warner Bros. Studio Lot



**Site Location:** Warner Bros. Lot  
**Jurisdiction:** City of Burbank  
**Project Number:** 19-0003391  
**Date:** March 18<sup>th</sup>, 2020

## PROJECT OVERVIEW

Synergy, a Division of Advantage Engineers, on behalf of New Cingular Wireless PCS, LLC (“AT&T”) requests approval for the placement of 30 Small Cell Facilities (“SCF”) on the Warner Bros. Studio lot in the City of Burbank. The original application for 22 SCFs was submitted on May 29<sup>th</sup>, 2019. After discussions with City of Burbank officials, Warner Bros. Studios, and AT&T, we elected to add 13 additional SCFs to the application. On February 13<sup>th</sup>, 2020, a revised Administrative Use Permit (“AUP”) application was submitted adding the 13 sites for a total of 30 SCFs for the proposed application.

The enclosed package consolidates all of the most up-to-date project information for your convenience. As such, we respectfully request approval of our AUP application.

## SCOPE OF WORK

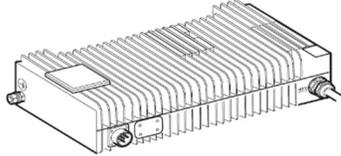
Each of the 30 SCFs will fall within 2 different antenna configurations.

DESIGN TYPE	NUMBER OF SCFs	MOUNTING DETAILS	VISIBLE FROM ROW?
Design 1	13	Building w/Fixtures	2
Design 2	17	Building w/Fixtures	4

**Design 1** consists of a micro Radio 2205 antenna, micro Radio 2203, Samsung Pico RU, and a Galtronics cannister antenna. Of the 12 proposed on the lot, 10 are effectively screened from the Public Right-of-way. The two visible facilities have been addressed in the accompanying Visual Impact Report included in this package. Additionally, all equipment specifications can be found in this package.

**Design 2** consists of the same micro Radio 2205 and micro Radio 2203 stated above as well as the Air 5331, Kathrein 10-Port antenna, and RBS 6000 PSU power converter.

		
<b>Micro Radio 2205 (Design Types 1 and 2)</b>	<b>Micro Radio 2203 (Design Types 1 and 2)</b>	<b>Galtronics Cannister (Design Type 1)</b>

		
<p><b>Air 5331 (Design Type 2)</b></p>	<p><b>Kathrein 10-Port (Design Type 2)</b></p>	<p><b>RBS 6000 PSU (Design Type 2)</b></p>
		
<p><b>Samsung Pico RU (Design Type 1)</b></p>		

**COVERAGE ANALYSIS**

SCFs on studio lots are placed to serve media/entertainment functions, including providing coverage for sound stages, workshops, and day-to-day industry activities. To that end, it is necessary to strategically place SCFs around the facility to ensure coverage is maintained.

Rather than construct several additional macro facilities throughout the adjacent neighborhoods or within the lot itself, AT&T is seeking to place small facilities that can be deployed on existing rooftops. When determining site placement, the search is limited to only the most viable options. Site viability means: (1) all necessary utilities are available at the location, and (2) RF needs are satisfied. Therefore, placement of the facility must be on or near existing utility infrastructure and located within 250’ of the identified coverage gap. The proposed locations included in this application package meet the site viability test above.

**CODE COMPLIANCE**

The proposed SCFs are compliant with Section 10-1-1118 of the Burbank Municipal Code. The Warner Bros. Studio Lot is in a Non-Residential Zone (Planned Development and Media Overlay), where building mounted facilities are classified as a Permitted Use, and freestanding facilities—including ROW—are subjected to an Administrative Use Permit review process.

Additionally, the proposed SCFs meet all design, height, and setback requirements stated within the code, as demonstrated below.

**Height:** All proposed SCFs do not extend more than 15’ above the roof or parapet. Freestanding SCFs do not exceed 35’ AGL.

**Design/Screening:** The SCFs all incorporate stealth designs to minimize aesthetic impacts. Equipment has been designed to match the architecture of adjacent buildings and/or be screened from public view by walls, fences, parapets, landscaping, and similar treatments.

**Setbacks/Mounting Location:** Facade-mounted SCFs do not extend more than 24” from the building face. If a building mounted SCF is mounted flush against a building wall, the color and material of the antenna and other equipment is being painted to match the exterior of the building.

Furthermore, all Roof-mounted SCFs are fully screened from public view using screening devices that are compatible with the existing architecture, color, texture, and/or materials of the building.

## **CONCLUSION**

For the aforementioned reasons, AT&T respectfully requests approval of their Administrative Use Permit.

## CONSTRUCTION DRAWINGS KEY

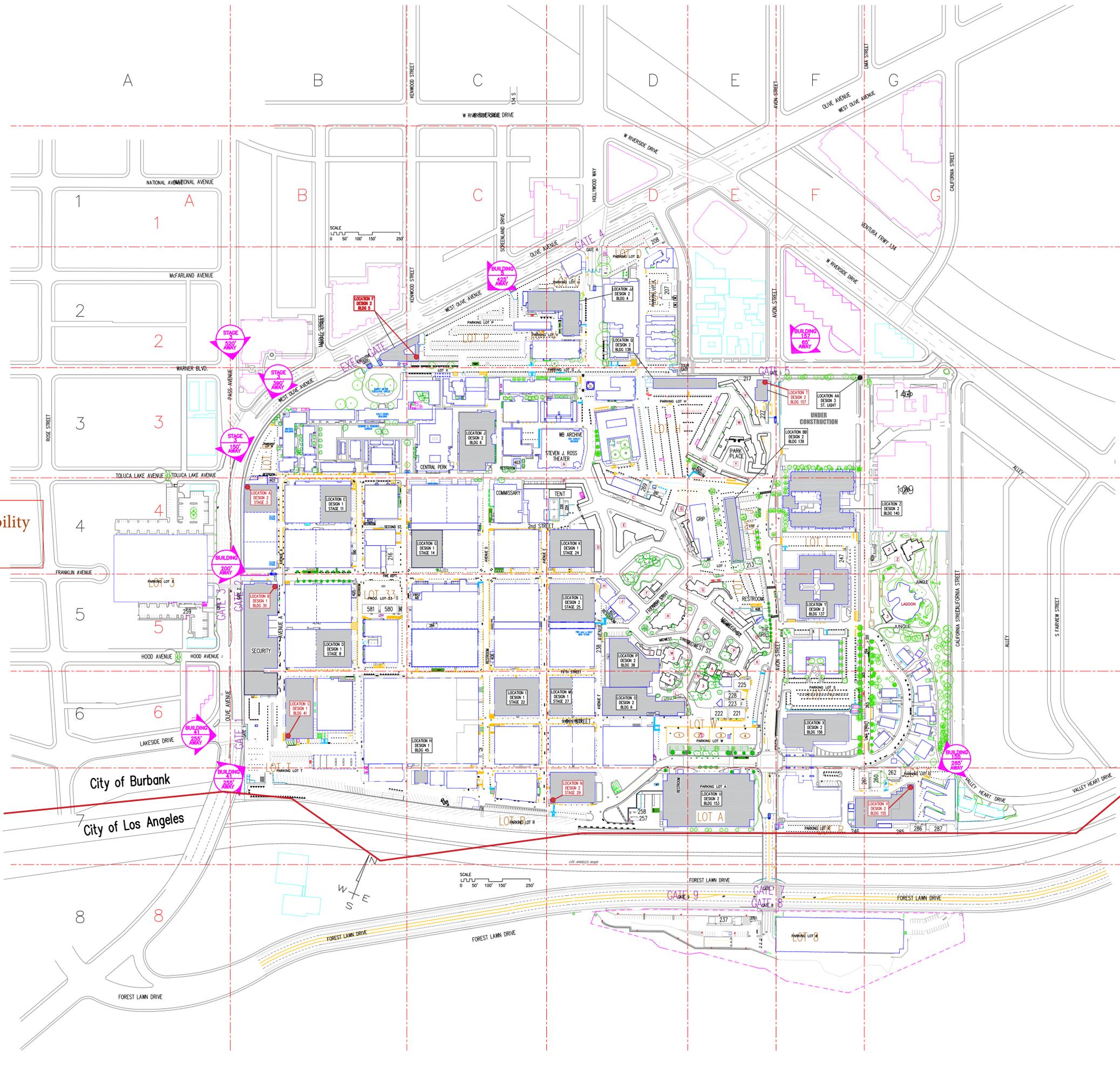
Visible from Public Right-of-Way; Included in Visual Analysis Report.

Drawings Reference Name	Building/Stage/ Light Location	Design Type	Visible from Street	Location ID	ATT Mounting Details	Plan Location
MMWV_RLOS_WB01_022	BLDG-45	Design 1	No	H	Building w/ Perm Fixtures	1-2 of page 61
MMWV_RLOS_WB01_023	STAGE-22	Design 1	No	I	Building w/ Perm Fixtures	3-4 of pages 61
MMWV_RLOS_WBR01_002_1	BLDG-153	Design 2	No	U	Building w/ Perm Fixtures	5-6 of pages 61
MMWV_RLOS_WBR01_003	Stage-137	Design 2	No	Y	Building w/ Perm Fixtures	7-8 of Page 61
MMWV_RLOS_WBR01_004_1	STAGE-157	Design 2	No	T	Building w/ Perm Fixtures	9-10 of Page 61
MMWV_RLOS_WBR01_004_2	BLDG-157 West Wall	Design 2	No	T	Building w/ Perm Fixtures	11-12 of Page 61
MMWV_RLOS_WBR02_005_1	BLDG-157 North Wall	Design 1	Yes	T	Building w/ Perm Fixtures	13-14 of Page 61
MMWV_RLOS_WBR01_005_1	BLDG-138	Design 2	No	Q	Building w/ Perm Fixtures	15-16 of Page 61
MMWV_RLOS_WBR01_005_2	BLDG-138	Design 2	No	Q	Building w/ Perm Fixtures	17-18 of Page 61
MMWV_RLOS_WBR01_006	BLDG-4	Design 2	No	J	Building w/ Perm Fixtures	19-20 of Page 61
MMWV_RLOS_WBR01_007	STAGE-3	Design 2	Yes	A	Building w/ Perm Fixtures	21-22 of Page 61

<b>MMWV_RLOS _WBR01_008</b>	STAGE-41	Design 1	Yes	<b>C</b>	Building w/ Perm Fixtures	23-24 61	of	Page
<b>MMWV_RLOS _WBR01_009</b>	STAGE-29	Design 2	No	<b>N</b>	Building w/ Perm Fixtures	25-26 61	of	Page
<b>MMWV_RLOS _WBR01_010</b>	STAGE-27	Design 1	No	<b>M</b>	Building w/ Perm Fixtures	27-28 61	of	Page
<b>MMWV_RLOS _WBR01_011</b>	STAGE-24	Design 1	No	<b>K</b>	Building w/ Perm Fixtures	29-30 61	of	Page
<b>MMWV_RLOS _WBR01_013 _1</b>	BLDG-54 / S25	Design 2	No	<b>L</b>	Building w/ Perm Fixtures	31-32 61	of	Page
<b>MMWV_RLOS _WBR01_013 _2</b>	BLDG-54 / S25	Design 2	No	<b>L</b>	Building w/ Perm Fixtures	33-34 61	of	Page
<b>MMWV_RLOS _WBR01_014</b>	BLDG-6	Design 2	No	<b>J</b>	Building w/ Perm Fixtures	35-36 61	of	Page
<b>MMWV_RLOS _WBR01_015</b>	STAGE-14	Design 1	No	<b>G</b>	Building w/ Perm Fixtures	37-38 61	of	Page
<b>MMWV_RLOS _WBR01_016</b>	BLDG-5	Design 2	Yes	<b>F</b>	Building w/ Perm Fixtures	39-40 61	of	Page
<b>MMWV_RLOS _WBR01_017</b>	STAGE-11	Design 1	No	<b>E</b>	Building w/ Perm Fixtures	41-42 61	of	Page
<b>MMWV_RLOS _WBR01_018</b>	STAGE-8	Design 1	No	<b>D</b>	Building w/ Perm Fixtures	43-44 61	Of	Page
<b>MMWV_RLOS _WBR01_019</b>	BLDG-30	Design 1	Yes	<b>B</b>	Building w/ Perm Fixtures	45-46 61	of	Page
<b>MMWV_RLOS _WBR01_021 _1</b>	BLDG-38	Design 2	No	<b>P</b>	Building w/ Perm Fixtures	47-48 61	of	Page

MMWV_RLOS _WBR01_024	BLDG-140	Design 2	No	<b>Z</b>	Building w/ Perm Fixtures	49-50 61	of Page
MMWV_RLOS _WBR01_025	BLDG-155	Design 2	Yes	<b>V</b>	Building w/ Perm Fixtures	51-52 61	of Page
MMWV_RLOS _WBR01_026 _1	BLDG-156	Design 2	No	<b>X</b>	Building w/ Perm Fixtures	53-54 61	of Page
MMWV_RLOS _WBR02_017 _2	BLDG-139 South Sector	Design 1	No	<b>BB</b>	Building w/ Perm Fixtures	55-56 61	of Page
MMWV_RLOS _WBR02_017 _3	BLDG-139 North Sector	Design 1	No	<b>BB</b>	Building w/ Perm Fixtures	57-58 61	of Page
MMWV_RLOS _WBR02_027 _1	Bldg-48	Design 1	No	<b>O</b>	Building w/ Perm	59-60 61	of Page

Callouts in red denote visibility from ROW



# LTE Justification Plots

Market Name: **Los Angeles**

Site: **Warner Bros**

ATOLL Plots Completion Date: **Apr 21, 2019**

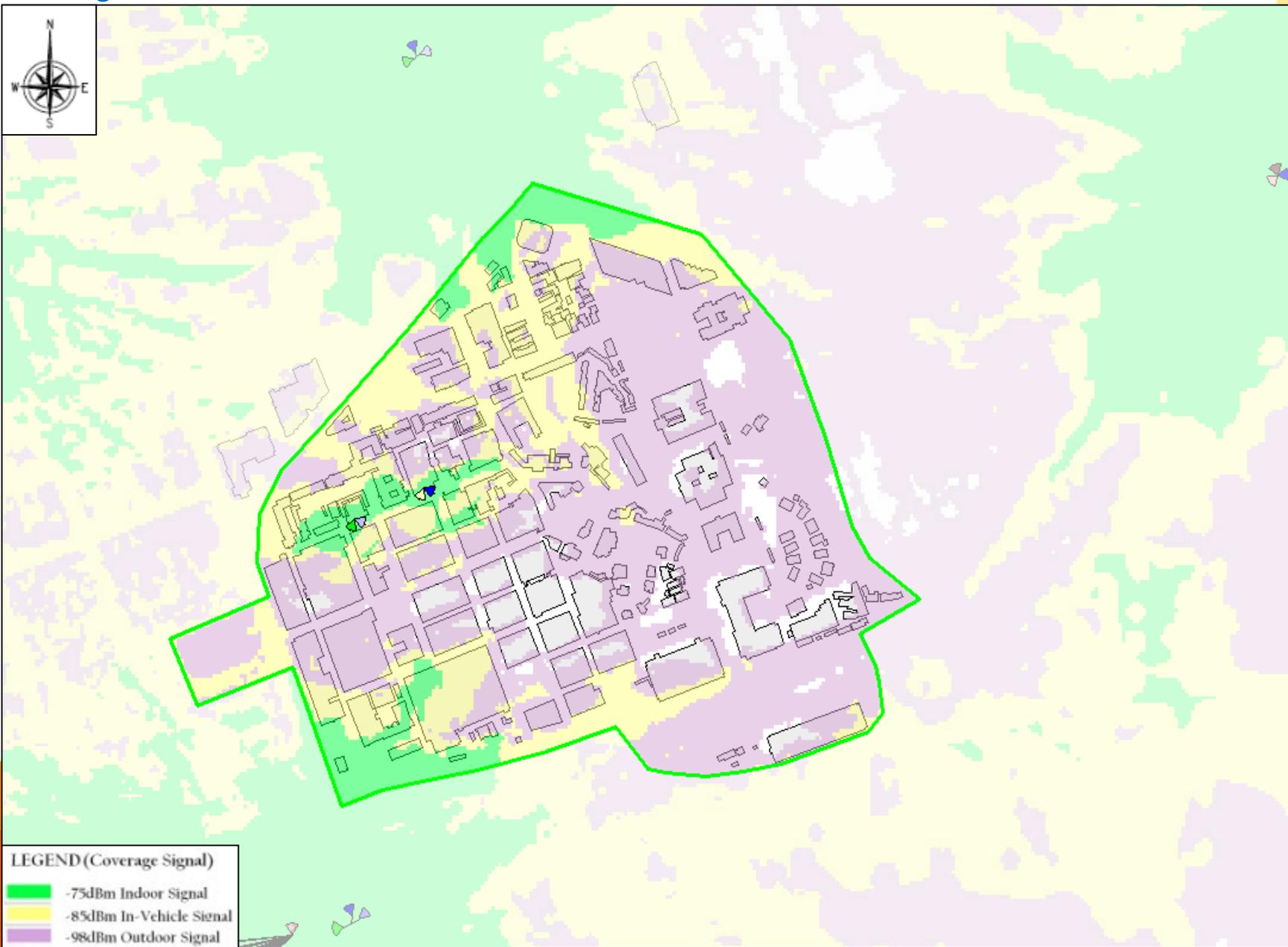
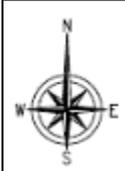


## Assumptions

- ❖ Propagation of the site plots are based on our current Atoll (Design tool) project tool that shows the preferred design of the AT&T 4G-LTE network coverage.
- ❖ The propagation referenced in this package is based on proposed LTE coverage of AT&T users in the surrounding buildings, in vehicles and at street level . For your reference, the scale shown ranges from good to poor coverage with gradual changes in coverage showing best coverage to marginal and finally poor signal levels.
- ❖ The plots shown are based on the following criteria:
  - **Existing:** Since LTE network modifications are not yet **On-Air**. The first slide is a snap shot of the area showing the existing site without LTE coverage in the AT&T network.
  - **The Planned LTE Coverage with the Referenced Site:** Assuming all the planned neighboring sites of the target site are approved by the jurisdiction and the referenced site is also approved and **On-Air**, the propagation is displayed with the planned legends provided.
  - **Without Target site:** Assuming all the planned neighboring sites are approved by the jurisdiction and **On-Air** and the referenced site is **Off-Air**, the propagation is displayed with the legends provided.



# LTE Coverage Before

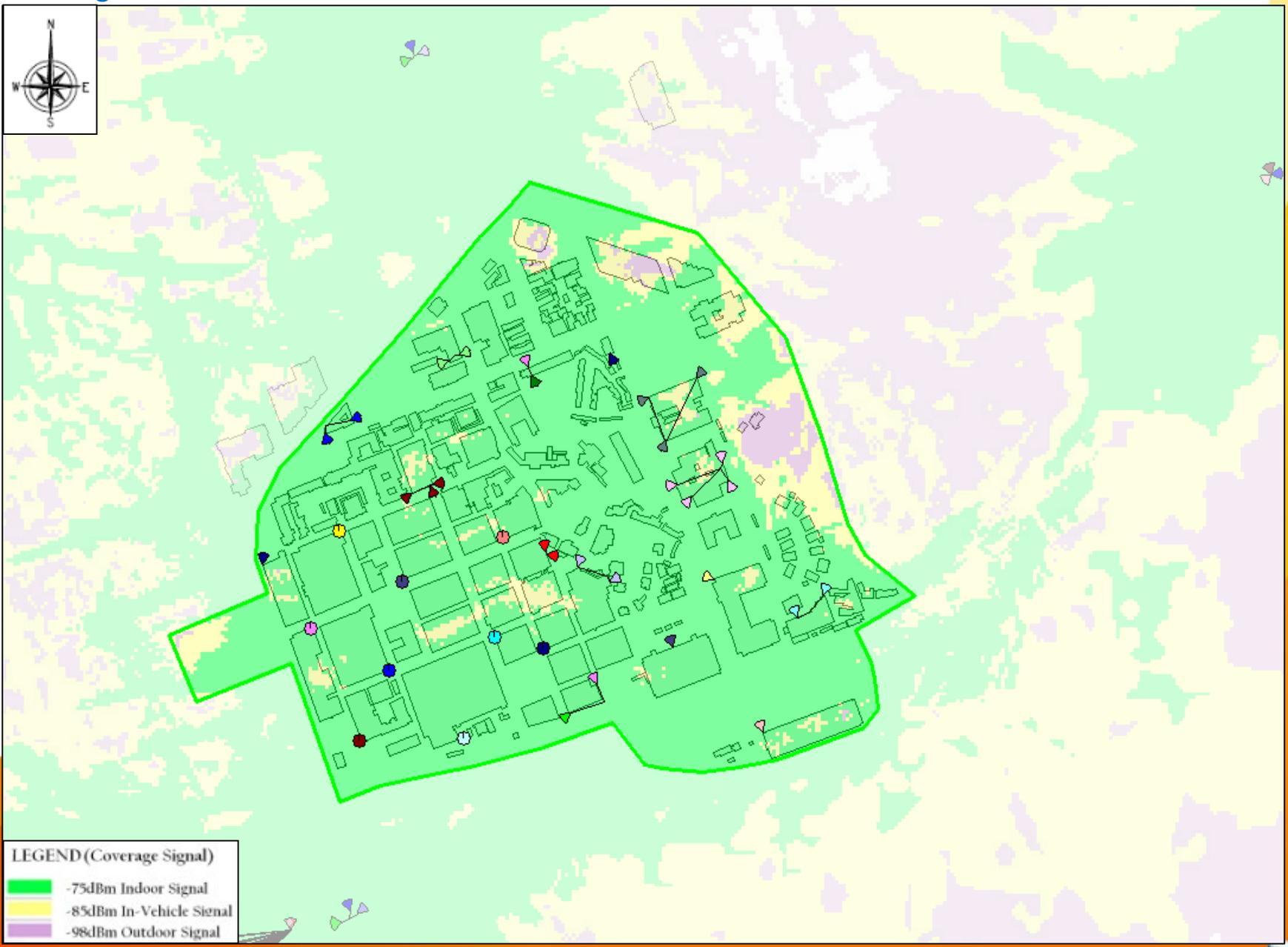


**LEGEND(Coverage Signal)**

	-75dBm Indoor Signal
	-85dBm In-Vehicle Signal
	-98dBm Outdoor Signal



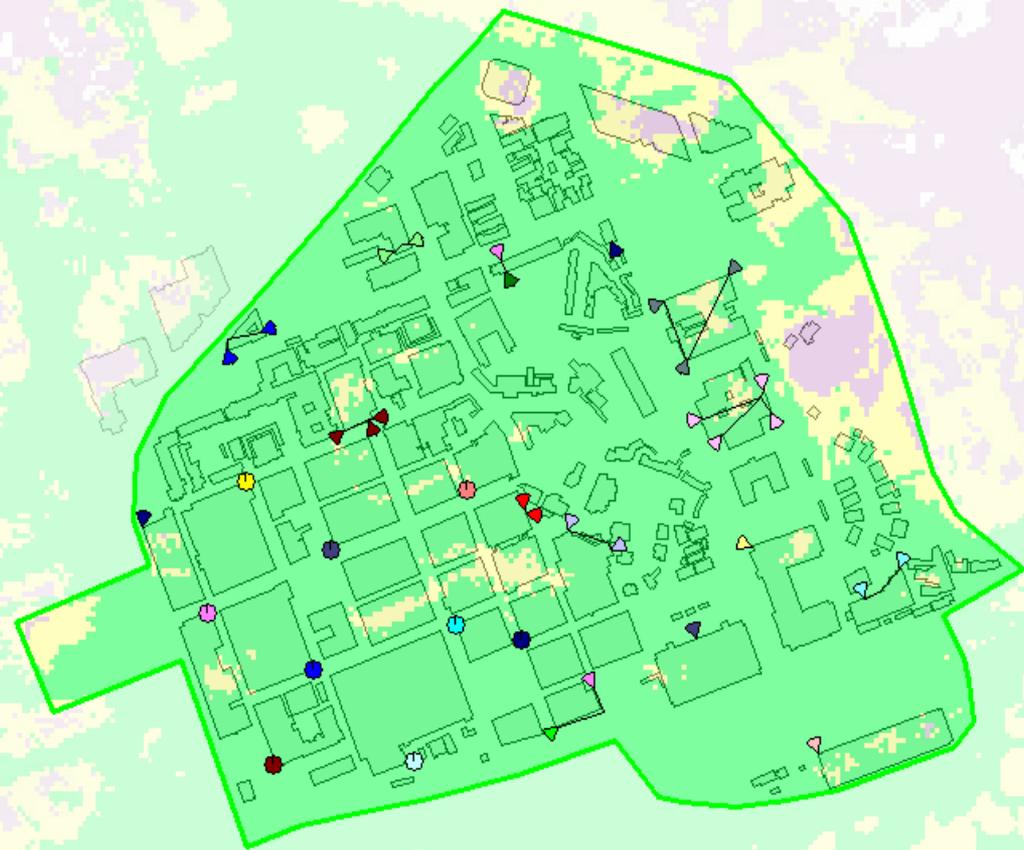
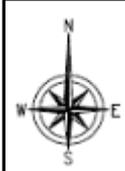
# LTE Coverage After



**LEGEND(Coverage Signal)**  
-75dBm Indoor Signal  
-85dBm In-Vehicle Signal  
-98dBm Outdoor Signal



# LTE Coverage standalone



**LEGEND(Coverage Signal)**

	-75dBm Indoor Signal
	-85dBm In-Vehicle Signal
	-98dBm Outdoor Signal



# Coverage Legend



**In-Building Service:** In general, the areas shown in dark green should have the strongest signal strength and be sufficient for most in-building coverage. However, in-building coverage can and will be adversely affected by the thickness/construction type of walls, or your location in the building (i.e., in the basement, in the middle of the building with multiple walls, etc.)

**In-Transit Service:** The areas shown in the yellow should be sufficient for on-street or in-the-open coverage, most in-vehicle coverage and possibly some in-building coverage.

**Outdoor Service:** The areas shown in the purple should have sufficient signal strength for on-street or in-the-open coverage, but may not have it for in-vehicle coverage or in-building coverage.

# MMWV\_RLOS\_WBR02-005-1\_Bldg-157

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBR02-005-1\_Bldg-157

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**

**MMWV\_RLOS\_WBR01\_004\_2 Bldg 157**

**4000 Warner Boulevard  
Burbank, CA 91522**



**Location  
Map**



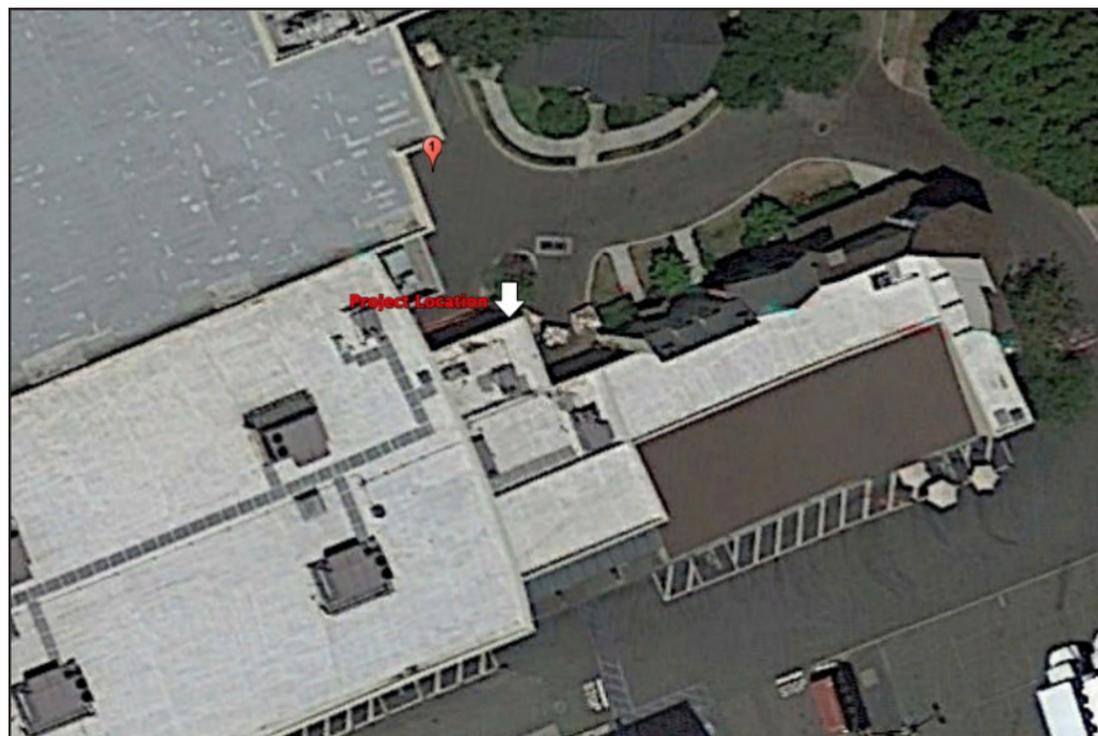
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBR02\_027\_1

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**

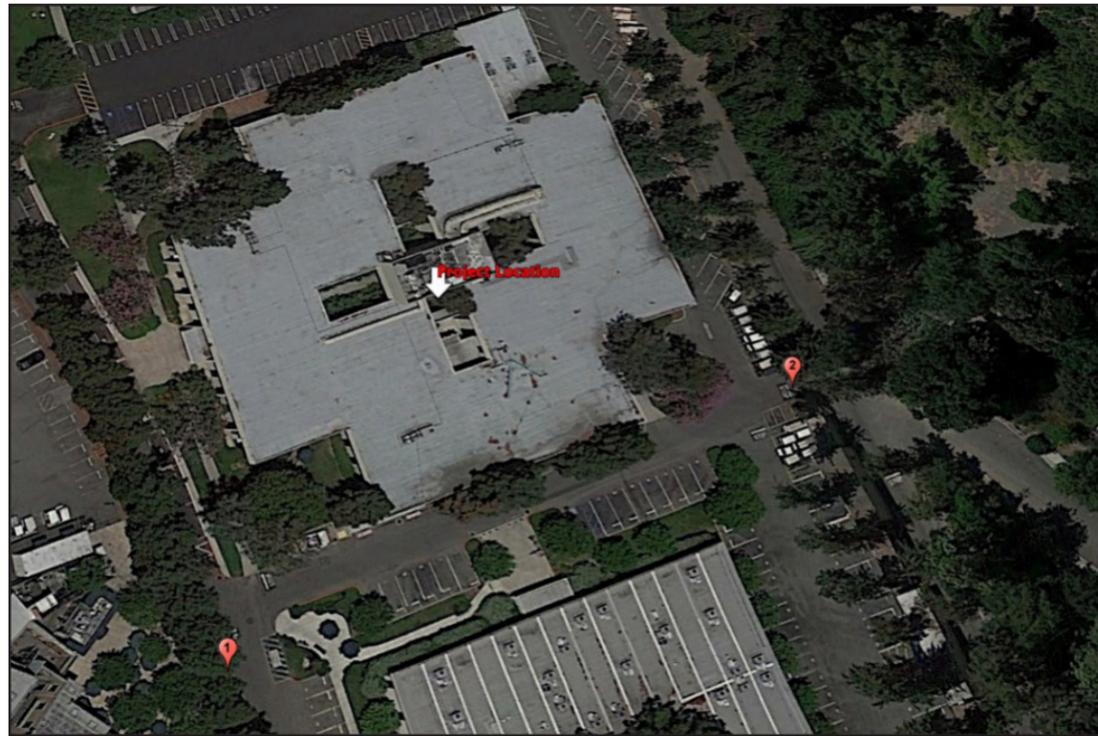


- Proposed AT&T
- (1) AIR 5331 Antenna
  - (1) Kathrein Antenna (84010564)
  - (1) 2205 Radio
  - (4) 2203 Radios
  - (1) Raycap Surge Protector
  - (1) AWS DiPlexer
  - (1) PSU AC08

**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_003 Bldg 137 5G

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



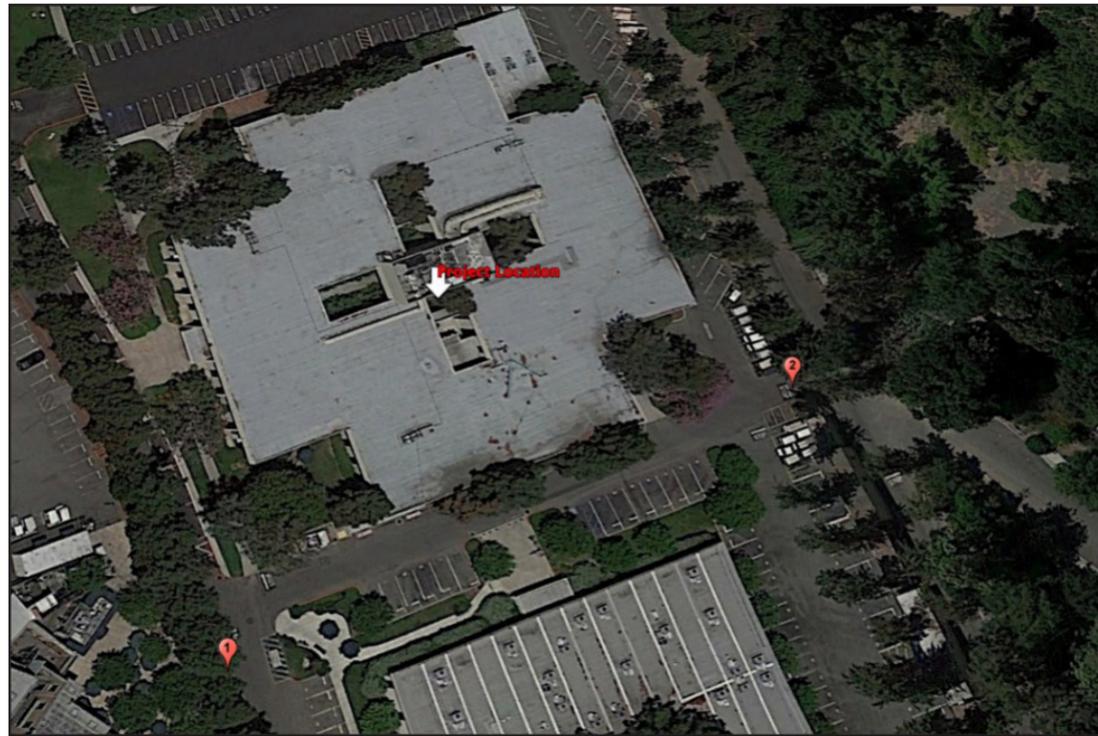
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_003 Bldg 137

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Burbank, CA 91522



**Location  
Map**



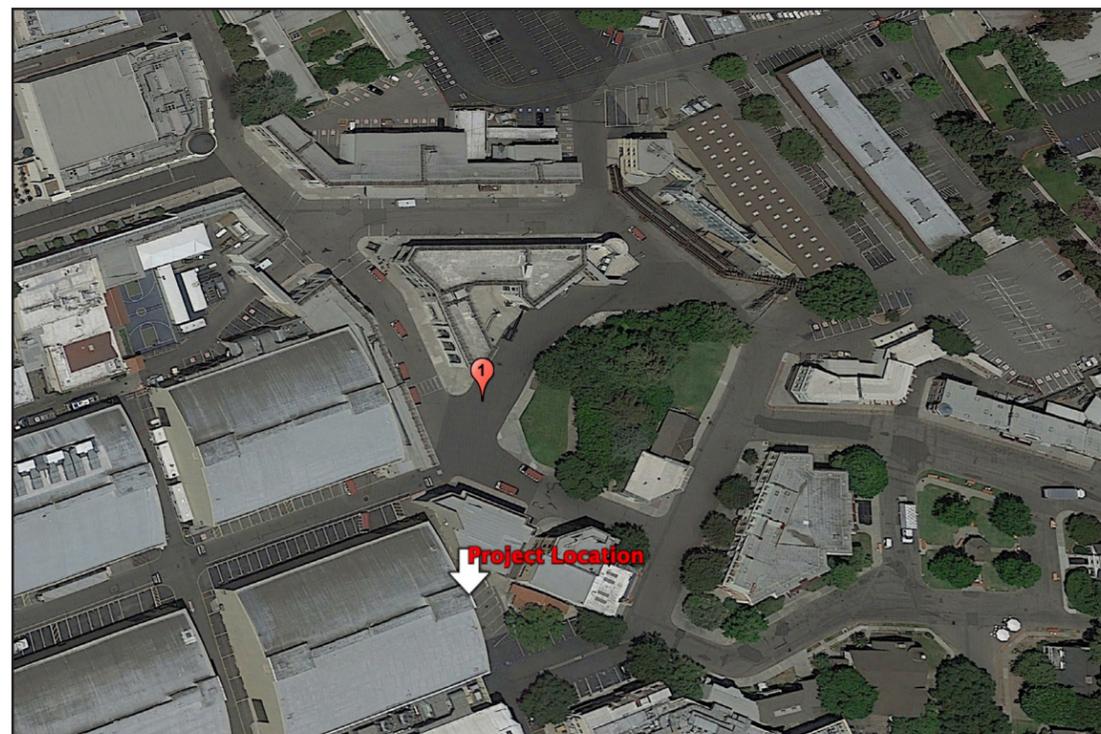
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_013\_1 Bldg 54

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



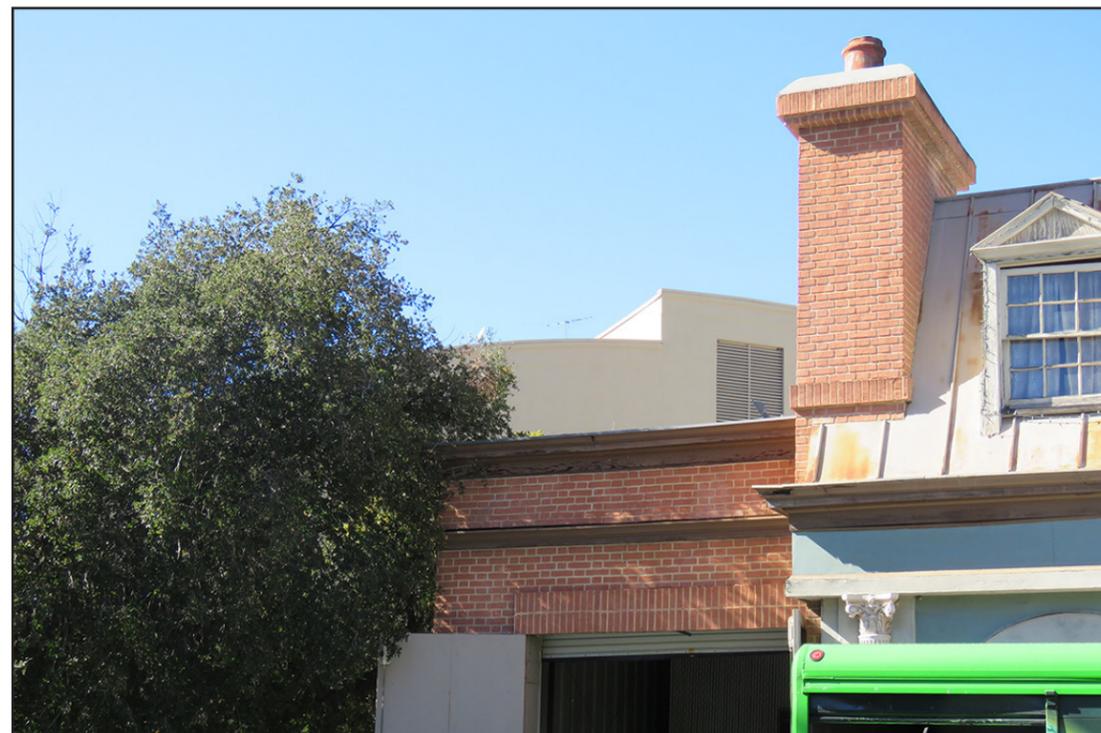
**Proposed Site  
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# MMWV\_RLOS\_WBRO1\_013\_2 Bldg 54

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



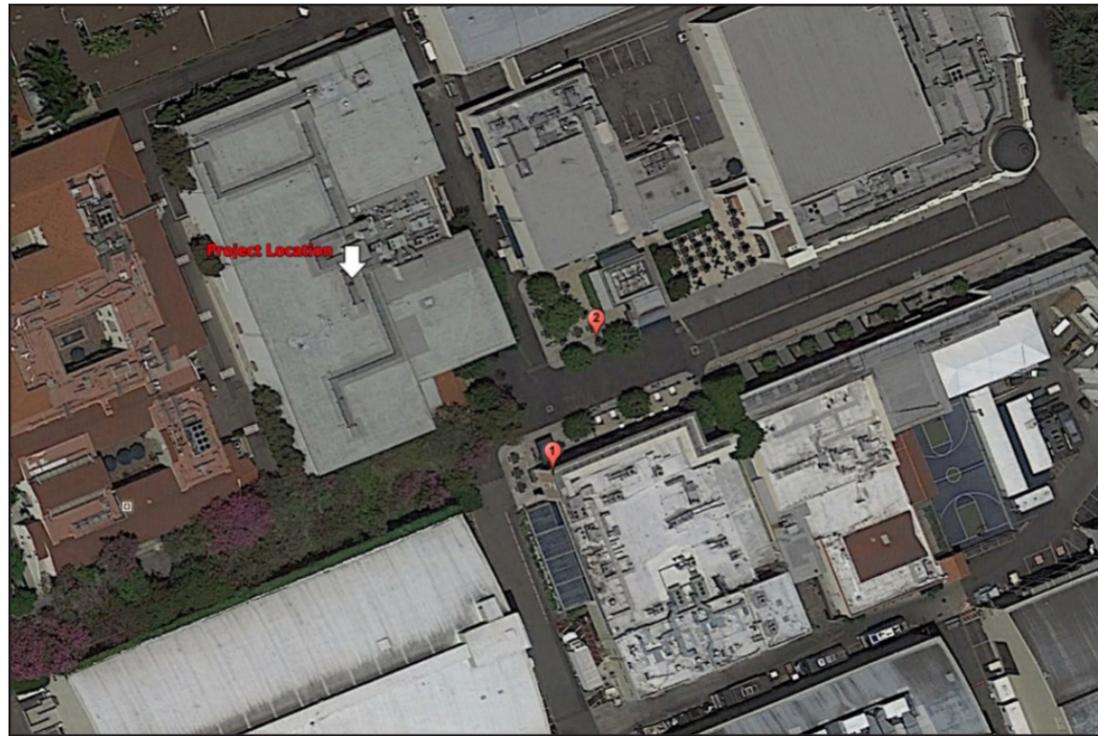
**Existing Site  
Conditions**



**Proposed Site  
Build**

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4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



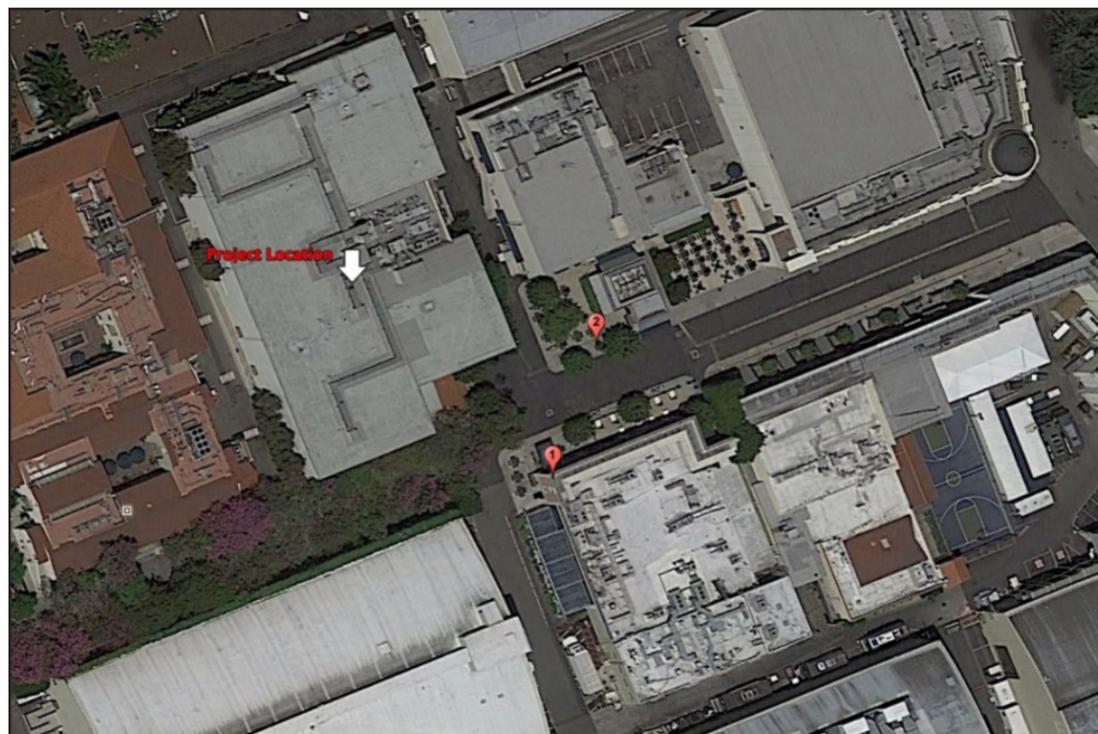
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_014 Bldg 6

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_014 Bldg 6

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



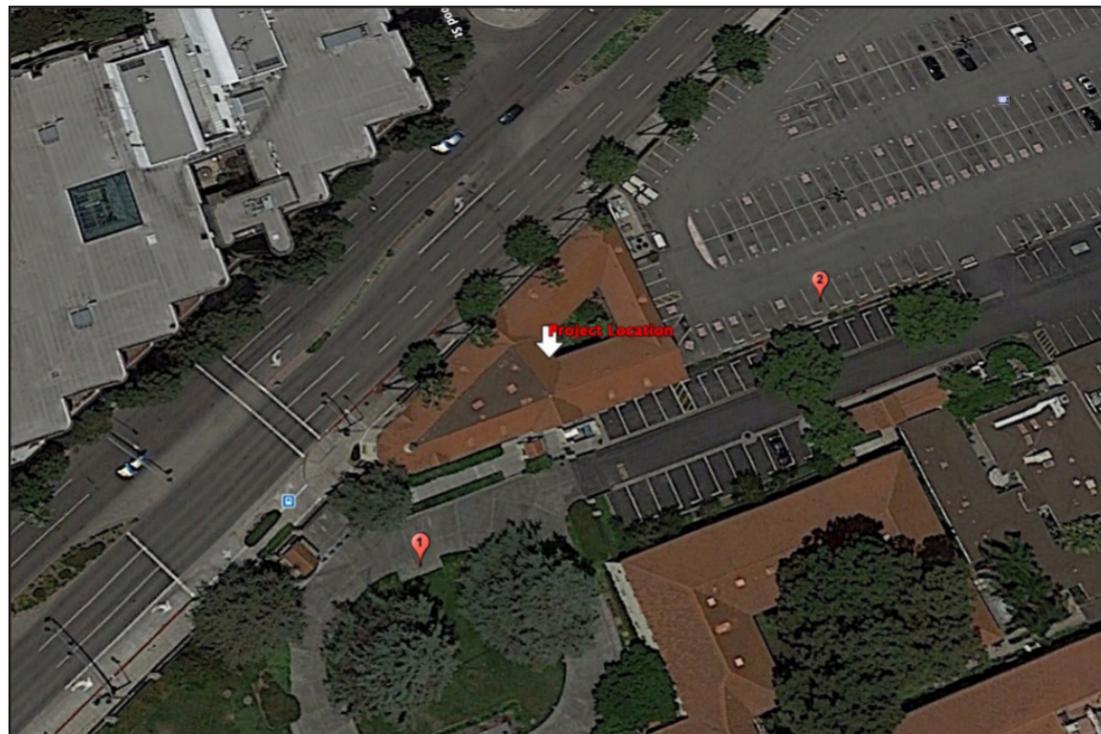
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_016 Bldg 5

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



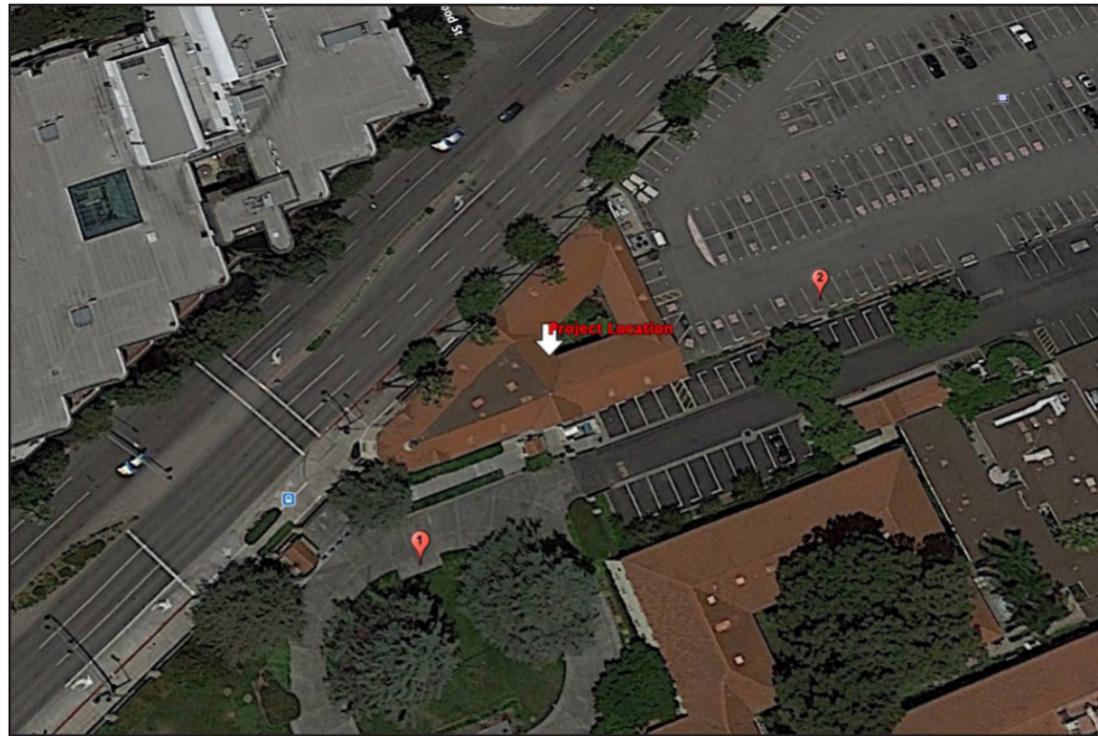
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_016 Bldg 5

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**

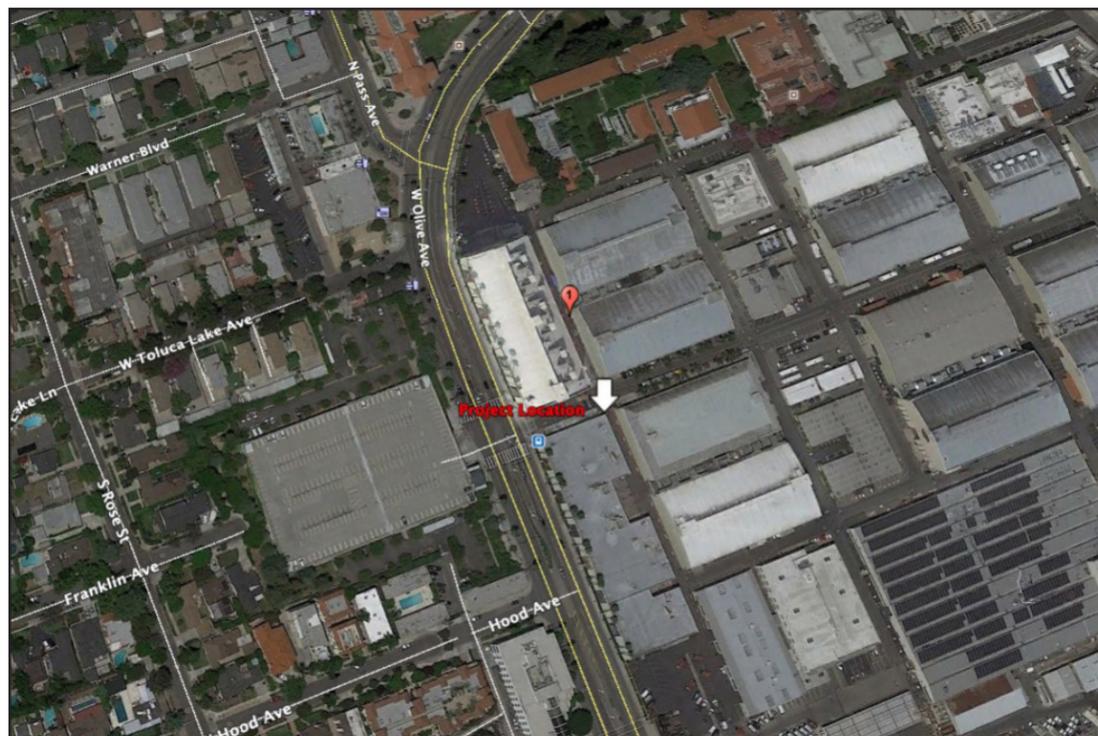


**Proposed Site  
Build**



# MMWV\_RLOS\_WBRO1\_019 Bldg 30

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_024 Bldg 140

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_024 Bldg 140

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_024 Bldg 140

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**

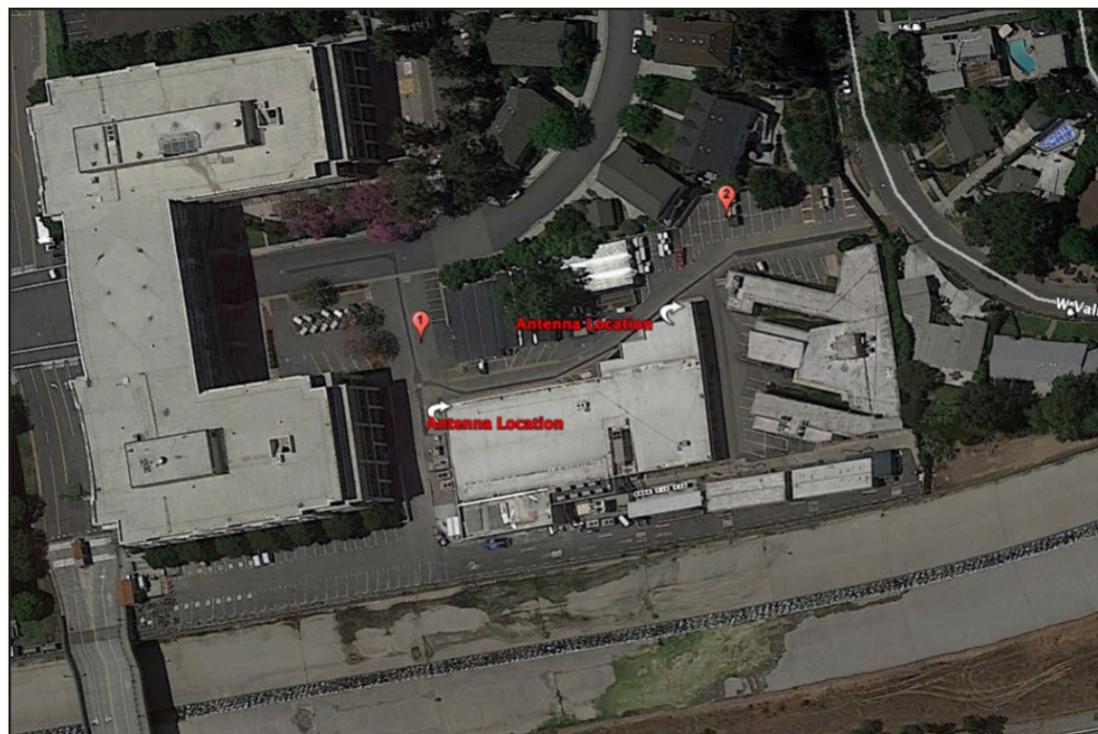


**Proposed Site  
Build**



# MMWV\_RLOS\_WBRO1\_025 Bldg 155

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



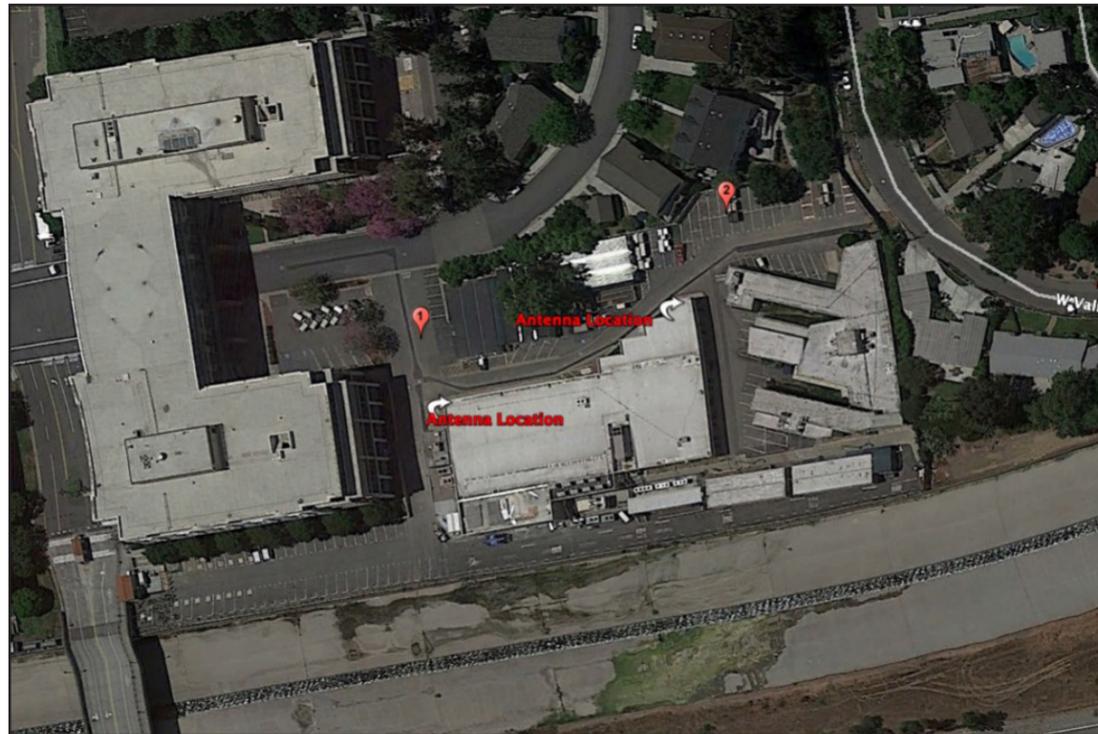
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_025 Bldg 155

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBR01-002-1\_Bldg-153

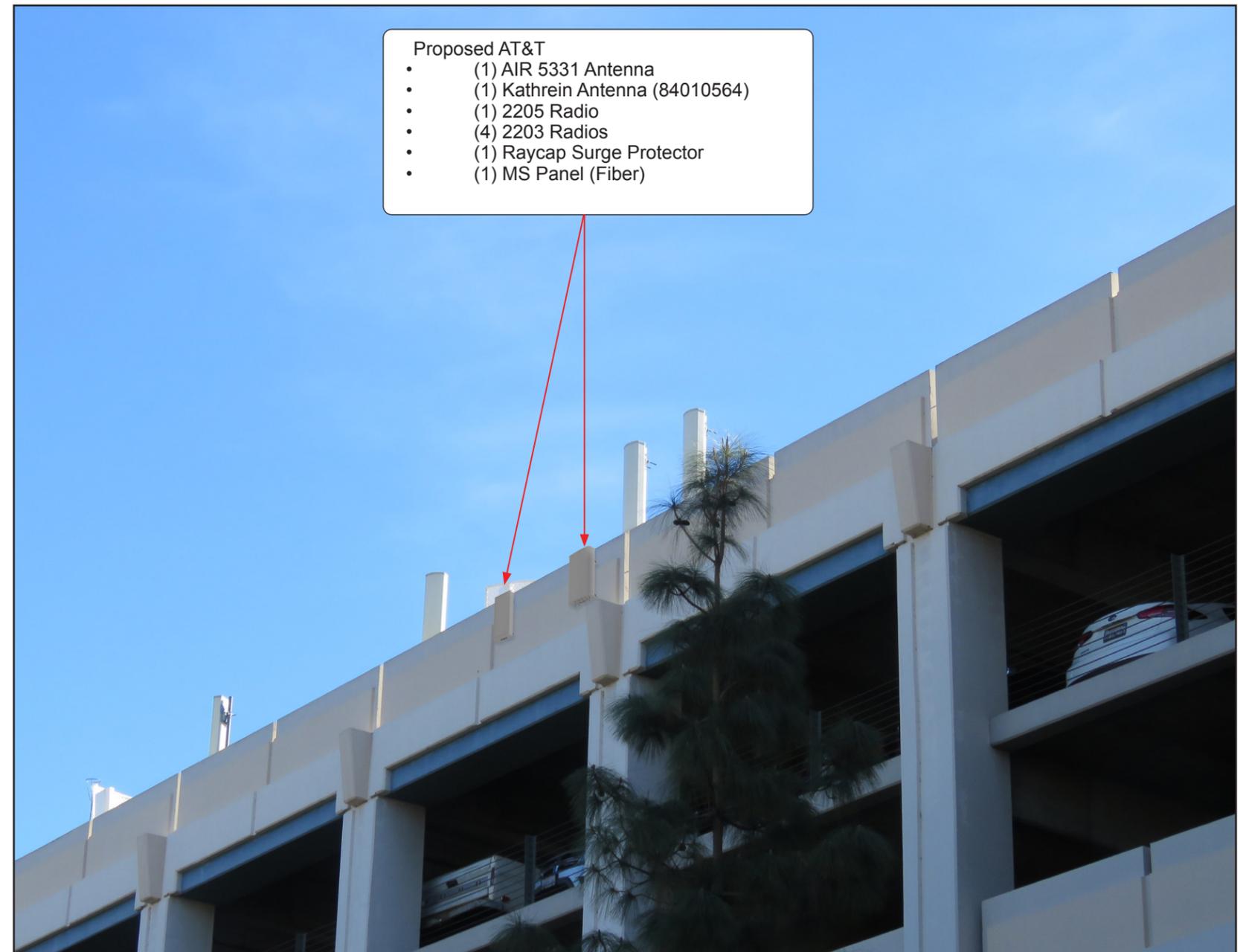
4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



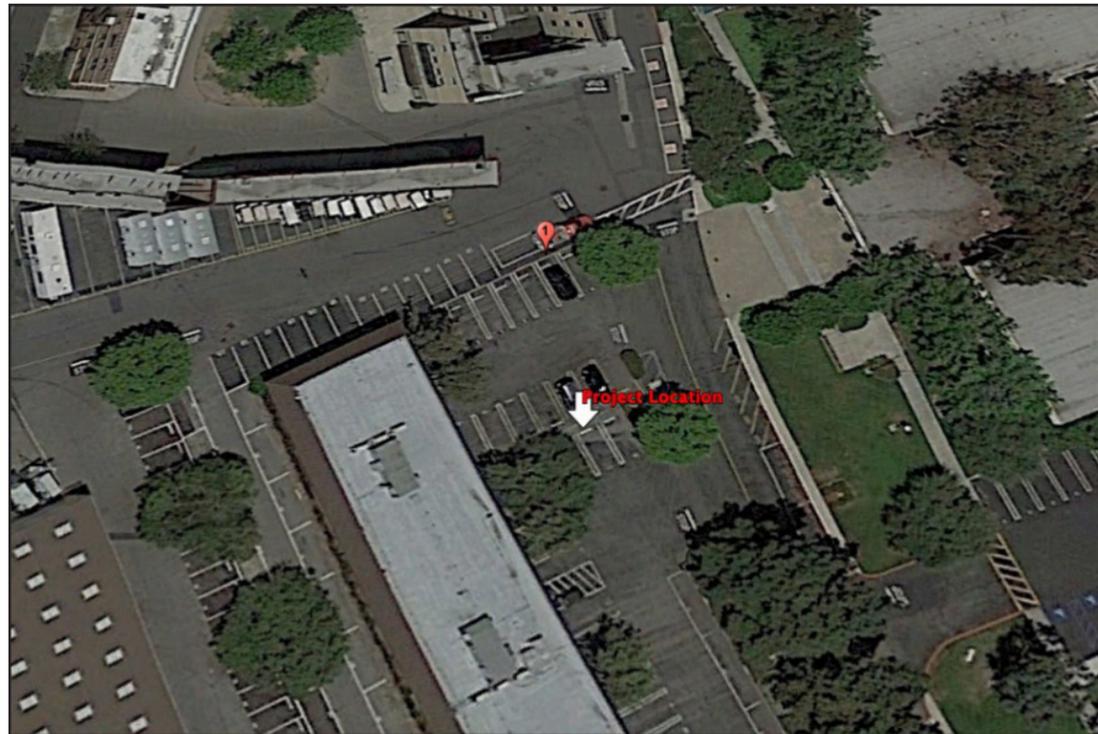
**Existing Site  
Conditions**



**Proposed Site  
Build**

**MMWV\_RLOS\_WBR02\_017\_1 Bldg 139**

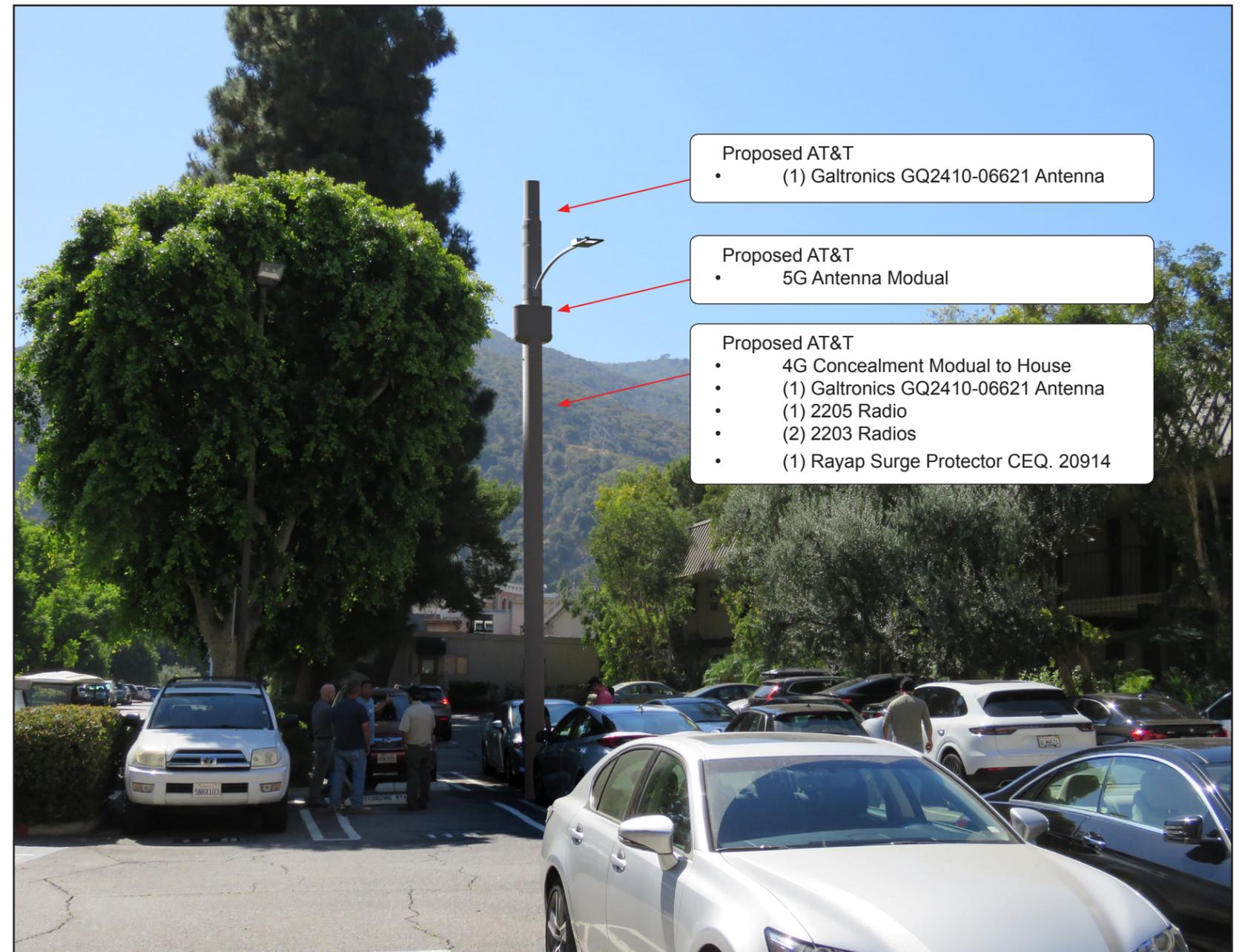
**4000 Warner Boulevard  
Burbank, CA 91522**



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**

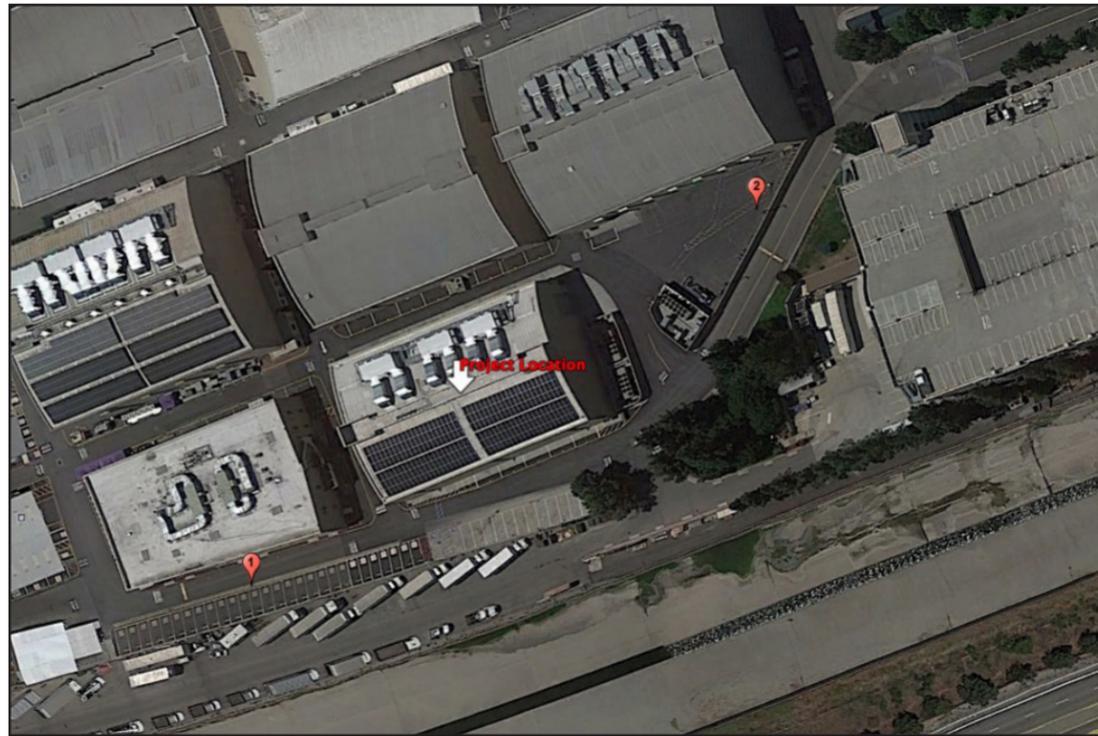
Proposed AT&T  
 • (1) Galtronics GQ2410-06621 Antenna

Proposed AT&T  
 • 5G Antenna Modul

Proposed AT&T  
 • 4G Concealment Modul to House  
 • (1) Galtronics GQ2410-06621 Antenna  
 • (1) 2205 Radio  
 • (2) 2203 Radios  
 • (1) Rayap Surge Protector CEQ. 20914

# MMWV\_RLOS\_WBRO1\_009 Bldg 42 S29

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



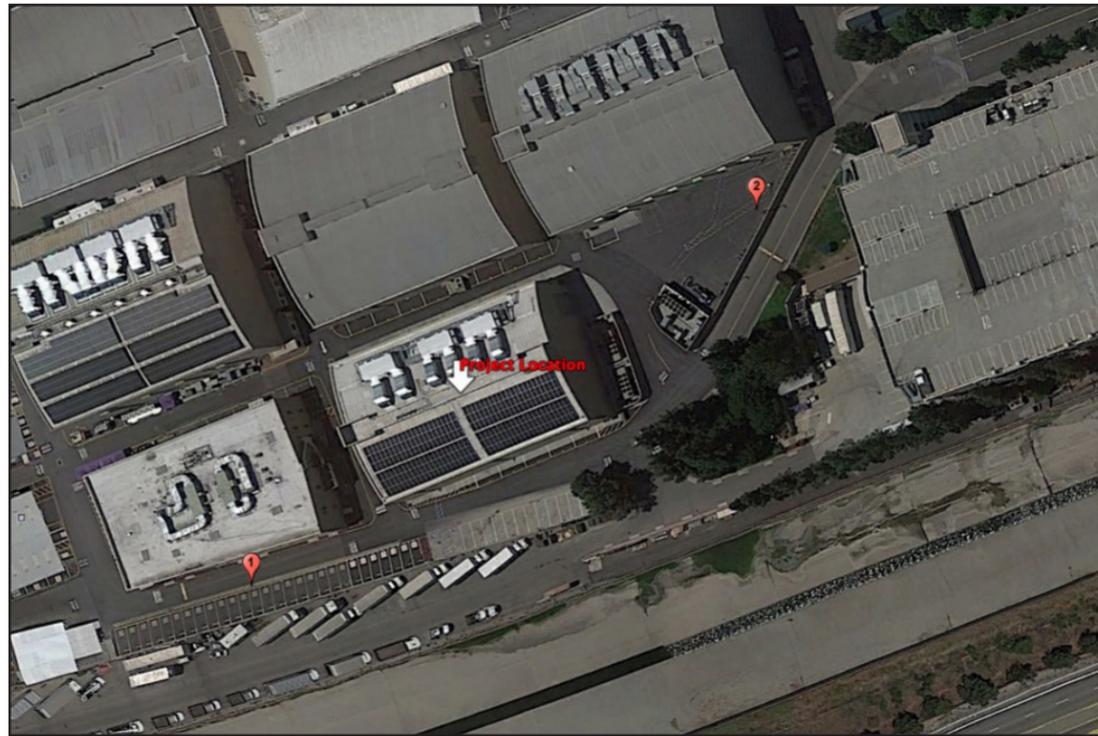
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_009 Bldg 42 S29

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



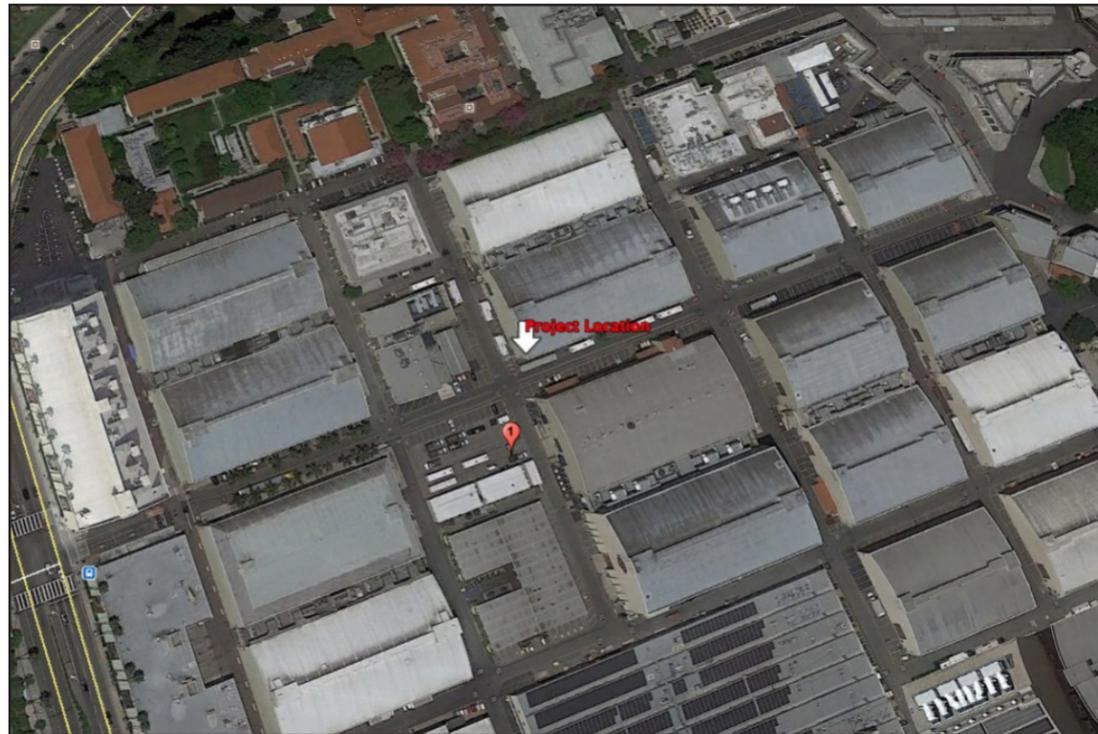
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_015 Bldg 27 S14

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



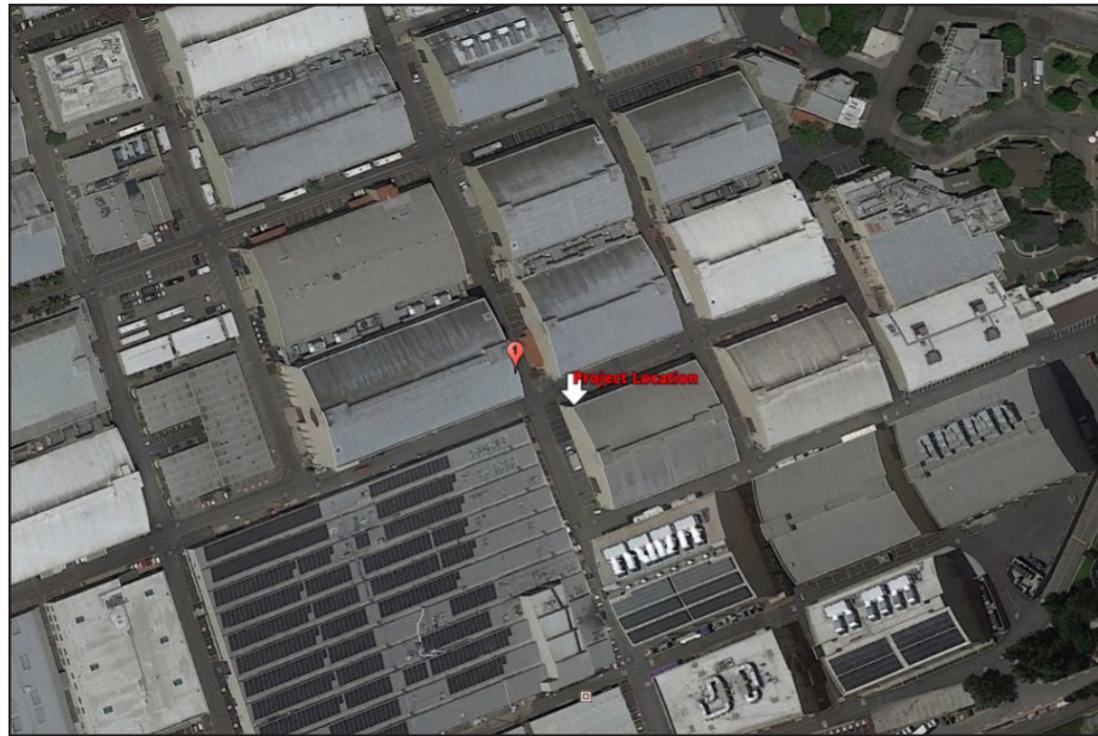
**Existing Site  
Conditions**



**Proposed Site  
Build**

# MMWV\_RLOS\_WBRO1\_023 Bldg S22 5G

4000 Warner Boulevard  
Burbank, CA 91522



**Location  
Map**



**Existing Site  
Conditions**



**Proposed Site  
Build**