

## Alexis Green

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**From:** Alexis Green  
**Sent:** Thursday, February 29, 2024 5:05 PM  
**To:** 'Brazee, Olivia (PARKS)'  
**Cc:** 'Herter, Nancy (PARKS)'; Chris Robinson; Sloane.Bullough@parks.ny.gov  
**Subject:** EBI# 6123006709, 741 Columbus Ave, New York, E106# 0010740923, NOT BUILT  
**Attachments:** Link5G MN-07-120527\_A Balloon Test-V2.pdf

Dear Sloane and Olivia,

EBI received concurrence for this site from your office on December 28, 2023. EBI provided the Consulting Parties Comment Summary Form and all comments on December 29, 2023. Your office then retracted concurrence on December 30, 2023 and asked for relocation based on potential visibility from Central Park and other historic resources included in the FCC Submission Packet and Consulting Party comments. EBI provided additional visibility analysis on January 8, 2024. Your office responded with concurrence of No Effect to historic properties on January 10, 2024. The consulting party comment summary form and comments were provided to your office on February 9, 2024. Your office responded on February 12, 2024 requesting a mock up of the proposed pole with photographs to demonstrate the actual visibility/non-visibility of the tower from Central Park. EBI contacted your office to get clarification on what the requested mock up should entail. Your office indicated that a balloon or balloons with the same width as the proposed pole and raised to the height of the proposed tower would be sufficient.

Sigma Technologies conducted the balloon test on February 21, 2024. Please see the attached report which provides the details of the test, such as the height and width of the balloons, weather conditions and multiple photographs of the balloon. The test resulted in minimal visibility of the balloons from the boundary of Central Park and within its grounds. There will be no visibility of the pole through the trees during leaf on seasons from Central Park. It should be noted that the balloons used were white while the pole will be aluminum. The white balloons are more highly visible than the pole will be.

Given the results of the attached report, EBI continues to believe the proposed pole will have No Effect on historic resources within the Area of Potential Effects and request your concurrence.

This email and report have been shared with the consulting parties.

Sincerely,  
Alexis

### Alexis Green

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# **VISUAL RESOURCE EVALUATION**

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## **PROPOSED 32'-6" TALL LINK5G TELECOMM STRUCTURE**

**BOLDYN CANDIDATE ID: MN-07-120527\_A  
LAT, LONG: 40.7933795, -73.9670098  
X, Y: 993384.73, 228328.19  
STREET ADDRESS: 741 COLUMBUS AVE, NEW  
YORK, NY 10025  
SURVEY DATE: 02/21/2024**

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**PREPARED FOR BOLDYN NETWORKS BY SIGMA  
TECHNOLOGIES.**

**FEBRUARY 26, 2024**

## VISUAL RESOURCE EVALUATION

Sigma Technologies was tasked with conducting a "Visual Resource Evaluation" to assess whether the proposed 32'-6" high Link5G telecom node, located at 741 Columbus Ave, New York, NY 10025, would have any visual impact on Central Park in New York City.

## CONDITION

Situated at 741 Columbus Ave, New York, NY 10025, the proposed site was subject to field study during the winter season, specifically chosen for 100% leaf-off conditions. This selection represents a worst-case scenario, maximizing structure visibility due to the absence of leaves on surrounding deciduous vegetation.

## METHOD

On Wednesday, February 21, 2024, Sigma Technologies conducted a field investigation to evaluate the viewshed associated with the proposed installation of the 32'-6" foot tall Link5G pole (structure). The weather conditions during the investigation were mostly cloudy, with temperatures around 37°F, and wind speeds of approximately 5.6 mph blowing towards the Southeast. The atmospheric pressure was recorded at 30.4 inHg, with a humidity level of 52%. The study area encompassed W 97th St between Columbus Ave and Central Park West, as well as the edge of Central Park adjacent to W 97th St and Central Park West, as highlighted in the map below.

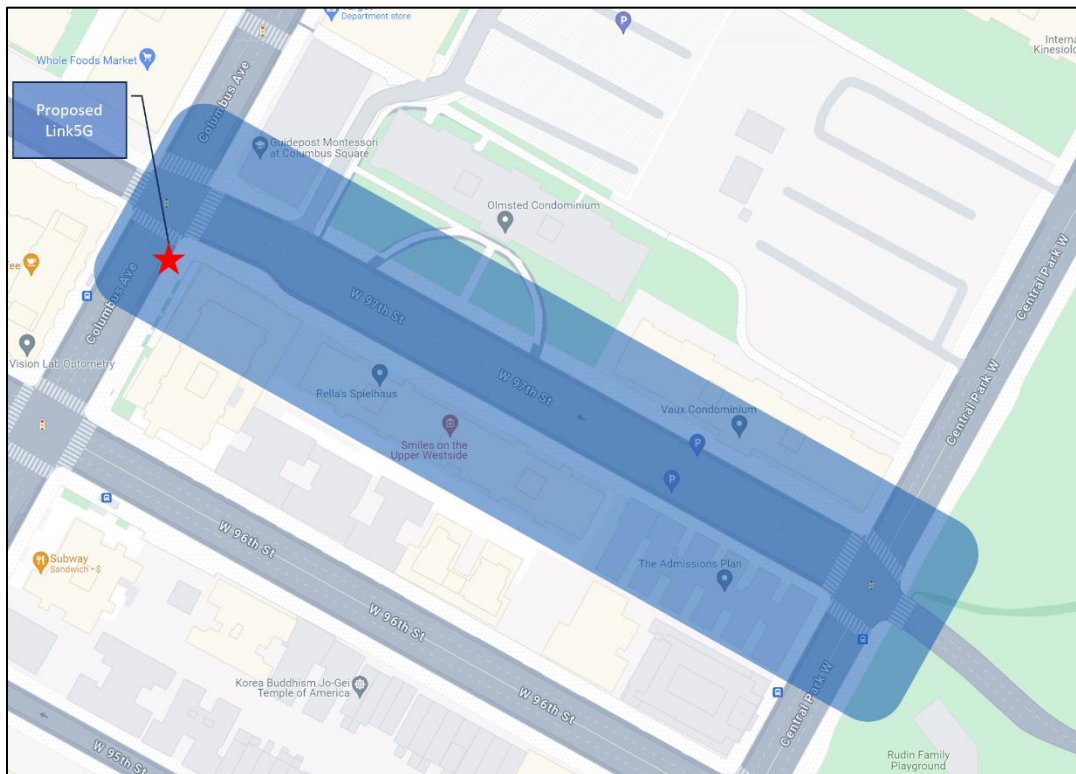


Figure 1 - Study Area. Credit: GoogleMap 2024

The methodology employed in this field investigation is known as a “balloon test.” To simulate the height of the proposed structure, four 18”-diameter helium-filled balloons were utilized, stacked in pairs floated at a height of 32’-6” above ground level (AGL). These balloons served as reference points for both height and location, and their known dimensions facilitated the production of later photo simulations.

Sigma conducted a thorough examination of the study area to verify the potential visibility of the structure as indicated by the viewshed map. The analysis revealed that the proposed structure would be observable from multiple points within the study area, including the periphery and interior of Central Park, as well as along Central Park West and W 97th St. Photographs were captured from various viewpoints within the study area to document the actual sightlines toward the proposed structure and to provide an overview of the surrounding scenery. Each attached photograph is accompanied by a brief description detailing its location and orientation, with the photo number corresponding to the key number on the viewshed map for easy reference.

## **PROCESS**

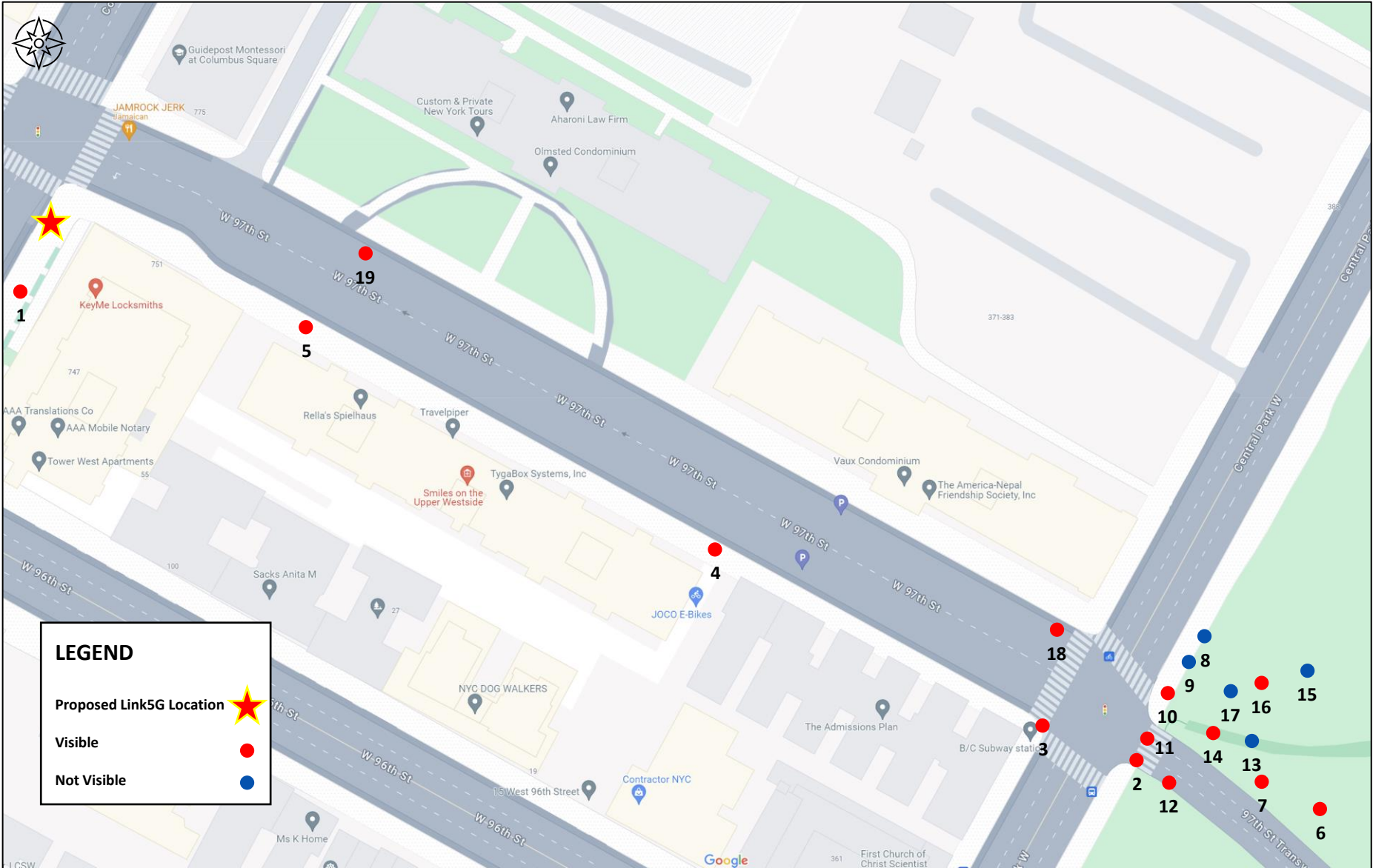
Images of the weather balloon from the specified viewpoints were captured using a Sony Alpha 6600 camera equipped with a SIGMA 30mm focal length lens. This lens selection was made by field personnel to closely replicate the perspective observed by the human eye.

To assess the potential visual effects of the proposed structure, Sigma captured photographs of the balloons from various locations within the search area, intending to compile visual representations of the structure's impact. Specifically, photographs corresponding to designated view numbers (#1, 2, 3, 5, etc.) of the proposed structure were generated by photographing the suspended balloons.

## **CONCLUSION**

The Viewshed Analysis Map offers a cautious outline of the visible area within the study region, encompassing public roadways and parks. The photo simulations, created according to the methodology outlined earlier, offer a broad representation of the structure's appearance as viewed from the photographed vantage points.















Looking North on Columbus Ave toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 43'$ .



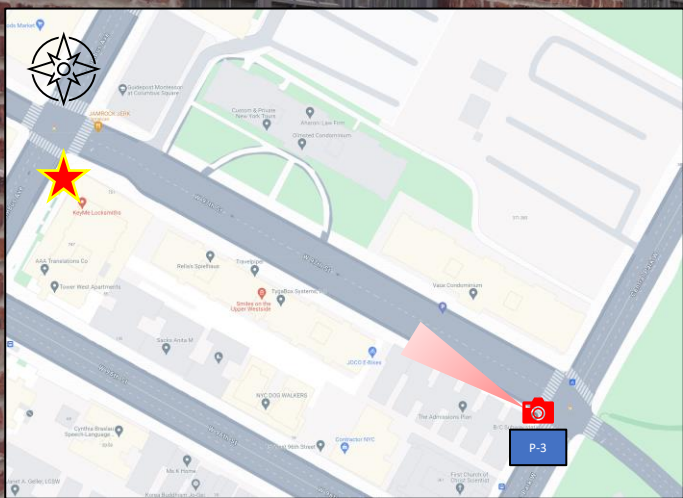
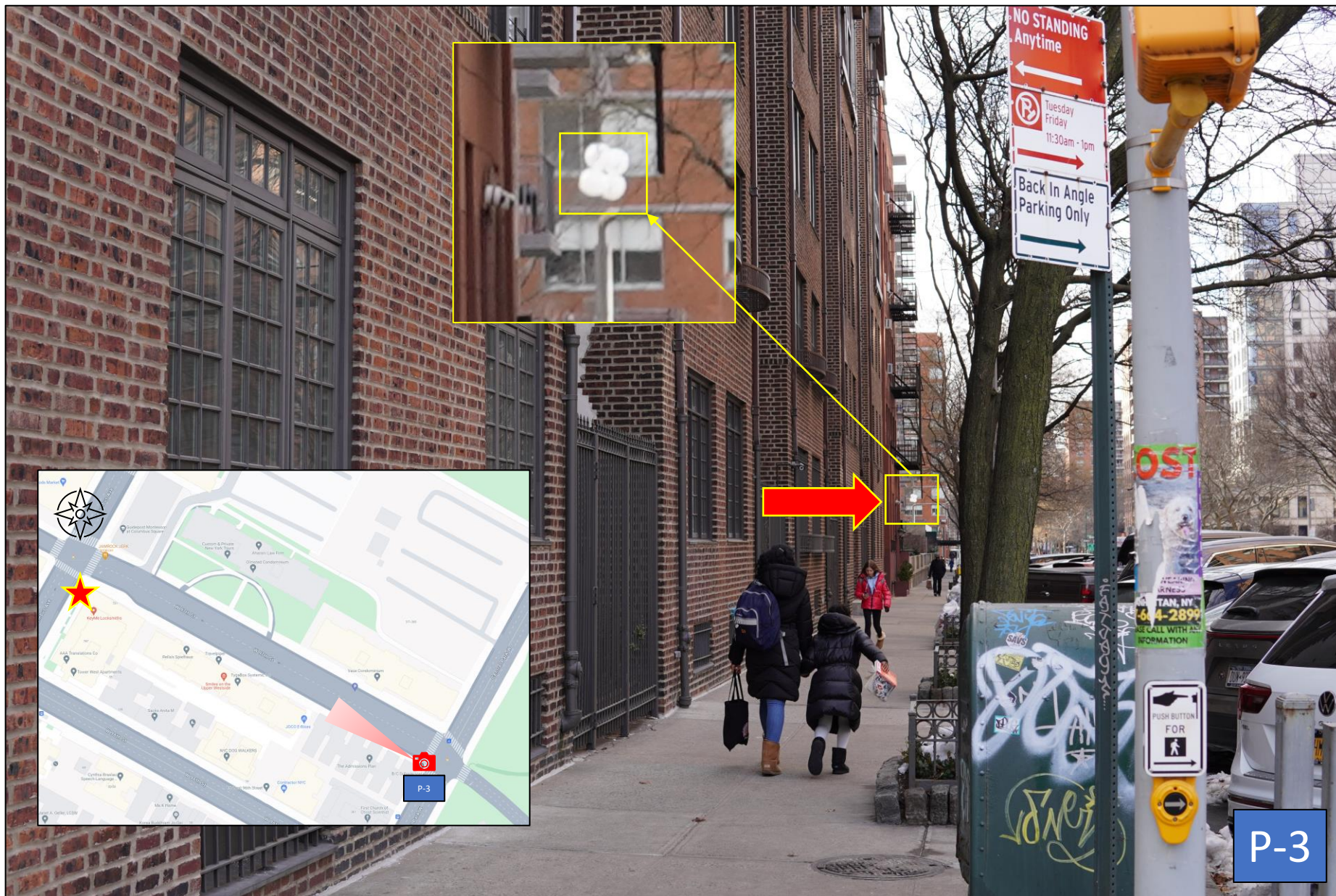


Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation.  
Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 910'$ .





Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation.  
Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 830'$ .





Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation.  
Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 550'$ .





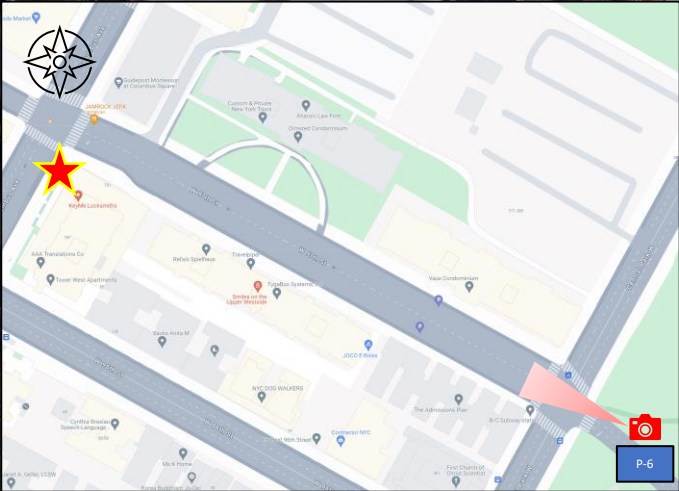
Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 230'$ .



P-5

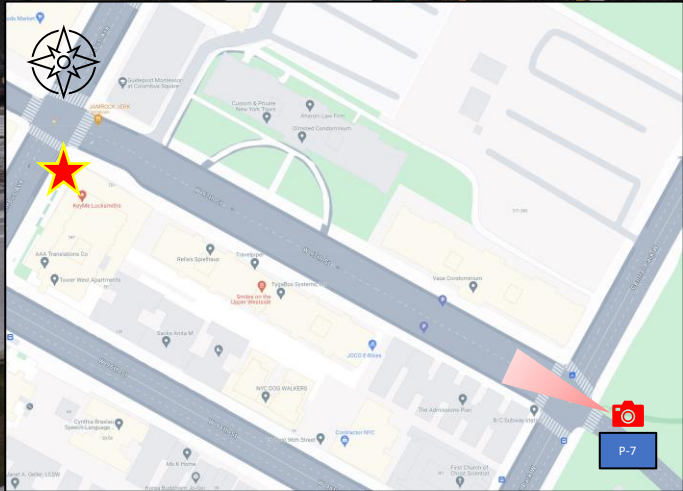
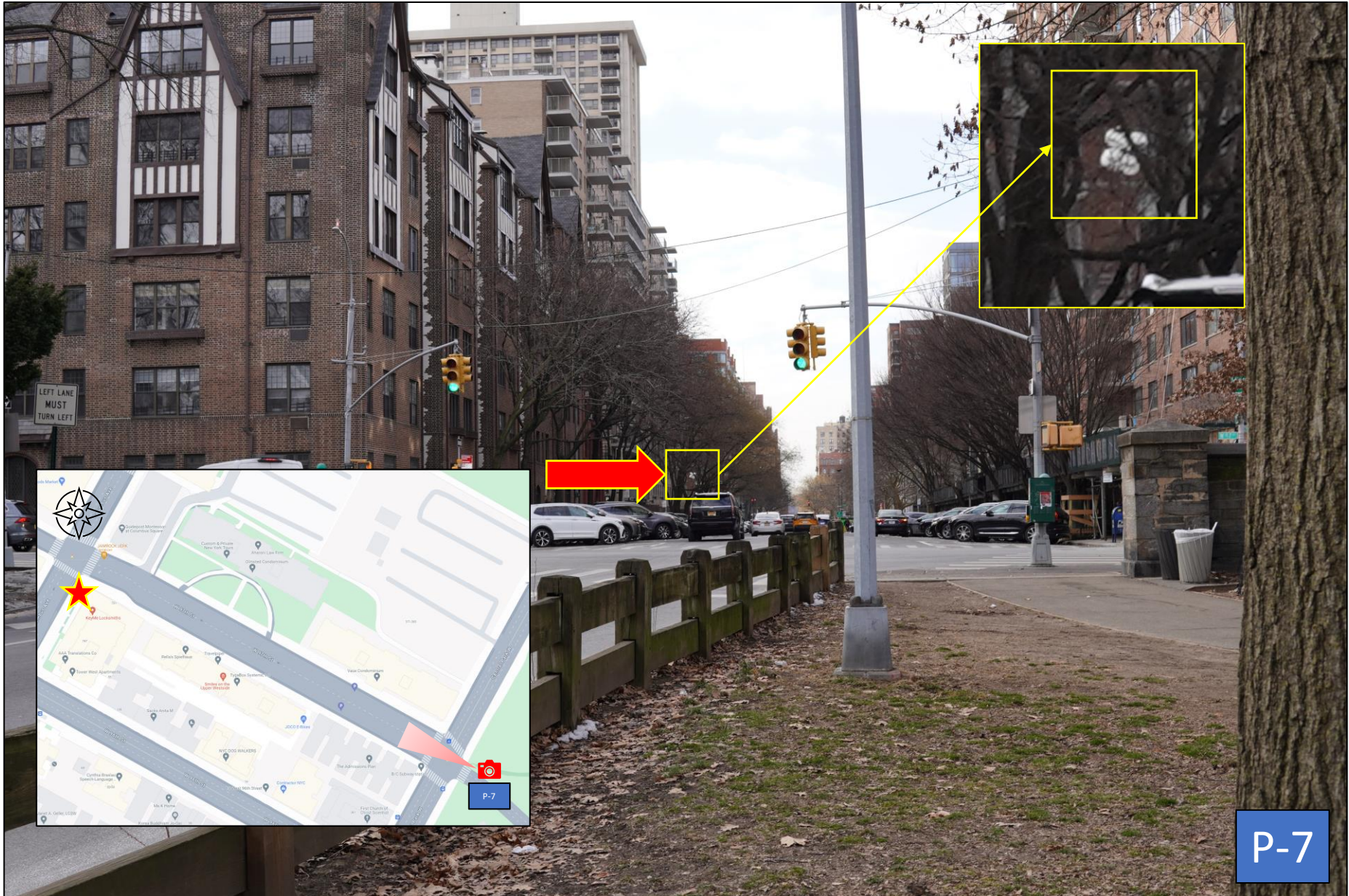


Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation within Central Park. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 1050'$ .





Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation within Central Park. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 990'$ .





Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation within the edge Of Central Park on Central Park West. Proposed Link5G will not be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 920'$ .



P-8



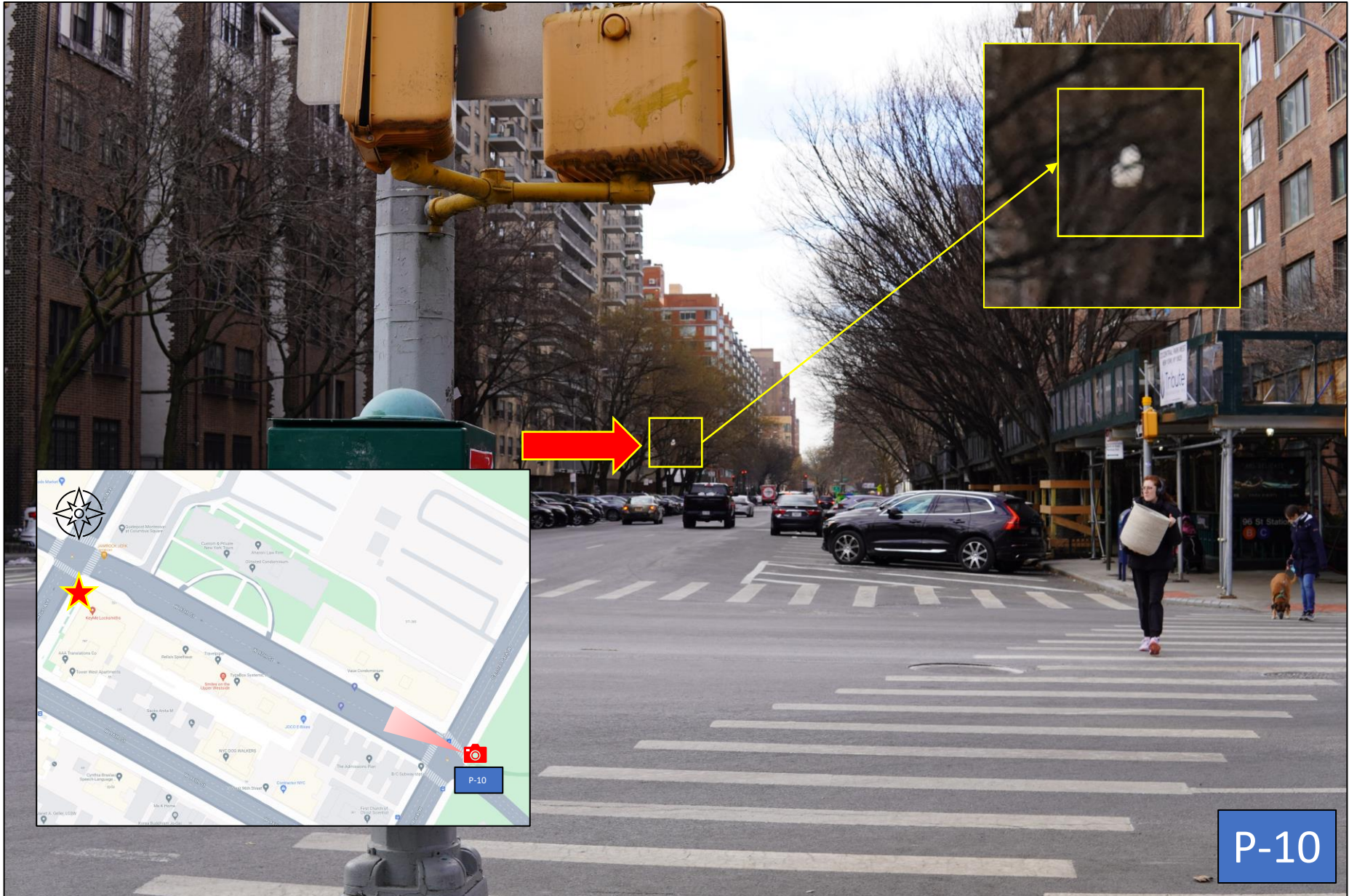
Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation within the edge Of Central Park on Central Park West. Proposed Link5G will not be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 914'$ .



P-9



Looking West on W 97th St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation within the edge Of Central Park on Central Park West. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 915'$ .



P-10



Looking West on W 97th St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation within the edge Of Central Park on Central Park West. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 915'$ .





Looking West on W 97th St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation within the edge Of Central Park on Central Park West. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 937'$ .



P-12



Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation from inside of Central Park. Proposed Link5G will not be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 1020'$ .



P-13



Looking West on W 97th St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation from inside of Central Park. Proposed Link5G will be visible from this location.  
Distance from the photographic location to the proposed Link5G is approximately  $\pm 1000'$ .





Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation from inside of Central Park. Proposed Link5G will not be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 1017'$ .



P-15



Looking West on W 97th St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation from inside of Central Park. Proposed Link5G will be visible from this location.  
Distance from the photographic location to the proposed Link5G is approximately  $\pm 990'$ .



P-16



Looking West on W 97<sup>th</sup> St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation from inside of Central Park. Proposed Link5G will not be visible from this location.  
Distance from the photographic location to the proposed Link5G is approximately  $\pm 970'$ .



P-17



Looking West on W 97th St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 800'$ .



P-18



Looking West on W 97th St toward proposed MN-07-120527\_A Link5G location with 32'-6" AGL elevation. Proposed Link5G will be visible from this location. Distance from the photographic location to the proposed Link5G is approximately  $\pm 250'$ .



P-19