

5.7.2 Descent of the East Penthouse

The first detectable indication of the WTC 7 east penthouse collapse was a downward movement of the eastern side of its roofline. As the downward motion developed, it quickly involved the entire penthouse and became most rapid 42 percent of the way across the roofline from the east. It appeared as if the penthouse almost immediately began to break into two separate sections along a north-south line, and the penthouse then began to “fold” into the main roof from either edge. Figure 5–193 through Figure 5–197 show a 3.5 s sequence of the descent as viewed from the Camera 2 and Camera 3 positions.

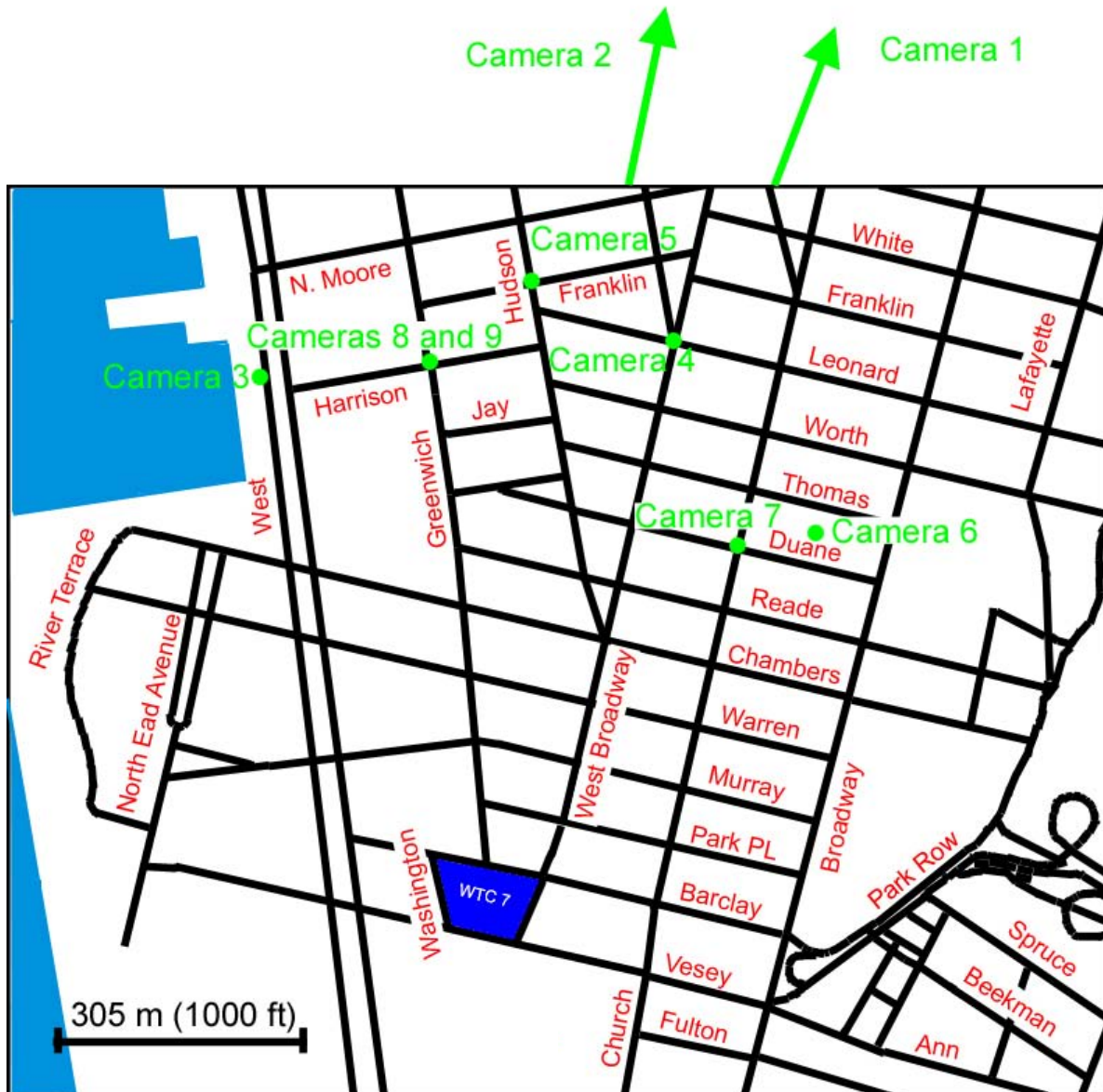


Figure 5–183. Locations of the nine video cameras used to analyze the WTC 7 collapse are shown relative to the location of WTC 7.

The arrows indicate the directions of Camera 1 and Camera 2 relative to WTC 7. They were located approximately 5 km to 7 km (3 miles to 4 miles) from WTC 7.