



# Verizon Wireless, Lauinger Library

3700 O Street NW  
Washington, DC 20007  
Square: 1321 Lot: 0833  
Telecommunication Facility Installation  
Alternate Options Presentation



# Scope of Work



**Verizon Wireless proposes to install a wireless telecommunications facility on the rooftop of the Lauinger Library at Georgetown University. That facility will consist of a total of fifteen antennas and associated equipment cabinets and generator.**

**As shown on the plans, there will be four sectors installed along the North, South, East, and West building elevations.**

**In addition to the antennas, Verizon proposes to install three equipment cabinets and one generator on the lower penthouse roof level. Neither the equipment cabinets or generator will be visible from ground level.**

**Photo simulations of the proposed installation are included in this submission.**

**This presentation will outline 4 alternate options that have been put together based on comments from the Old Georgetown Board in the September 2 hearing.**

# Alternate Options



- **Option 1:** The north and south sectors have been dropped down from the top penthouse roof and have been flush mounted onto the penthouse wall. The photosims show that these antennas do not protrude above the roof line and so they keep the building silhouette intact. The east and west sectors have also been dropped down to the lower roof level. In this design we have kept the stealth boxes around the antennas.
- **Option 2:** The north and south sectors are the same as in option 1, but on the east and west sectors, we have removed the stealth boxes from the antennas. These two sectors are the least visible of all 4, and I believe that the stealth boxes are not necessary here. In the photosims you can see that there is no visual impact of this installation.
- **Option 3:** This option shows the antennas in their original location, but we are utilizing a cylindrical stealth option instead of the boxes from our previous submission.
- **Option 4:** This option shows the antennas in their original positions, but with no stealthing proposed.



# Site Location – Zoning Map

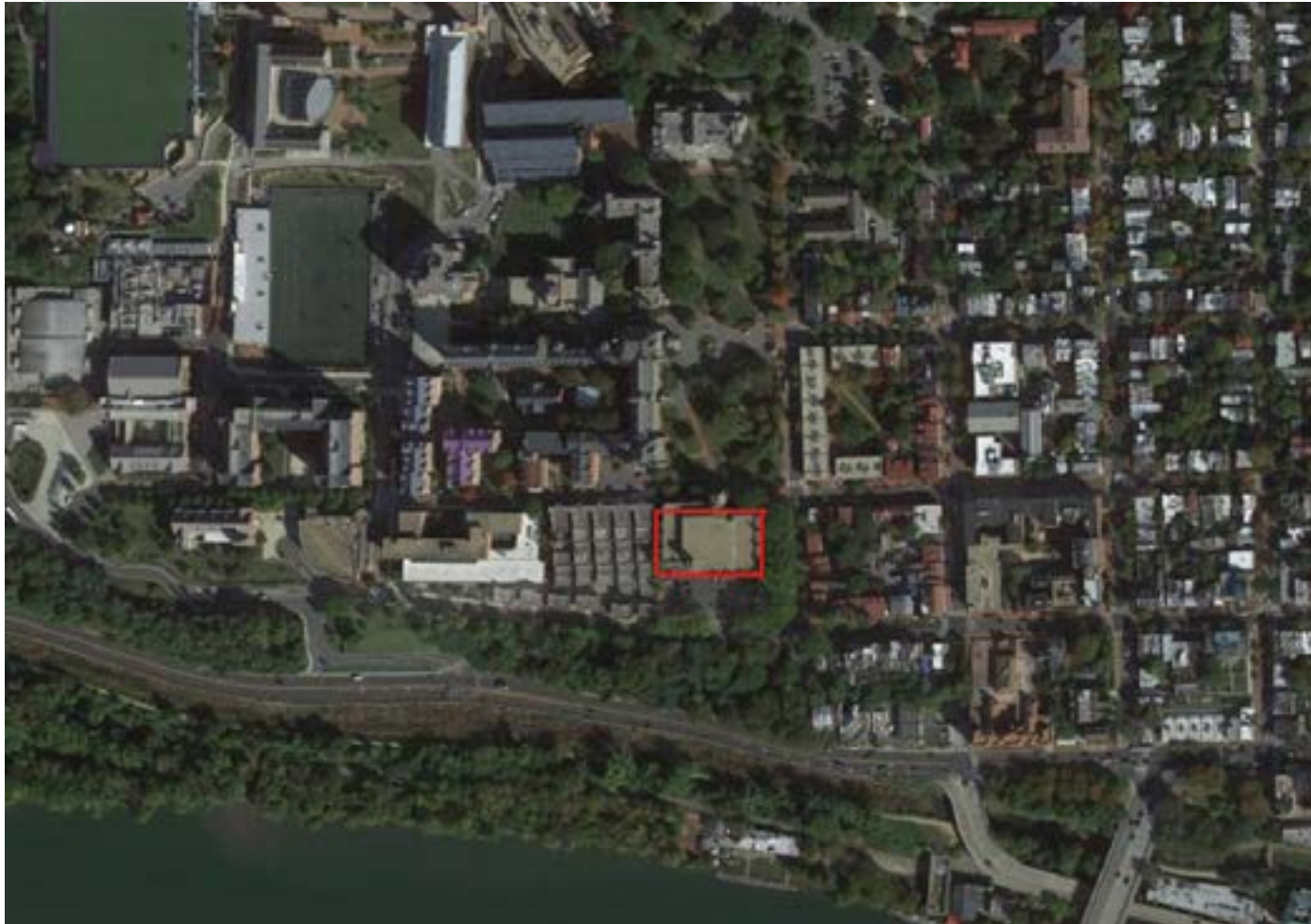
3700 O Street NW

Parcel is zoned R-3



# Site Location – Vicinity Map

3700 O Street NW





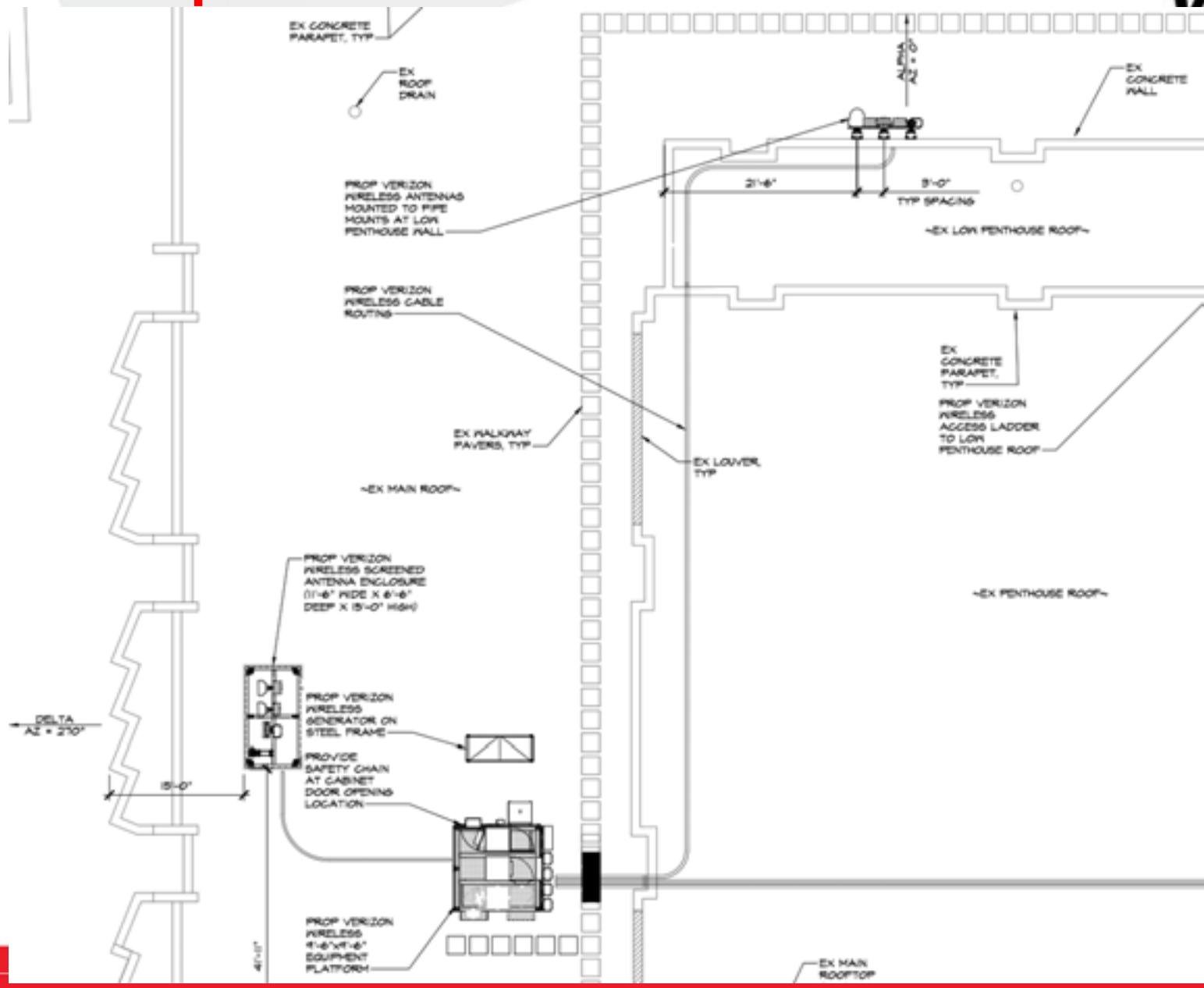
# Site Location – Vicinity Map

3700 O St NW



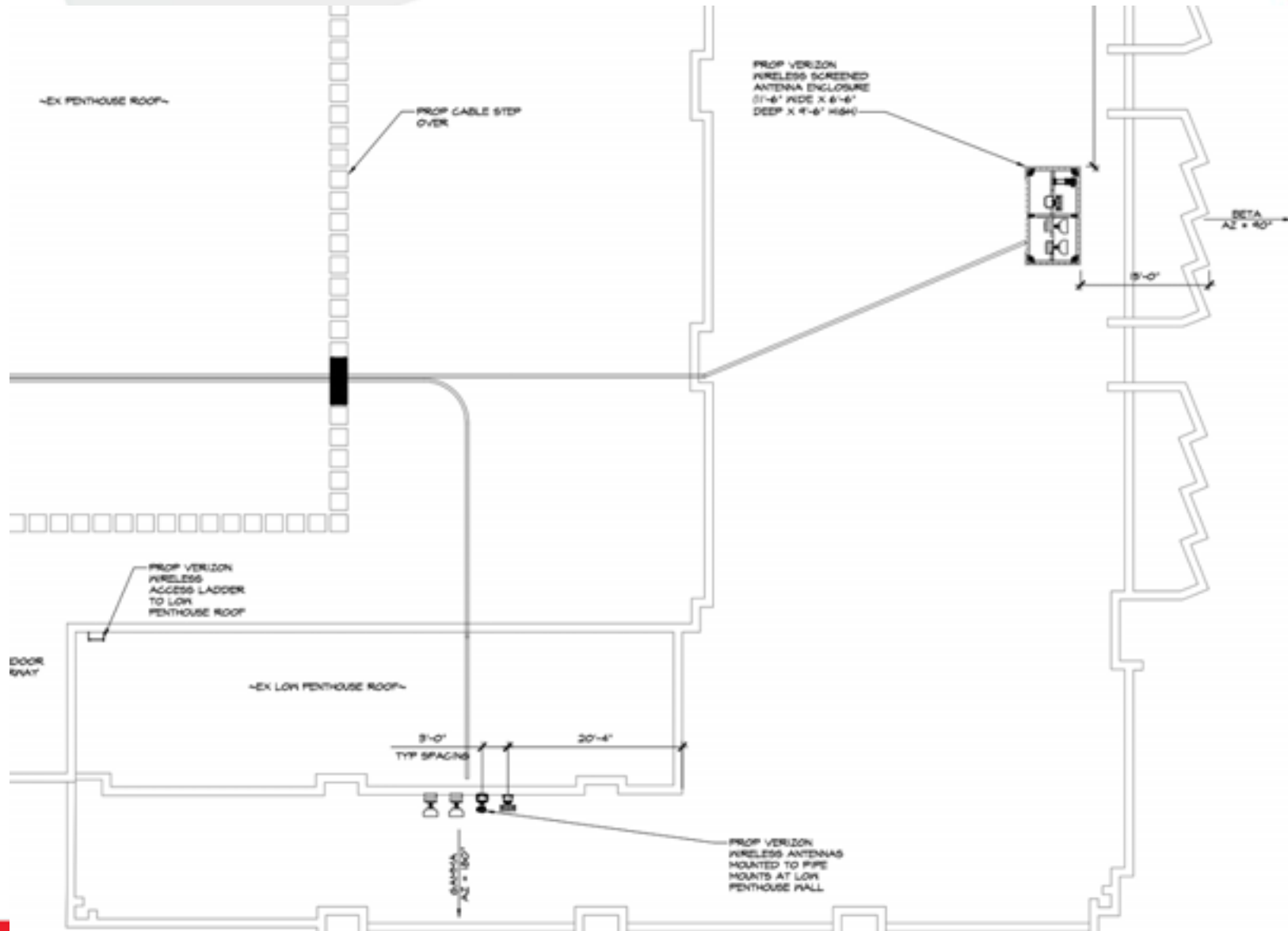


# Alt. Option 1 Site Plan – Zoomed West

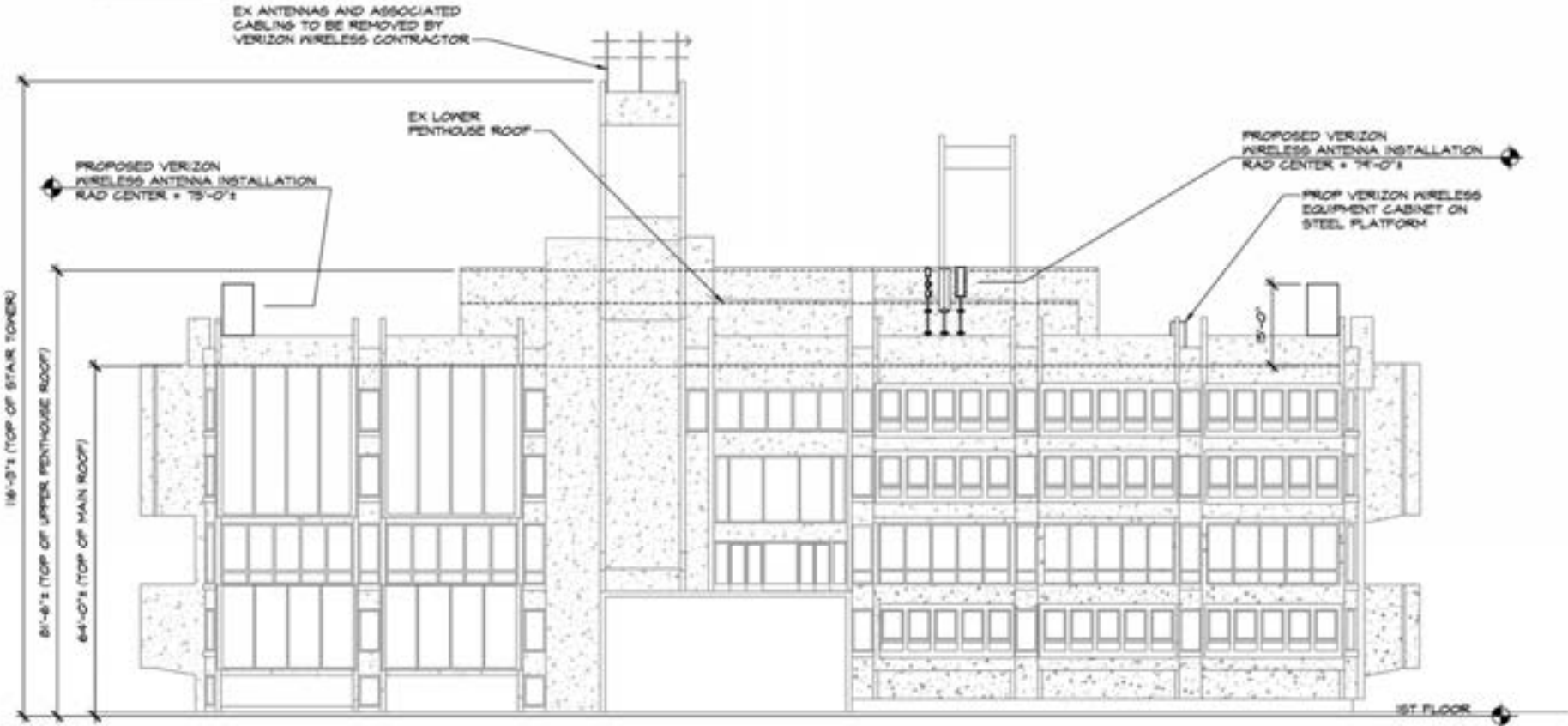




# Alt. Option 1 Site Plan – Zoomed East



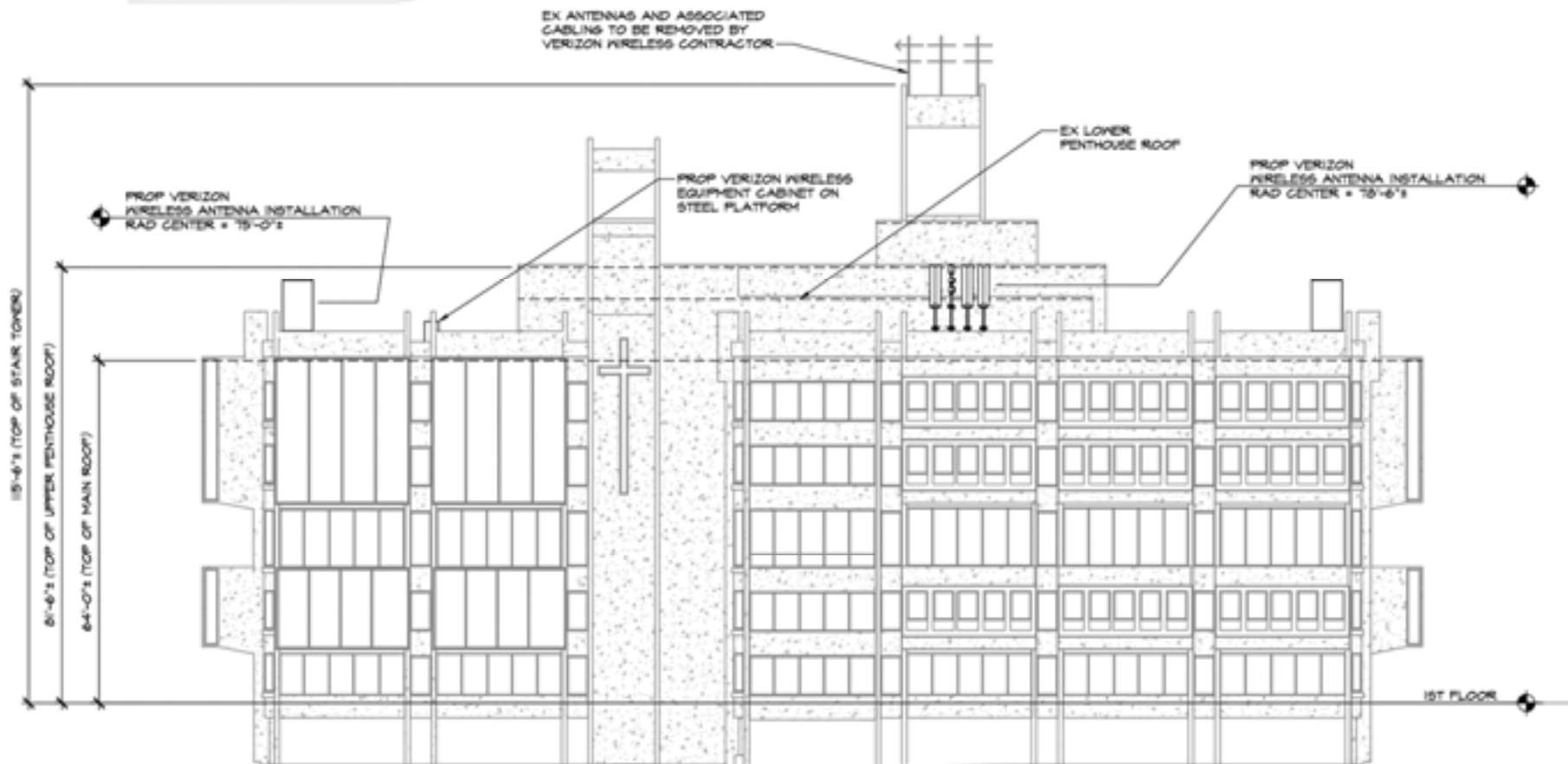
# Alt. Option 1 North Elevation



NORTH BUILDING ELEVATION

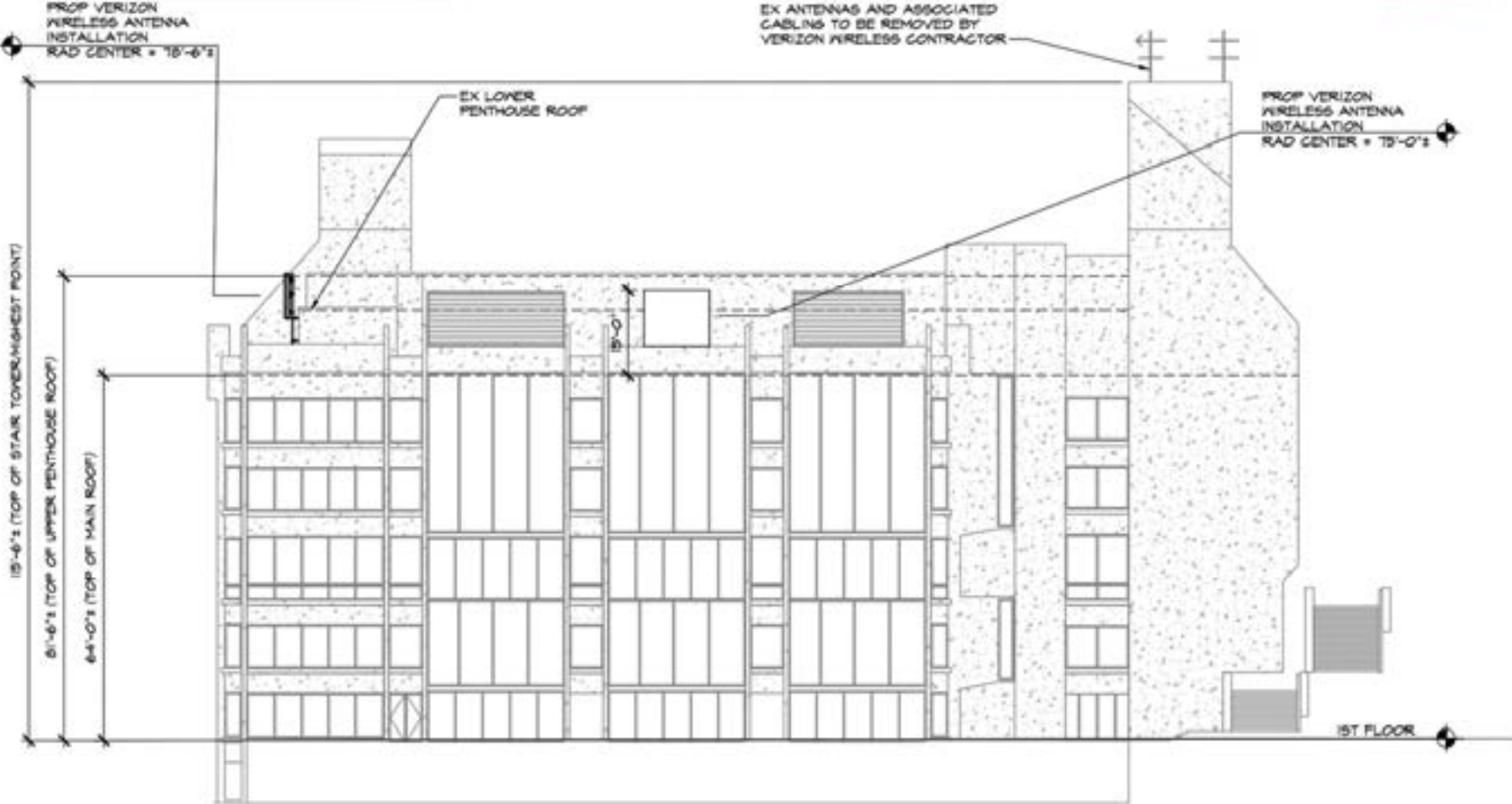


# Alt. Option 1 South Elevation



SOUTH BUILDING ELEVATION

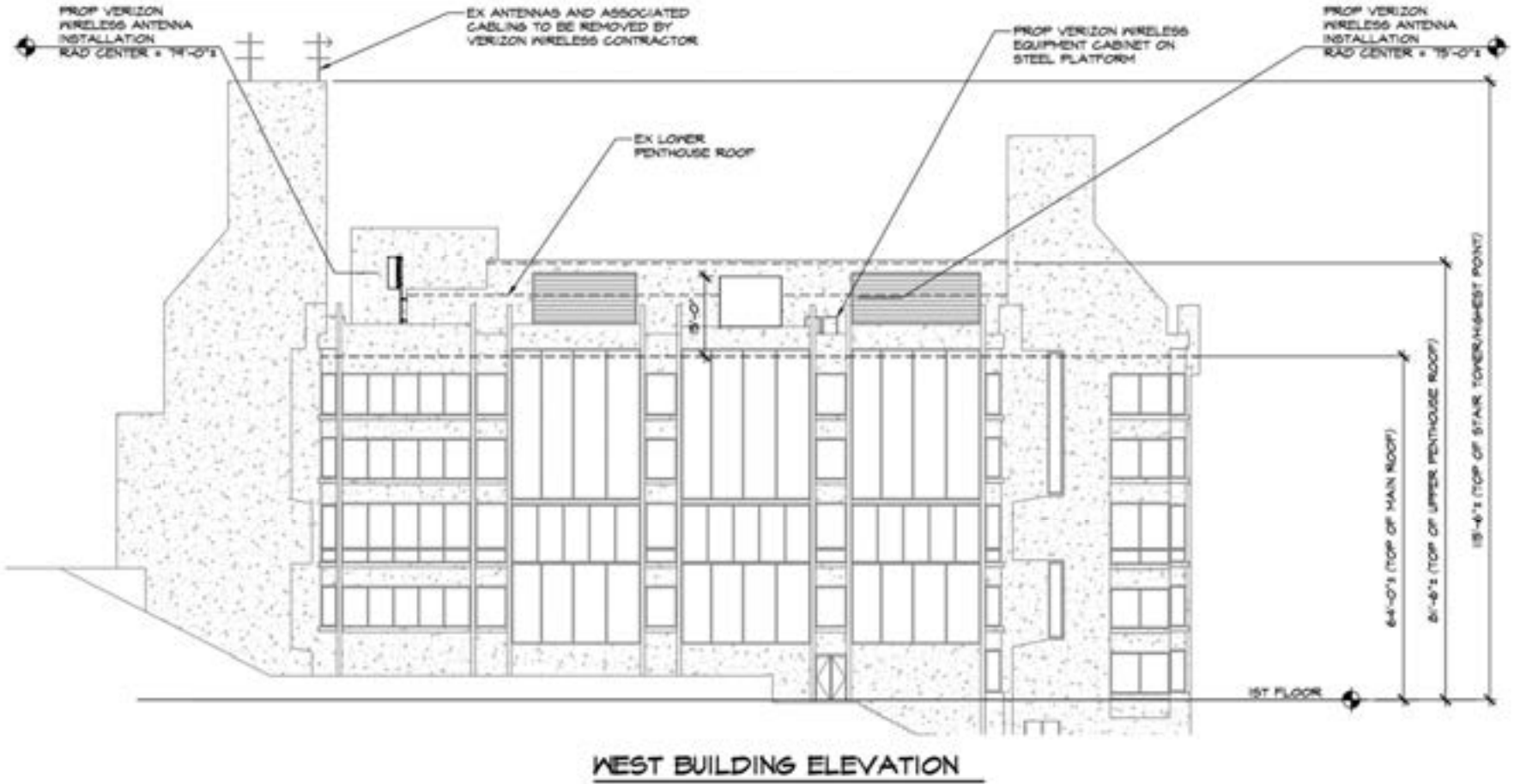
# Alt. Option 1 East Elevation



EAST BUILDING ELEVATION



# Alt. Option 1 West Elevation





# Photosims Location Map





# Alt. Option 1 View From Healy Lawn



Site Name: Georgetown  
University-Lauinger Library  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

Photograph Information:  
View 10-Healy Lawn  
View from the Northeast  
**SITE NOT VISIBLE**

**NBIC**  
TOTALLY COMMITTED



# Alt. Option 1 View From Healy Lawn

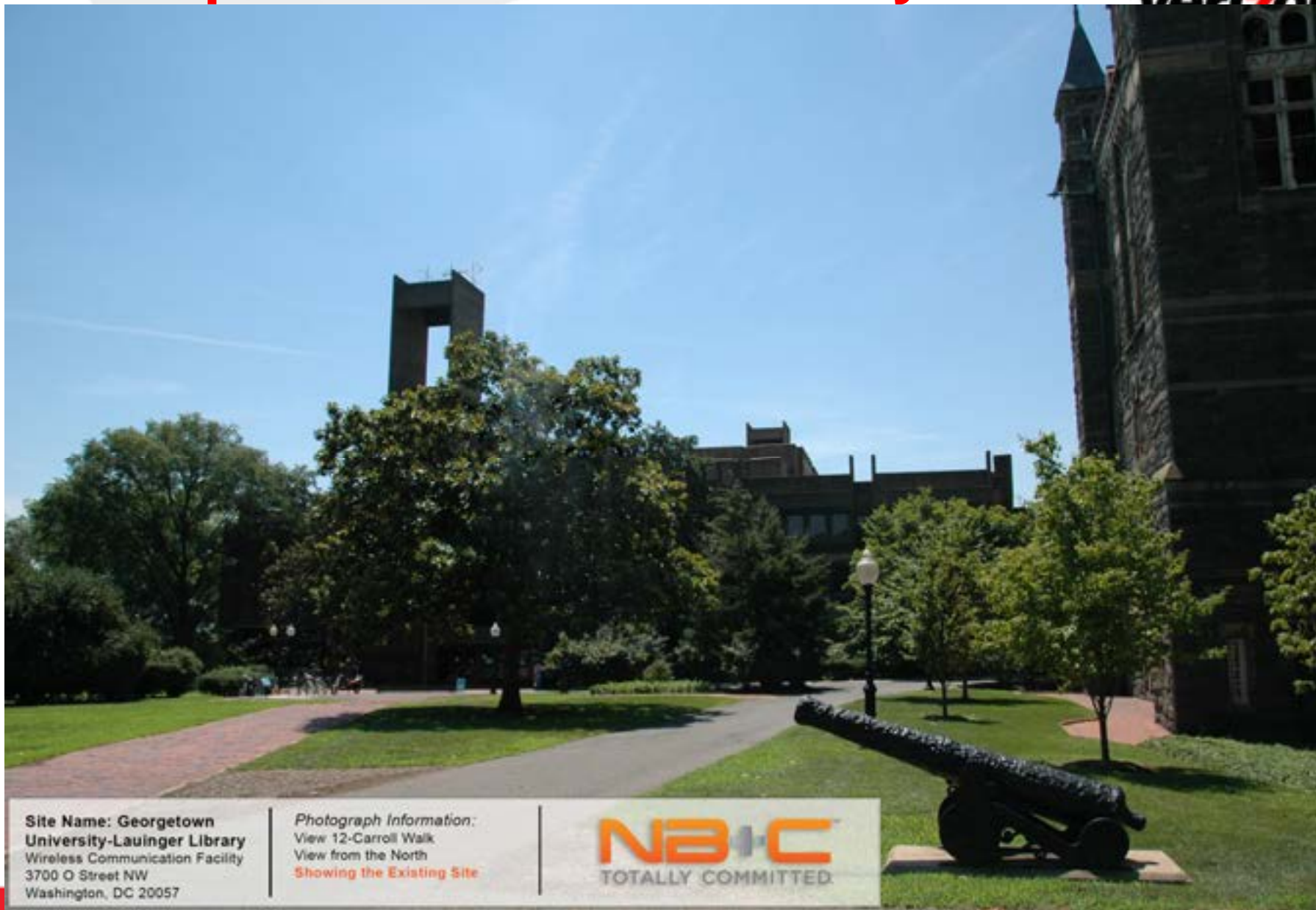


**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 11-Carroll Walk  
View from the North  
**SITE NOT VISIBLE**

**NBIC**  
TOTALLY COMMITTED.

# Alt. Option 1 View From Healy Lawn



**Site Name: Georgetown University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 12-Carroll Walk  
View from the North  
**Showing the Existing Site**

**NBIC**  
TOTALLY COMMITTED.



# Alt. Option 1 View From Healy Lawn



**Site Name: Georgetown University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 12-Carroll Walk  
View from the North  
Design #1  
**Showing the Proposed Site**

**NBIC**  
TOTALLY COMMITTED



# Alt. Option 1 View From Healy Lawn



**Site Name: Georgetown University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

**Photograph Information:**  
View 15-Copley Lawn  
View from the North  
**Showing the Existing Site**



# Alt. Option 1 View From Healy Lawn



**Site Name: Georgetown**  
**University-Louinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

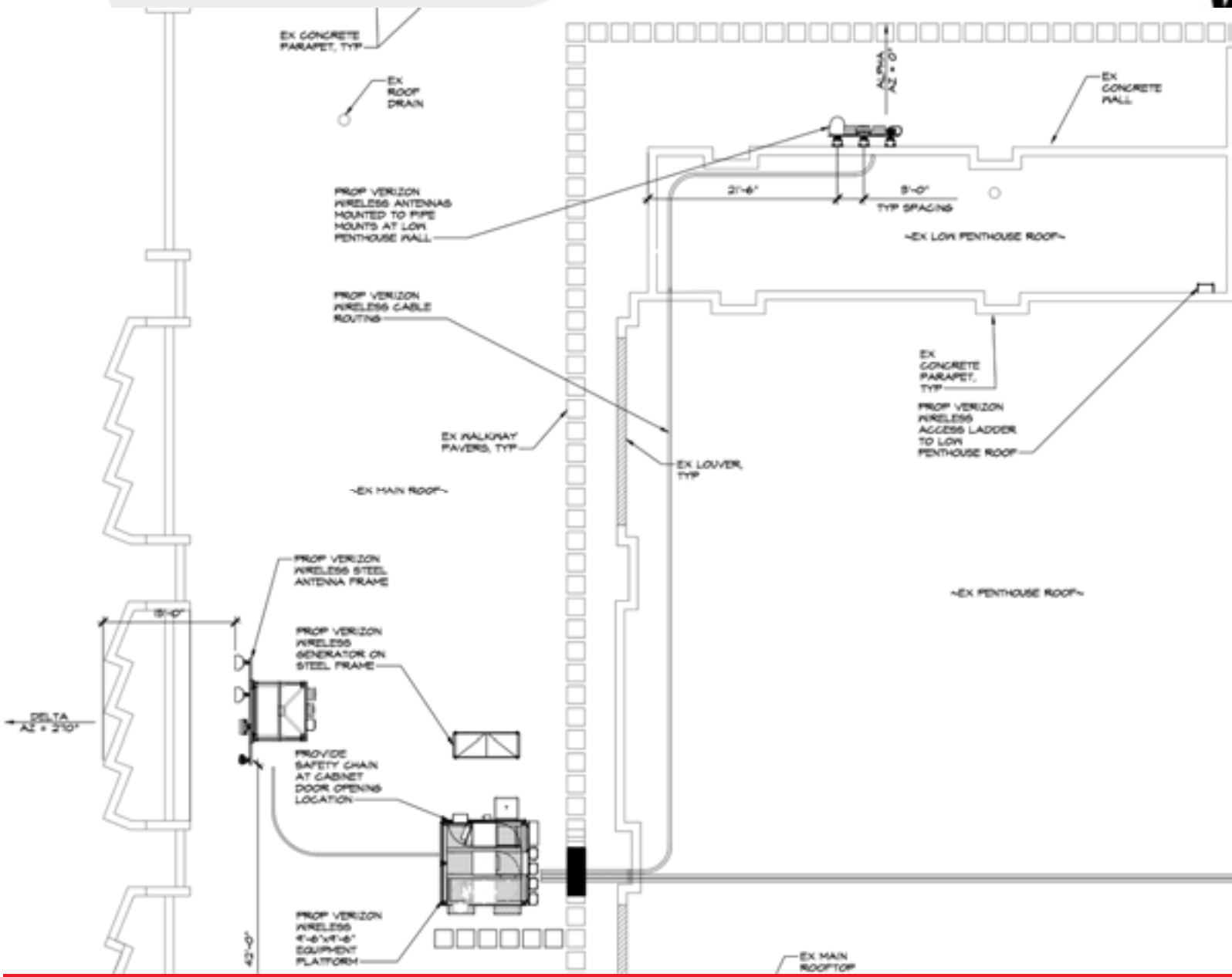
**Photograph Information:**  
View 15-Copley Lawn  
View from the North  
Design #1  
*Showing the Proposed Site*



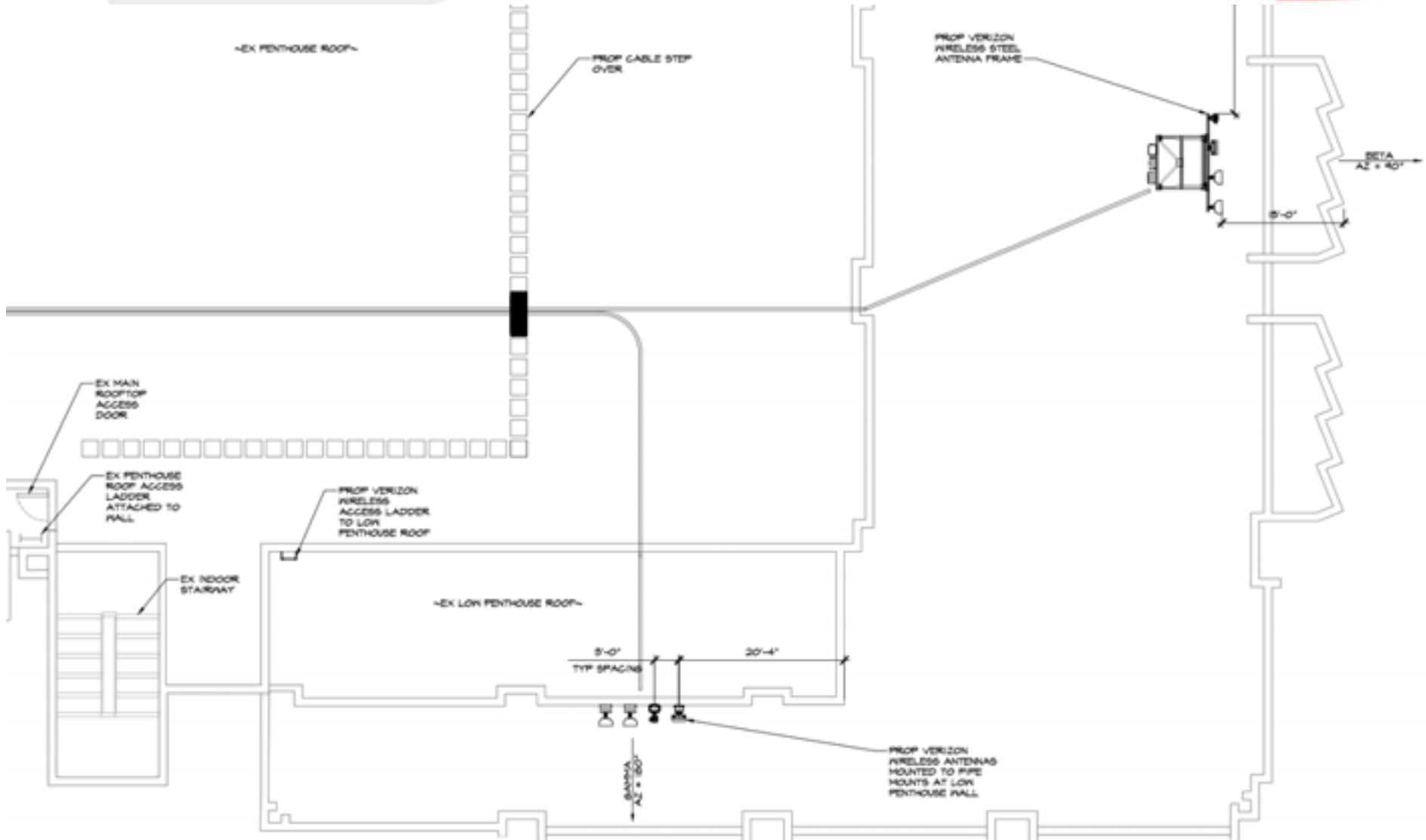




# Alt. Option 2 Site Plan – Zoomed West

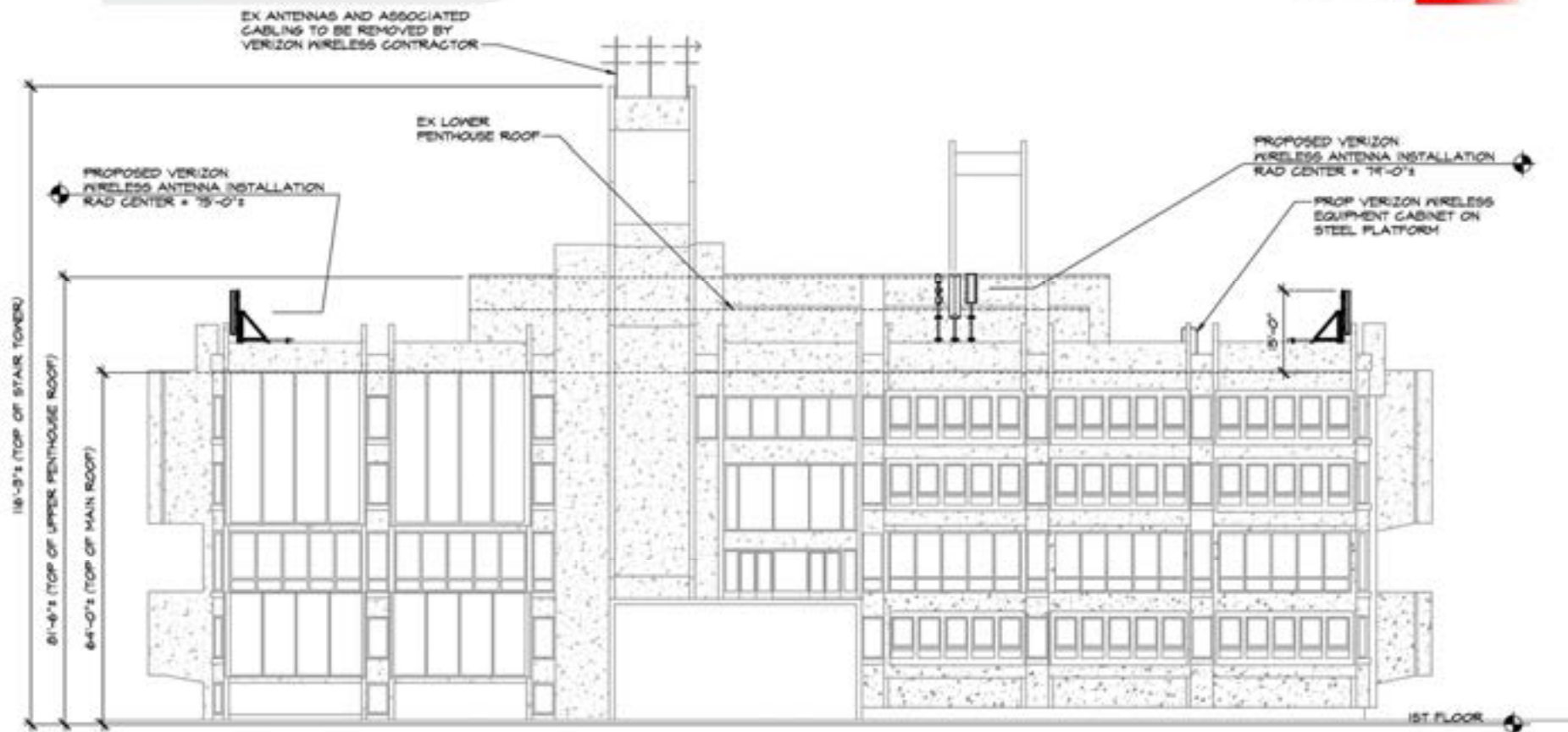


# Alt. Option 2 Site Plan – Zoomed East



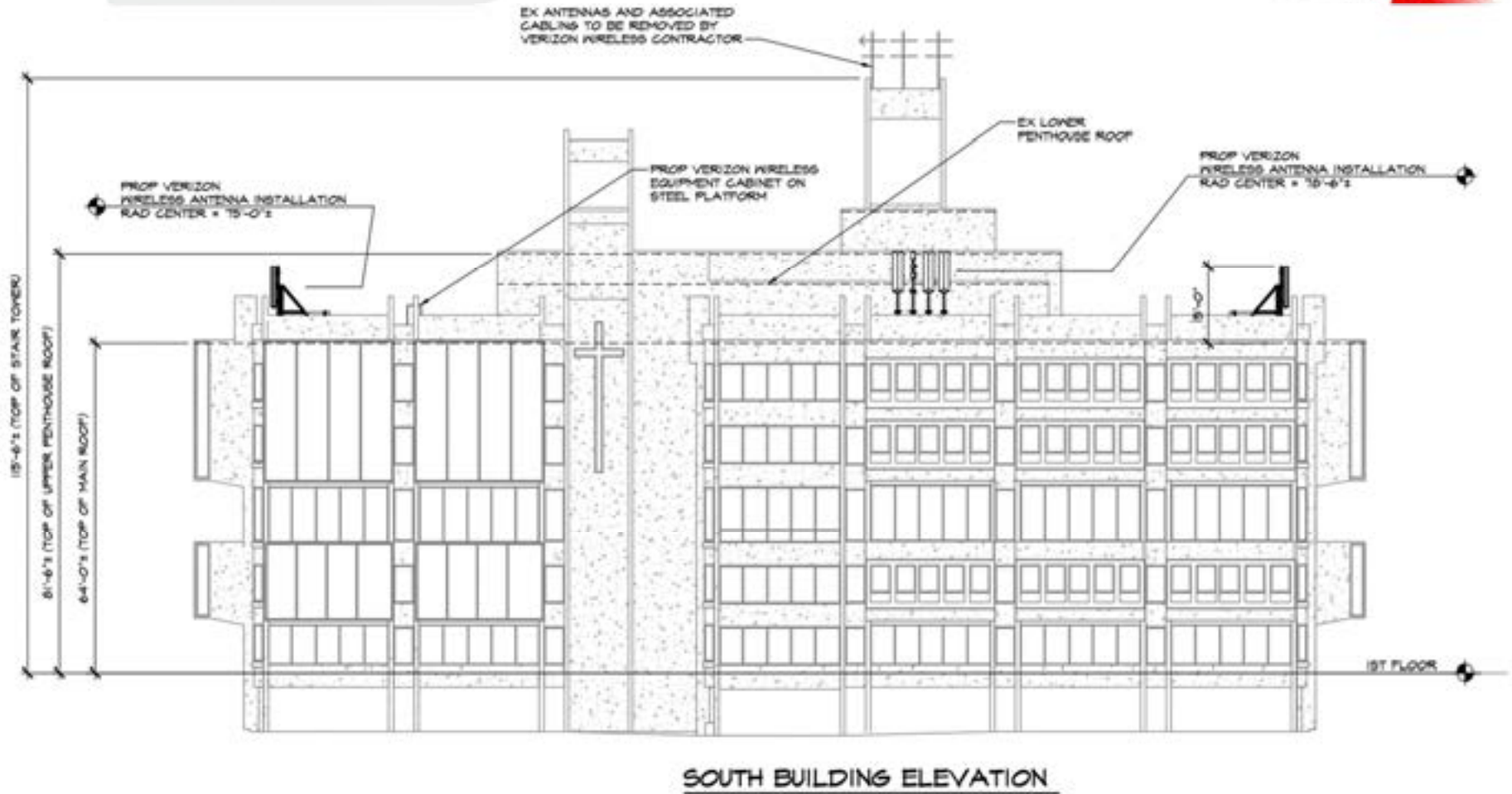


# Alt. Option 2 North Elevation

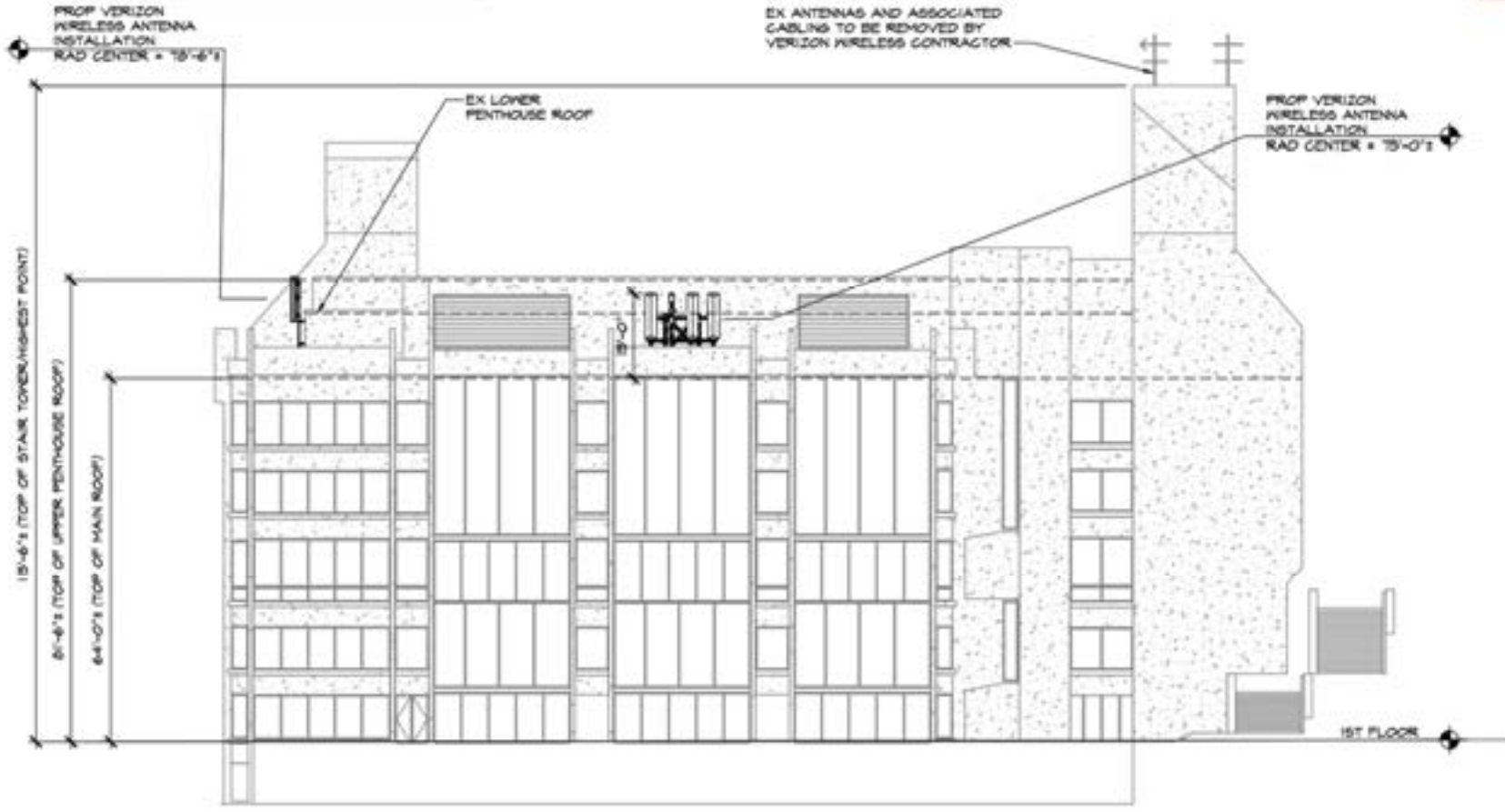


NORTH BUILDING ELEVATION

# Alt. Option 2 South Elevation



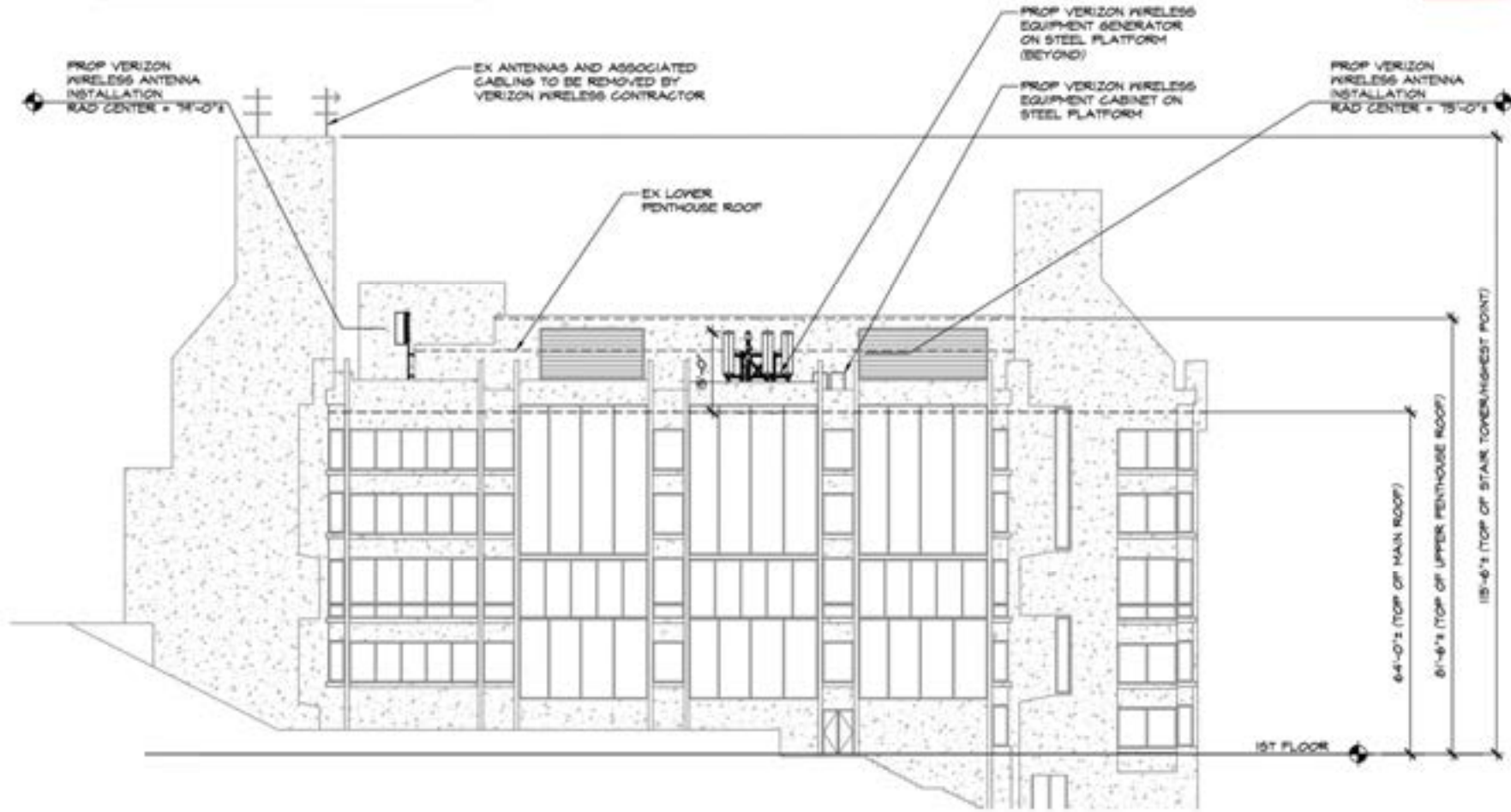
# Alt. Option 2 East Elevation



EAST BUILDING ELEVATION



# Alt. Option 2 West Elevation



WEST BUILDING ELEVATION





# Alt. Option 2 View From Healy Lawn



**Site Name: Georgetown University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

**Photograph Information:**  
View 15-Copley Lawn  
View from the North  
**Showing the Existing Site**

**NBC**  
TOTALLY COMMITTED.



# Alt. Option 2 View From Healy Lawn



**Site Name: Georgetown**  
**University-Louinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

**Photograph Information:**  
View 15-Copley Lawn  
View from the North  
Design #2  
*Showing the Proposed Site*



# Alt. Option 2 View From Healy Lawn



**Site Name: Georgetown University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 12-Carroll Walk  
View from the North  
**Showing the Existing Site**

**NBIC**  
TOTALLY COMMITTED



# Alt. Option 2 View From Healy Lawn

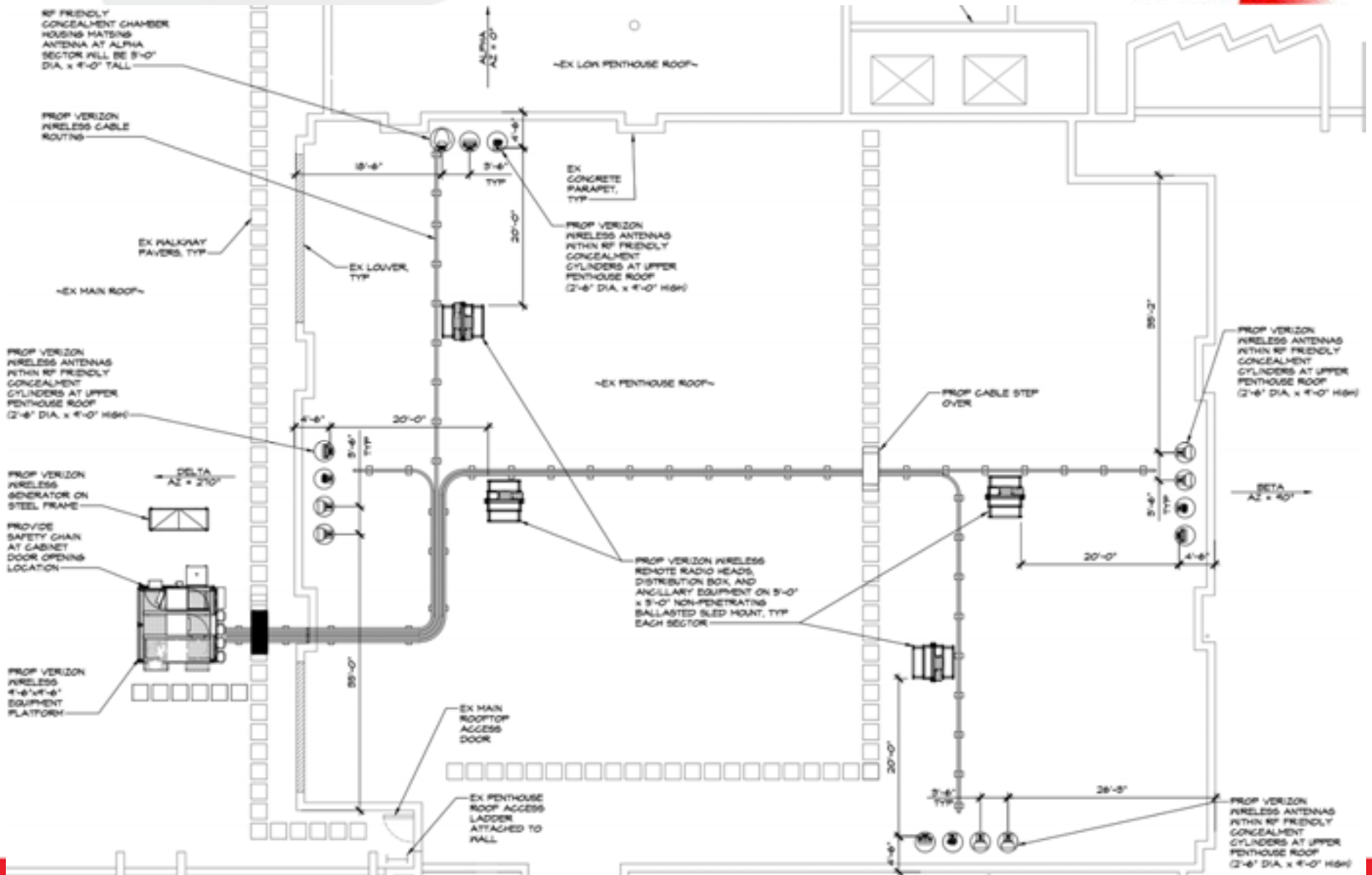


**Site Name: Georgetown  
University-Lounger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 12-Carroll Walk  
View from the North  
Design #2  
**Showing the Proposed Site**

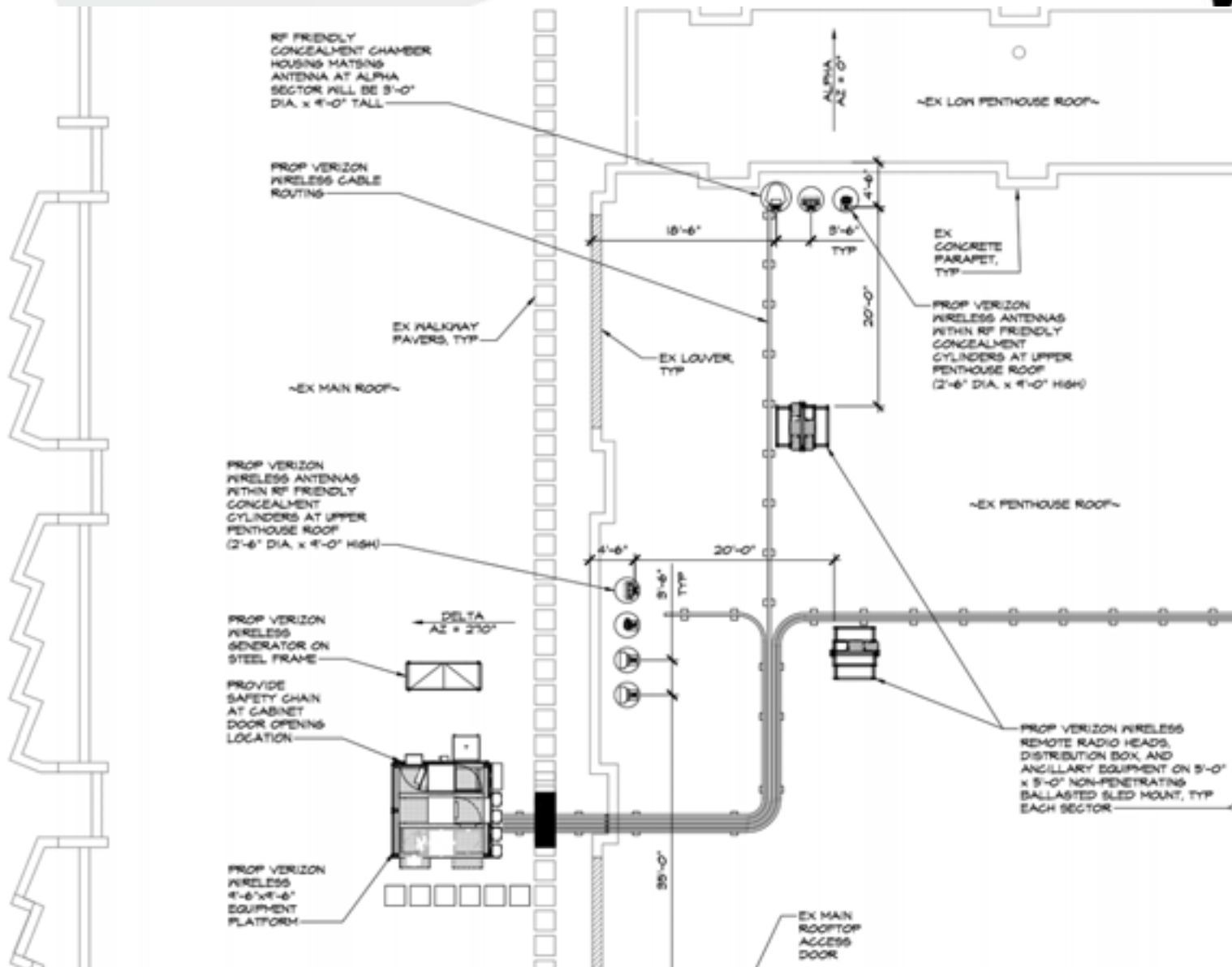
**NBIC**  
TOTALLY COMMITTED

# Alt. Option 3 Overall Site Plan



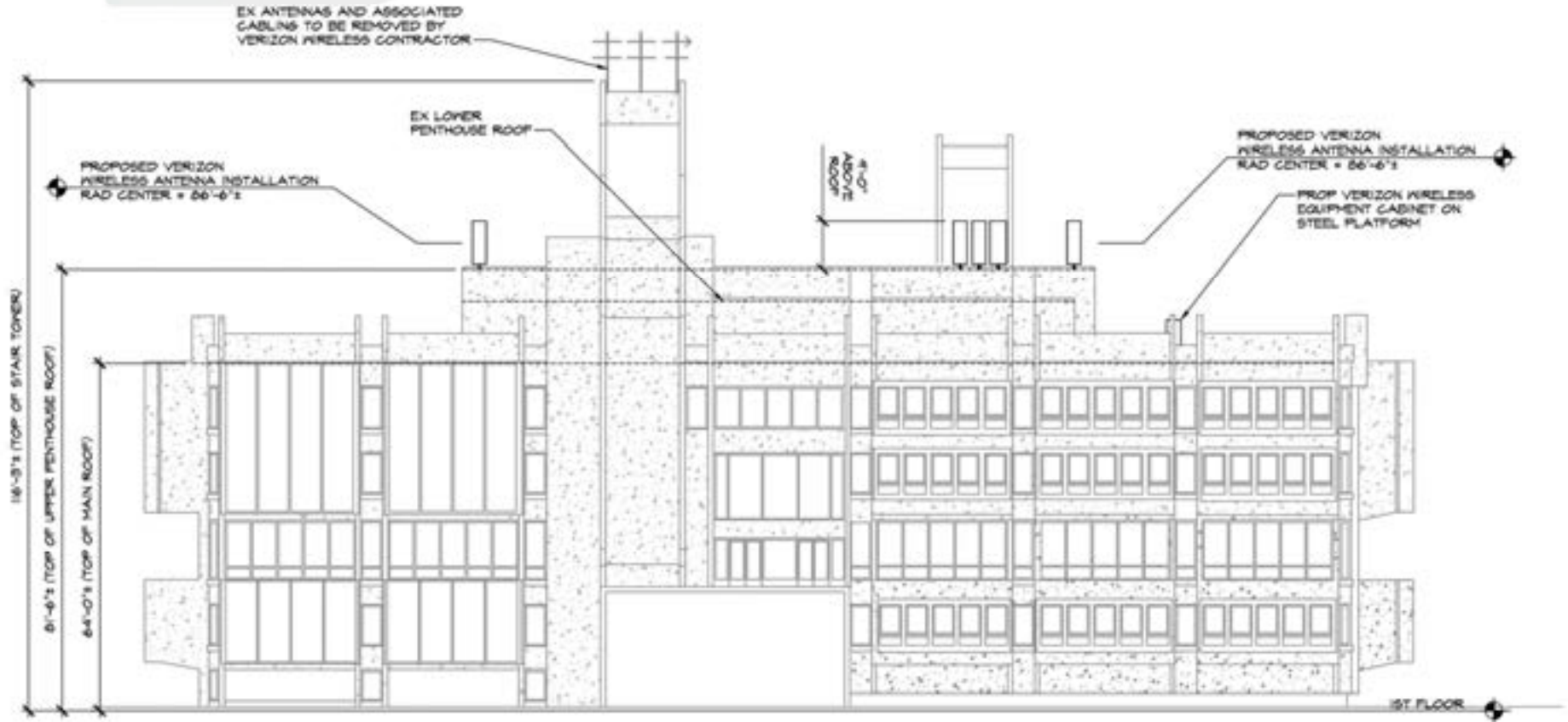


# Alt. Option 3 Site Plan - Zoomed West



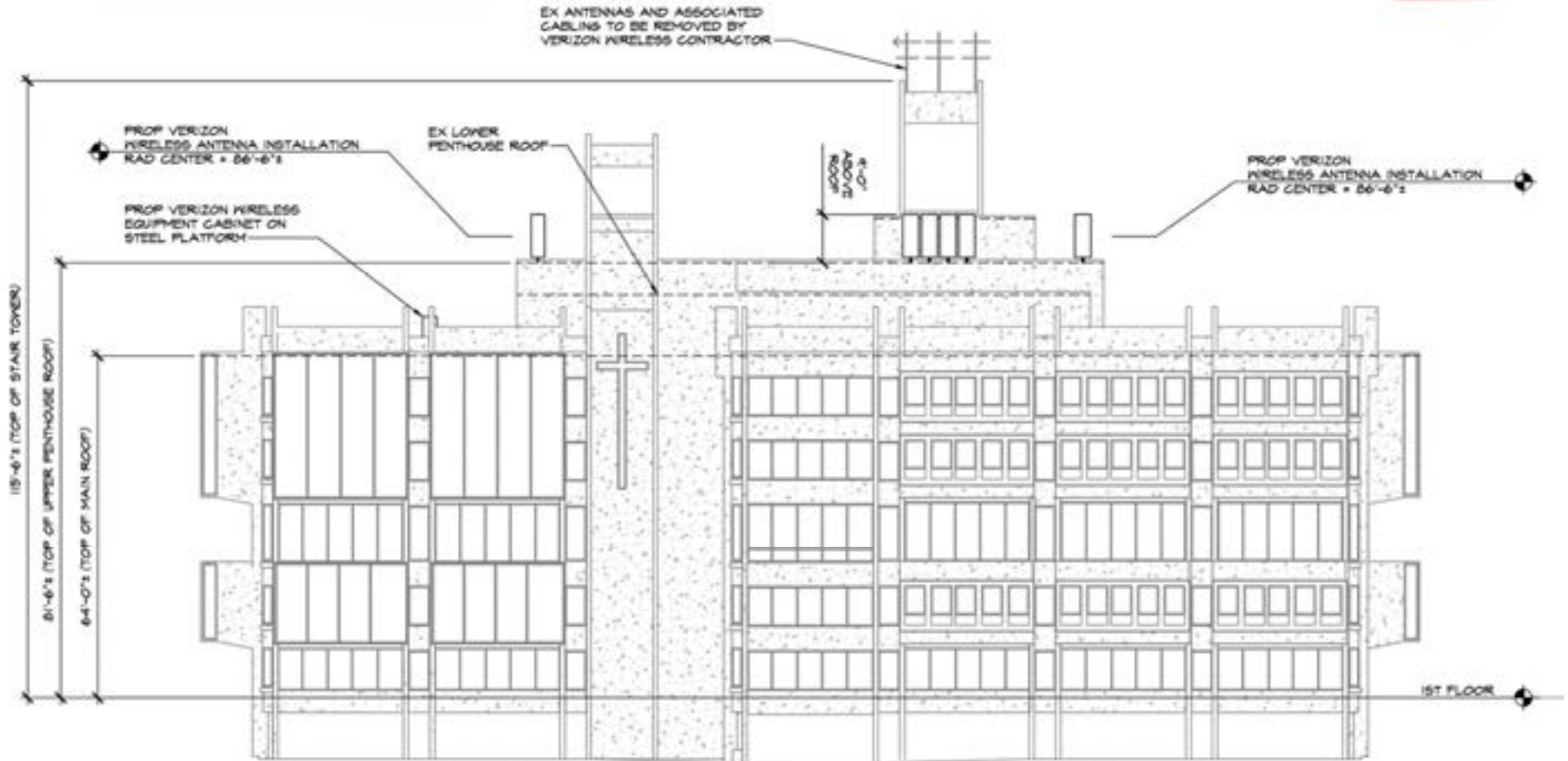


# Alt. Option 3 North Elevation



NORTH BUILDING ELEVATION

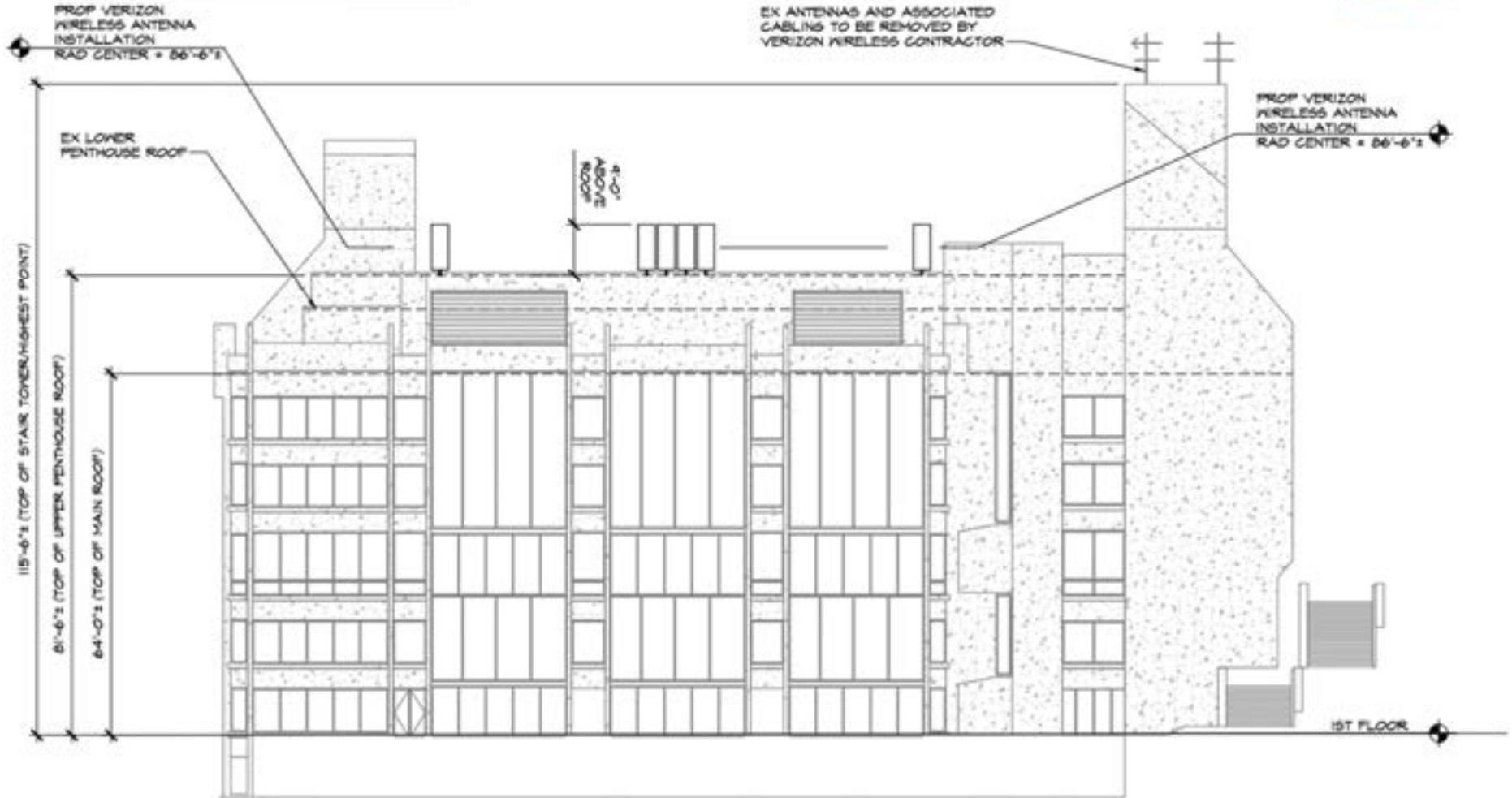
# Alt. Option 3 South Elevation



SOUTH BUILDING ELEVATION



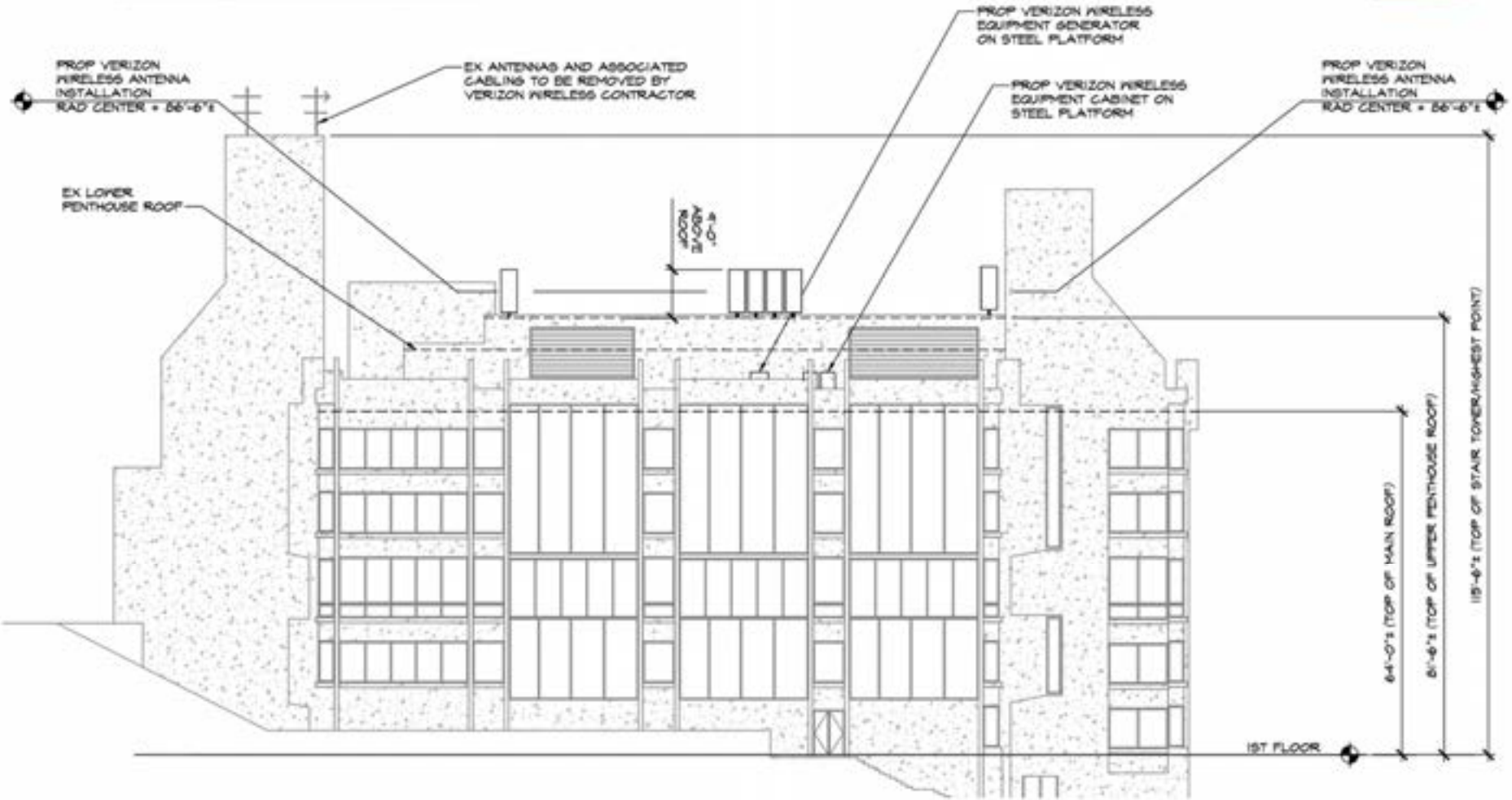
# Alt. Option 3 East Elevation



EAST BUILDING ELEVATION



# Alt. Option 3 West Elevation



WEST BUILDING ELEVATION

# Alt. Option 3 View From Healy Lawn



**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 11-Carroll Walk  
View from the North  
**Showing the Existing Site**

**NBIC**  
TOTALLY COMMITTED.



# Alt. Option 3 View From Healy Lawn



**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 11-Carroll Walk  
View from the North  
Design #3  
**Showing the Proposed Site**

**NBIC**  
TOTALLY COMMITTED.



# Alt. Option 3 View From Healy Lawn



**Site Name: Georgetown  
University-Laulinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 12-Carroll Walk  
View from the North  
**Showing the Existing Site**

**NBIC**  
TOTALLY COMMITTED

# Alt. Option 3 View From Healy Lawn



**Site Name: Georgetown  
University-Laulinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 12-Carroll Walk  
View from the North  
Design #3  
**Showing the Proposed Site**

**NBIC**  
TOTALLY COMMITTED



# Alt. Option 3 View From Healy Lawn



Site Name: Georgetown  
University-Lauinger Library  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

Photograph Information:  
View 13-Healy Lawn  
View from the North  
*Showing the Existing Site*



# Alt. Option 3 View From Healy Lawn



Site Name: Georgetown  
University-Lauinger Library  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

Photograph Information:  
View 13-Healy Lawn  
View from the North  
Design #3  
Showing the Proposed Site





# Alt. Option 3 View From Healy Lawn



**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 Q Street NW  
Washington, DC 20057

**Photograph Information:**  
View: 15-Copley Lawn  
View from the North  
*Showing the Existing Site*



# Alt. Option 3 View From Healy Lawn



**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

**Photograph Information:**  
View: 15-Copley Lawn  
View from the North  
Design #3  
**Showing the Proposed Site**





# Alt. Option 3 View From Healy Lawn



**Site Name: Georgetown  
University-Laulinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 16-Carroll Walk  
View from the North  
**Showing the Existing Site**

**NBIC**  
TOTALLY COMMITTED

# Alt. Option 3 View From Healy Lawn



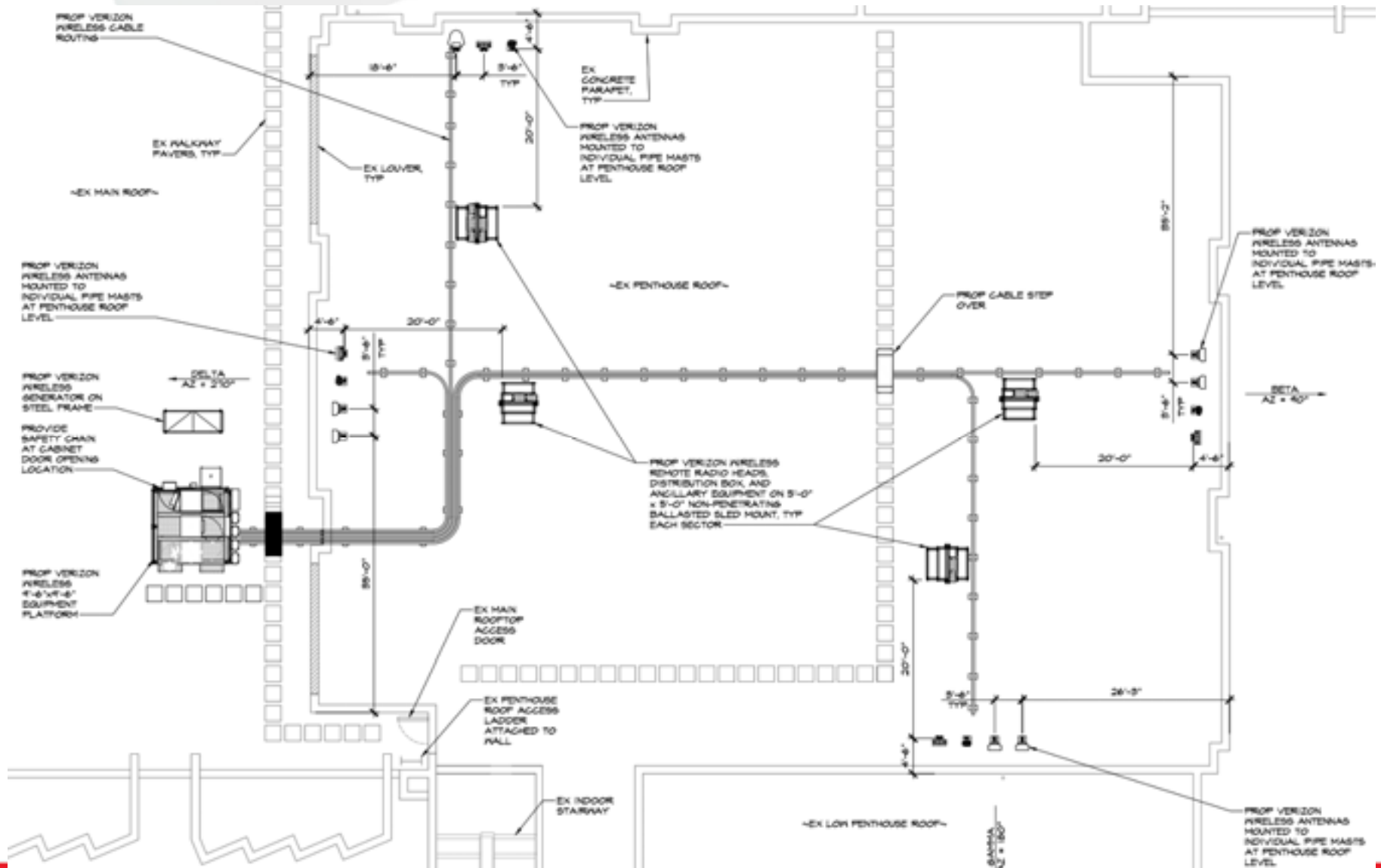
**Site Name: Georgetown University-Laulinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 16-Carroll Walk  
View from the North  
Design #3  
**Showing the Proposed Site**

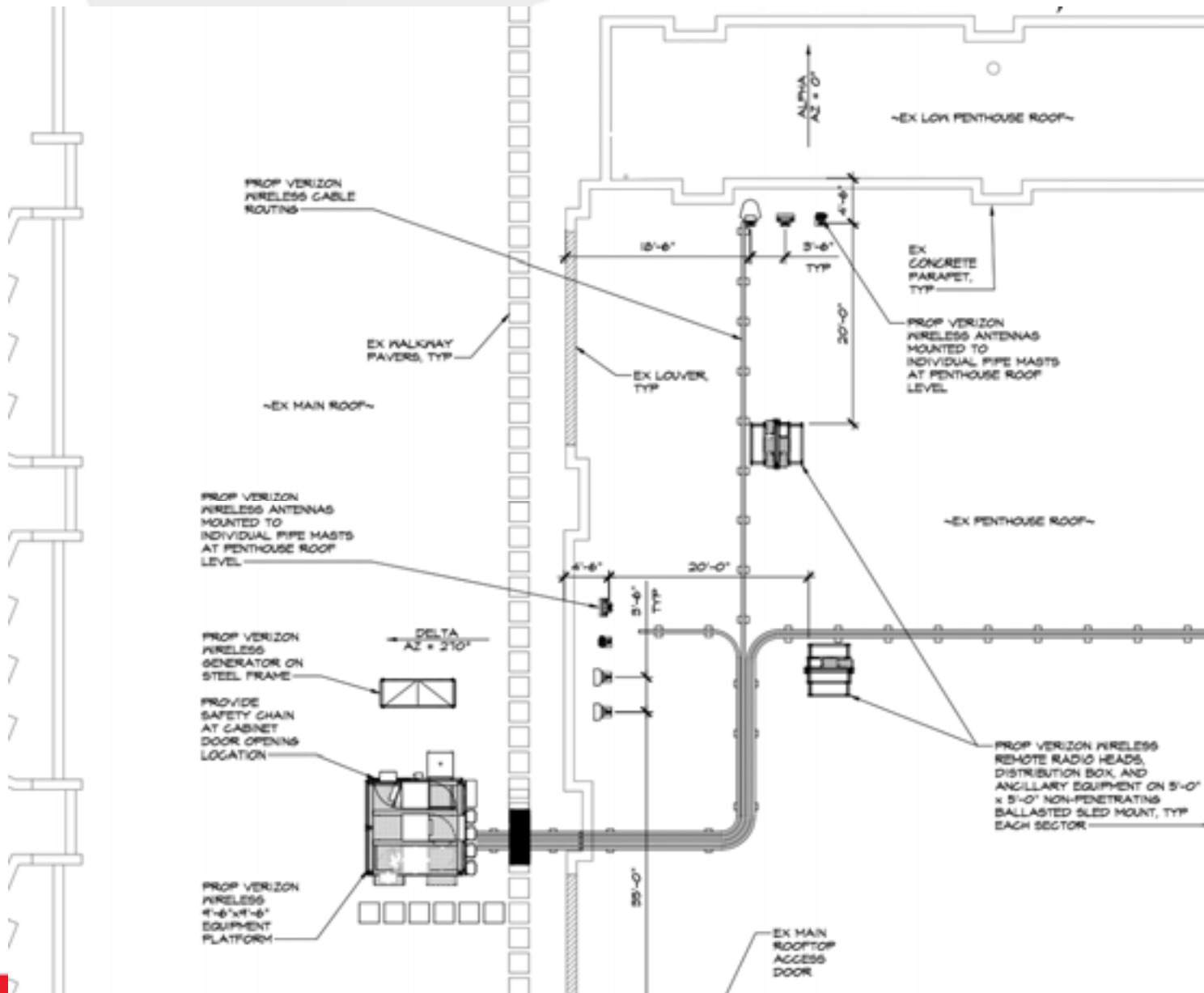
**NBIC**  
TOTALLY COMMITTED



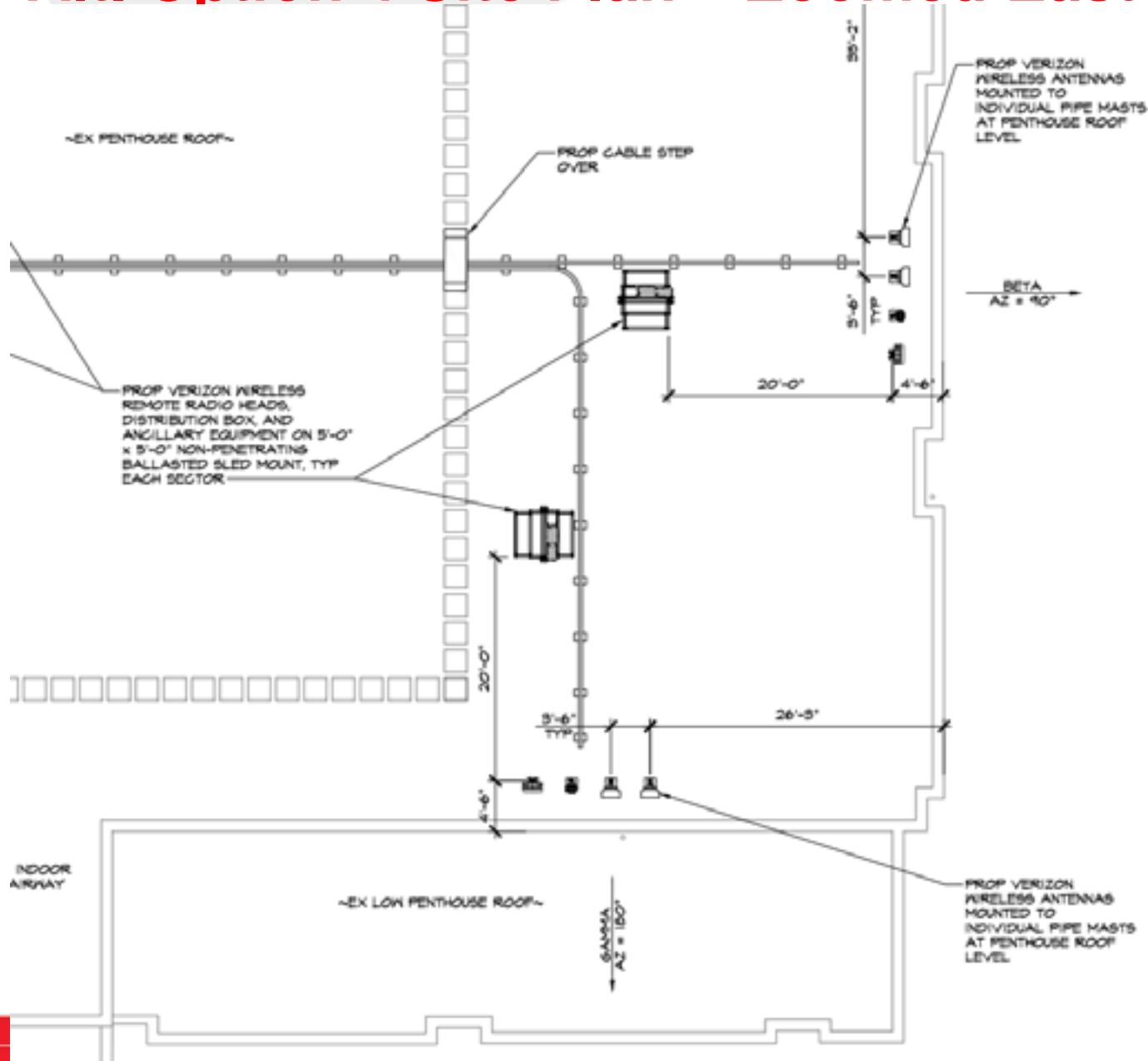
# Alt. Option 4 Overall Site Plan



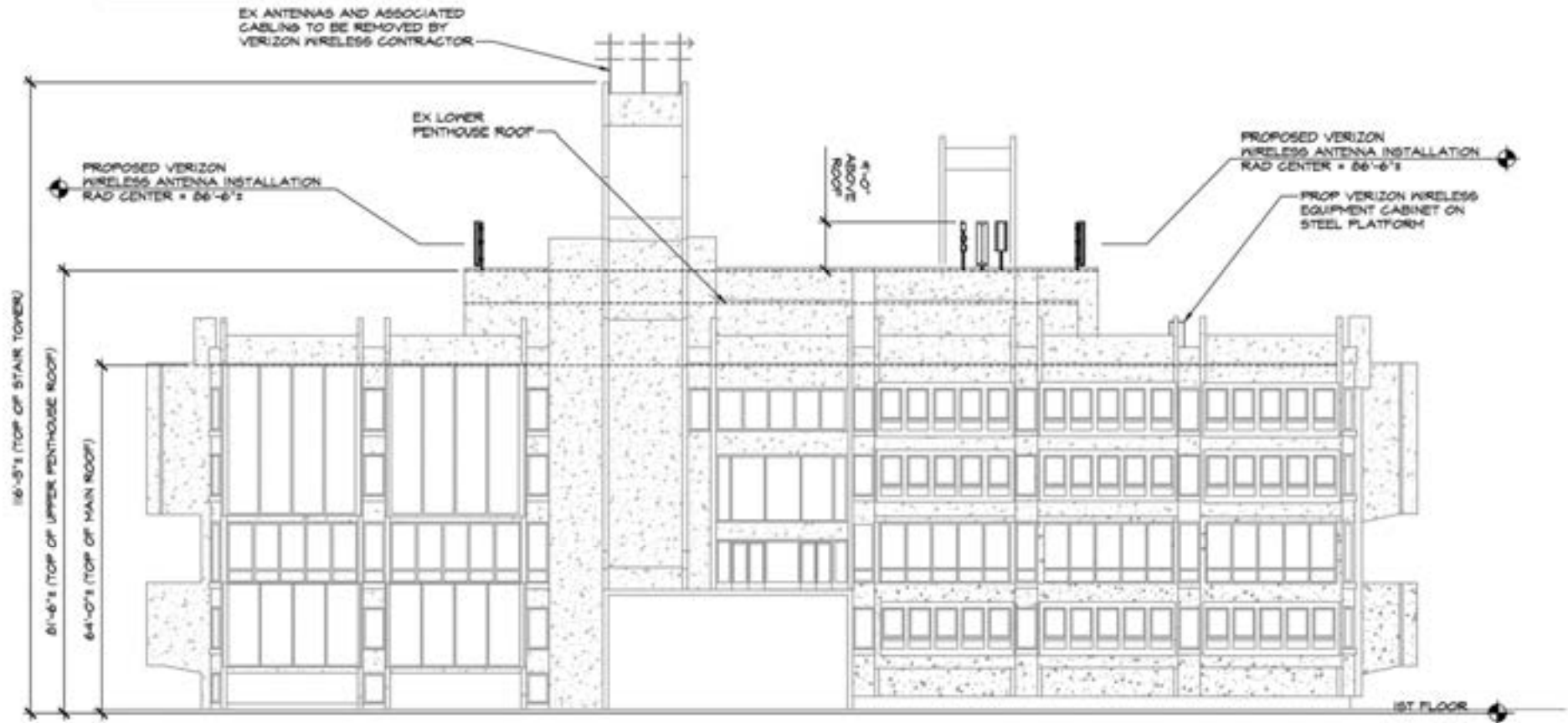
# Alt. Option 4 Site Plan – Zoomed West



# Alt. Option 4 Site Plan – Zoomed East



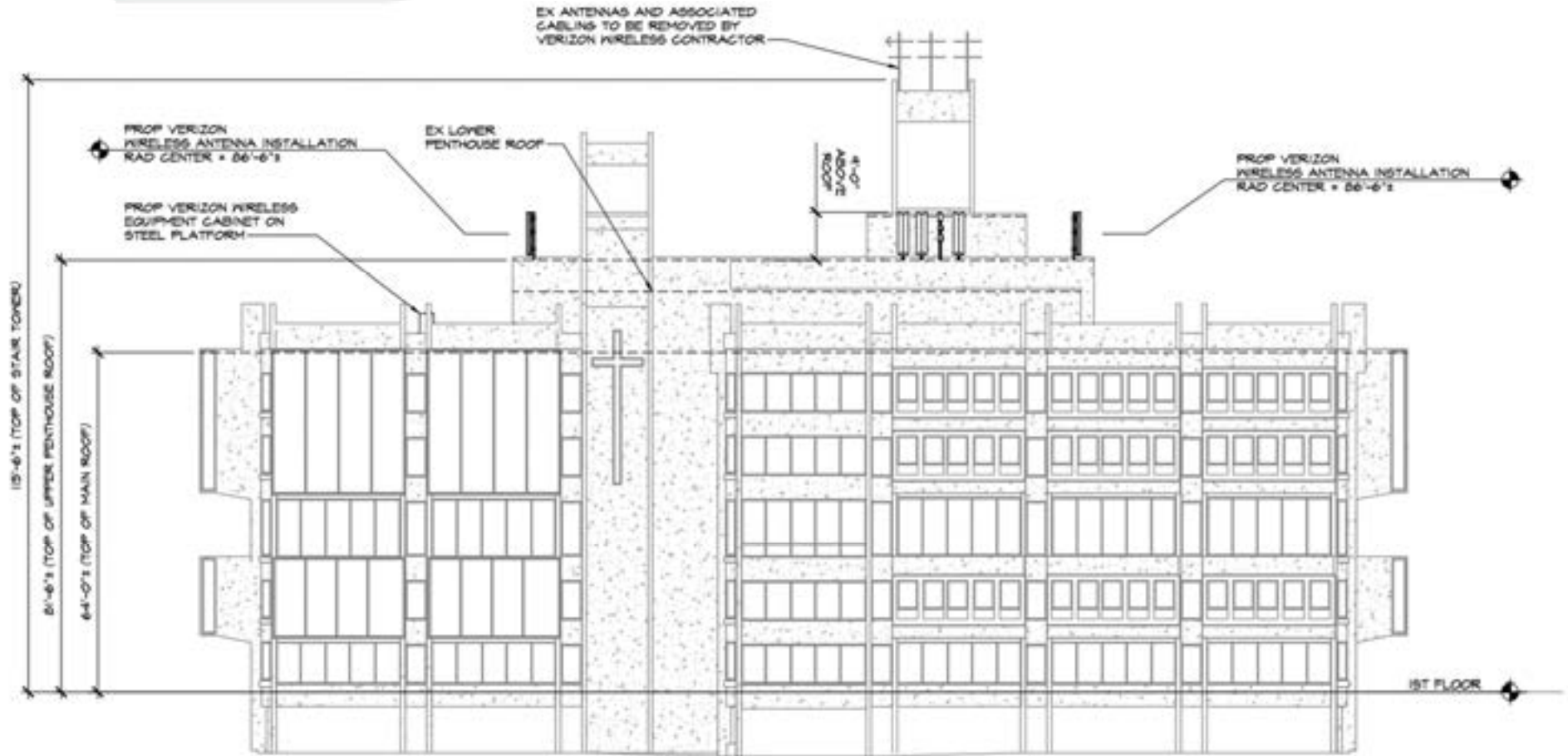
# Alt. Option 4 North Elevation



NORTH BUILDING ELEVATION

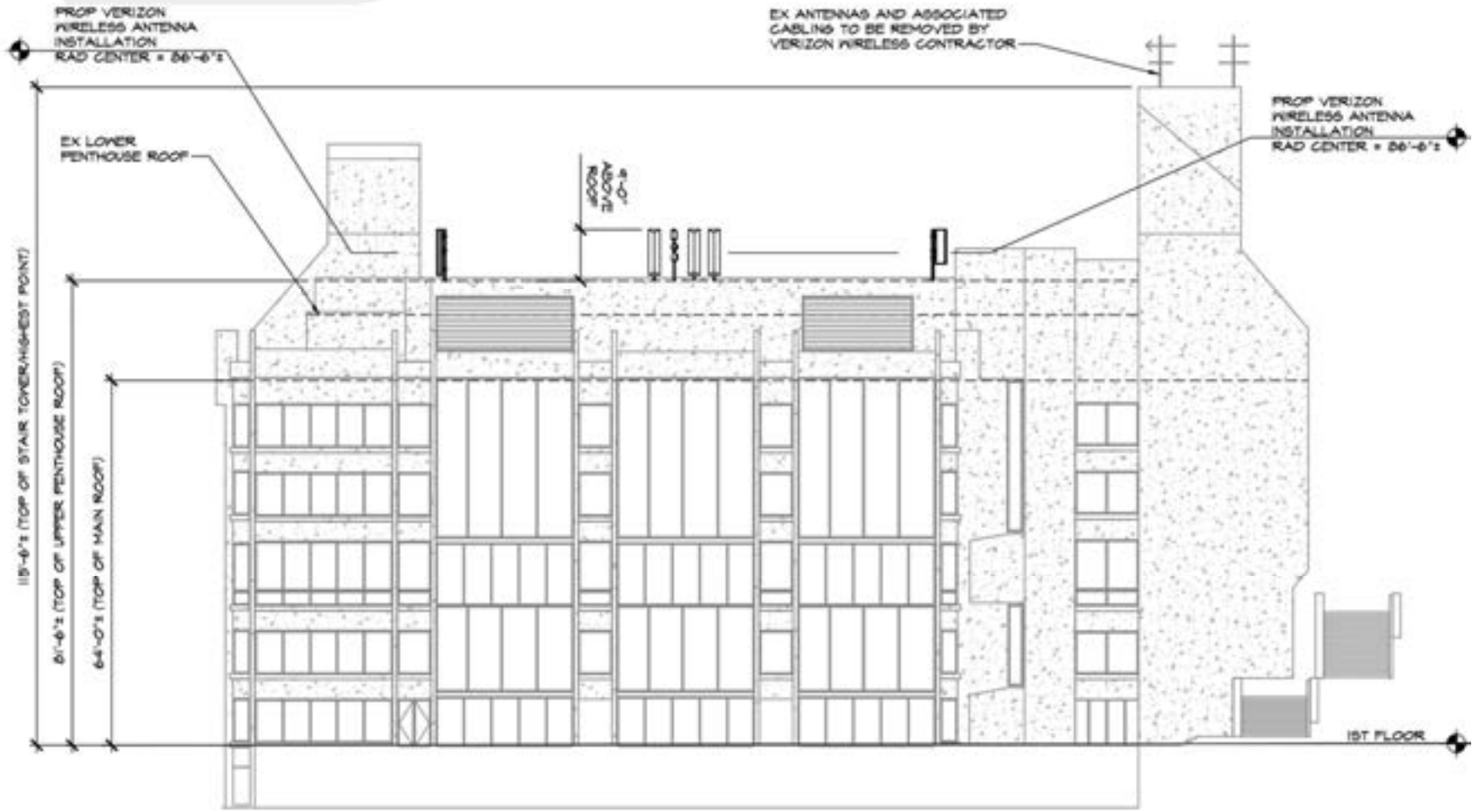


# Alt. Option 4 South Elevation



SOUTH BUILDING ELEVATION

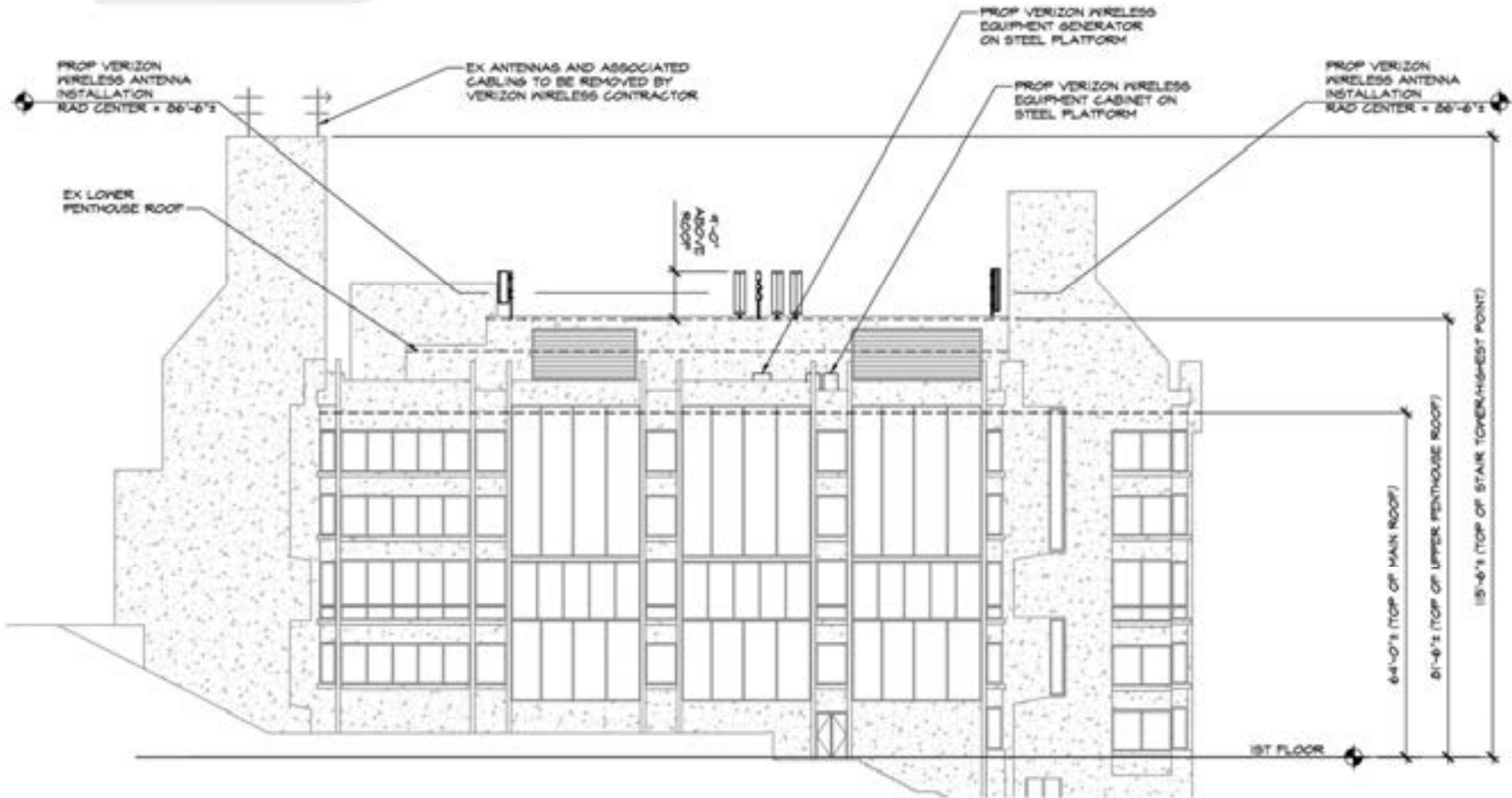
# Alt. Option 4 East Elevation



EAST BUILDING ELEVATION



# Alt. Option 4 West Elevation



WEST BUILDING ELEVATION



# Alt. Option 4 View From Healy Lawn



**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 11-Carroll Walk  
View from the North  
**Showing the Existing Site**

**NBIC**  
TOTALLY COMMITTED.

# Alt. Option 4 View From Healy Lawn



**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 11-Carroll Walk  
View from the North  
Design #4  
**Showing the Proposed Site**

**NBIC**  
TOTALLY COMMITTED.



# Alt. Option 4 View From Healy Lawn



**Site Name: Georgetown  
University-Laulinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 12-Carroll Walk  
View from the North  
**Showing the Existing Site**

**NBIC**  
TOTALLY COMMITTED



# Alt. Option 4 View From Healy Lawn



**Site Name: Georgetown  
University-Lainger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 12-Carroll Walk  
View from the North  
Design #4  
**Showing the Proposed Site**

**NBIC**  
TOTALLY COMMITTED

# Alt. Option 4 View From Healy Lawn



Site Name: Georgetown  
University-Lauinger Library  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

Photograph Information:  
View 13-Healy Lawn  
View from the North  
*Showing the Existing Site*

**NBIC**  
TOTALLY COMMITTED.



# Alt. Option 4 View From Healy Lawn



Site Name: Georgetown  
University-Lauinger Library  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

Photograph Information:  
View 13-Healy Lawn  
View from the North  
Design #4  
Showing the Proposed Site

**NBIC**  
TOTALLY COMMITTED.



# Alt. Option 4 View From Healy Lawn



**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

**Photograph Information:**  
View: 15-Copley Lawn  
View from the North  
*Showing the Existing Site*

**NBIC**  
TOTALLY COMMITTED.

# Alt. Option 4 View From Healy Lawn



**Site Name: Georgetown  
University-Lauinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

**Photograph Information:**  
View: 15-Copley Lawn  
View from the North  
Design #4  
**Showing the Proposed Site**





# Alt. Option 4 View From Healy Lawn



**Site Name: Georgetown  
University-Laulinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 16-Carroll Walk  
View from the North  
**Showing the Existing Site**

**NBIC**  
TOTALLY COMMITTED



# Alt. Option 4 View From Healy Lawn

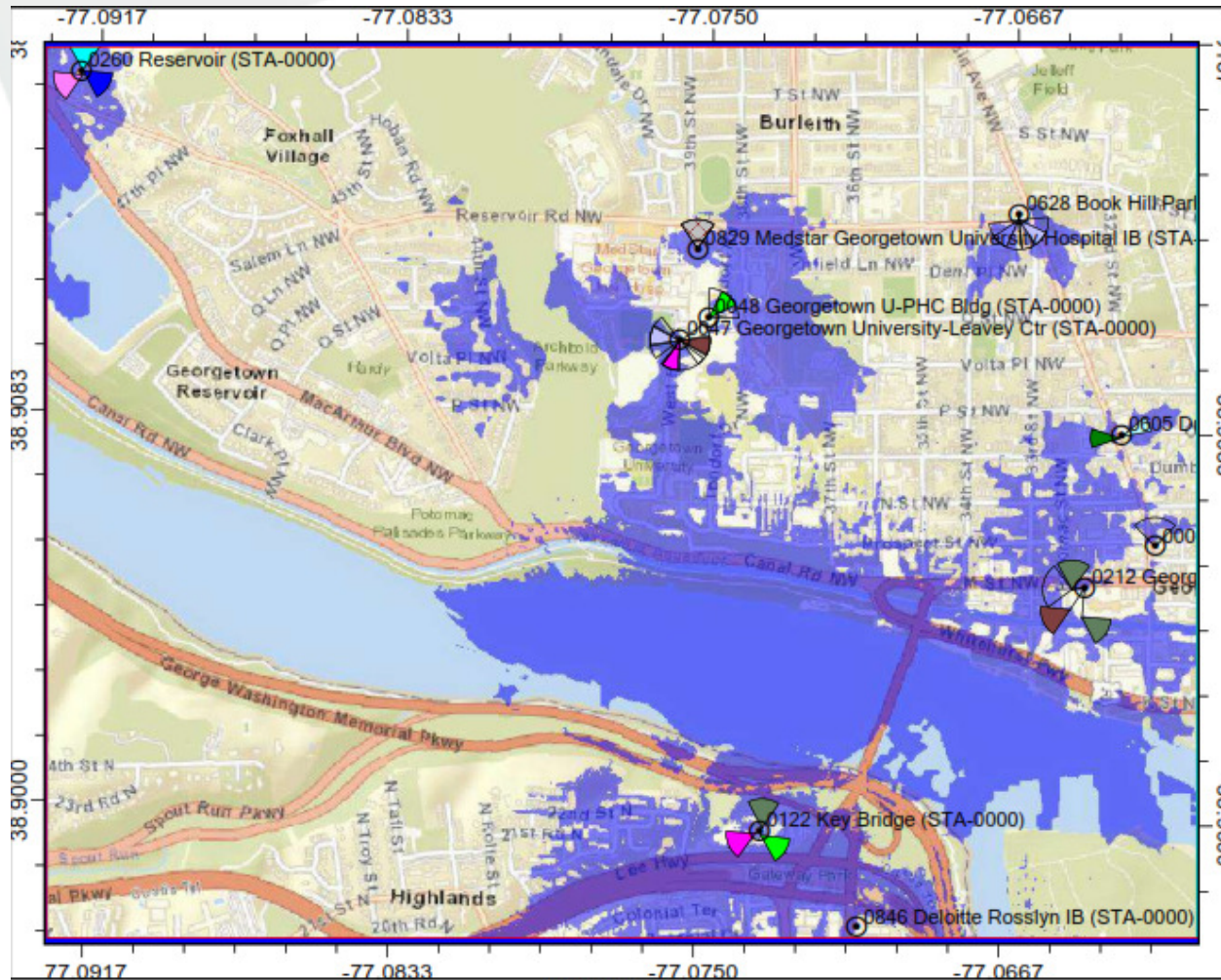


**Site Name: Georgetown  
University-Laulinger Library**  
Wireless Communication Facility  
3700 O Street NW  
Washington, DC 20057

*Photograph Information:*  
View 16-Carroll Walk  
View from the North  
Design #4  
**Showing the Proposed Site**

**NBIC**  
TOTALLY COMMITTED

# Propagation Map – Existing

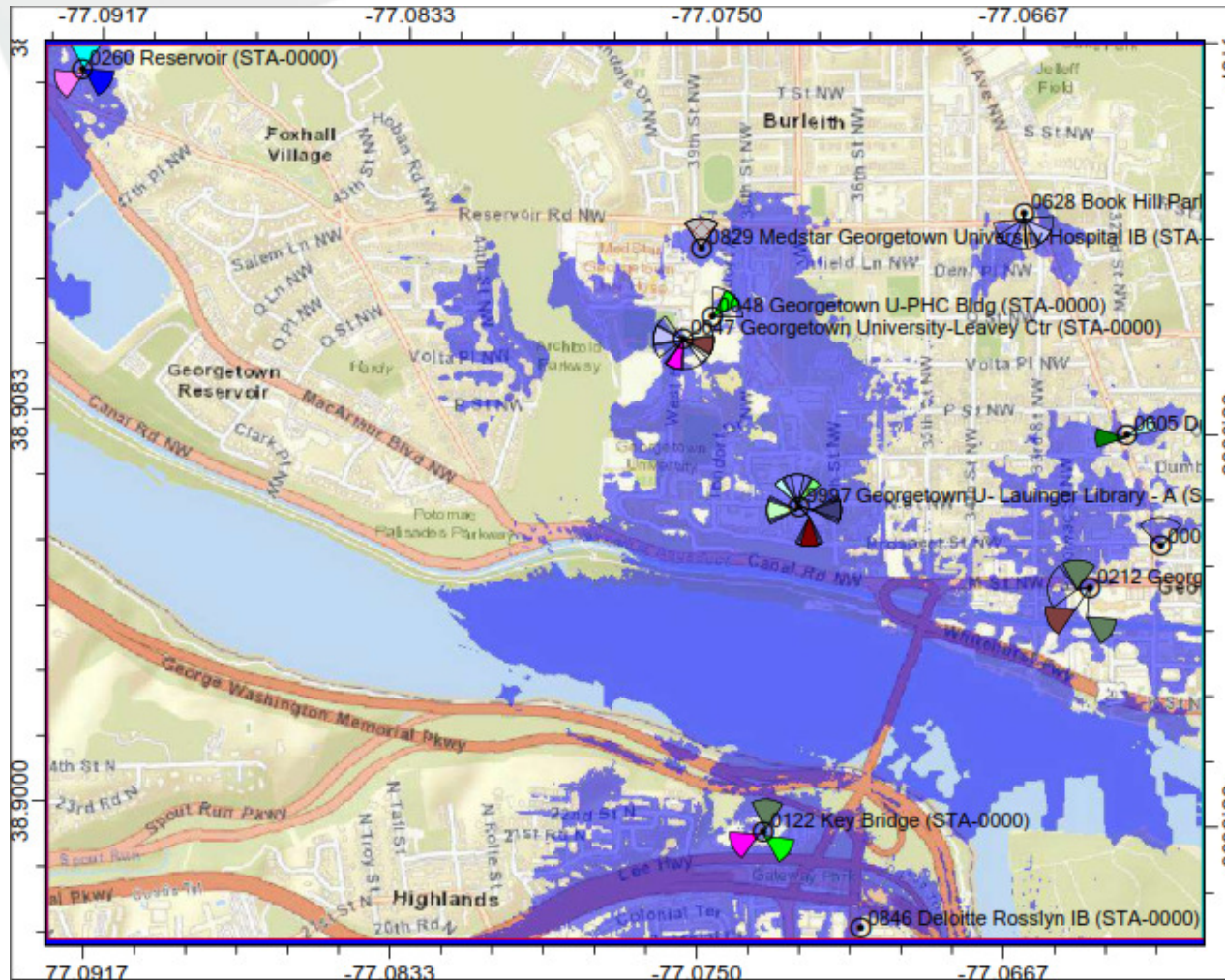


LTE\_Mobility\_RSRP Coverage-dBm (0)

■ RSRP Level (DL) (dBm) >=-75



# Propagation Map – Proposed



LTE\_Mobility\_RSRP Coverage-dBm (0)

■ RSRP Level (DL) (dBm) >=-75



## Existing Radio Antennas to be removed



## Proposed removal of Radio Antennas



**Existing Radio Antennas to be removed**





## Proposed Removal of Radio Antennas





# Contact Information

**Shea Beltran**

*Land Use Specialist*



**NETWORK BUILDING + CONSULTING**

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