



Landscape Architects, Architects,  
Engineers, and Planners, P.C.

January 17, 2019

Honorable Mayor Picinich and Members of the Village Board  
Village of Mount Kisco  
104 Main Street  
Mount Kisco, New York 10549

Re: Visual Assessment  
Proposed Wireless Telecommunications Facility  
Rolling Ridge Court (Water Tank) and Main Street (Leonard Park) Alternative Sites

Dear Honorable Mayor and Village Board Members:

Saratoga Associates is writing on behalf of Homeland Towers, LLC regarding a proposed monopine telecommunications tower and associated equipment to be located in the Village of Mount Kisco. Alternative sites are currently under consideration off of Main Street ("Leonard Park") site (Parcel# 80.66-1-1) and Rolling Ridge Court ("Water Tank") site (Parcel# 80.67-3-2.2). Preliminary visual assessment information for the alternative sites is provided in attached Appendices A and B.

Viewshed Maps– Viewshed maps are provided for each of the two alternative sites to identify the geographic area within which there is a relatively high probability that some portion of the proposed facility may be visible above intervening landform, vegetation or built structures. Viewshed maps are provided for the Main Street and Rolling Ridge Court sites in Appendices A and B respectively.

Global Mapper 19.0 GIS software was used to generate viewshed areas based on publicly available topographic and land cover datasets. Topographic data was derived 2-meter resolution digital elevation models (DEM) acquired from the New York State GIS Clearinghouse.<sup>1</sup> Using Global Mapper's viewshed analysis tool, the alternative tower location(s) and height(s) were input and a conservative offset of six feet was applied to account for the observer's eye level. The resulting viewshed identifies grid cells with a direct line-of-sight to the tower high point.

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<sup>1</sup> <https://orthos.dhSES.ny.gov/#>

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Within one-mile of the tower site(s) existing forest vegetation was manually digitized from 1/2-foot resolution digital ortho-photographs (2016) acquired from NYS Orthos On-line.<sup>2</sup> Between one- and two-miles of the tower site(s) existing forest vegetation is based on areas with 75% or greater tree canopy coverage as presented in the National Land Cover Database (NLCD) 2011 Percent Tree Canopy dataset.<sup>3</sup> Building footprints were imported from the Westchester County GIS Data Warehouse.<sup>4</sup>

The screening effect of vegetation and built structures was incorporated by adding 50 feet in vertical height to digitized forest areas and 25 feet to building footprints. Forested areas and building footprints were removed from the viewshed result to account for affected areas located within structures or densely wooded cover.

Based on field observation, most trees in forested portions of the study area are taller than 50 feet. This height therefore represents a conservative estimate of the efficacy of vegetative screening. It is important to note that digitized vegetation is based on interpretation of forest areas that are clearly distinguishable in the source aerial photography. As such, the potential screening value of site-specific vegetative cover such as small hedgerows, street trees and individual trees and other areas of non-forest tree cover may not be represented in the viewshed analysis.

Viewshed analysis is a predictive tool used to identify areas where the proposed facility is theoretically visible. By themselves, the viewshed maps do not determine how much of the proposed facility would be visible (e.g., 100%, 50%, 10% etc. of total tower height), but rather identify the geographic area within which some portion of the facility is likely to be visible above intervening landform, vegetation or built structures. Viewshed analysis is not definitive. The primary purpose of viewshed analysis is to inform the visual analyst as to areas where project visibility is most likely.

Saratoga Associates used the viewshed map(s) to identify potentially affected places to be visited during the balloon visibility test. The viewshed map, including places where photographs would be taken during the balloon visibility test was provided to the Village Board for review and comment in advance of the balloon test.

Balloon Visibility Test - Saratoga Associates conducted a balloon visibility test on Saturday December 1 to allow the general public and local decision-makers an opportunity to observe the location and potential visibility of the facility at each of the two alternative locations. The balloon

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<sup>2</sup> <https://orthos.dhSES.ny.gov/>

<sup>3</sup> <https://www.sciencebase.gov/catalog/item/581d598be4b0dee4cc8e4547>

<sup>4</sup> <https://giswww.westchestergov.com/wcgis/MunPlan/bed.htm>

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test was conducted during winter leaf-off season to represent the worst-case (i.e., most exposed) visual condition.

The weather on December 1 was sunny with unlimited visibility. One red balloon was raised to an elevation of 130 feet above grade at the Main Street site (41° 11' 25.6784" N, 73° 43' 18.2372" W). A second red balloon was raised to an elevation of 100 feet above grade at the Rolling Ridge Court site (41° 11' 28.5683" N, 73° 42' 49.0021" W). The Main Street site balloon was tethered to a survey stake at center of the proposed tower. The Rolling Ridge site balloon was tethered approximately 30 feet north of the survey stake in order to avoid the existing tree canopy. The balloons were launched prior to 8am and remained aloft until after 12:00pm. Winds were light for the duration of the balloon float. The balloon was generally stable and remained close to its desired horizontal and vertical position for the time it was in the air.

The balloons were inflated to a diameter of approximately four-feet. It had been Saratoga Associates' intention to inflate the balloons to a diameter of five-feet. However, an unforeseen defect in one of the two helium tanks brought to the site (determined by the helium supplier to be a faulty valve) caused the loss of all backup helium. To conserve enough helium in the remaining tank to replace a balloon if needed Saratoga Associates limited balloon inflation to approximately four-foot diameter. The four-foot diameter balloons were clearly visible from all affected study locations.

Field Observation and Photography – With the balloon in the air an experienced visual analyst (Matthew Allen, RLA) visited each predetermined place to document whether or not the balloon(s) were visible. Additional locations as identified in the field by the visual analyst were also visited. Photographs were taken from each visited location. The location of the photo points is provided on the associated viewshed map included in Appendices A and B. Mapped photo locations are coded to indicate places the balloon was not visible, visible above intervening vegetation, or visible through intervening trees.

Photographs were taken using a Canon EOS D6 Mark II digital single lens reflex ("DSLR") 26-mega pixel camera with a fixed 50mm lens (full frame sensor) to simulate normal human eyesight relative to scale. The precise coordinates of each photo location were recorded in the field using a handheld global positioning system (GPS) unit. Prior to the field observation, the coordinates of the proposed telecommunications tower were programmed into a handheld GPS unit as a "waypoint". The "waypoint indicator" function of the GPS (arrow pointing along a calculated bearing) was used to assist the visual analyst determine the direction of the tower site from each photo location. This was especially useful when the balloon was not visible above the tree line.

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Photographs taken during the balloon visibility test are provided in Appendices A and B for the Main Street and Rolling Ridge Court sites respectively. Photographs were taken from the following locations:

Main Street (Leonard Park) Site

VP1 – Leonard Park

VP2 – Carlton Drive

VP3 – Ascot Circle

VP4 – Cold Spring Court

VP5 – Carlton Drive

VP6 – Brentwood Court

VP7 – Brentwood Court

VP8 – Marsh Conservation Area

VP9 – Byram Lake Road

VP10 – Birch Drive

VP11 – Harriman Road

VP12 – Langland Drive

VP13 – Oakwood Cemetery

VP14 – Main Street at South Bedford Road

VP15 – Boltis Street

VP16 – Main Street at Leonard Park

VP17 – Leonard Park

VP18 – Leonard Park

VP19 – Leonard Park

VP20 – Leonard Park

VP21 – South Bedford Road at Leonard Park

VP22 – Leonard Park

Rolling Ridge Court (Water Tank) Site

VP23 – Leonard Park

VP24 – Rolling Ridge Court

VP25 – Rolling Ridge Court

VP26 – Carlton Drive

VP27 – Cold Spring Court

VP28 – Cold Spring Court

VP29 – Ascot Circle

VP30 – Carlton Drive

VP31 – Brentwood Court

VP32 – Brentwood Court

VP33 – Marsh Conservation Area

VP34 – Sarles Street

VP35 – Byram Lake Road

VP36 – Sarles Street

VP37 – Oakwood Cemetery

VP38 – Main Street at South Bedford Road

VP39 – South Bedford Road

VP40 – Leonard Park

Photo Simulations - To illustrate how the stealth monopine design wireless telecommunications tower will appear photo simulations were prepared from several affected locations representing each of the two alternative sites. Photo simulation locations are provided on the associated viewshed map. Photo simulations are provided in Appendices A and B for the Main Street and Rolling Ridge Court sites respectively.

Photo simulations were developed by superimposing a rendering of a three-dimensional computer model of the proposed Project into the base photograph taken from each corresponding visual receptor. The three-dimensional computer model was developed using 3D Studio Max Design® software (3D Studio Max).

Simulated perspectives (camera views) were matched to the corresponding base photograph for each simulated view by replicating the precise coordinates of the field camera position (as

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recorded by handheld GPS) and the focal length of the camera lens used (e.g. 50mm). Precisely matching these parameters assures scale accuracy between the base photograph and the subsequent simulated view. The camera's elevation (Z) value is derived from digital elevation model (DEM) data plus the camera's height above ground level. The camera's target position was set to match the bearing of the corresponding existing condition photograph as recorded in the field. With the existing conditions photograph displayed as a "viewport background," and the viewport properties set to match the photograph's pixel dimensions, minor camera adjustments were made (horizontal and vertical positioning, and camera roll) to align the horizon in the background photograph with the corresponding features of the 3D model.

To verify the camera alignment, elements visible within the photograph (e.g. study balloon, existing buildings, utility poles, topography, vegetation, roads, etc.) were identified and digitized from digital orthophotos as needed. Each element was assigned a Z value based on DEM data and then imported to 3D Studio Max. A 3D terrain model was also created (using DEM data) to replicate the existing local topography. The digitized elements were then aligned with corresponding elements in the photograph by adjusting the camera target. If necessary, slight camera adjustments were made for accurate alignment.

A daylight system was created matching the exact date and time of each baseline photograph to assure proper shading and shadowing of modeled elements.

Once the camera alignment was verified, a to-scale 3D model of the proposed stealth monopine type telecommunications tower was merged into the model space. The 3D model of tower was constructed in sufficient detail to accurately convey visual character and reveal impacts. The scale, alignment, elevations and location of the visible elements of the proposed tower are true to the conceptual design. Post production editing (i.e., airbrush out portion of tower that falls below or behind foreground topography and vegetation) was completed using Adobe Photoshop software. The methodology accurately represents the location, height and visual character of the proposed tower.

Visual Significance – The significance of visual impact is defined by the DEC Program Policy on Assessing and Mitigating Visual Impact (DEP-00-2) (DEC Visual Policy)<sup>5</sup>. Visual significance is defined by the NYS DEC Visual Policy as follows; "Aesthetic impact occurs when there is a detrimental effect on the perceived beauty of a place or structure. Mere visibility, even startling visibility of a project proposal, should not be a threshold for decision making."<sup>6</sup> Significant aesthetic impacts are those that may cause a diminishment of the public enjoyment and

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<sup>5</sup> [http://www.dec.ny.gov/docs/permits\\_ej\\_operations\\_pdf/visual2000.pdf](http://www.dec.ny.gov/docs/permits_ej_operations_pdf/visual2000.pdf)

<sup>6</sup> NYSDEC Visual Policy (DEP-00-2), p.9 (attached as Exhibit L).

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appreciation of an inventoried resource, or one that impairs the character or quality of such a place. Proposed large facilities by themselves should not be a trigger for a declaration of significance.”<sup>7</sup> In other words, the DEC Visual Policy recognizes that not everything that is visible rises to the level of an aesthetic impact, and not all aesthetic impacts rise to the level of a significant aesthetic impact that may diminish public enjoyment of a public resource.

At both the alternative Main Street and Rolling Ridge Court sites Homeland Towers proposes use of a stealth monopine tower design to help visually blend the structure with the surrounding woodland landscape minimizing visual contrast. Based on the limited geographic extent of project visibility identified in viewshed analysis and demonstrated during the balloon visibility test, and the minimized visual contrast of the stealth monopine design as depicted in the photo simulations, project visibility is not of a size or extent that it would constitute a significant aesthetic impact. The project also does not affect a sufficient number of public viewers or geographic area where the project can reasonably be deemed to be visually important as defined by SEQRA.

Furthermore, when considered within the framework of the DEC Visual Policy’s definition of “significant adverse visual impact”, it is clear the project will not cause a diminishment of the public enjoyment and appreciation of any scenic or historic resource, or one that impairs the character or quality of such a place.

Thank you for your attention to this matter.



Matthew W. Allen, RLA  
Principal

**SARATOGA ASSOCIATES**

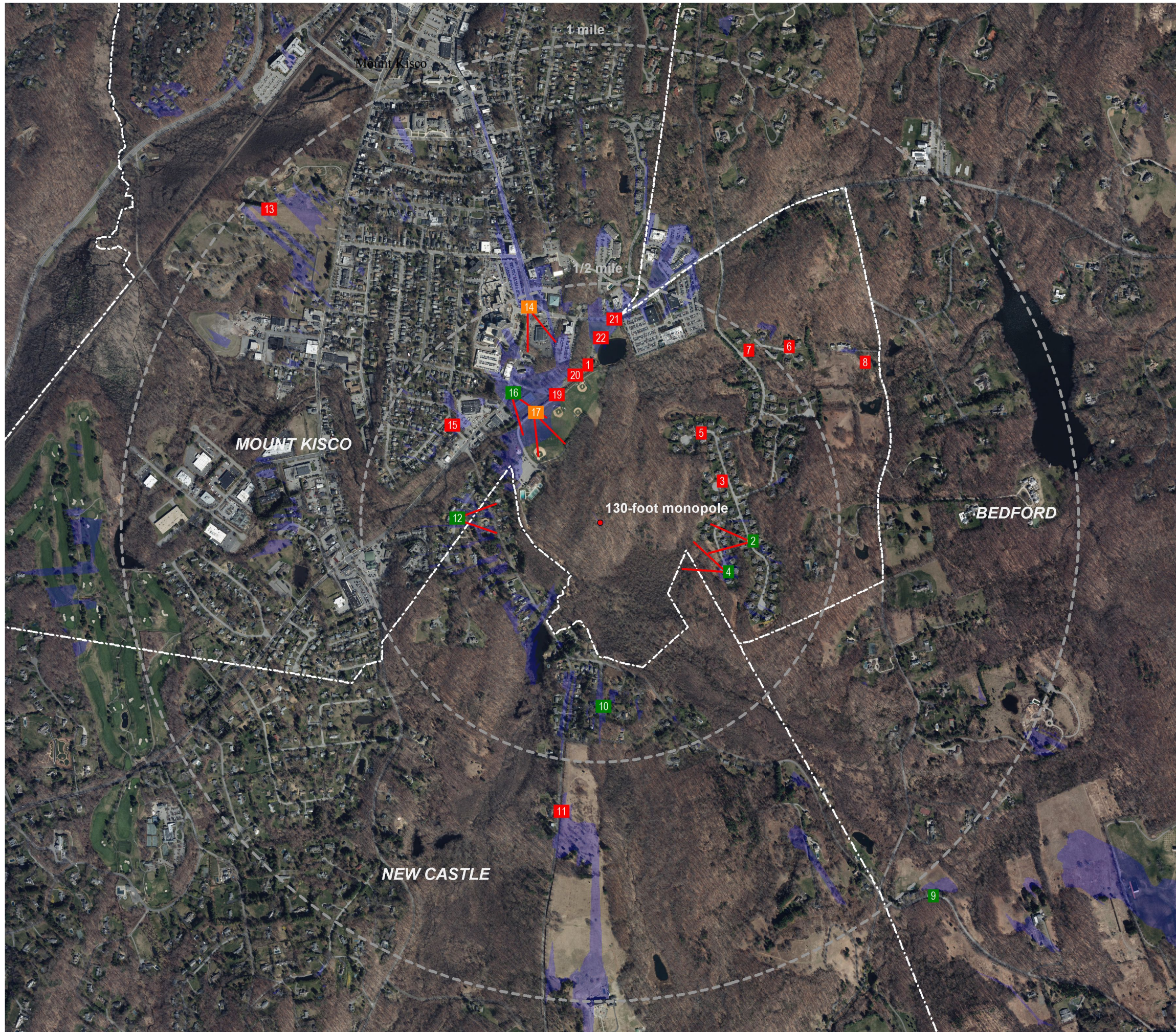
Landscape Architects, Architects, Engineers, and Planners, P.C.

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<sup>7</sup> *Id.* p.5.

## Appendix A

### Main Street (Leonard Park) Site



**LEGEND**

■ Land Cover Viewshed Area  
(Includes existing vegetation and structures)

Photo Locations

- Photo Location - Balloon Not Visible
- Photo Location - Balloon Visible
- Photo Location - Balloon Visible Through Trees
- V Photo Simulation Location

Note: Viewshed areas are not definitive. Viewshed analysis is a predictive tool identifying areas where the proposed project is theoretically visible based on regional topographic, forest and building cover data sources.

The "Land Cover" condition viewshed area includes the screening effect of intervening vegetation and buildings. Vegetated areas and buildings were manually digitized from 2016 one-foot resolution digital orthoimagery. All digitized tree cover is assumed to be 50 feet tall and all digitized buildings are assumed to be 25 feet tall.

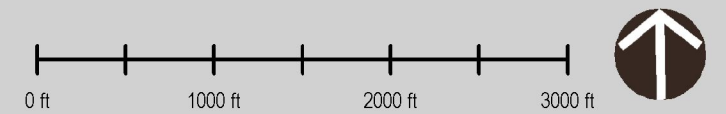


FIGURE 1  
VIEWSHED MAP - 1 MILE RADIUS

Visual Resource Assessment

**Proposed Telecommunications Tower**



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY





VP1 - Leonard Park

Distance: 1,750 Feet



VP2- Carlton Drive

Distance: 770 Feet

PHOTO LOG

Figure 2

Visual Resource Assessment  
**Proposed Telecommunications Tower**



VP3 - Ascot Circle

Distance: 1,390 Feet



VP4- Cold Spring Court

Distance: 1,490 Feet

PHOTO LOG

Figure 3

Visual Resource Assessment  
**Proposed Telecommunications Tower**



VP5 - Carlton Drive

Distance: 1,470 Feet



VP6 - Brentwood Court

Distance: 2,830 Feet

PHOTO LOG

Figure 4

Visual Resource Assessment  
Proposed Telecommunications Tower



Balloon screened by trees in this area →

VP7 - Brentwood Court

Distance: 2,490 Feet



Balloon screened by trees in this area →

VP8 - Marsh Conservation Area

Distance: 3,400 Feet

PHOTO LOG

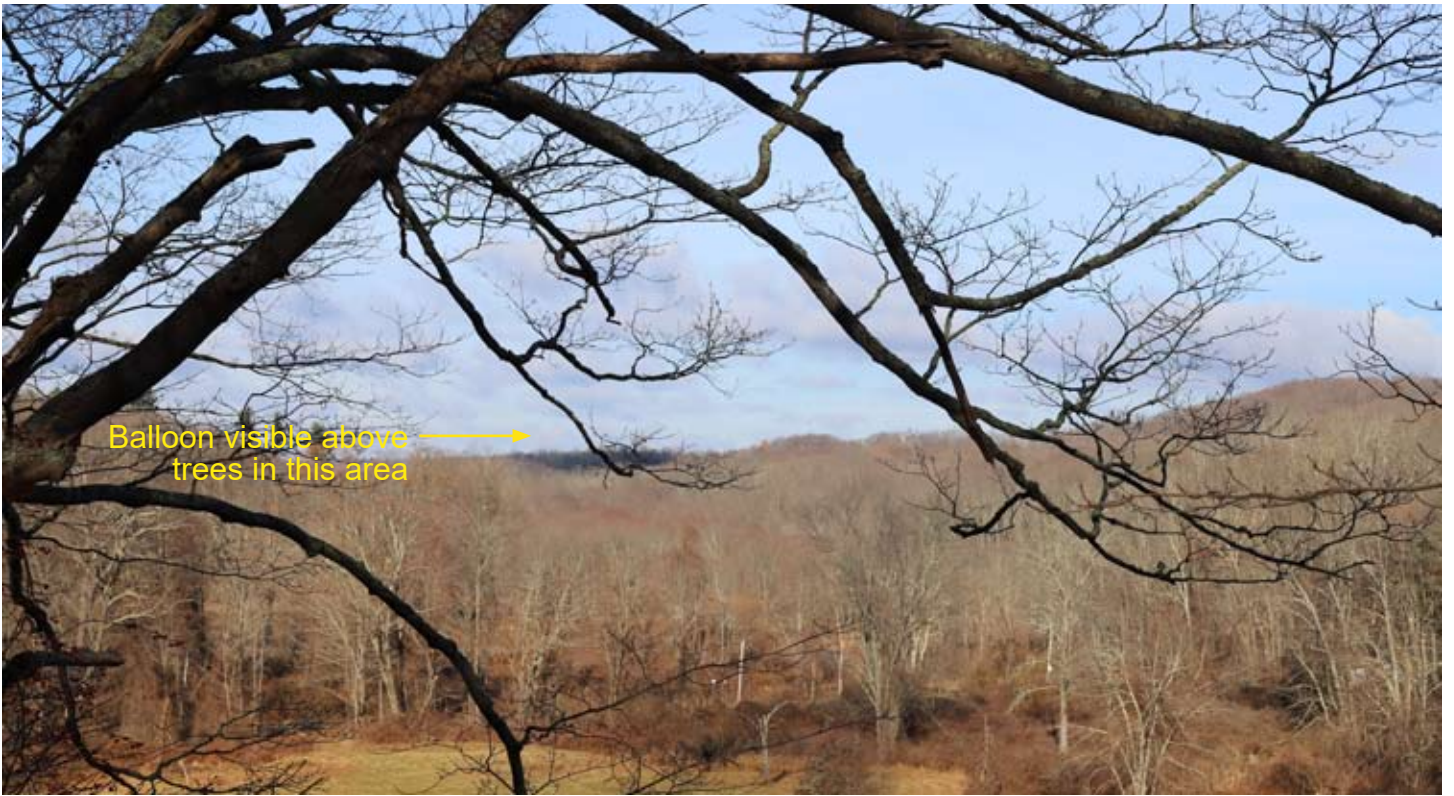
Figure 5

Visual Resource Assessment  
Proposed Telecommunications Tower

SARATOGA  
ASSOCIATES



Mount Kisco Site (NY172)  
Main Street (Leonard Park)  
Site  
Mount Kisco, NY



Balloon visible above trees in this area →

VP9 - Byram Lake Road

Distance: 4,650 Feet



Balloon visible above trees in this area →

VP10 - Birch Drive

Distance: 2,020 Feet

PHOTO LOG

Figure 6

Visual Resource Assessment  
Proposed Telecommunications Tower

SARATOGA  
ASSOCIATES



Mount Kisco Site (NY172)  
Main Street (Leonard Park)  
Site  
Mount Kisco, NY



VP11 - Harriman Road

Distance: 3,220 Feet



VP12 - Langeland Drive

Distance: 1,590 Feet

PHOTO LOG

Figure 7

Visual Resource Assessment  
Proposed Telecommunications Tower

SARATOGA  
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Mount Kisco Site (NY172)  
Main Street (Leonard Park)  
Site  
Mount Kisco, NY



VP13 - Oakwood Cemetery

Distance: 1 Mile



VP14 - Main Street at S Bedford Rd.

Distance: 2,520 Feet

PHOTO LOG

Figure 8

Visual Resource Assessment  
**Proposed Telecommunications Tower**

**SARATOGA**  
ASSOCIATES



Mount Kisco Site (NY172)  
Main Street (Leonard Park)  
Site  
Mount Kisco, NY



VP15 - Boltis Street

Distance: 1,980 Feet



VP16 - Main Street at Leonard Park

Distance: 1,740 Feet

PHOTO LOG

Figure 9

Visual Resource Assessment  
**Proposed Telecommunications Tower**





VP17 - Leonard Park

Distance: 1,400 Feet



VP18 - Leonard Park

Distance: 1,400 Feet

PHOTO LOG

Figure 10

Visual Resource Assessment  
**Proposed Telecommunications Tower**



VP19 - Leonard Park

Distance: 1,490 Feet



VP20- Leonard Park

Distance: 1,660 Feet

PHOTO LOG

Figure 11

Visual Resource Assessment  
**Proposed Telecommunications Tower**



VP21 - S Bedford Road at Leonard Park

Distance: 2,250 Feet



VP22 - Leonard Park

Distance: 2,040 Feet

PHOTO LOG

Figure 12

Visual Resource Assessment  
**Proposed Telecommunications Tower**



#### Photograph Information

Date: December 1, 2018  
Time: 9:55 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 23.5464" N  
73° 42' 56.6388" W  
Distance: 1,670 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP2 - Carlton Drive

SARATOGA  
ASSOCIATES

Figure 12A  
Visual Resource Assessment  
**PROPOSED TELECOMMUNICATIONS TOWER**



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 9:55 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 23.5464" N  
73° 42' 56.6388" W  
Distance: 1,670 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP2 - Carlton Drive

SARATOGA  
ASSOCIATES

Figure 12B  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 9:57 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 20.2164" N  
73° 43' 00.2064" W  
Distance: 1,490 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP4 - Cold Spring Court

SARATOGA  
ASSOCIATES

Figure 13A  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 9:57 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 20.2164" N  
73° 43' 00.2064" W  
Distance: 1,490 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP4 - Cold Spring Court

SARATOGA  
ASSOCIATES

Figure 13B  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 11:09 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 26.3407" N  
73° 43' 39.1909" W  
Distance: 1,600 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP12 - Langeland Drive

SARATOGA  
ASSOCIATES

Figure 14A  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY





#### Photograph Information

Date: December 1, 2018  
Time: 11:09 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 26.3407" N  
73° 43' 39.1909" W  
Distance: 1,600 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP12 - Langeland Drive

SARATOGA  
ASSOCIATES

Figure 14B  
Visual Resource Assessment  
**PROPOSED TELECOMMUNICATIONS TOWER**



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 11:59 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 49.2828" N  
73° 43' 28.5816" W  
Distance: 2,520 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP14 - South Bedford Road and Main Street

Figure 15A  
Visual Resource Assessment

**PROPOSED TELECOMMUNICATIONS TOWER**



Photograph Information

Date: December 1, 2018  
Time: 11:59 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 49.2828" N 73° 43' 28.5816" W  
Distance: 2,520 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP14 - South Bedford Road and Main Street

Figure 15B  
Visual Resource Assessment

PROPOSED TELECOMMUNICATIONS TOWER



Photograph Information

Date: December 1, 2018  
Time: 12:41 pm  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 39.9480" N  
73° 43' 30.9828" W  
Distance: 1,740 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP16 - Main Street and Wallace Street

SARATOGA  
ASSOCIATES

Figure 16A  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 12:41 pm  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 39.9480" N  
73° 43' 30.9828" W  
Distance: 1,740 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP16 - Main Street and Wallace Street

SARATOGA  
ASSOCIATES

Figure 16B  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 12:44 pm  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 37.7664" N  
73° 43' 27.7536" W  
Distance: 1,420 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP17 - Leonard Park

SARATOGA  
ASSOCIATES

Figure 17A  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 12:44 pm  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 37.7664" N  
73° 43' 27.7536" W  
Distance: 1,420 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP17 - Leonard Park

SARATOGA  
ASSOCIATES

Figure 17B  
Visual Resource Assessment  
**PROPOSED TELECOMMUNICATIONS TOWER**

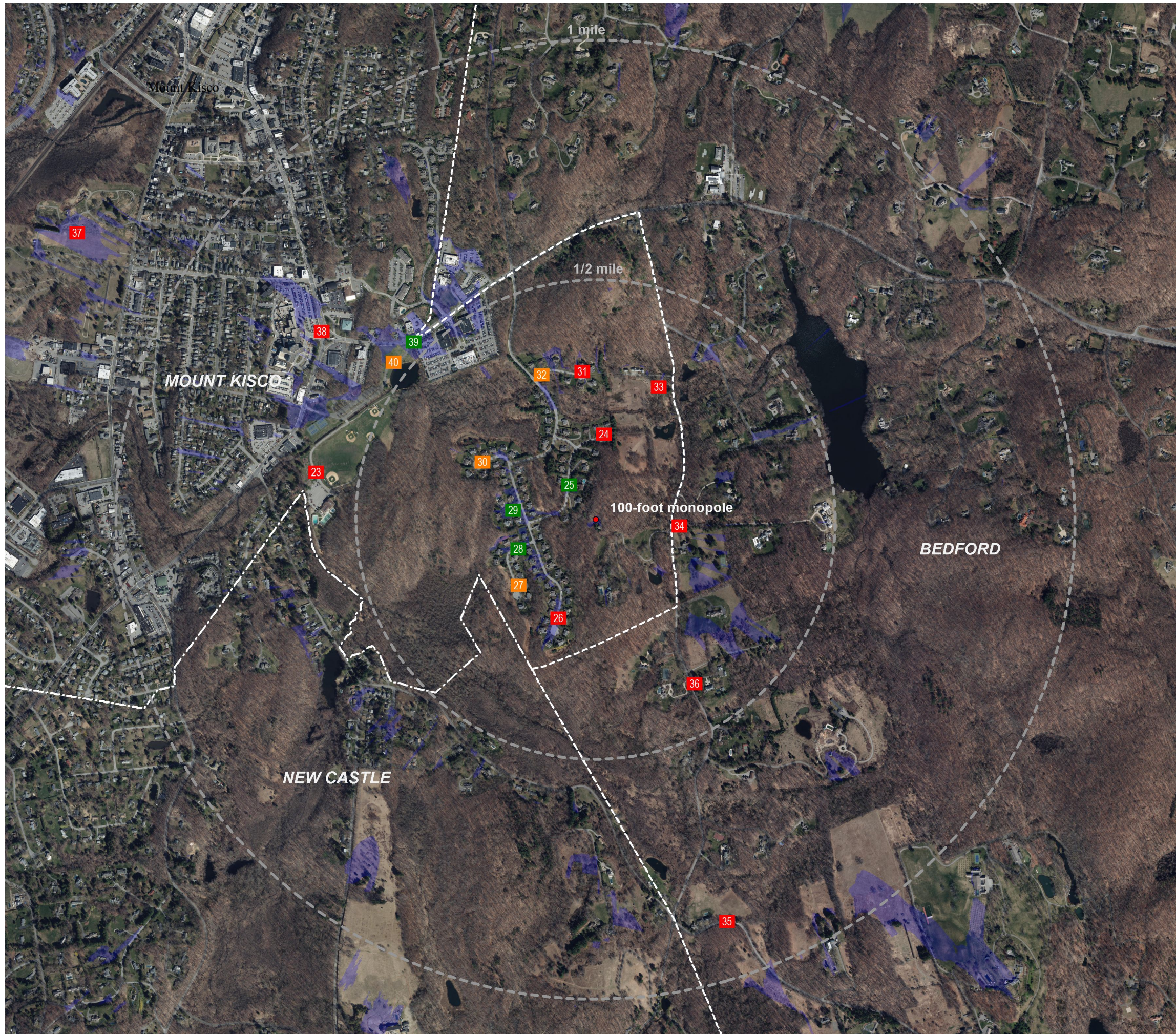


Mount Kisco Site (NY172)  
Main Street (Leonard Park) Site  
Mount Kisco, NY

## Appendix B

### Rolling Ridge Court (Water Tank) Site





**LEGEND**

■ Land Cover Viewshed Area  
(Includes existing vegetation and structures)

Photo Locationse

- Photo Location - Balloon Not Visible
- Photo Location - Balloon Visible
- Photo Location - Balloon Visible Through Trees
- V Photo Simulation Location

Note: Viewshed areas are not definitive. Viewshed analysis is a predictive tool identifying areas where the proposed project is theoretically visible based on regional topographic, forest and building cover data sources.

The "Land Cover" condition viewshed area includes the screening effect of intervening vegetation and buildings. Vegetated areas and buildings were manually digitized from 2016 one-foot resolution digital orthoimagery. All digitized tree cover is assumed to be 50 feet tall and all digitized buildings are assumed to be 25 feet tall.

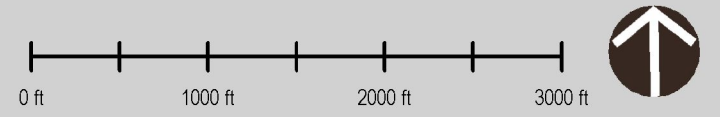


FIGURE 1  
VIEWSHED MAP - 1 MILE RADIUS

Visual Resource Assessment  
**Proposed Telecommunications Tower**



Mount Kisco Site (NY172)  
Rolling Ridge Ct.(Water Tank) Site  
Mount Kisco, NY



VP23 - Leonard Park

Distance: 3,150 Feet



VP24 - Rolling Ridge Court

Distance: 940 Feet

PHOTO LOG

Figure 2

Visual Resource Assessment  
Proposed Telecommunications Tower



Balloon visible above trees in this area



VP25- Rolling Ridge Court

Distance: 500 Feet



Balloon screened by trees in this area



VP26 - Carlton Drive

Distance: 1,170 Feet

PHOTO LOG

Figure 3

Visual Resource Assessment  
Proposed Telecommunications Tower



VP27- Cold Spring Court

Distance: 1,140 Feet



VP28- Cold Spring Court

Distance: 940 Feet

PHOTO LOG

Figure 4

Visual Resource Assessment  
**Proposed Telecommunications Tower**

**SARATOGA**  
ASSOCIATES



Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site,  
Mount Kisco, NY



Balloon visible above trees in this area →

VP29 - Ascot Circle

Distance: 940 Feet



Balloon screened by structure in this area →

VP30 - Cold Spring Court

Distance: 1,420 Feet

PHOTO LOG

Figure 5

Visual Resource Assessment  
Proposed Telecommunications Tower



VP31 - Brentwood Court

Distance: 1,640 Feet



VP32 - Brentwood Court

Distance: 1,710 Feet

PHOTO LOG

Figure 7

Visual Resource Assessment  
**Proposed Telecommunications Tower**

**SARATOGA**  
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Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site,  
Mount Kisco, NY



VP33 - Marsh Conservation Area

Distance: 3,400 Feet



VP34 - Sarles Street

Distance: 900 Feet

PHOTO LOG

Figure 6

Visual Resource Assessment  
Proposed Telecommunications Tower



VP35 - Byram Lake Road

Distance: 4,650 Feet



VP36 - Sarles Street

Distance: 2,100 Feet

PHOTO LOG

Figure 8

Visual Resource Assessment  
Proposed Telecommunications Tower





VP37 - Oakwood Cemetery

Distance: 1.25 Miles



VP38 - Main Street at South Bedford Road

Distance: 3,680 Feet

PHOTO LOG

Figure 10

Visual Resource Assessment  
**Proposed Telecommunications Tower**



VP39 - South Bedford Road

Distance: 2,820 Feet



VP40 - Leonard Park

Distance: 2,840 Feet

PHOTO LOG

Figure 9

Visual Resource Assessment  
**Proposed Telecommunications Tower**

**SARATOGA**  
ASSOCIATES



Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site,  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 9:50 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 32.3420" N  
73° 42' 53.1387" W  
Distance: 500 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP25 - Rolling Ridge Court

SARATOGA  
ASSOCIATES

Figure 10A  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 9:50 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 32.3420" N  
73° 42' 53.1387" W  
Distance: 500 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP25 - Rolling Ridge Court

SARATOGA  
ASSOCIATES

Figure 10B  
Visual Resource Assessment  
**PROPOSED TELECOMMUNICATIONS TOWER**



Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 10:00 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 25.4400" N  
73° 43' 00.5772" W  
Distance: 940 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP28 - Cold Spring Court

Figure 11A  
Visual Resource Assessment

**PROPOSED TELECOMMUNICATIONS TOWER**



Photograph Information

Date: December 1, 2018  
Time: 10:00 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 25.4400" N  
73° 43' 00.5772" W  
Distance: 940 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP28 - Cold Spring Court

SARATOGA  
ASSOCIATES

Figure 11B  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 10:01 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 29.6592" N  
73° 43' 01.2504" W  
Distance: 940 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP29 - Ascot Circle

SARATOGA  
ASSOCIATES

Figure 12A  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site  
Mount Kisco, NY



Photograph Information

Date: December 1, 2018  
Time: 10:01 am  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 29.6592" N  
73° 43' 01.2504" W  
Distance: 940 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP29 - Ascot Circle

SARATOGA  
ASSOCIATES

Figure 12B  
Visual Resource Assessment  
PROPOSED TELECOMMUNICATIONS TOWER



Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site  
Mount Kisco, NY





Photograph Information

Date: December 1, 2018  
Time: 12:57 pm  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 45.8412" N  
73° 43' 18.2712" W  
Distance: 2,840 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Existing Condition  
VP40 - Leonard Park

SARATOGA  
ASSOCIATES

Figure 13A  
Visual Resource Assessment  
**PROPOSED TELECOMMUNICATIONS TOWER**



Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site  
Mount Kisco, NY



#### Photograph Information

Date: December 1, 2018  
Time: 12:57 pm  
Focal Length: 50mm  
Camera: Canon 6D Mark II  
Photo Location: 41° 11' 45.8412" N  
73° 43' 18.2712" W  
Distance: 2,840 Feet

To appear at the correct scale this photograph is intended to be viewed 18 inches from the reader's eye when printed on 11"x17" paper.

Simulated Condition  
VP40 - Leonard Park

SARATOGA  
ASSOCIATES

Figure 13B

Visual Resource Assessment

**PROPOSED TELECOMMUNICATIONS TOWER**



HOMELAND TOWERS

Mount Kisco Site (NY172)  
Rolling Ridge Ct. (Water Tank) Site  
Mount Kisco, NY