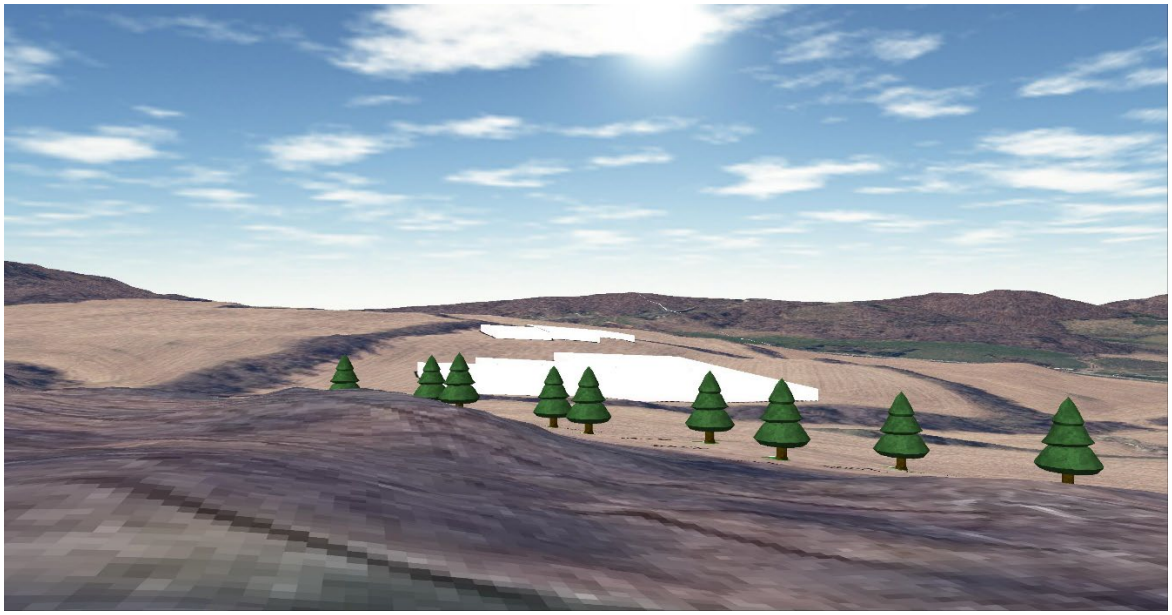
SUPPLEMENTAL SCREENING PROFILE ANALYSIS AND VIEWSHED SIMULATION

Proposed Ancram Industrial Solar Facility
3333 State Route 82
Ancramdale, Columbia County NY



Prepared for:
Save Scenic Ancram

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158 Ivy Street
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Date: May 6th, 2026

Summary

This proposed screening analysis and visual simulation are submitted to the Ancram Planning Board in response to the March 2026 Revised Submission by RIC.

RIC's most recent submitted site plans to the Ancram Planning Board for the proposed solar array at 3333 State Route 82 dated September 2025, demonstrate proposed screening tree locations, species type, and 5-year heights for each species. The proposed screening is detailed in RIC's Site Plan sheets C401 and 402 in the Special Use Permit application. To determine the efficacy of RIC's proposed screening, Harkin Aerial staff utilized the GIS software package *GlobalMapper* to simulate sightlines that account for all proposed screening. Harkin Aerial conducted line-of-sight (LOS) profile analyses from three key viewing locations. For each analysis, the maximum 5-year tree height (17 feet) across all species was applied to conservatively estimate screening conditions after 5-year growth.

The three screening locations included: 1) the public property intersection of Pats Road and Route 82; 2) the public property intersection of Pats Road and Poole Hill Road, and 3) the backyard view of 450 Woods Court, a private residence adjacent to the site.

Harkin Aerial also generated 3D view simulations using RIC's proposed screening, showing sightline locations and heights from the deck and second story viewpoint of 450 Woods Court.

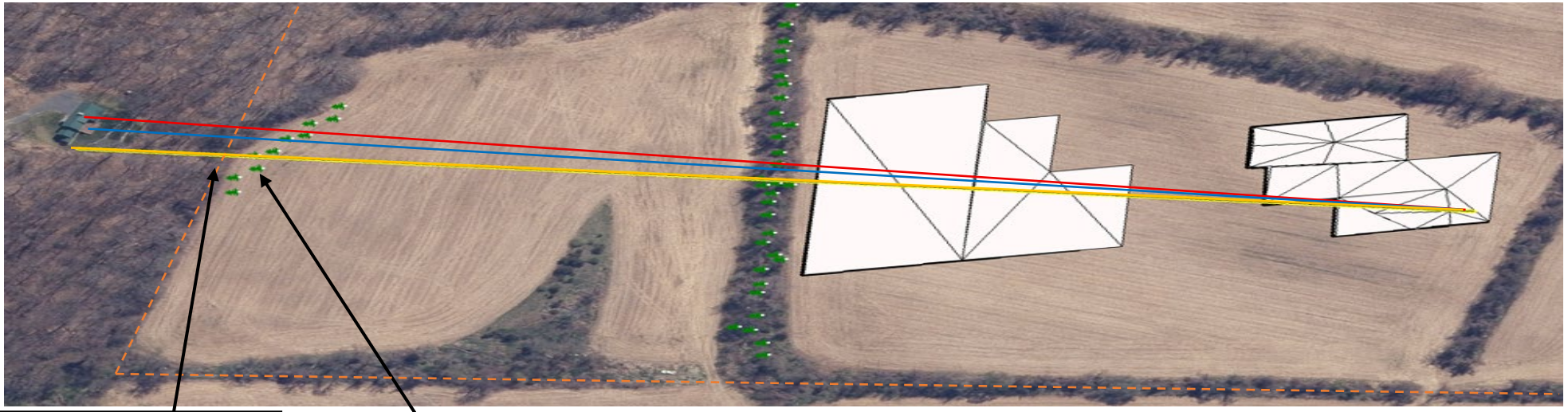
This report supports the findings of, and otherwise supplements, the viewshed analysis prepared by Harkin Aerial and previously submitted to the Ancram Planning Board on September 25, 2025.

Conclusions

In all three profile LOS analyses, RIC's proposed screening was found to be insufficient to block sight to both solar panel arrays given the maximum stated 5-year tree heights and locations.

At the public property intersection of Pats Road and Rte. 82, ground elevation of the solar panels is over 50 feet higher than the ground at viewing locations, making RIC's proposed screening ineffective due to the sharp rise in ground elevation between screening trees and solar panel locations. At the public property intersection of Pats Road and Poole Hill Road, solar panels sit well over 100 feet above viewer ground level resulting in similarly ineffective proposed screening In the case of 450 Woods Court, all proposed screening exists in a valley between the solar panel locations and the private property, and RIC's proposed screening fails to block any portion of the south solar array. RIC's proposed screening also fails to fully block the north solar array, leaving significant portions of the array unobstructed to a viewer from multiple vantage points of 450 Woods Court. The insufficient screening is supported by view simulations and site photographs of leaves-off conditions, illustrated in the following Figures 1 through 4.

Detail Profile 1: 450 Woods Ct With Proposed Screening at 5-Year Height



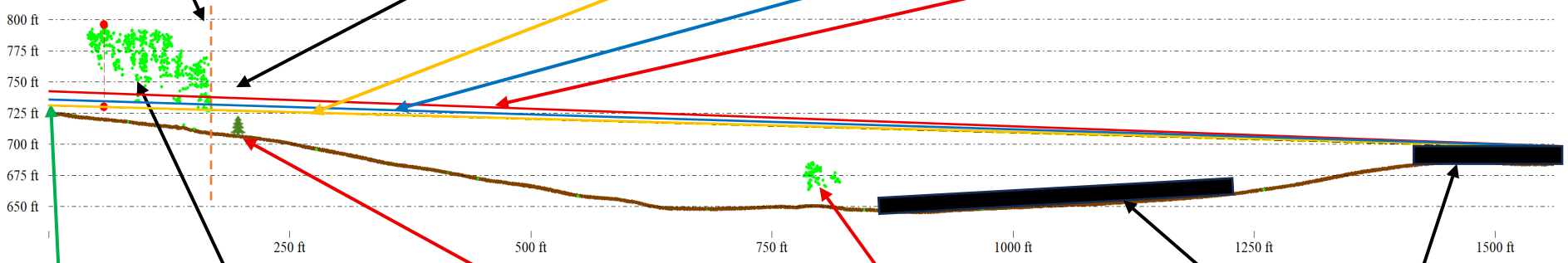
Approximate property line of RIC /Jim Miller land parcel and 450 Woods Ct

Proposed Screening

Sightline from Ground (5.5 feet)

Sightline from Deck (8 feet)

Sightline from Second Story (17 feet)



Viewer Location, 5.5 feet above ground.

Existing vegetation screening insufficient to block view – see Figure 2 and Figure 4.

Proposed screening at maximum 5-year height (17 feet), insufficient to block sightline.

Existing vegetation screening shown at actual LIDAR measured treeline heights (50 feet), insufficient to block sightline.

Panel locations at 12 ft proposed height.

Detail Profile 1 (Expanded View): Proposed Screening Detail

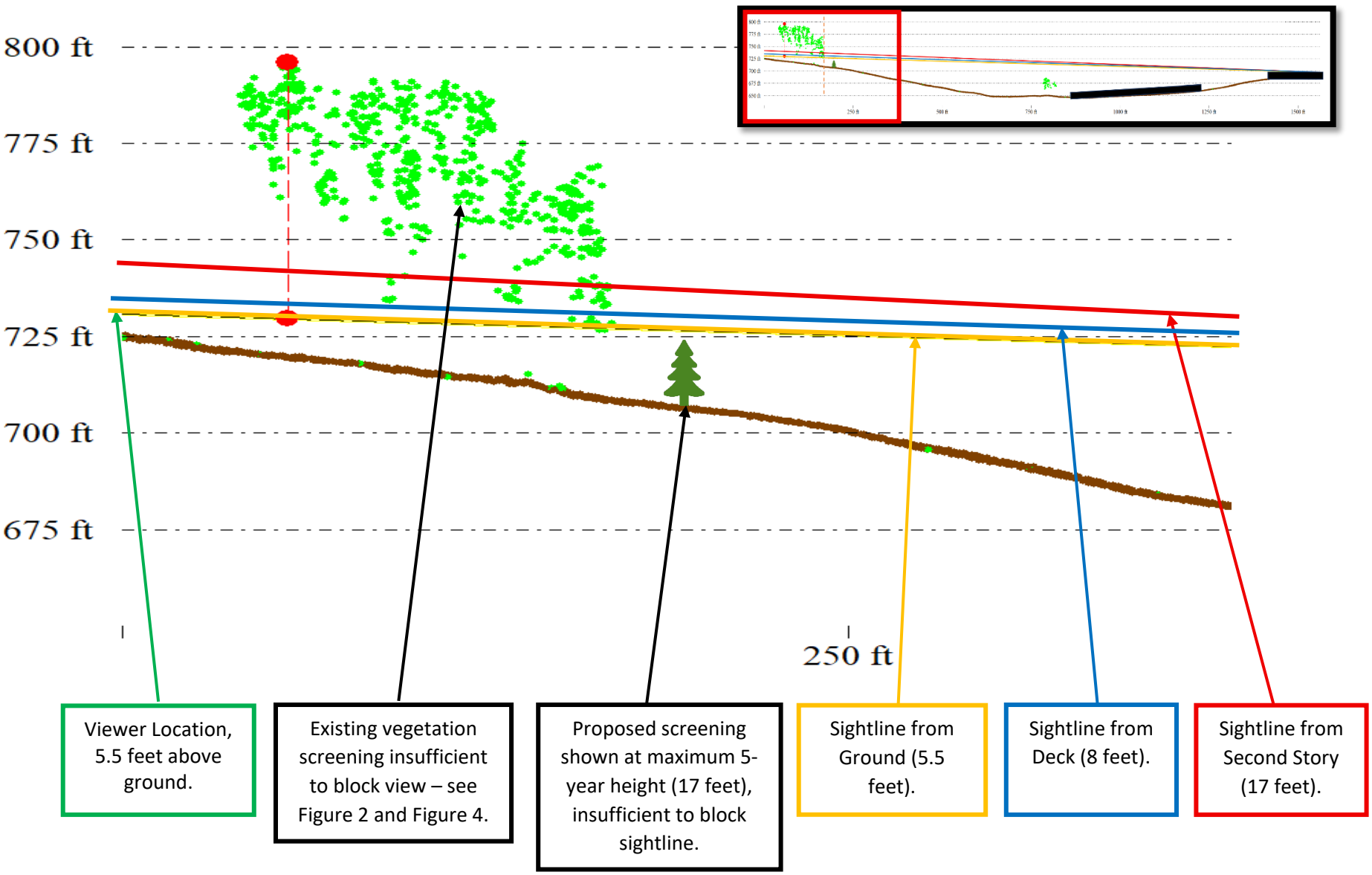


Figure 1: 450 Woods Simulated View With Proposed and Existing Screening

Viewer Height: 8 Feet (5.5 ft + 2.5 ft deck)

Viewer Location: 450 Woods Ct, Deck

Overview Map:

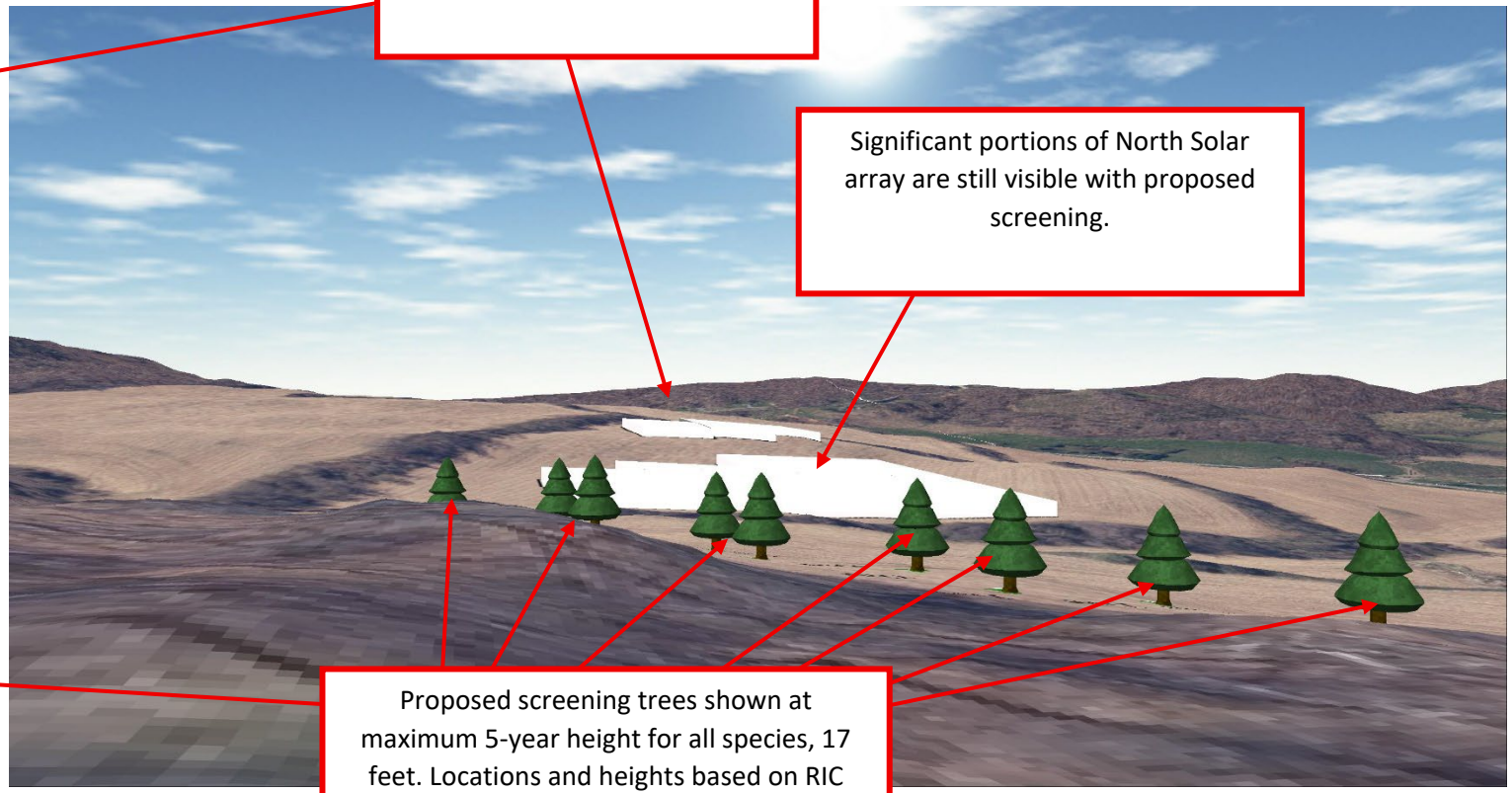


Figure 2: 450 Woods Property Owners' Photograph of Deck Sightline

Viewer Height: 8 Feet (5.5 ft + 2.5 ft deck)

Viewer Location: 450 Woods Ct, Deck

Figure 3: 450 Woods Simulated View With Proposed and Existing Screening

Viewer Height: 17 Feet (Second Story Window)

Viewer Location: 450 Woods Ct

Overview Map:

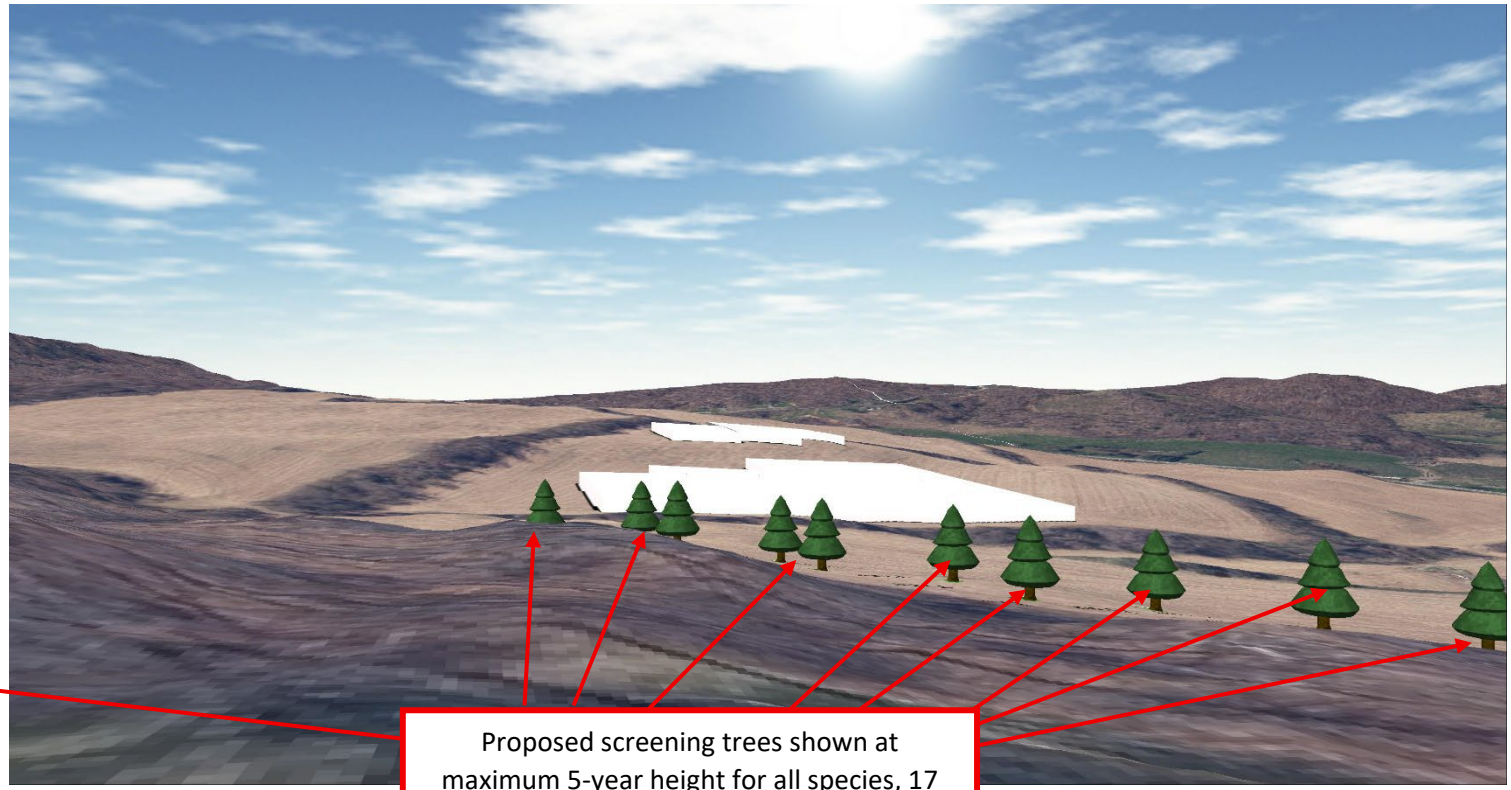
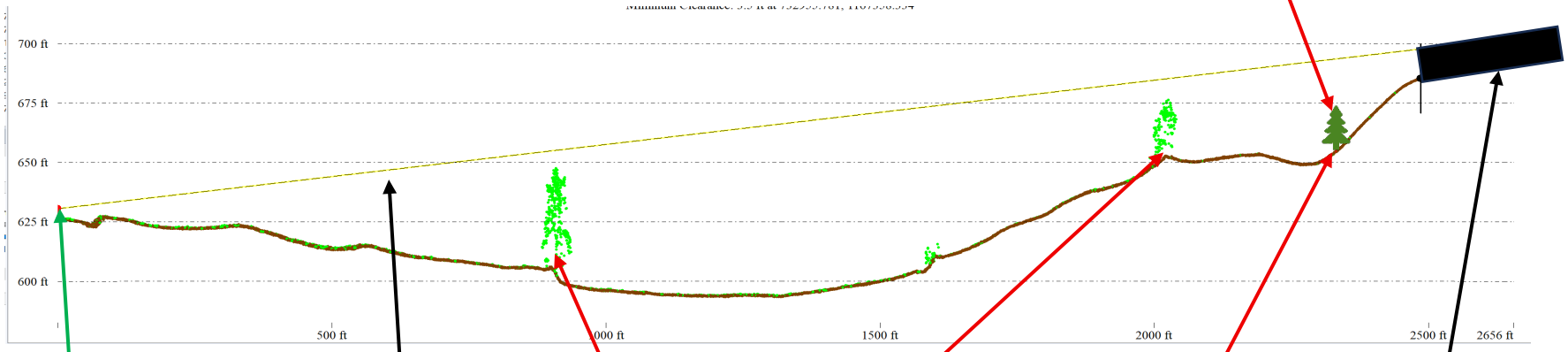


Figure 4: 450 Woods Property Owners' Photograph of Second Story Sightline

Viewer Height: 15 Feet (Second Story Window)

Viewer Location: 450 Woods Ct, 2nd Story Window

Detail Profile 2: Pats Road and Rte 82 Screening at 5-Year Height



Proposed Screening.

Driving viewer Location, 3.5 feet above ground.

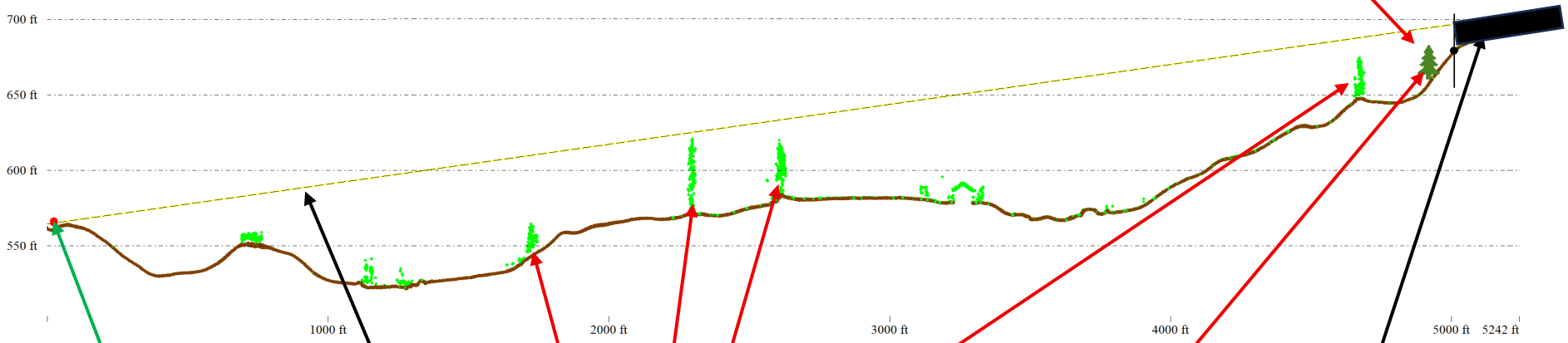
Sightline.

Existing vegetation screening shown at actual LIDAR measured tree line heights (30-40 feet), insufficient to block sightline.

Proposed screening at maximum 5-year height (17 feet), insufficient to block sightline.

Panel locations at 12 ft proposed height.

Detail Profile 3: Pats Road and Poole Hill Road Screening at 5-Year Height



Driving viewer Location, 3.5 feet above ground.

Sightline

Existing vegetation screening shown at actual LIDAR measured treeline heights (30-50 feet), insufficient to block sightline.

Proposed screening at maximum 5-year height (17 feet), insufficient to block sightline.

Panel locations at 12 ft proposed height.