

Prickleden Mills

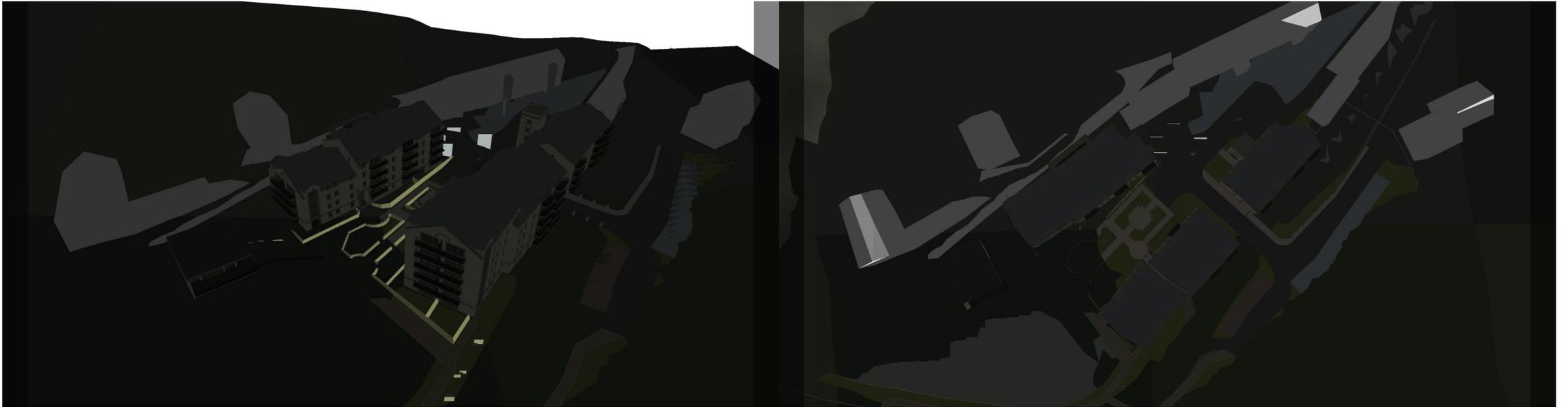
Shadow impact assessment

Author JF | Checked HG/JC

The following images have been produced using Trimble SketchUp Pro 2023, using referenced building model data. All heights shown are based on an OS datum level and are cross referenced for accuracy.

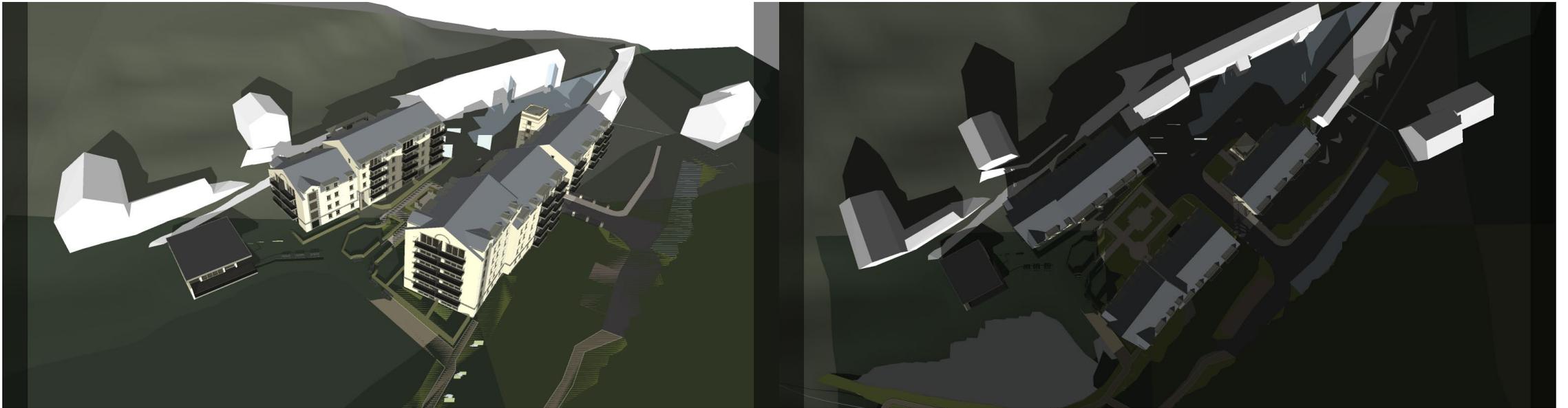
All images show a Google Earth satellite image for reference. The shadow location is based on GPS data provided by Google Geo location.

December 21st | 8am



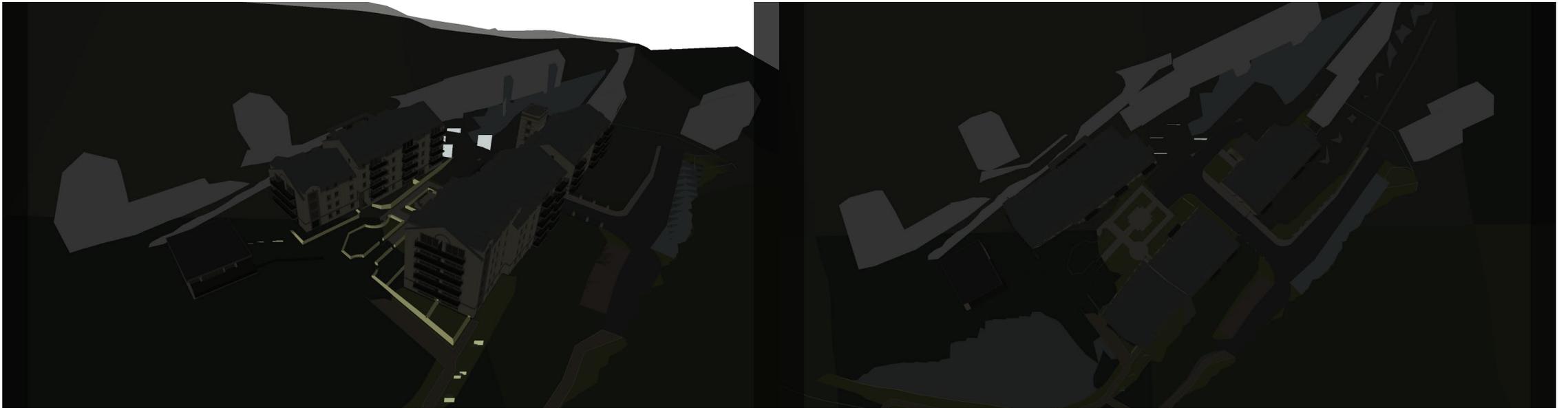
Due to the surrounding topographic features, the site and surroundings remains in shadow after sunrise.

December 21st | 12pm



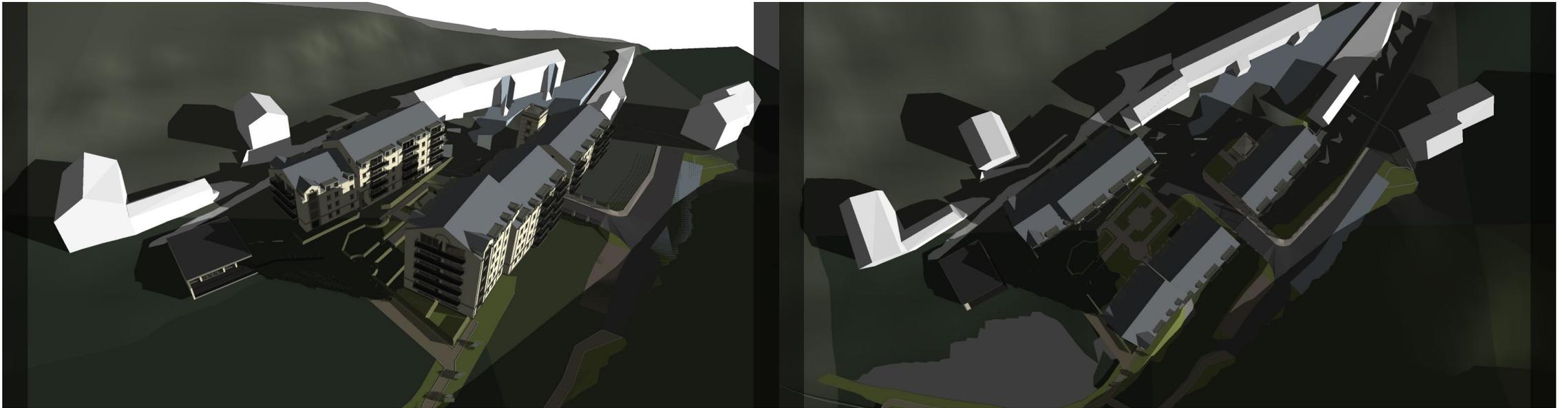
The proposal has a small impact on the terraced houses to the north. Most of the houses however remain with the majority of their elevations with sunlight.

December 21st | 4pm



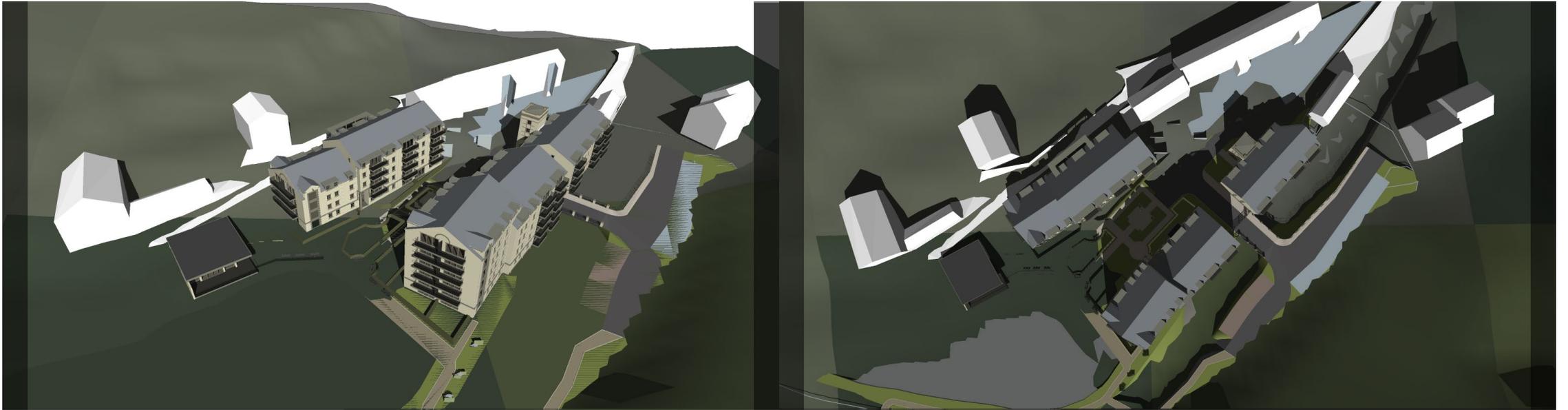
Due to the surrounding topographic features, the site and surroundings are in shadow before sunset.

March 21st | 8am



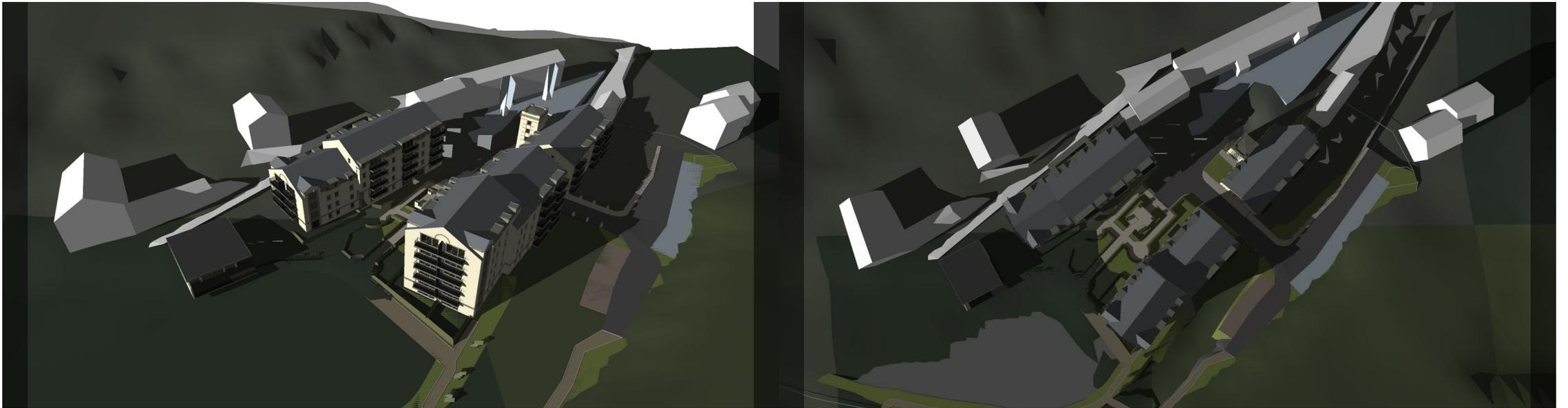
There is some shading to the northwestern properties. The shadows on the elevations are minimal due to the houses being sat up on retaining walls.

March 21st | 12pm



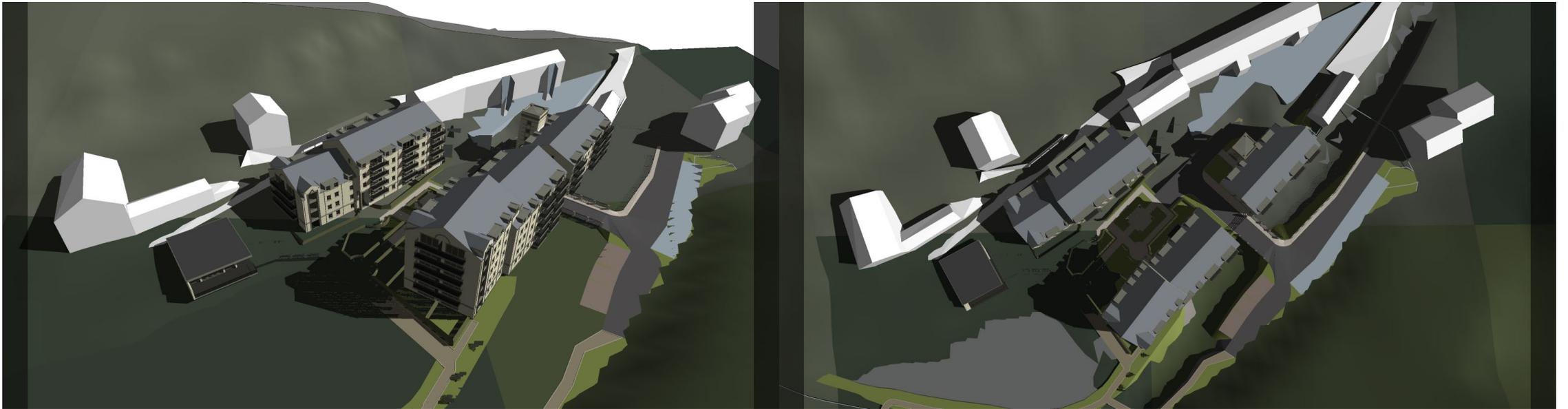
There is little to no impact on the surrounding properties.

March 21st | 4pm



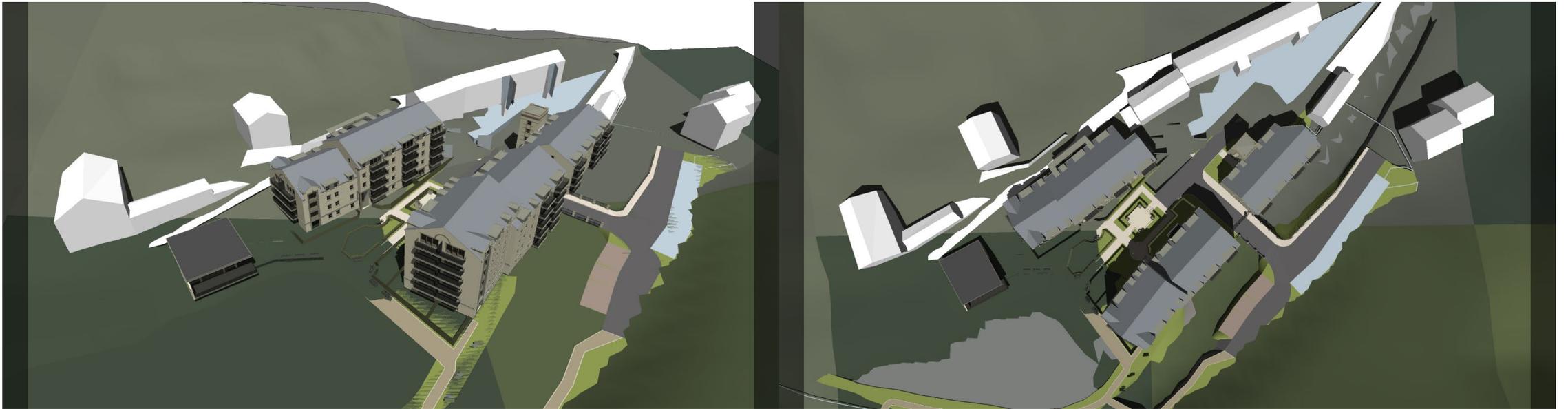
There is little to no impact on the surrounding properties. The houses to the north are in shadow due to them self shading.

June 21st | 8am



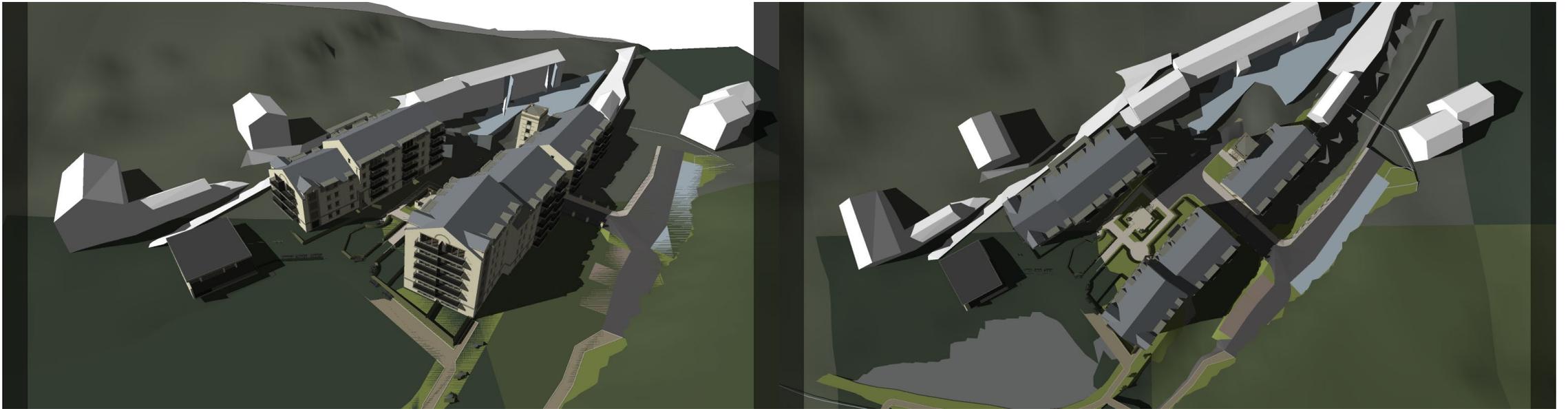
There is no impact on the surrounding properties.

June 21st | 12pm



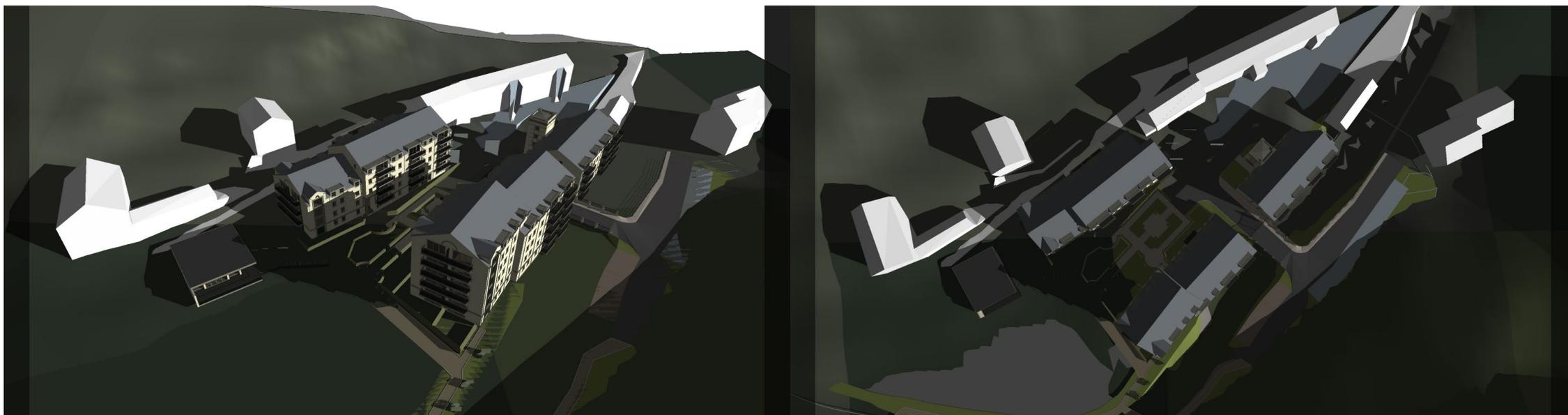
There is no impact on the surrounding properties.

June 21st | 4pm



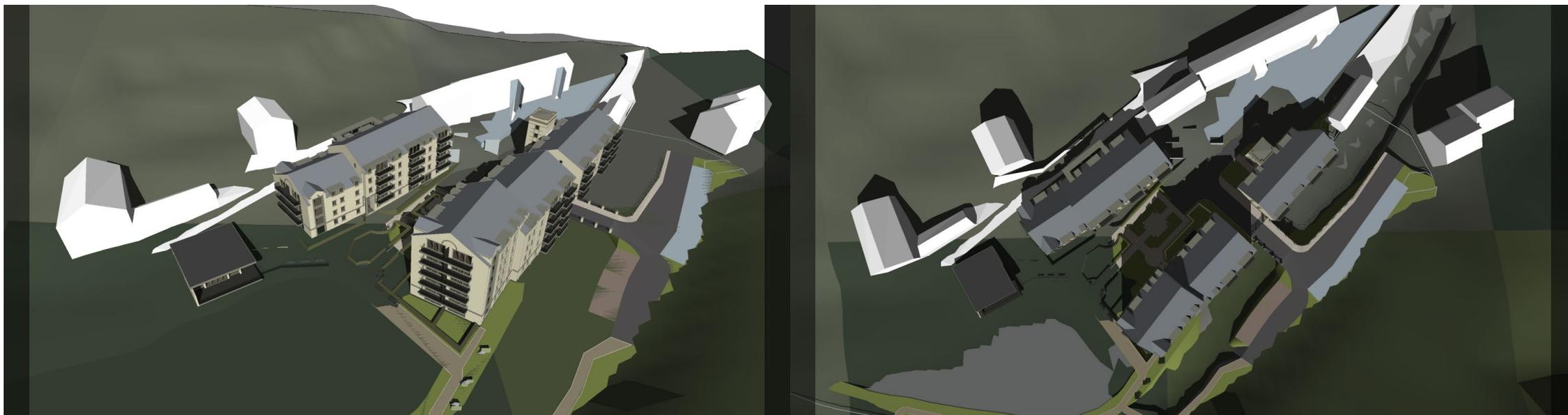
There is a slight shadow to the garden of number 27 Woodhead Road.

September 21st 8am



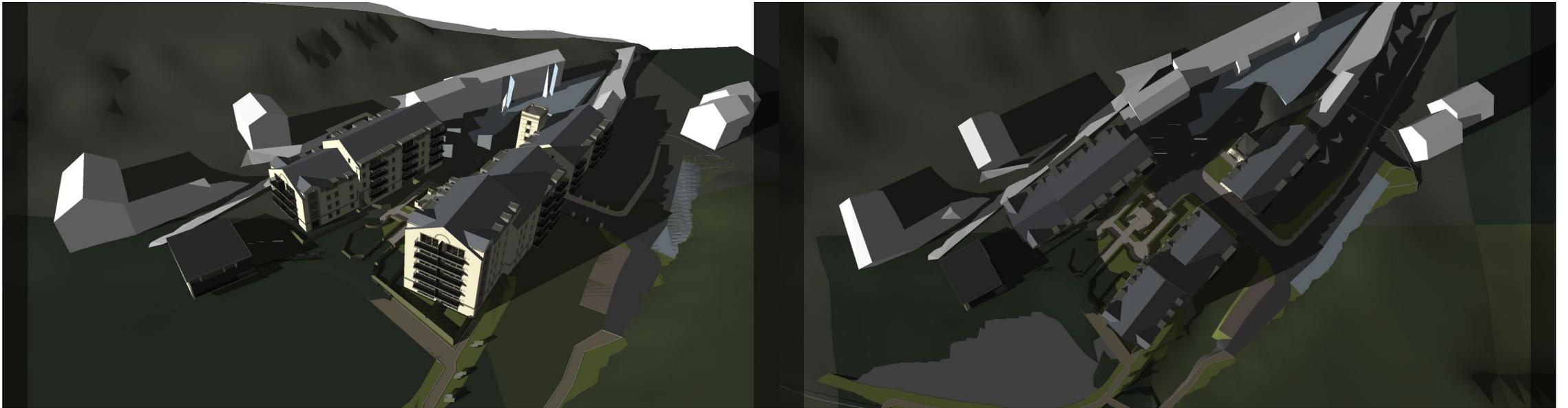
There is some shadow casting to the north, however most of the elevations remain unshaded.

September 21st | 12pm



There is little to no impact on the surrounding properties.

September 21st | 4pm



There is little impact on the surrounding properties. The houses to the north are self shaded due to their orientation.

Summary

- The proposed development matches the scale of that previously approved, as such any impacts shown within this report already benefit from the previously implemented planning consents.
- The impact of the development will be minor based on its location within a valley bottom. It should be noted the impact of the existing tree canopies and wider valley context cannot be assessed within this model.
- The existing surrounding physical features such as topography and trees creates additional shading on the existing properties.
- Most of the shading to the northern properties is due to their own orientation. This creates self-shading in the late afternoon.
- The proposed development, due to its scale within the valley bottom has limited impact on the surrounding properties.