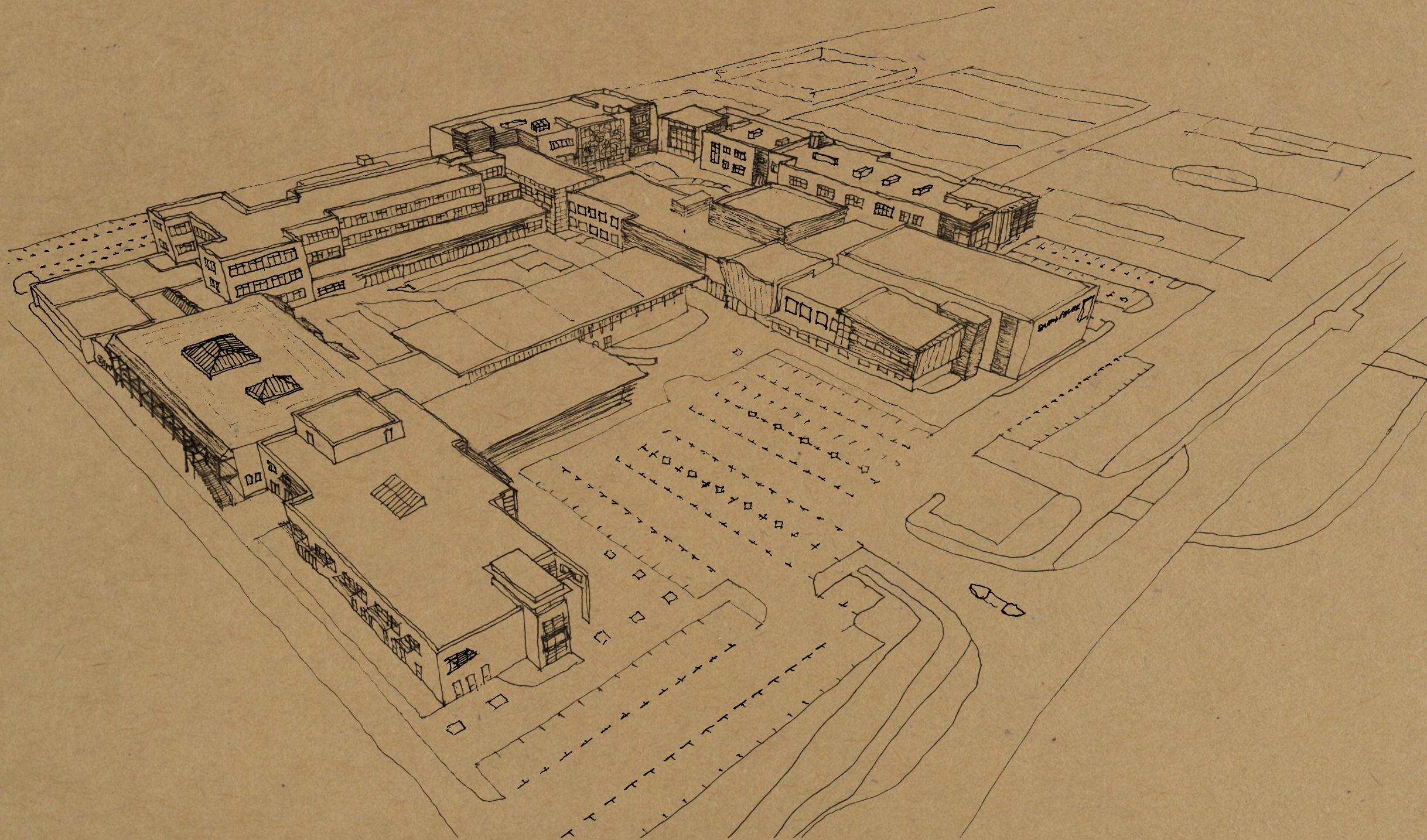


STRIDE TREGLOWN

**BARTON PEVERIL COLLEGE
MAJOR BUILD SCOPING STUDY
PLANNING - PROPOSED & EXISTING
SHADOW ANALYSIS
FEBRUARY 2023**

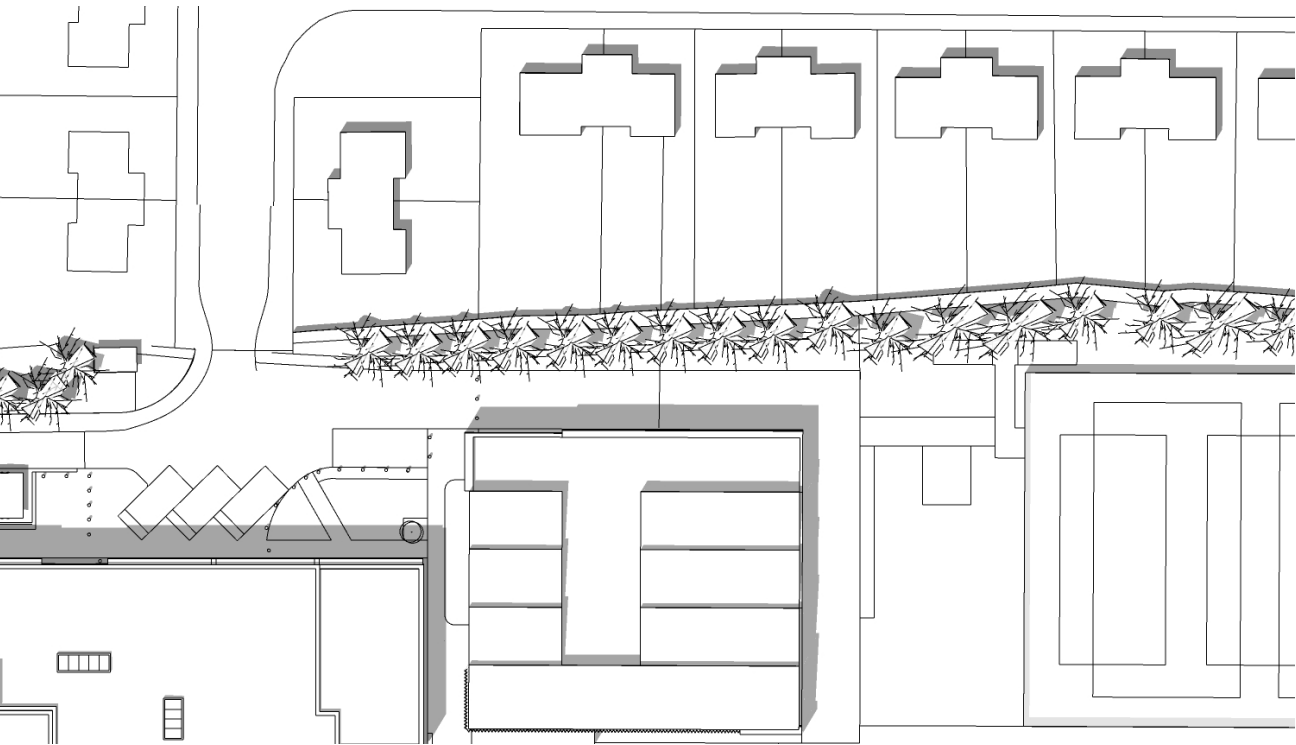




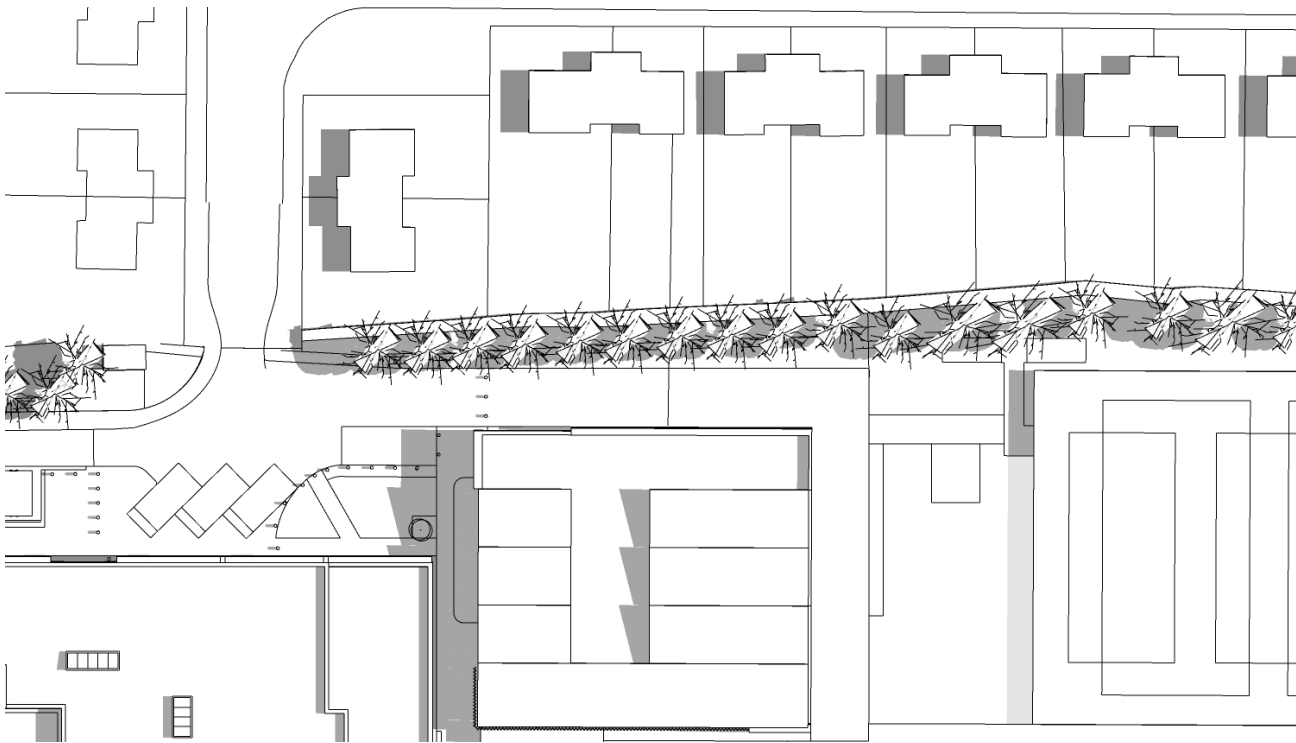
1.0

Proposed Site Shadow Analysis

Summer Solstice
Analysis at 9am, 1pm and 5pm



SUMMER 9AM



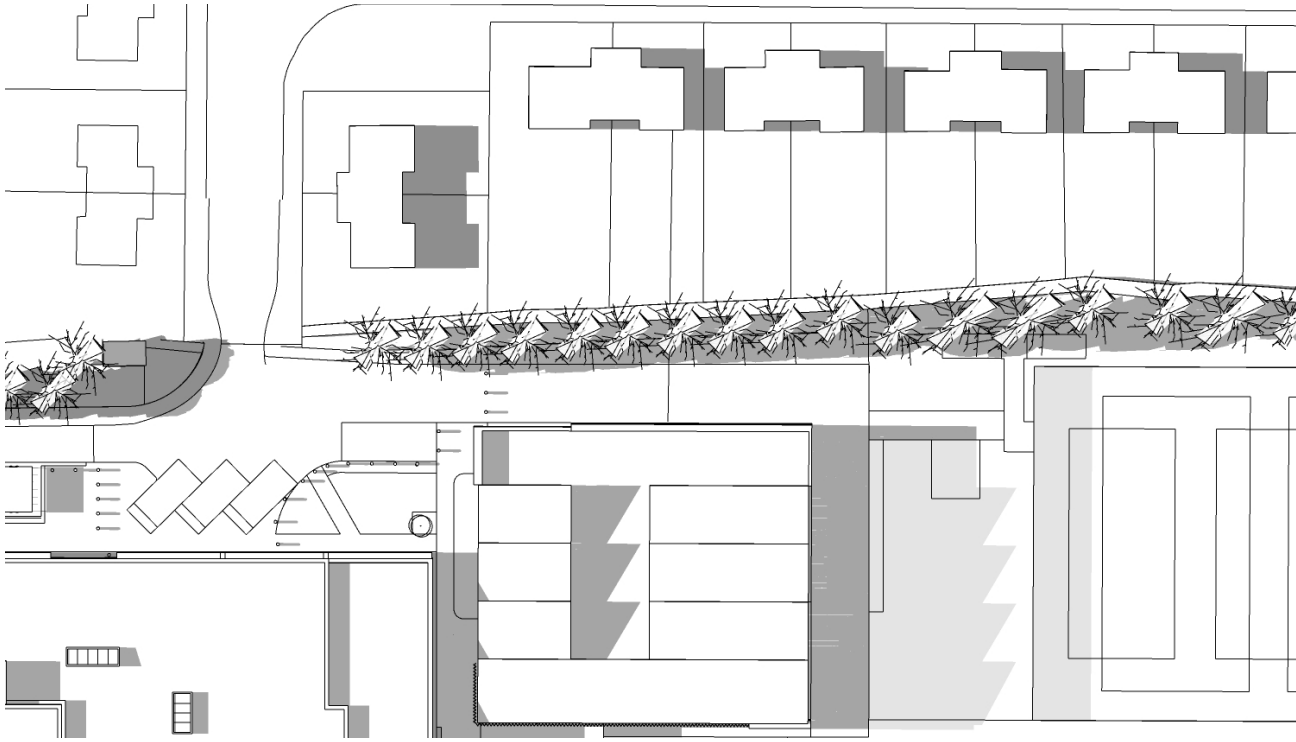
SUMMER 1PM

During the pre-application meeting on site, a shadow analysis of the proposed massing was requested to analyse the potential impact on the bungalows to the north of the site.

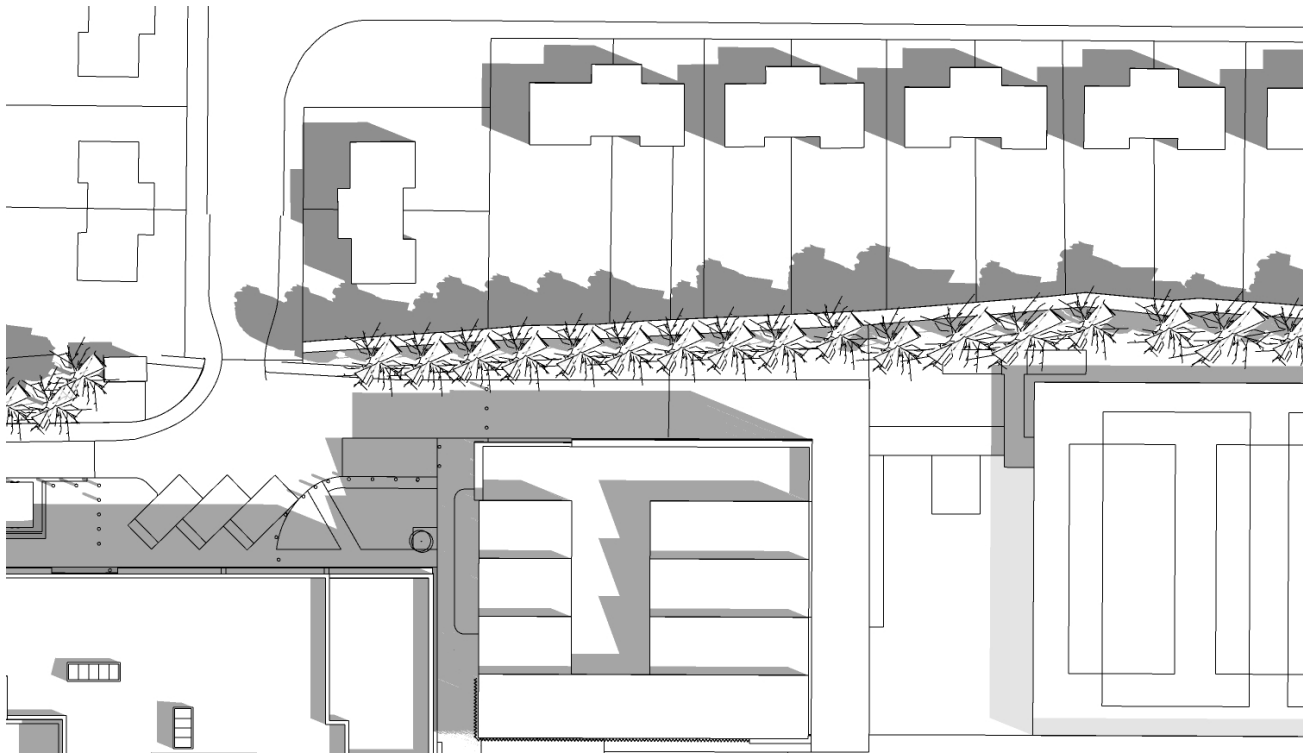
This section analyses the shadows cast over the neighbouring bungalows and their gardens as a result of the proposed building's massing.

The analysis is carried out at three times of day (morning, afternoon and evening) during the different seasons. The shadows for the three times of day have been overlaid on each of the images. This is repeated for Summer, Spring/Autumn Equinox and Winter.

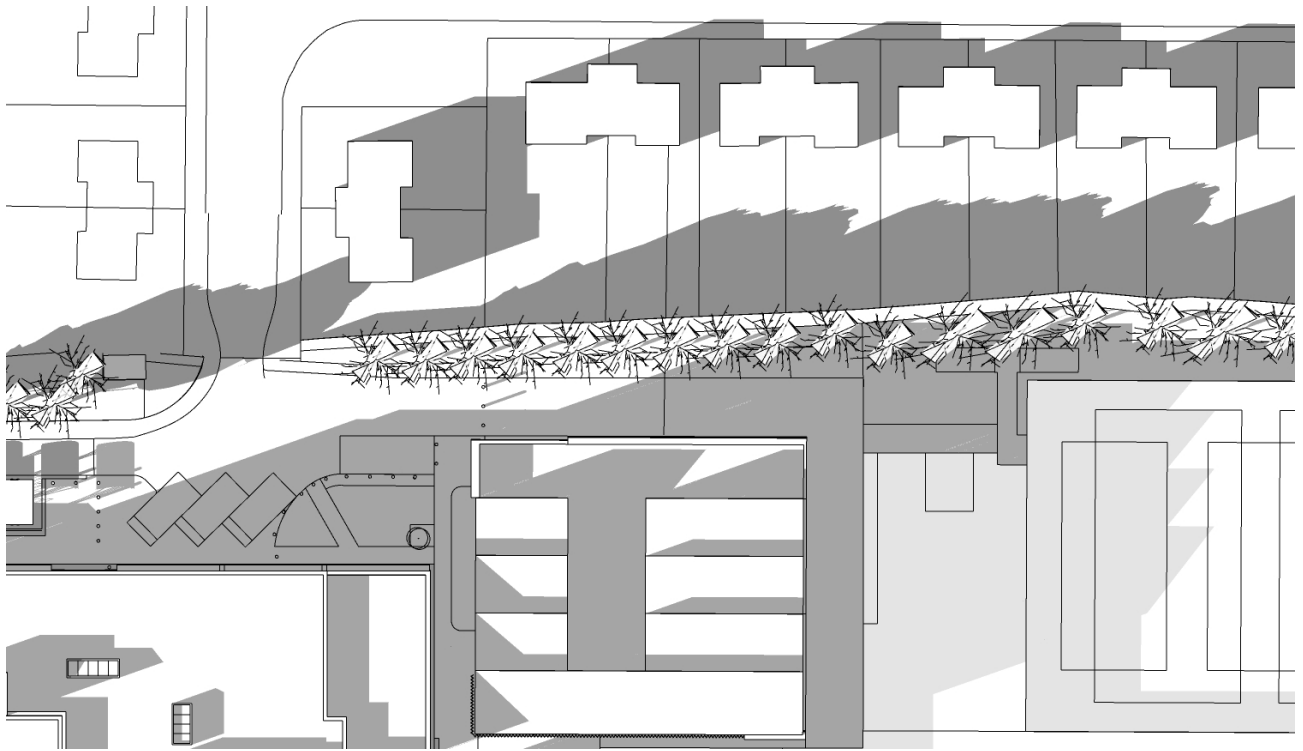
SUMMER 5PM



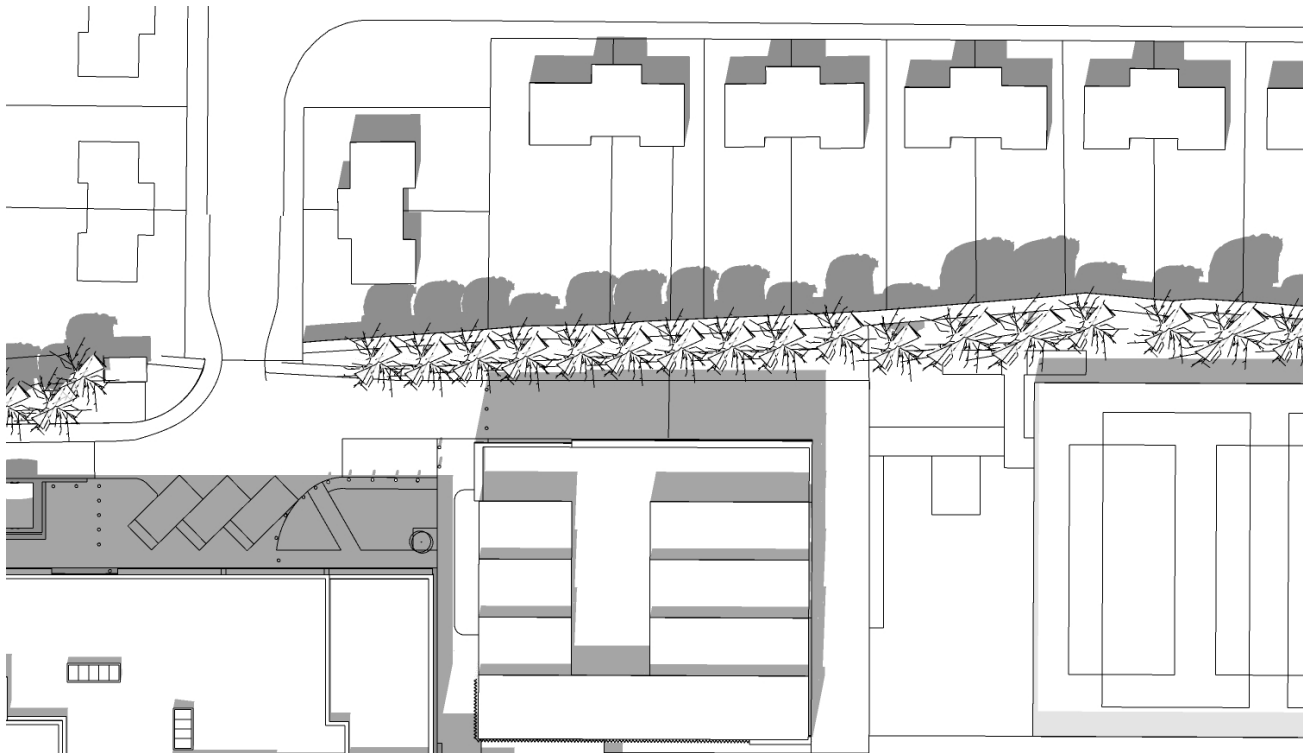
SUMMER
During the summer, the proposed building does not shade the neighbouring bungalows or their gardens.



EQUINOX 1PM



EQUINOX 9AM



EQUINOX 5PM

Equinox (Spring/Autumn)
Analysis at 9am, 1pm and 5pm

SPRING/AUTUMN EQUINOX
During the Spring/Autumnal equinoxes, the building does not shade the neighbouring bungalows or their gardens throughout the day, whilst the tall trees screening the site cast shadows onto the gardens.

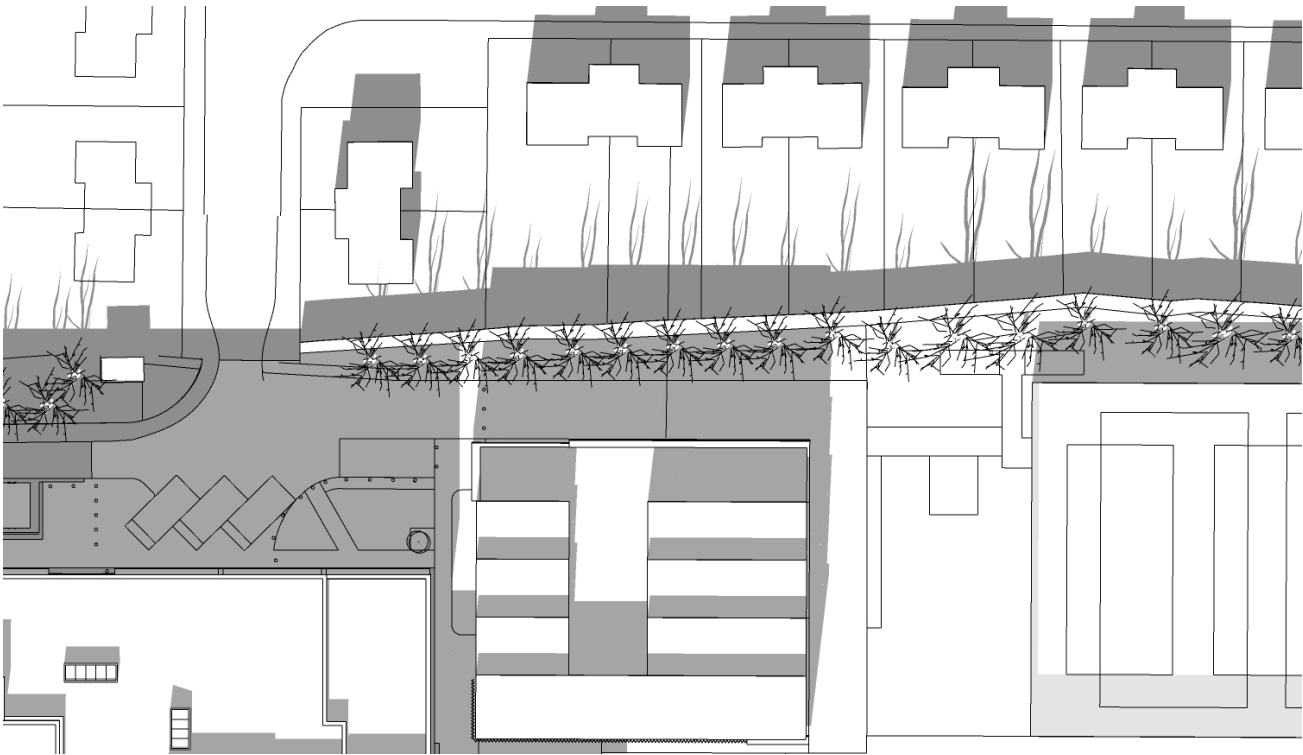
Winter Solstice

Analysis at 9am, 1pm and 3pm

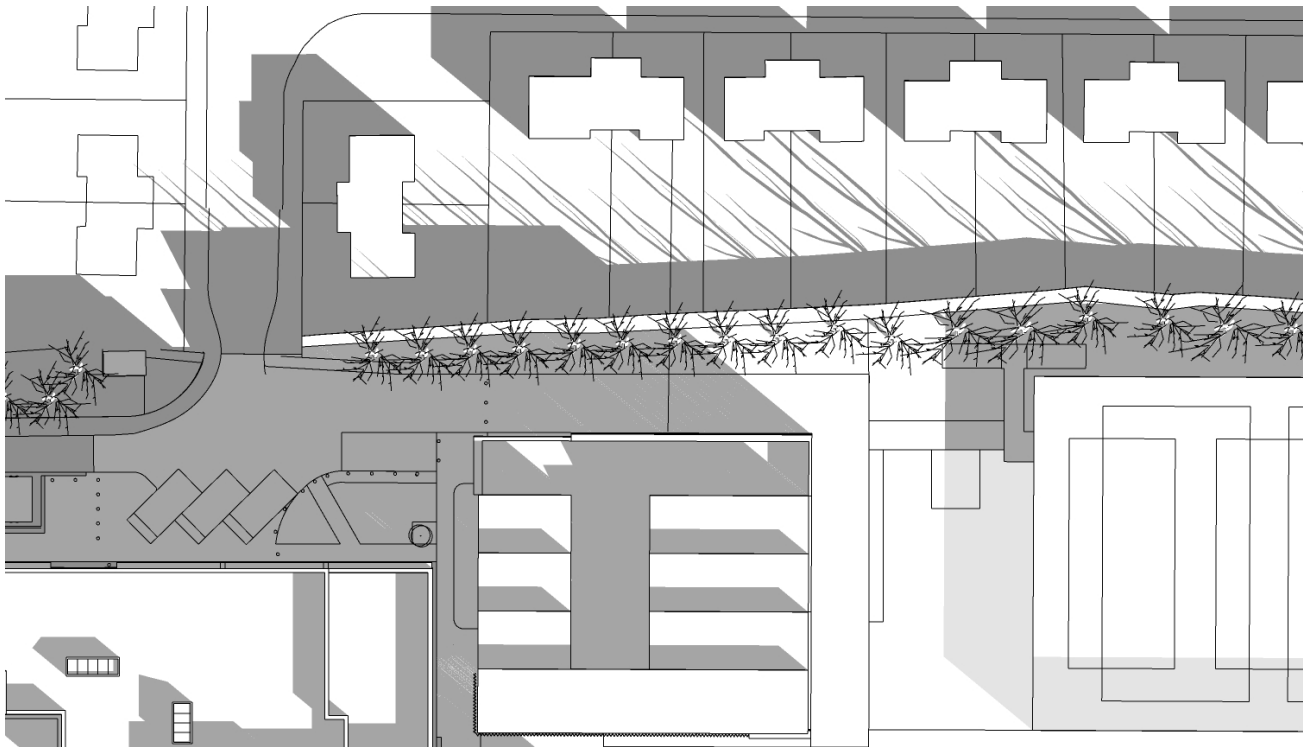
WINTER

In the winter, the proposed building casts shadows on the gardens for a limited time in the morning and evening, around 9am and 3pm. In the afternoon, the effect on the gardens is limited, with the most significant shadows being cast by fence and trees on the boundary.

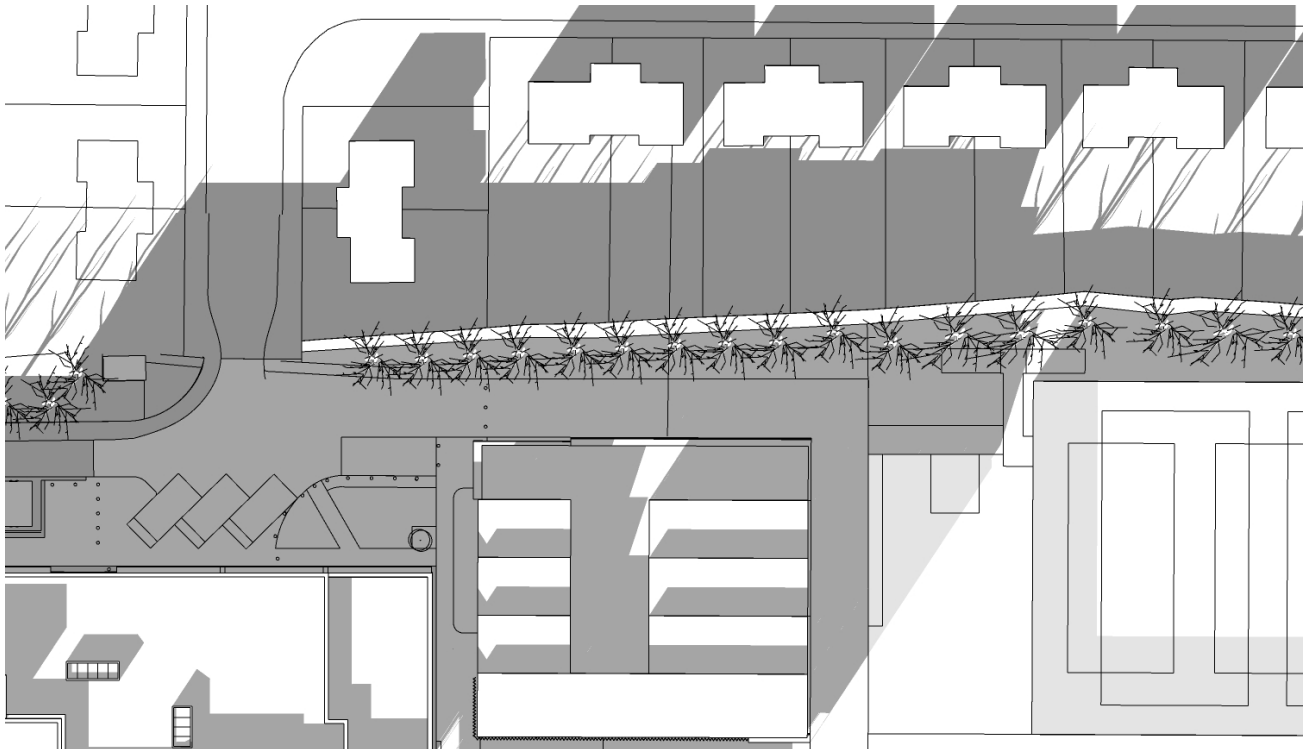
The bungalows on Cherbourg Road will not experience any reduction in daylight to their windows, and there will only be a minor impact on the bungalows on Tennyson Road given their East-West



WINTER 9AM



WINTER 1PM



WINTER 3PM

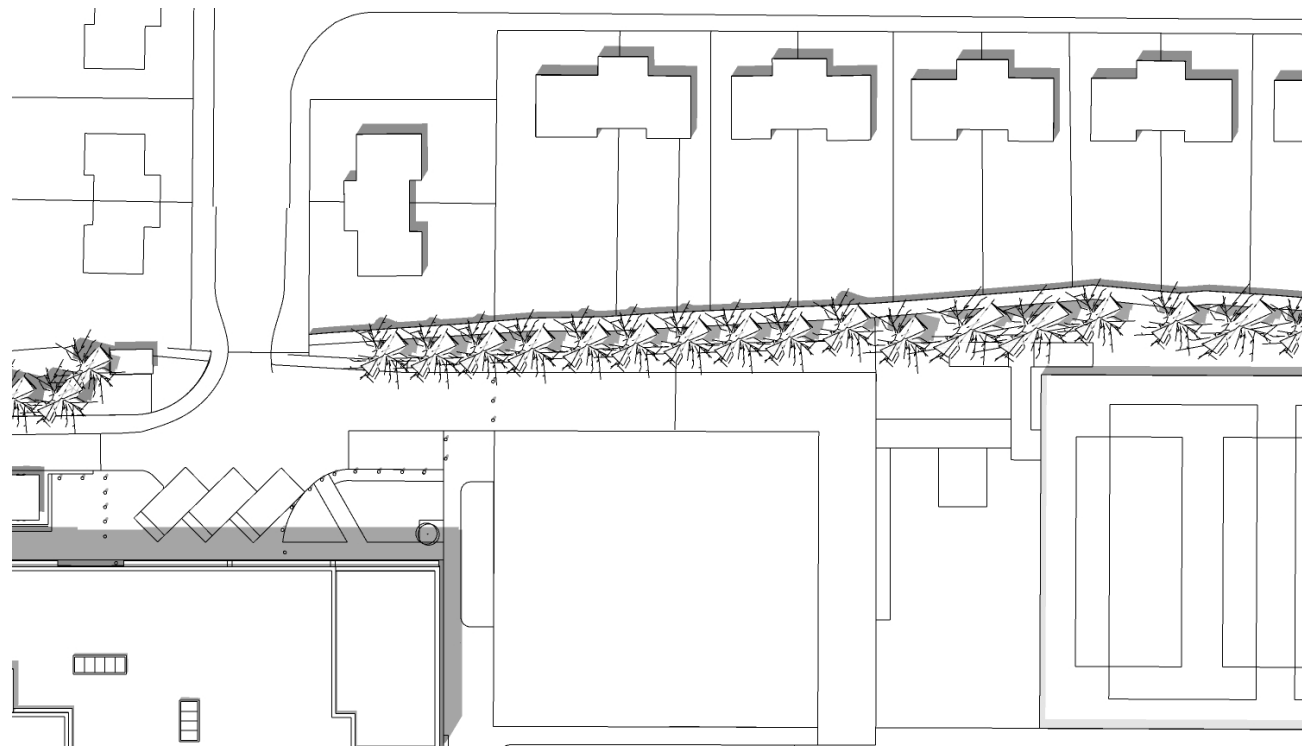
2.0

Existing Site Shadow Analysis

Summer Solstice

Analysis at 9am, 1pm and 5pm

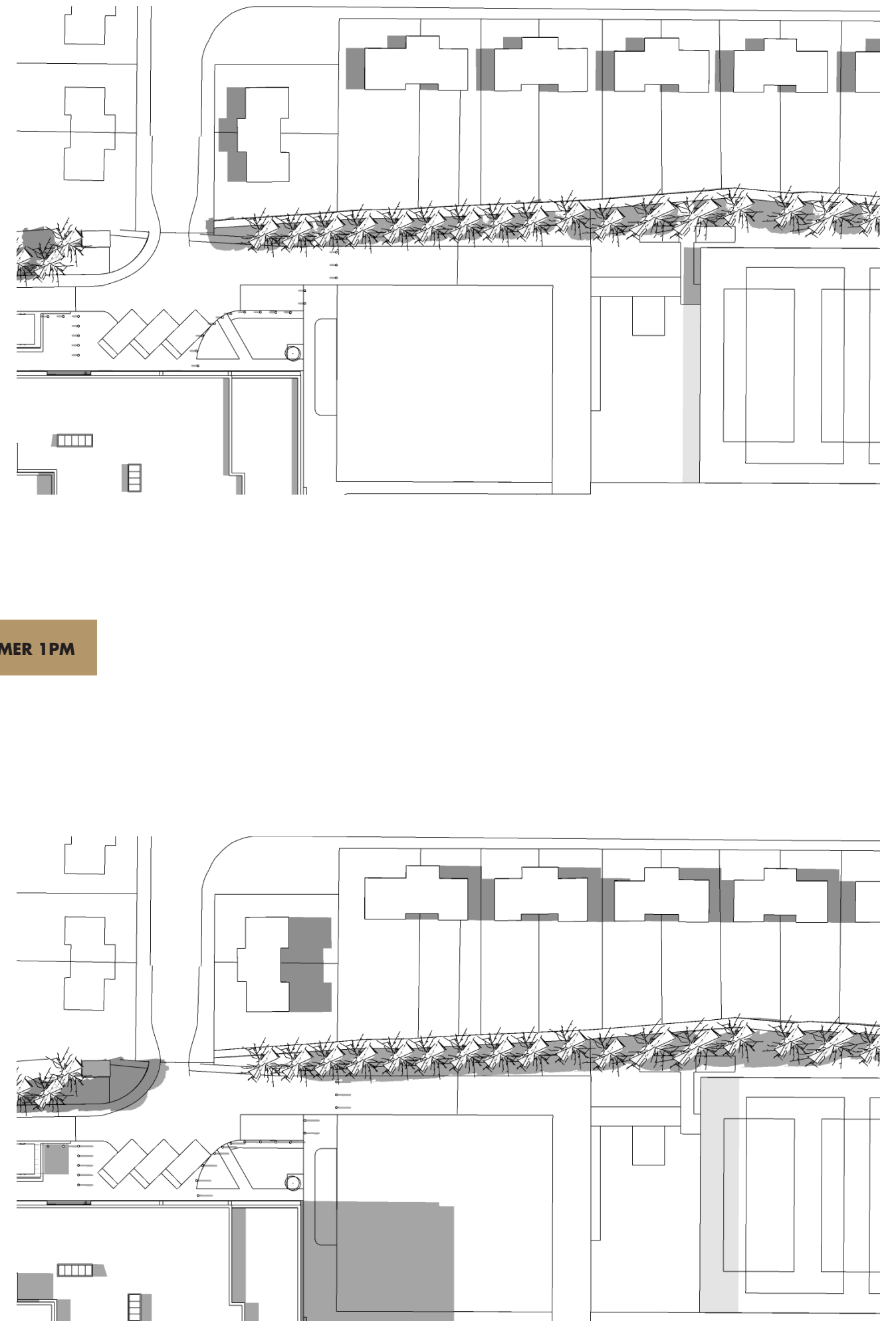
SUMMER 9AM

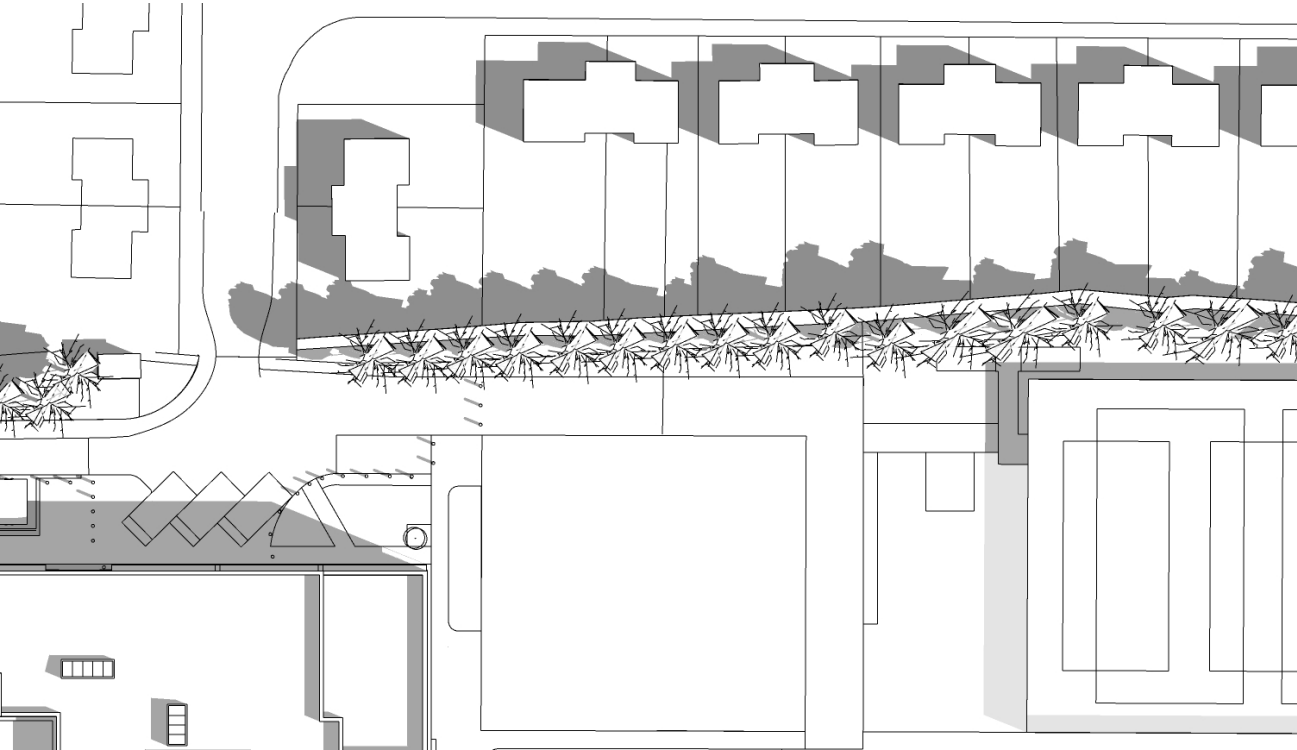


During the planning determination period, the shadow analysis was requested with the new building removed to show any resultant shadowing.

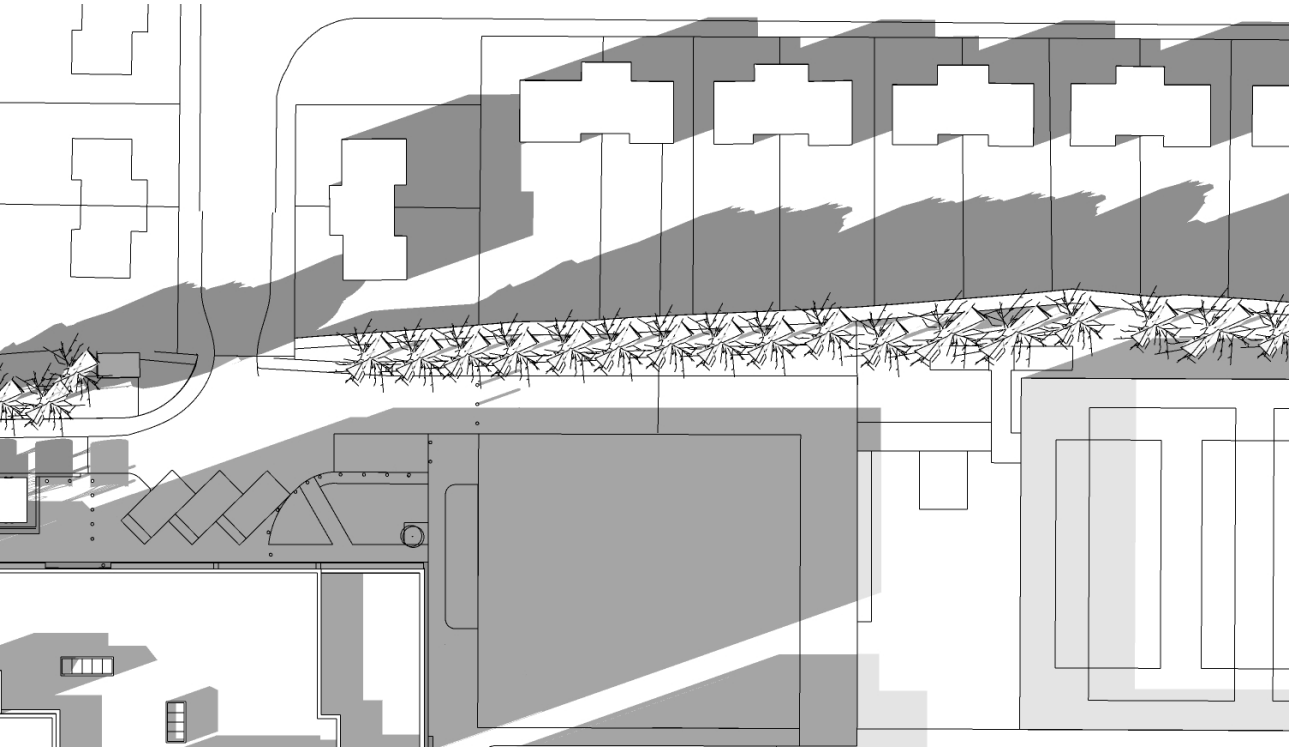
When comparing the existing and proposed shadow analysis, the most significant shadows are cast by the fence and trees on the boundary, and the proposed building casts shadows for a limited time in the morning and evening.

SUMMER 5PM

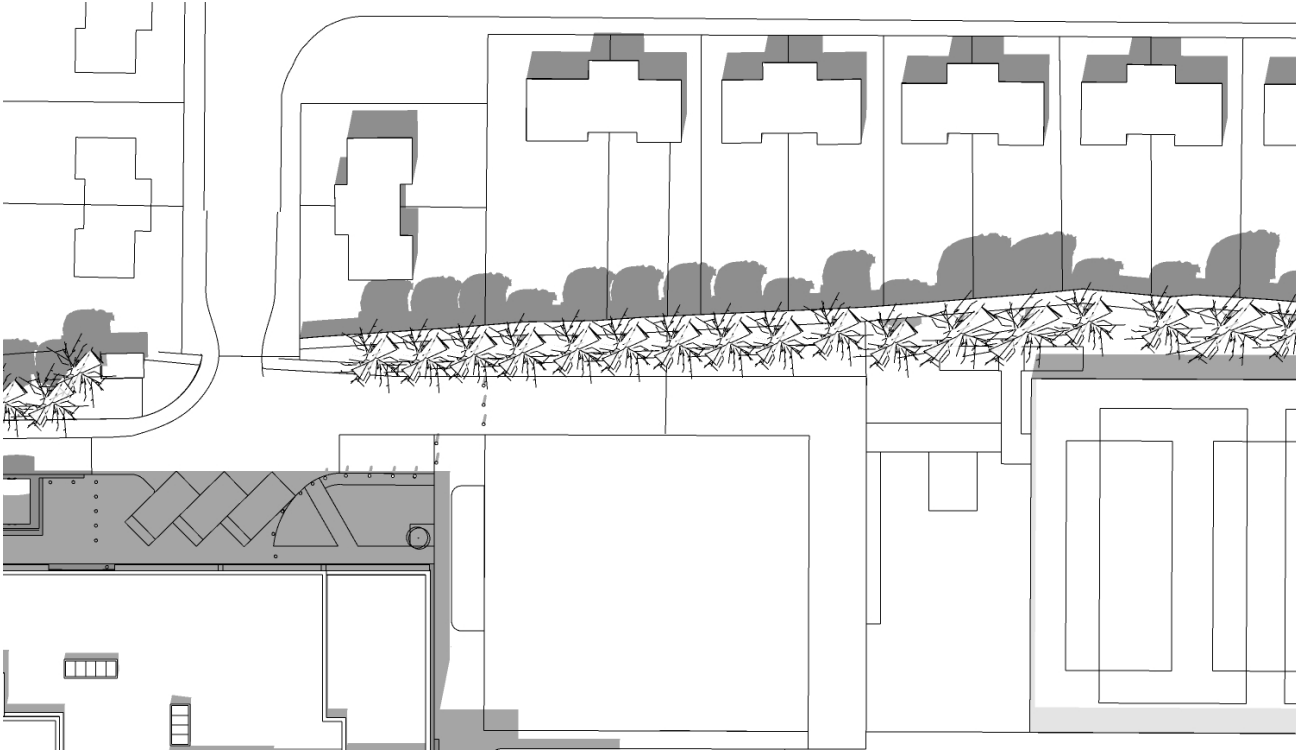




EQUINOX 1PM



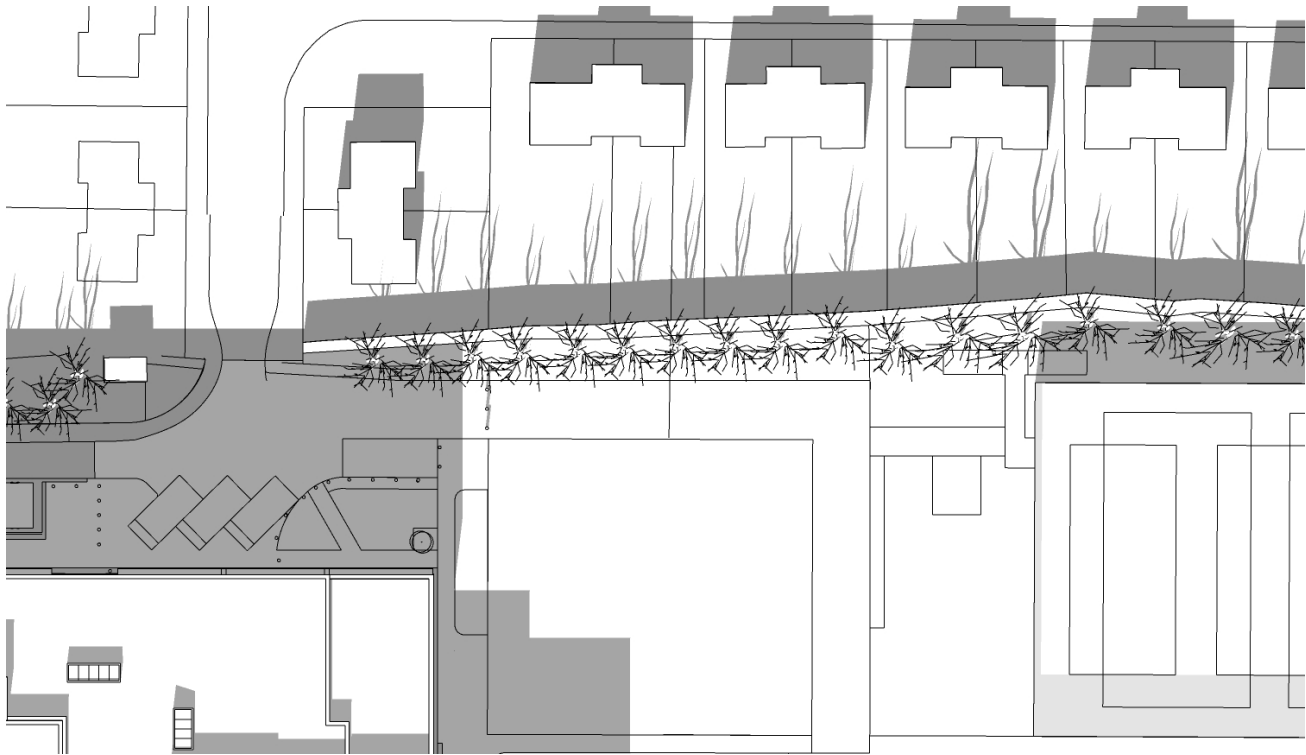
EQUINOX 9AM



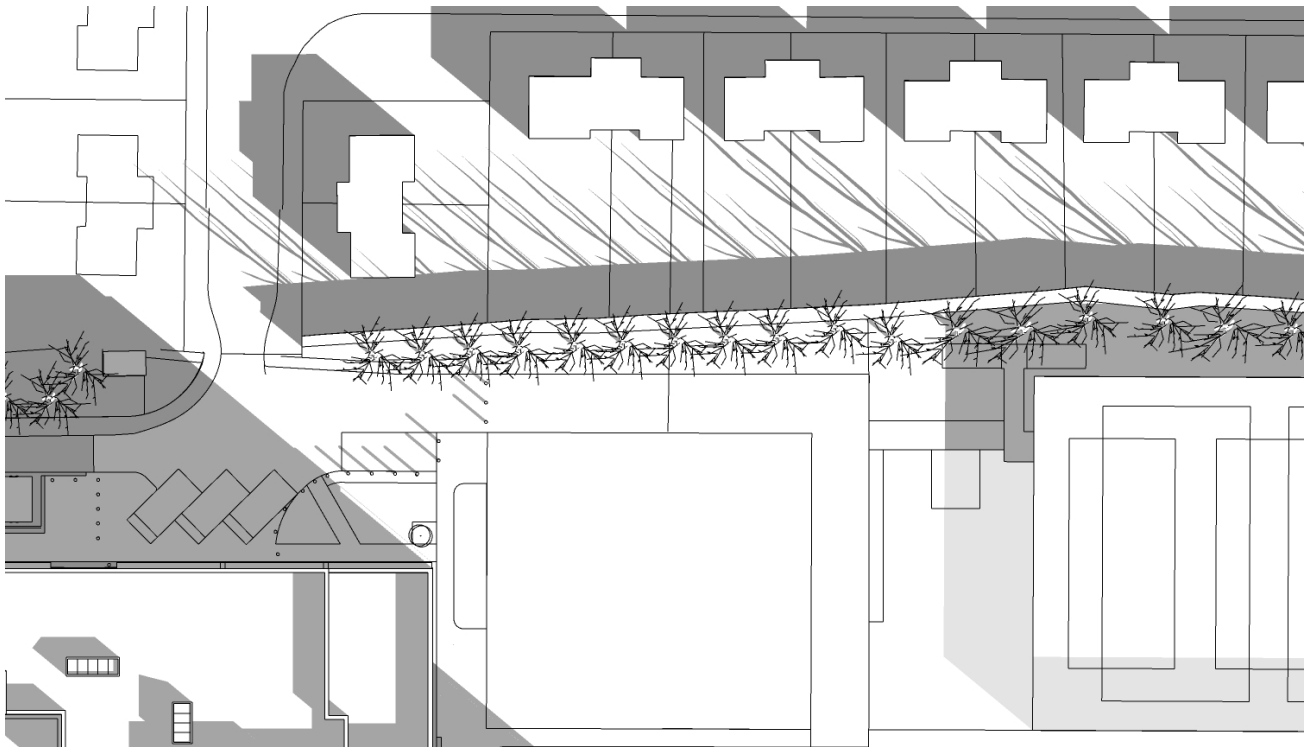
EQUINOX 5PM

Equinox (Spring/Autumn)
Analysis at 9am, 1pm and 5pm

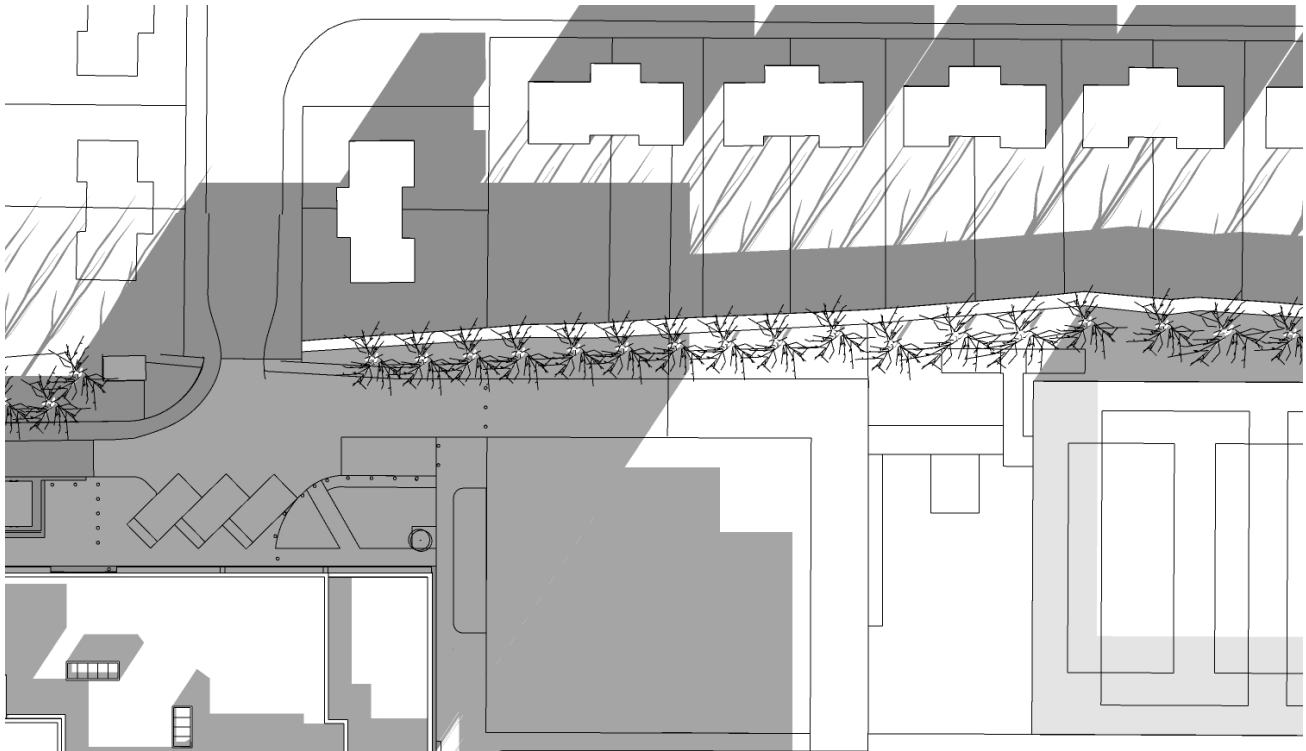
Winter Solstice
Analysis at 9am, 1pm and 3pm



WINTER 9AM



WINTER 1PM



WINTER 3PM

thank you

STRIDE TREGLOWN