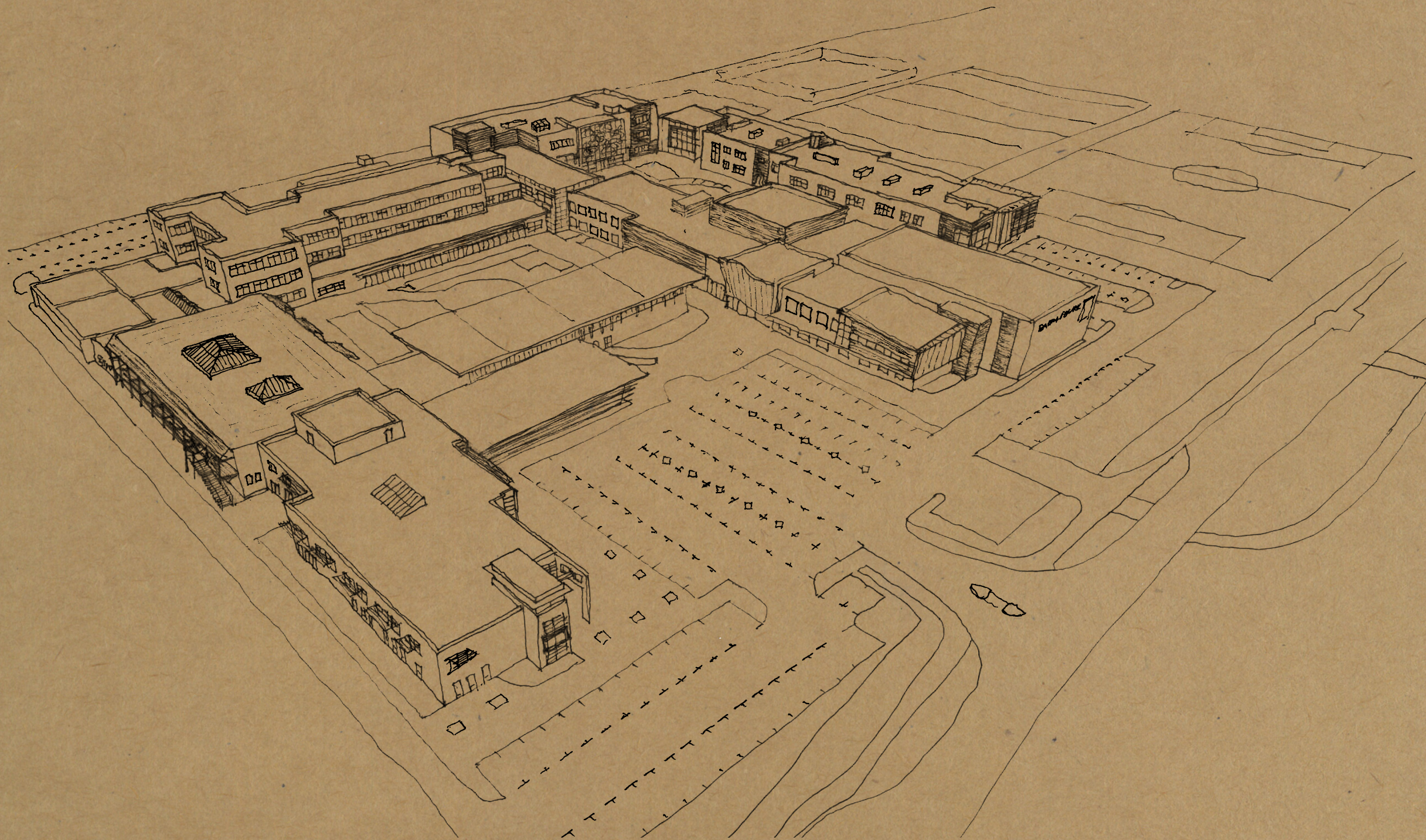


**STRIDE TREGLOWN**

**BARTON PEVERIL COLLEGE  
MAJOR BUILD SCOPING STUDY  
PLANNING ISSUE - SHADOW ANALYSIS  
DECEMBER 2022**

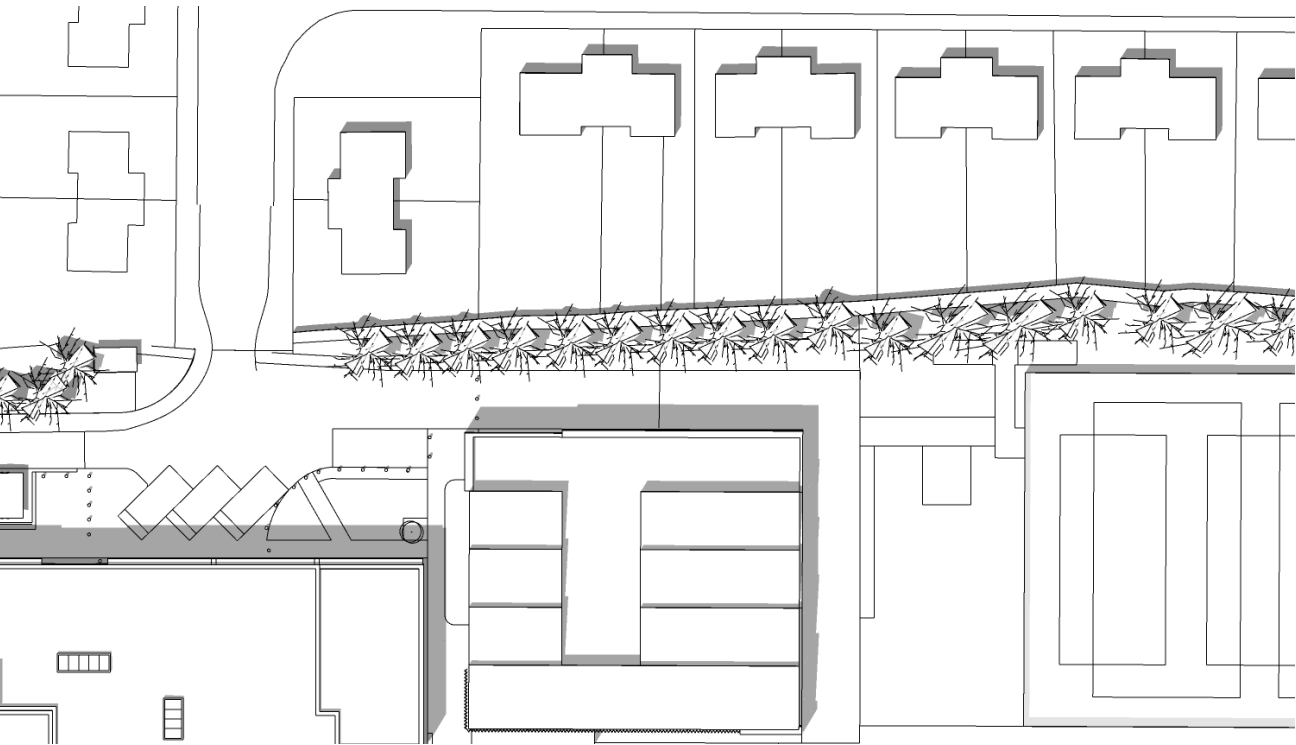




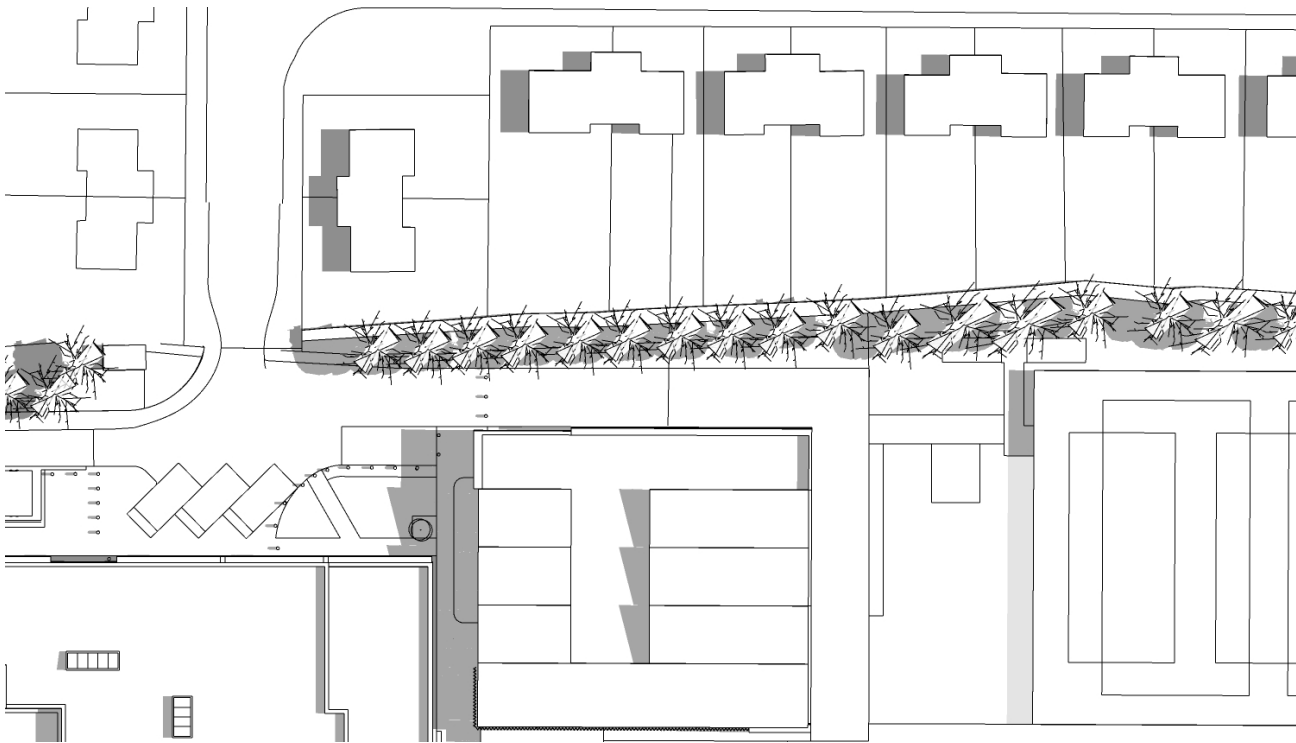
# 1.0

## Proposed Site Shadow Analysis

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



SUMMER 9AM



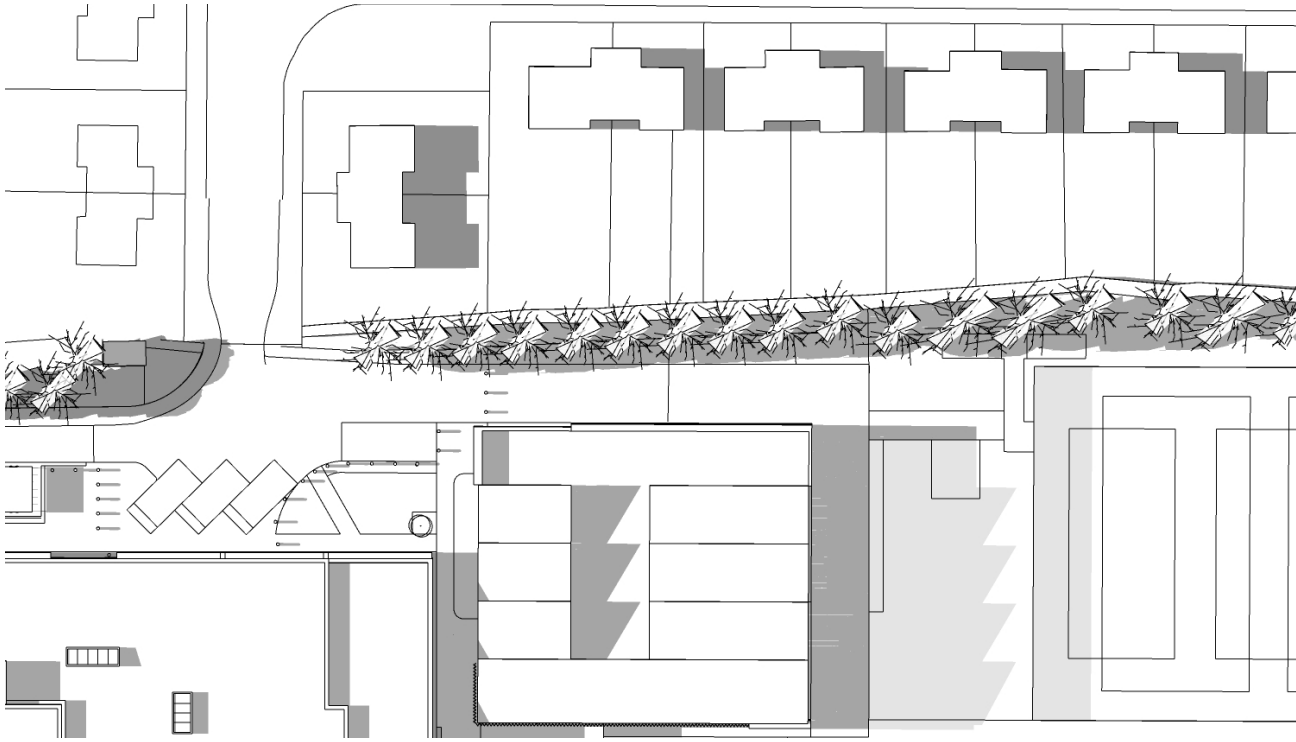
SUMMER 1PM

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.

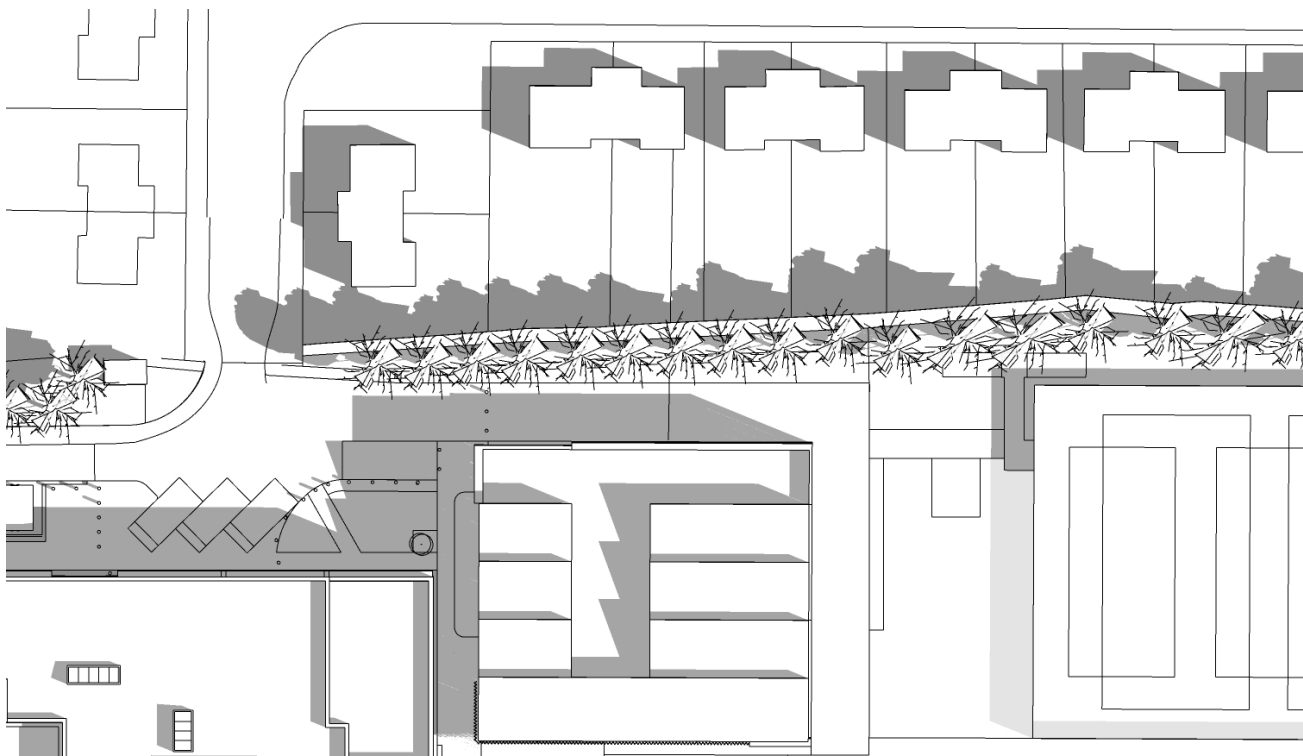
This section analyses the shadows cast over the neighbouring bungalows and their gardens as a result of the proposed building's massing.

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.

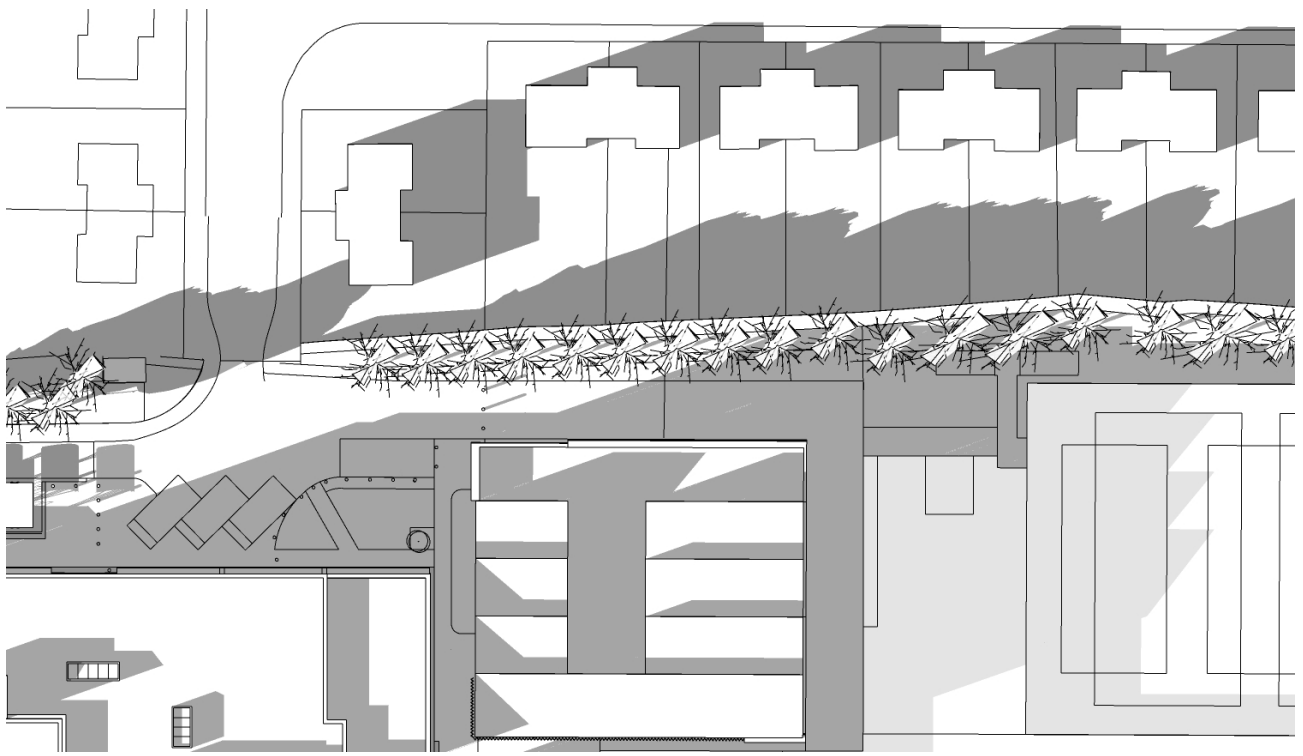
SUMMER 5PM



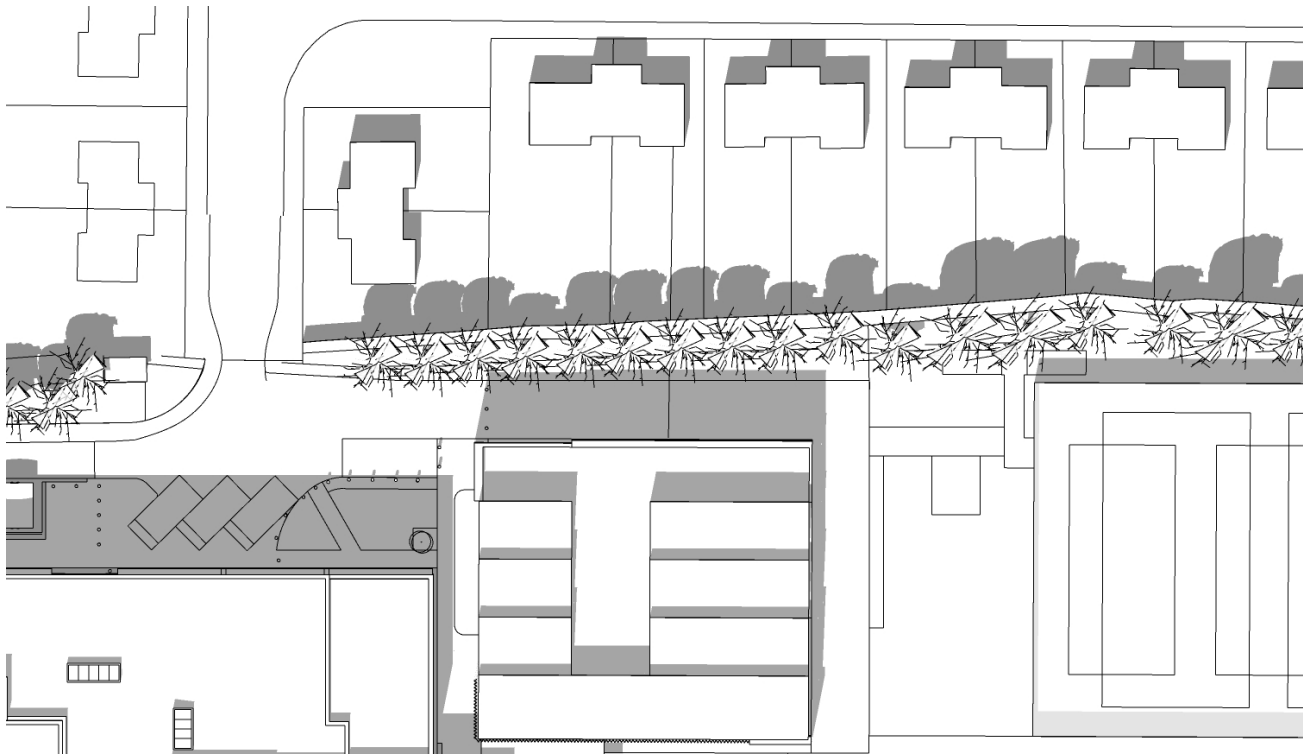
**SUMMER**  
During the summer, the proposed building does not shade the neighbouring bungalows or their gardens.



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.

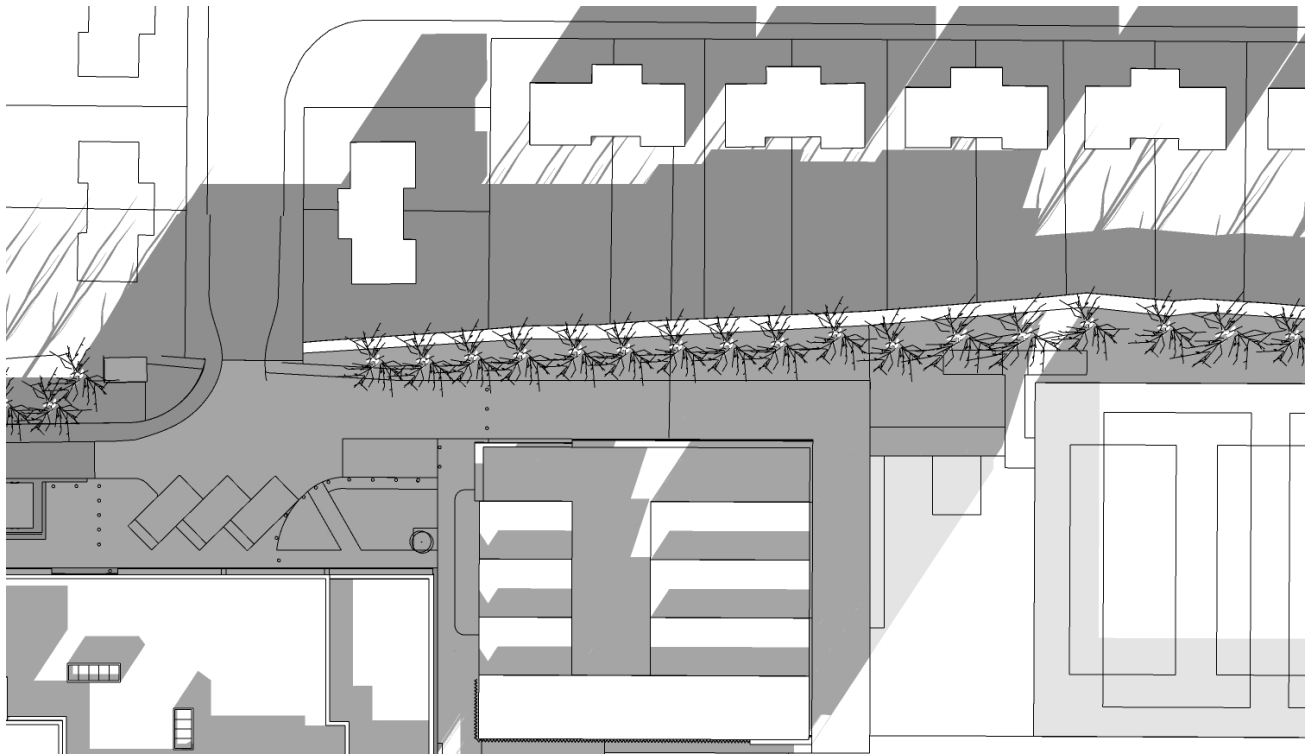
**Winter Solstice**

Analysis at 9am, 1pm and 3pm

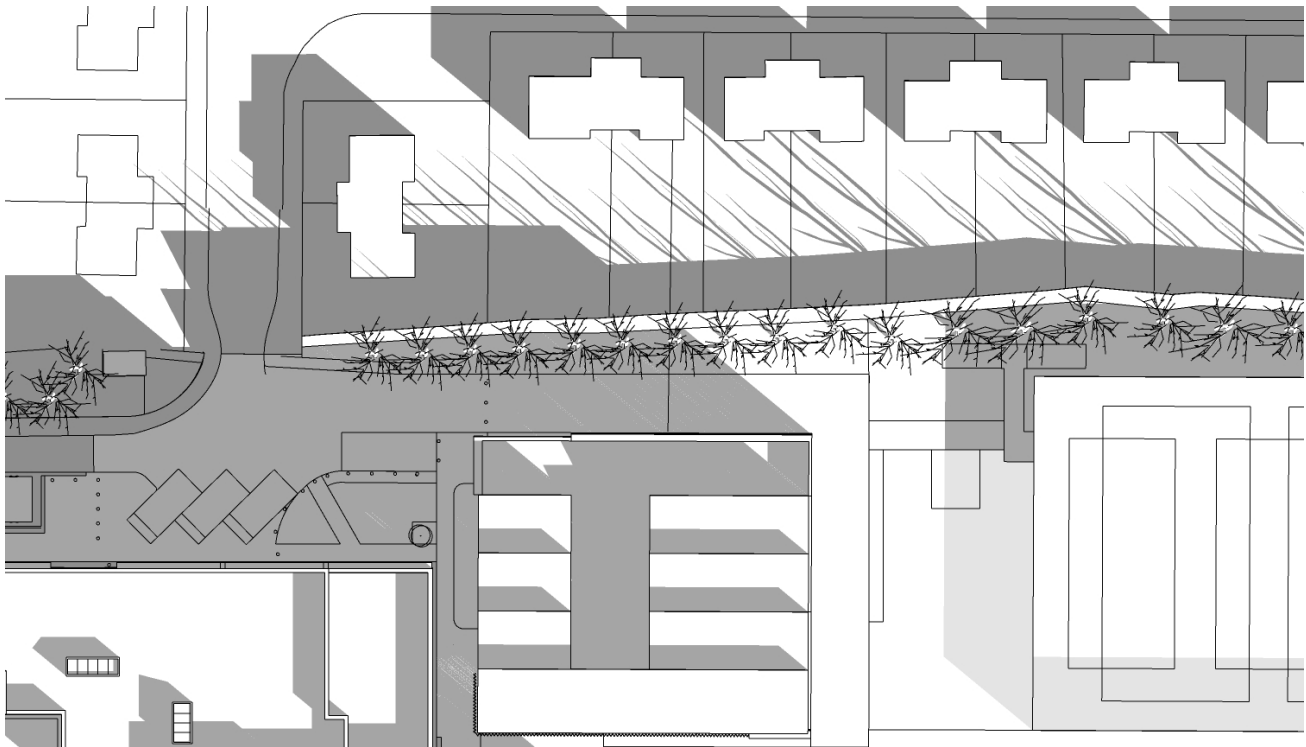
**WINTER**

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.

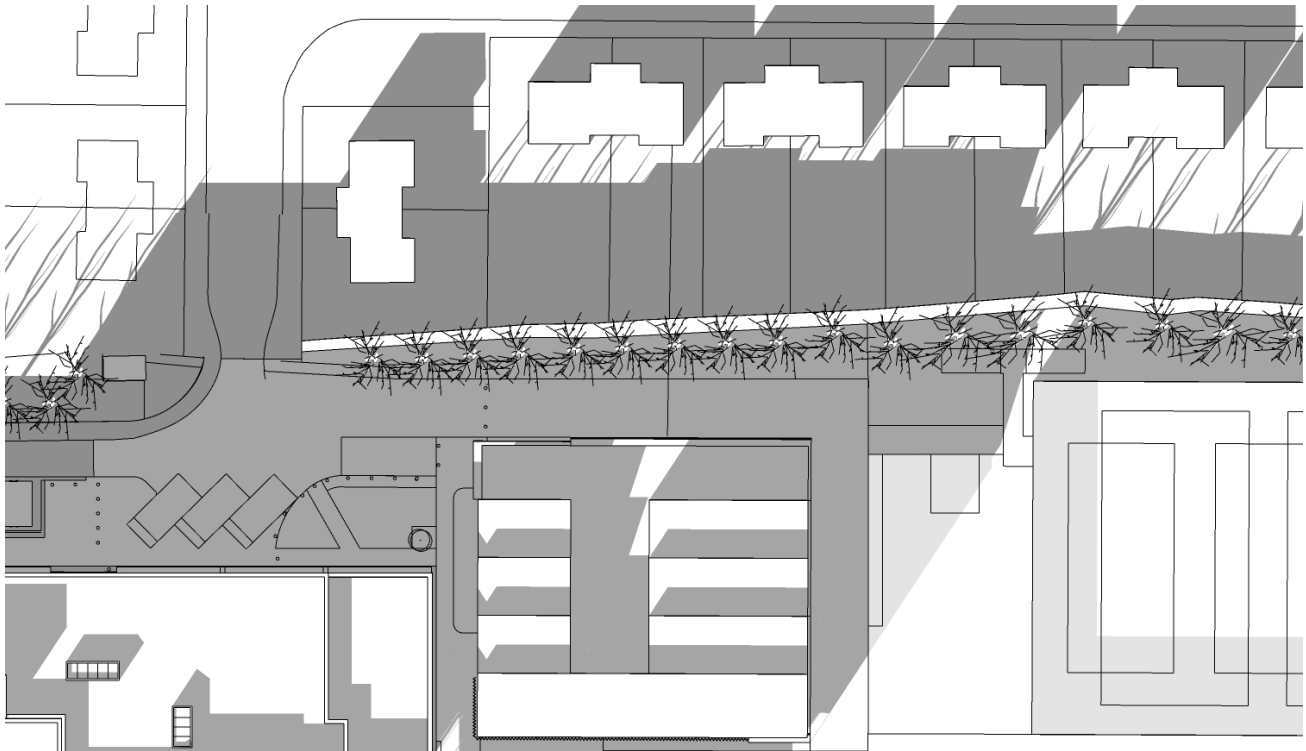
The bungalows on Cherbourg Road will not experience any reduction in daylight to their windows, and there will only be a minor impact on the bungalows on Tennyson Road given their East-West



WINTER 9AM



WINTER 1PM



WINTER 3PM

thank you

# STRIDE TREGLOWN