

Shadow Analysis Study

23 Church view, Gibraltar , Dublin 22

11.07.2022

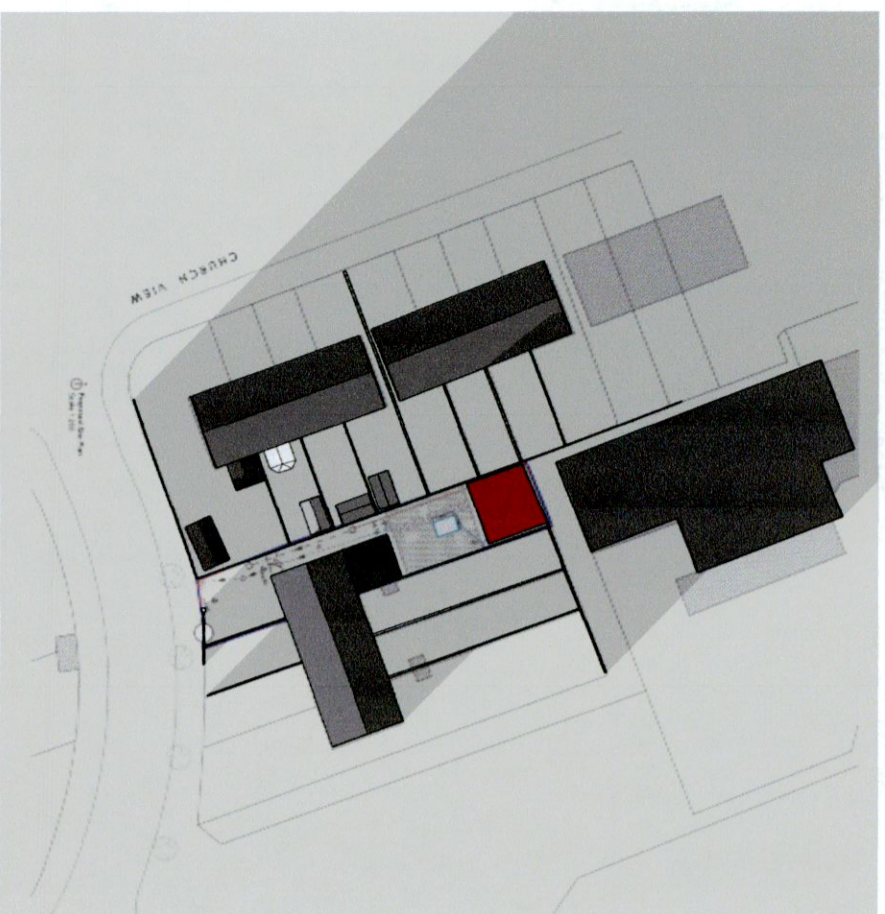


Fig 1.0
10.00

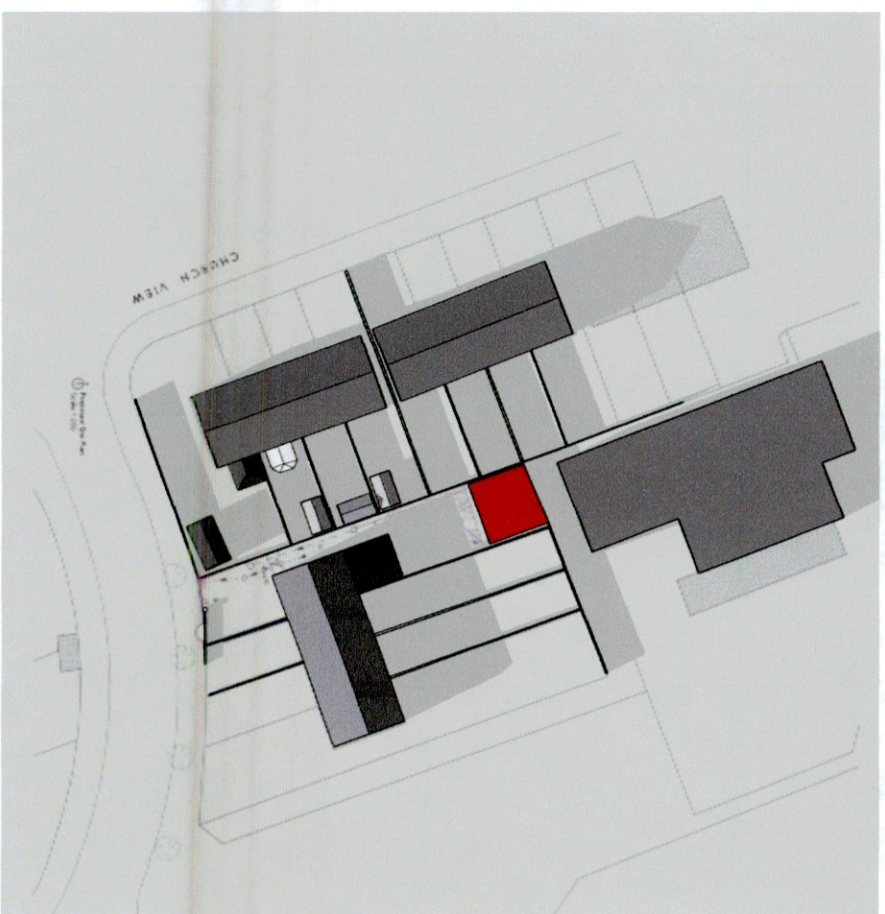


Fig 1.1
12.00

Shadow Analysis March - Spring Solstice

The accompanying images illustrate how the shadows fall on the month of March.

There is very little difference in terms of overshadowing with this addition of the rear shed as shown in Fig. 1.2 At 3pm there is a very slight difference in shadow towards neighbours the rear garden boundary, it is mainly covered by the shadow of the boundary wall.

In the morning & afternoon there is no additional overshadowing as the existing boundary walls completely plunge the rear gardens into shade.
The addition of this shed has no influence in this instance.

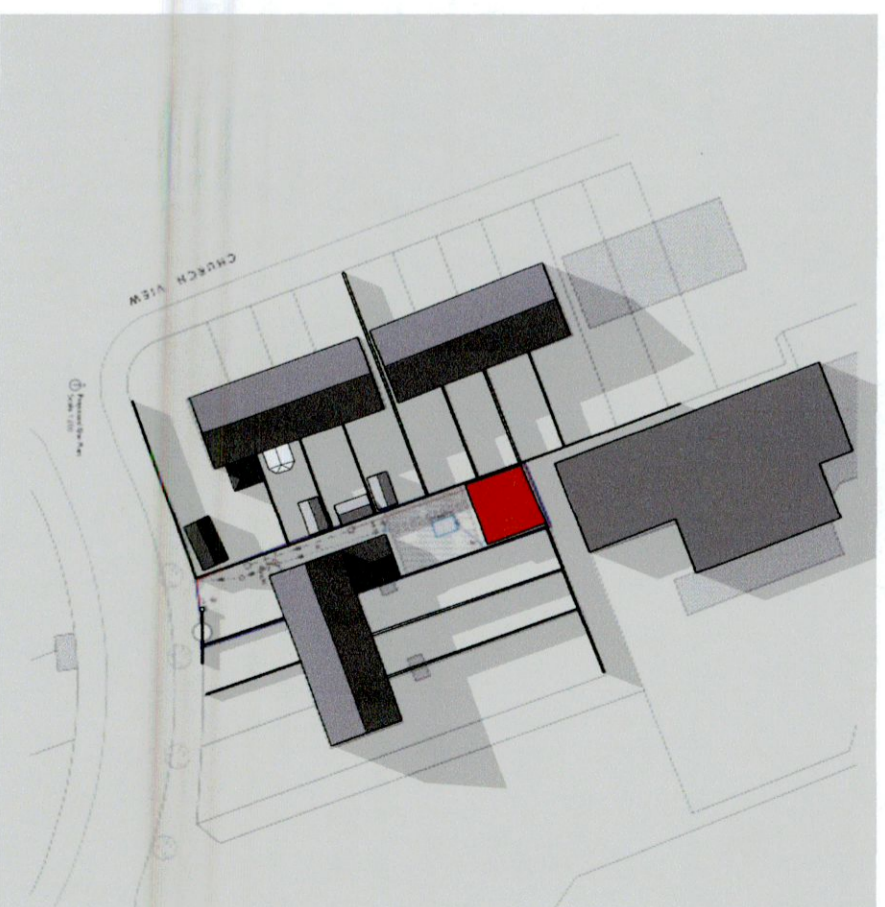


Fig 1.2
15.00

Shadow Analysis June - Summer Solstice

The accompanying images illustrate how the shadows fall on the June 21st. The longest day of the year.

There is no difference in terms of overshadowing in the morning and the afternoon and evening times there is no additional overshadowing as the existing boundary walls completely plunge the rear gardens into shade.

The slight difference of shaddowing from the shed stretches into the lane at the back behind the rear boundary.

The only shadowing into the neighbours gardens is caused by the main houses and the boundary walls. The addition of this shed has no influence in this instance.

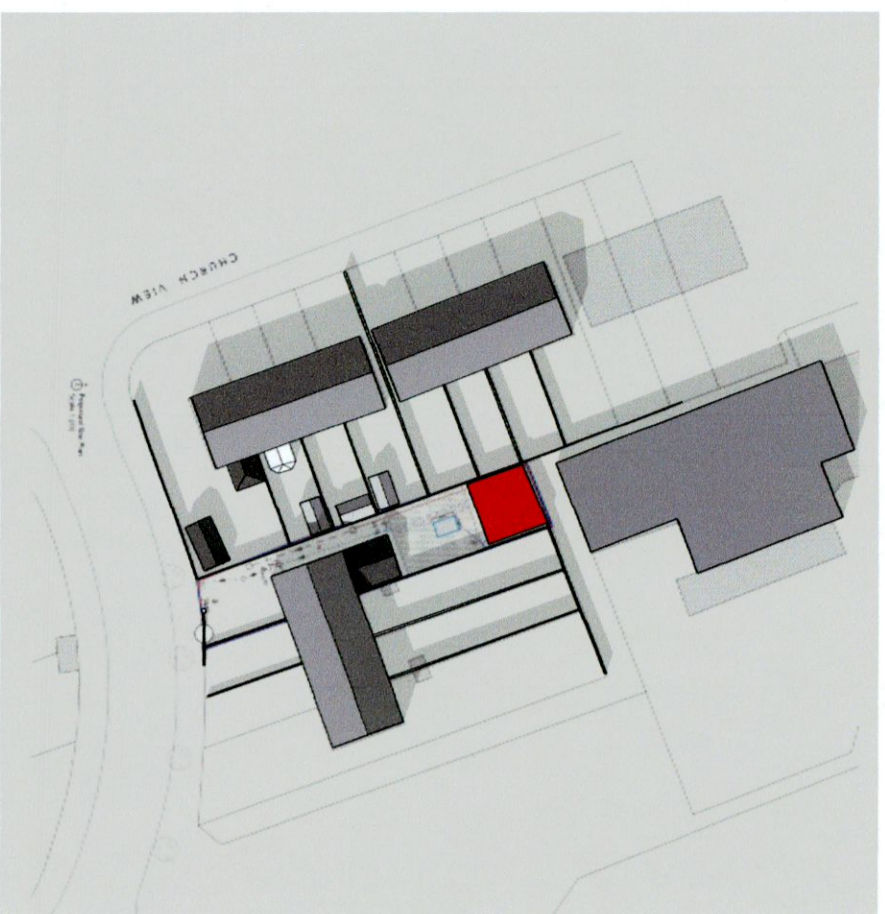


Fig 2.0
09.00

Fig 2.1
12.00

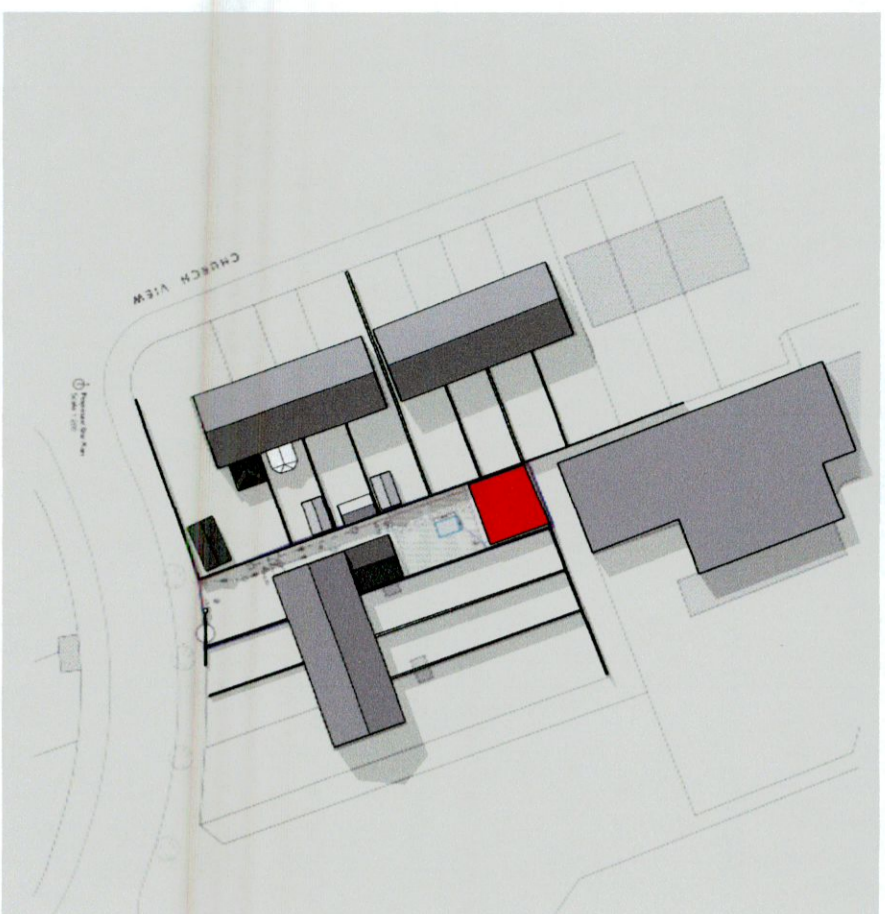
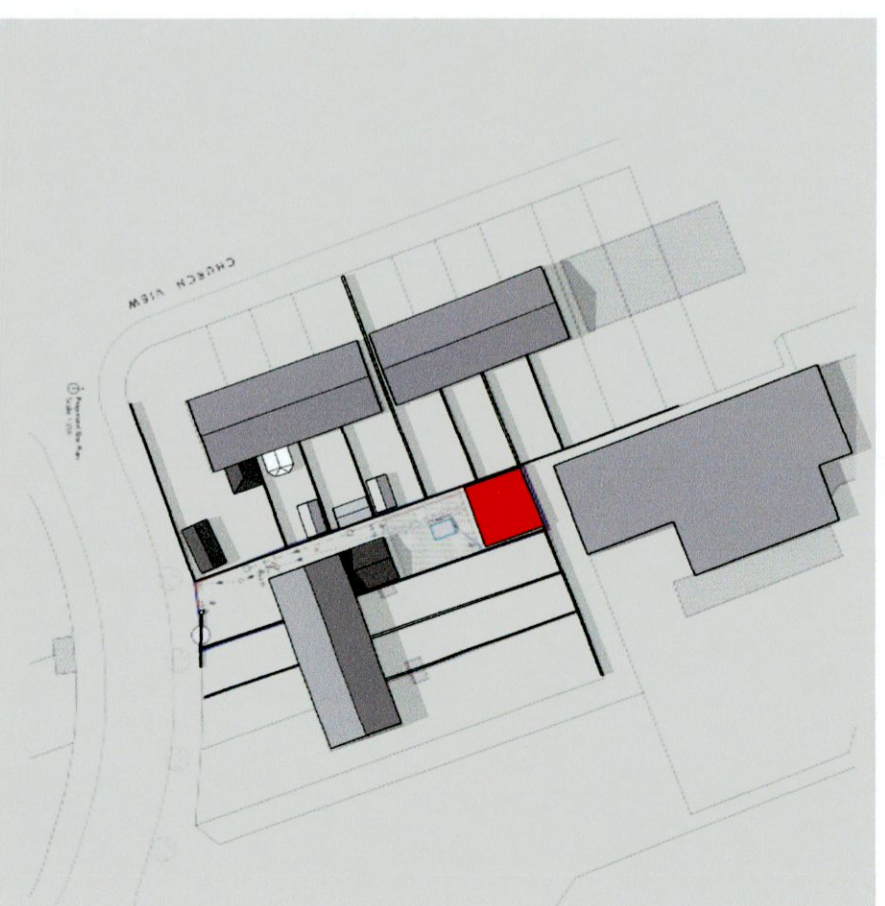


Fig 2.2
15.00

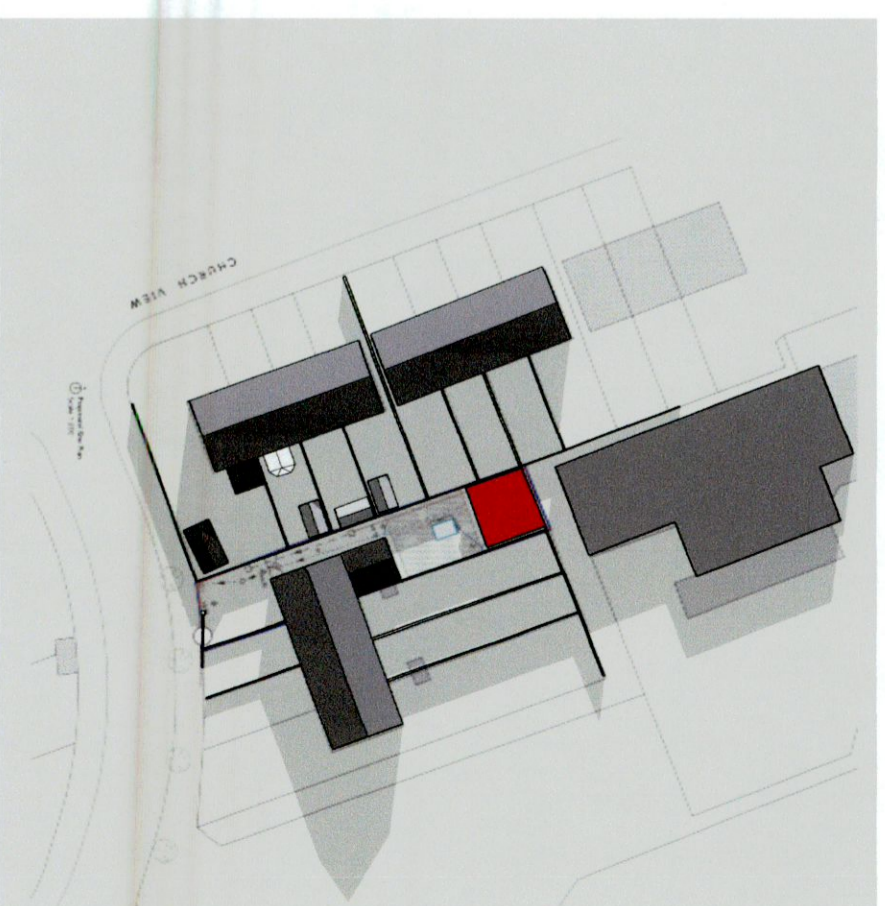


Fig 2.3
18.00

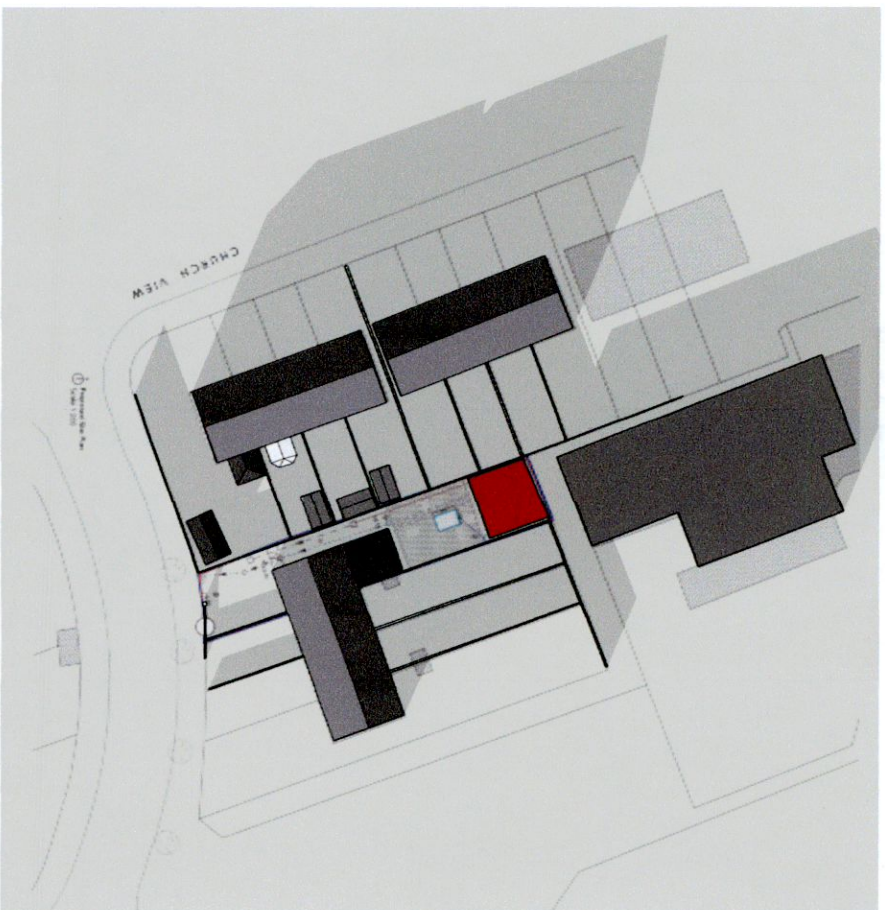


Fig 3.0
09.00

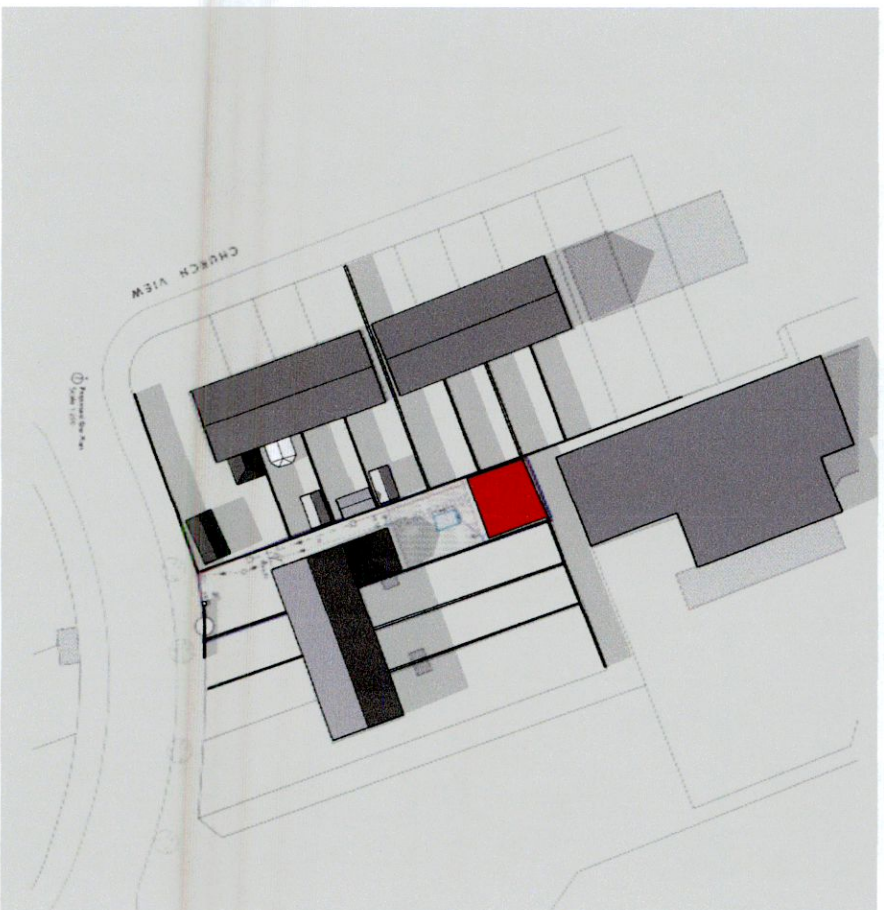


Fig 3.1
12.00

Shadow Analysis September - Autumn Solstice

The accompanying images illustrate how the shadows fall on the month of September

There is very little difference in terms of overshadowing with this addition of the rear shed as shown in Fig. 3.2. At 3pm there is a very slight difference in shadow towards neighbours the rear garden boundary, it is mainly covered by the shadow of the boundary wall. The Majority of the shadow from the shed fall on the rear lane. In the morning & afternoon there is no additional overshadowing as the existing boundary walls completely plunge the rear gardens into shade. The addition of this shed has no influence in this instance.

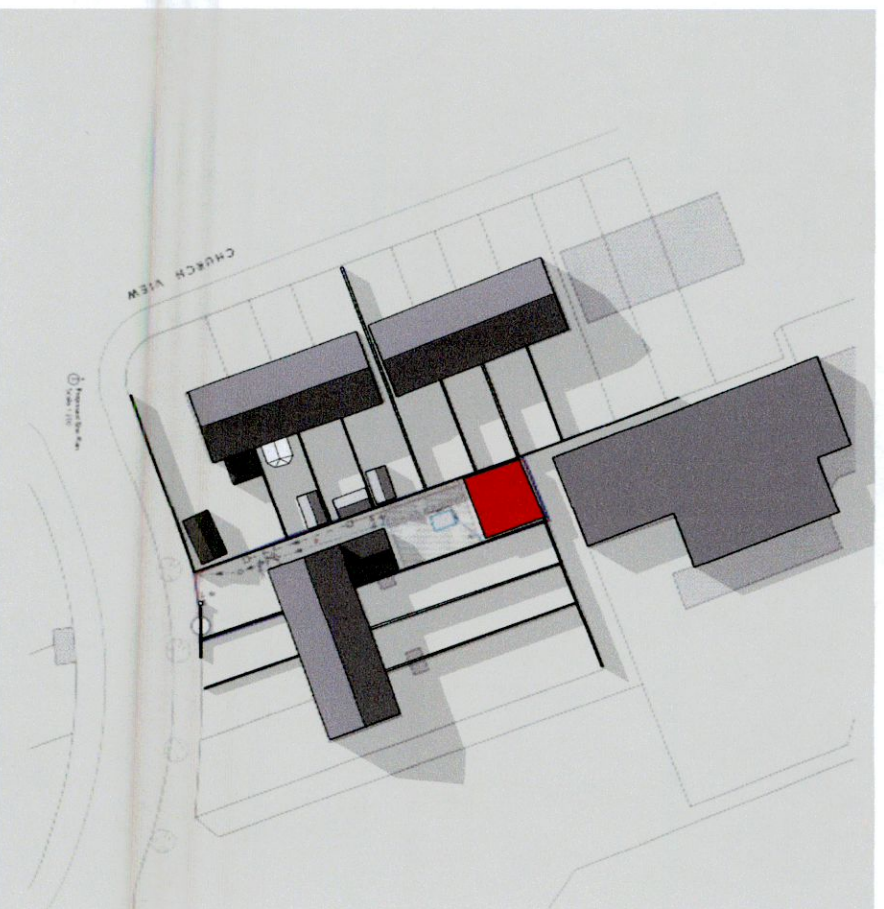


Fig 3.2
15.00

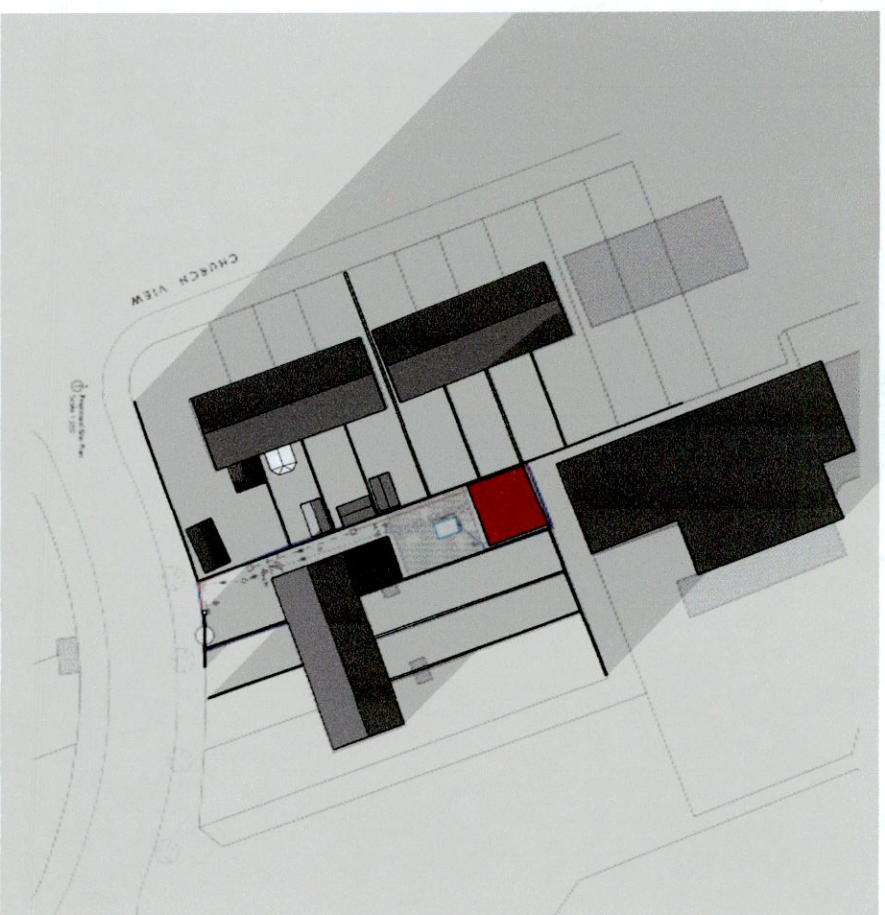


Fig 4.0
10.00

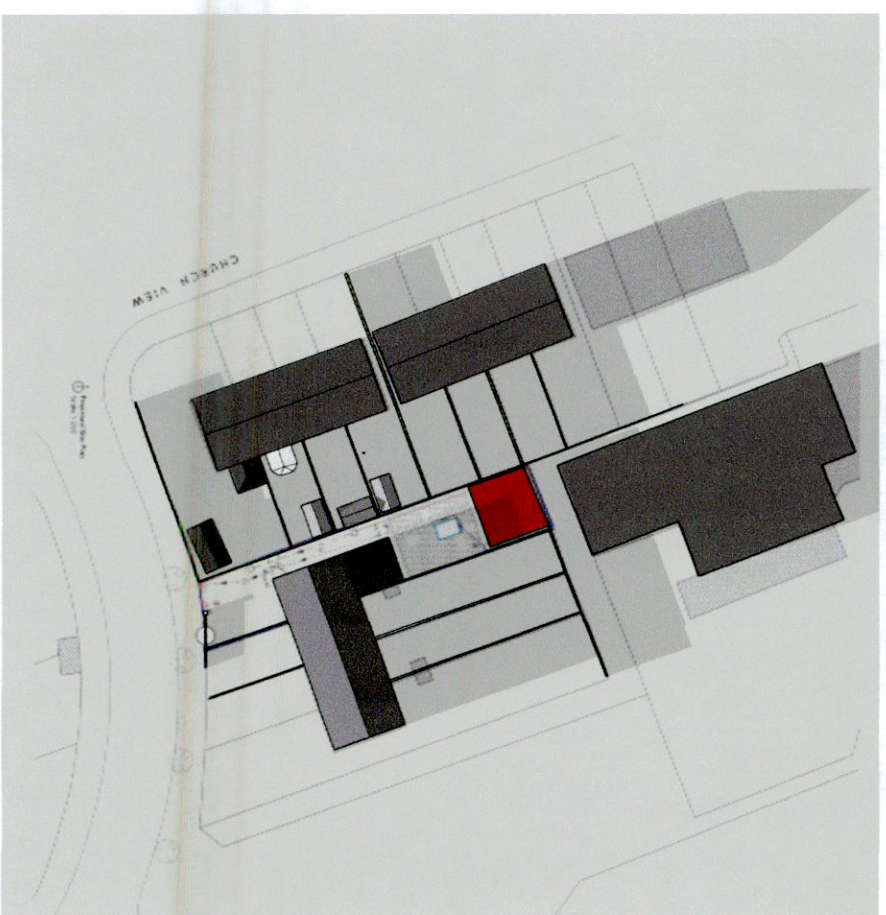


Fig 4.1
12.00

Shadow Analysis December 21st - Spring Solstice

The accompanying images illustrate how the shadows fall on December 21st; The shortest day of the year.

There is no difference in terms of overshadowing

In the afternoon there is no additional overshadowing as the low sun projects the boundary shadow. It is shown here that the shed has no impact in terms of overshadowing. The addition of this shed has no influence in this instance.

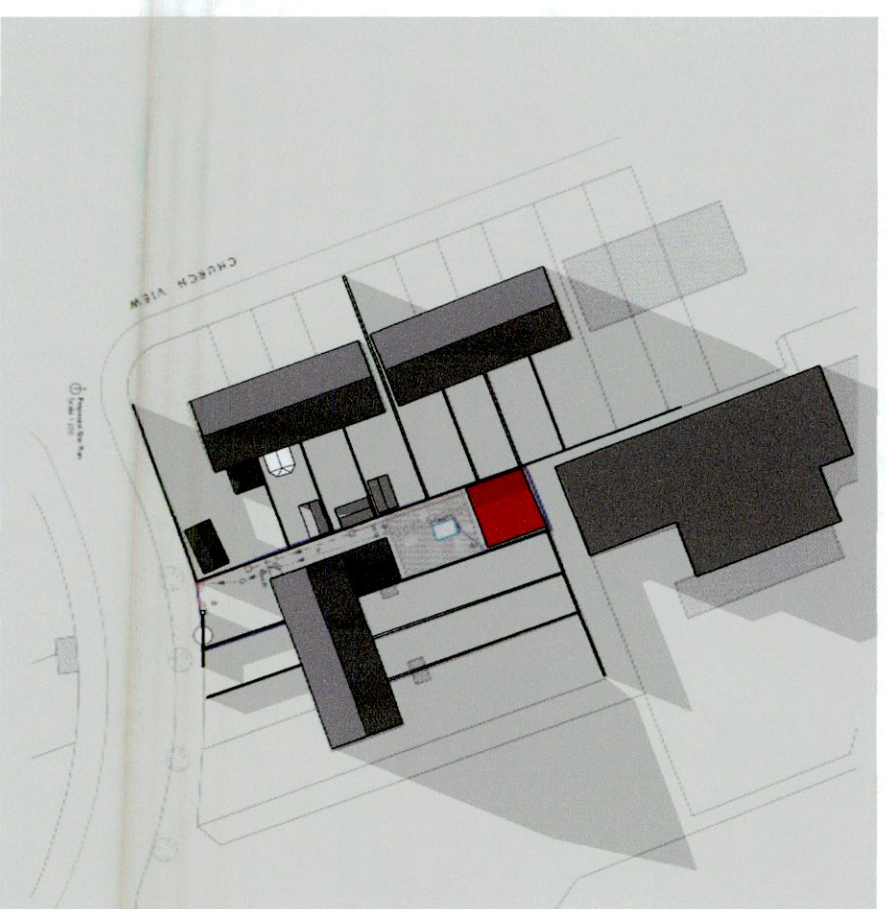


Fig 4.2
15.00