

CLOVELLY + HOMESTEAD

SUNLIGHT/DAYLIGHT CHECK

SKETCH SECTION & PLANS

SCALE 1:500 APPROX

JW ARCHITECT - JULY 2021

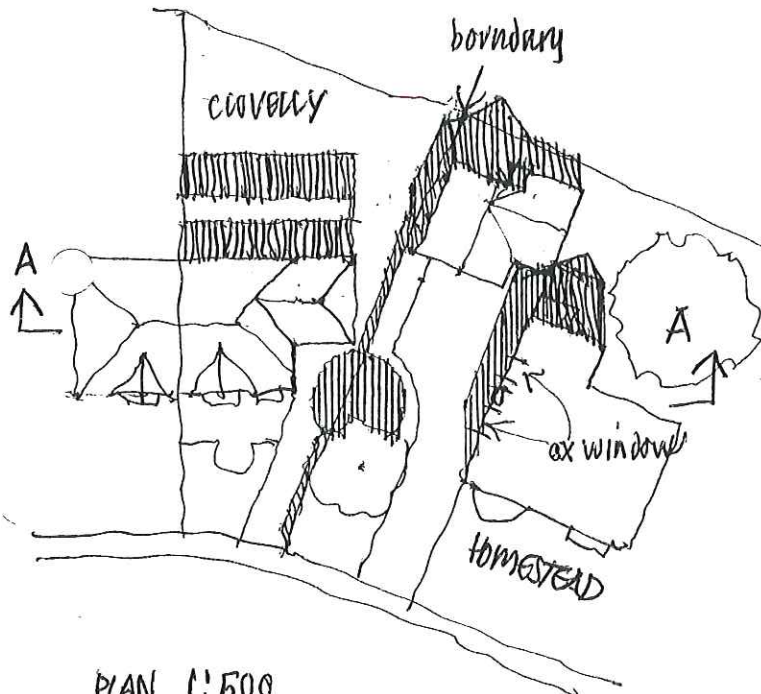


SECTION A-A 1:500

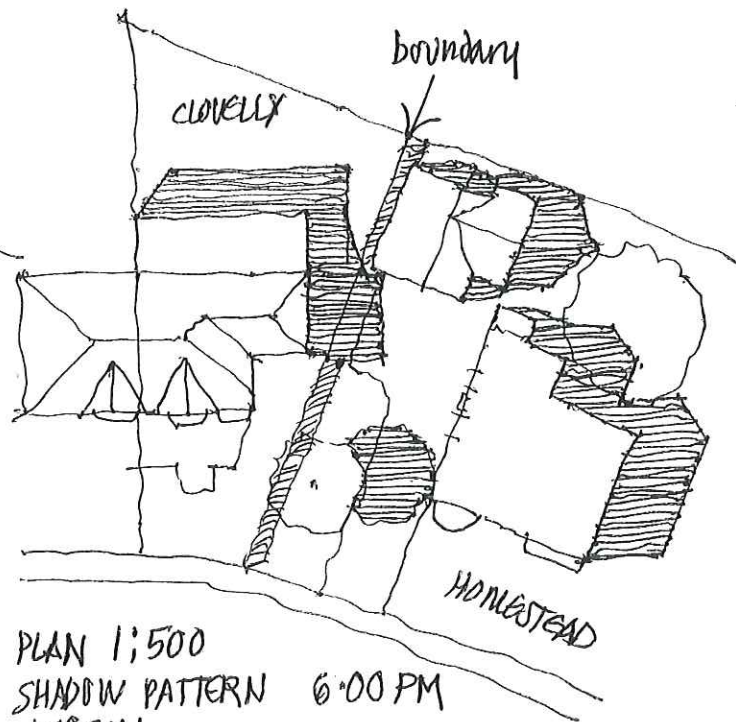
CLOVELLY

HOMESTEAD

Clovelly has 2 principal windows facing east which will be covered by new extension  
 ∴ overloading eliminated



PLAN 1:500  
 SHADOW PATTERN 12:00 NOON  
 45° SUN  
 with extensions in place



PLAN 1:500  
 SHADOW PATTERN 6:00 PM  
 45° SUN  
 with extensions in place

## Sunlight + Daylight check

Clovelly was built ca. 1910 on higher ground to the west of The Homestead likely built ca. 1925; both have later garages set to the rear, that for the Homestead has been enlarged in plan and height.

Sketch sunlight assessment plans, to follow, show the summertime shadow pattern at 12:00 noon and 6:00 pm with a  $45^\circ$  sun angle.

At 12:00 noon the proposed Clovelly extensions will cast shadow only on to the application site.

At 6:00 pm the proposed Clovelly extensions will cast part of their shadow on to the Homestead garage forecourt, not onto neighboring buildings; the balance of shadow will be on to the application site.

Clovelly has two principal windows facing east for the bedroom and kitchen, with two further windows for the landing and hall. These windows all overlook the Homestead at around 15 metres separation distance.

All the east facing Clovelly windows will be covered by the proposed extension, thus eliminating the existing overlooking completely.

There will be no new east facing windows in the extension.

For daylighting at the Homestead, a standard  $25^\circ$  light angle from the mid-point of their west facing windows in the ground storey will be slightly interrupted by the proposed Clovelly side extension roof, but not to serious detriment. This is balanced by the aforementioned elimination of overlooking.

It is proposed that the Clovelly extension is white roughcast rendered, not stone. The Homestead is white rendered and both existing garages are white rendered.

It is considered that continuing white render walls will lighten the space between the two houses to maintain the lightest possible conditions.