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THE NORTH SHORE PROJECT / SHADING DIAGRAMS

08
06

SUN STUDIES — EQUINOX 22 MARCH/22 SEPTEMBER



LEGEND:

SHADOW OVERLAY COMPARISON

MODEL CONSIDERATIONS:

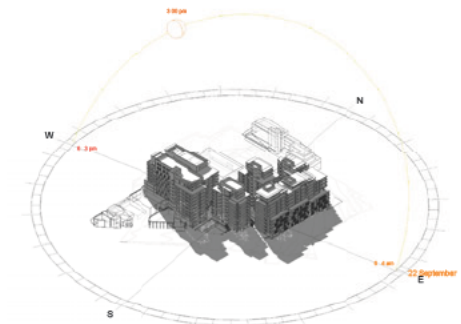
- 24.5M HEIGHT AS PER 1540.8.1.1
- 4 STOREY FRONTAGE HEIGHT AND 4M FRONTAGE SETBACK AS PER 1540.8.1.2
- HEIGHT IN RELATION TO BOUNDARY PLANE AT HURSTMERE GREEN ADJACENT BOUNDARY
- EXISTING NORFOLK PINE CANOPY ZONE EXCLUDED FROM BUILDING MASS

22 MARCH 2021
SUNRISE: 7.25AM (NZDT)
SUNSET: 7.29PM (NZDT)

SUNRISE & SUNSET TIMES

22 SEPTEMBER 2021
SUNRISE: 6.10AM (NZST)
SUNSET: 6.17PM (NZST)

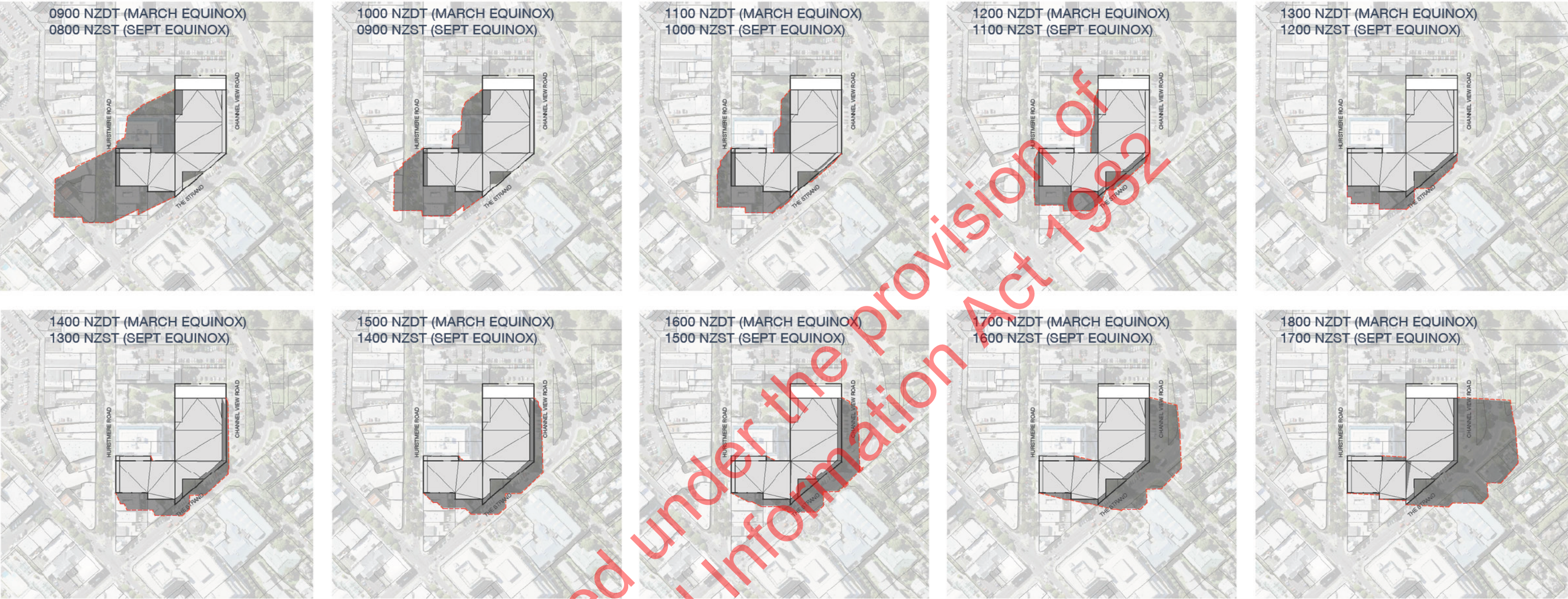
Ref: <https://www.timeanddate.com/sun/new-zealand/auckland>



- NOTE:**
- The site has been modelled using the survey information as provided by ARCLAB (dated December 2020).
 - The shadows have been generated using the sunshading software in Revit 2021. The level is set to L1 at Hurstmere Road, RL 18000. Daylight savings time is noted where applicable.
 - The proposed scheme has been modelled as shown in Fig. 1.

Fig. 1

SUN STUDIES — EQUINOX 22 MARCH/22 SEPTEMBER (COMPLYING SCHEME)



LEGEND:

SHADOW OVERLAY COMPARISON

MODEL CONSIDERATIONS:

- 24.5M HEIGHT AS PER I540.8.1.1
- 4 STOREY FRONTAGE HEIGHT AND 4M FRONTAGE SETBACK AS PER I540.8.1.2
- HEIGHT IN RELATION TO BOUNDARY PLANE AT HURSTMERE GREEN ADJACENT BOUNDARY
- EXISTING NORFOLK PINE CANOPY ZONE EXCLUDED FROM BUILDING MASS

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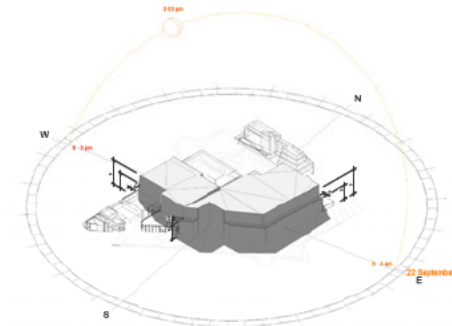


Fig. 1

- NOTE:**
- The site has been modelled using the survey information as provided by ARCLAB (dated December 2020).
 - The shadows have been generated using the sunshading software in Revit 2021. The level is set to L1 at Hurstmere Road, RL 18000. Daylight savings time is noted where applicable.
 - The complying scheme has been modelled as per the standards set out in I540. Takapuna 1 Precinct (see Legend for further model considerations).

SUN STUDIES — WINTER SOLSTICE 21 JUNE



- NOTE:**
- The site has been modelled using the survey information as provided by ARCLAB (dated December 2020).
 - The shadows have been generated using the sunshading software in Revit 2021. The level is set to L1 at Hurstmere Road, RL 18000. Daylight savings time is noted where applicable.
 - The proposed scheme has been modelled as shown in Fig. 1.

SUNRISE & SUNSET TIMES

21 JUNE 2021
SUNRISE: 7.33AM (NZST)
SUNSET: 5.11PM (NZST)

Ref: <https://www.timeanddate.com/sun/new-zealand/auckland>

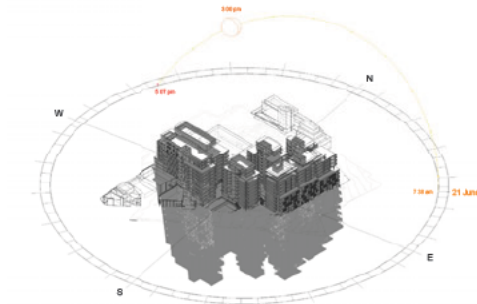


Fig. 1

SUN STUDIES — WINTER SOLSTICE 21 JUNE (COMPLYING SCHEME)



SUNRISE & SUNSET TIMES

21 JUNE 2021
SUNRISE: 7.33AM (NZST)
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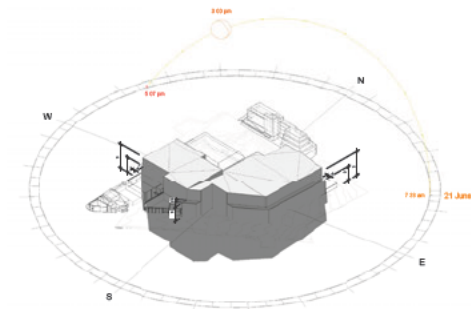


Fig. 1

- NOTE:
- The site has been modelled using the survey information as provided by ARCLAB (dated December 2020).
 - The shadows have been generated using the sunshading software in Revit 2021. The level is set to L1 at Hurstmere Road, RL 18000. Daylight savings time is noted where applicable.
 - The complying scheme has been modelled as per the standards set out in I540. Takapuna 1 Precinct (see Legend for further model considerations).

SUN STUDIES — SUMMER SOLSTICE 21 DECEMBER



SUN STUDIES — SUMMER SOLSTICE 21 DECEMBER (COMPLYING SCHEME)

