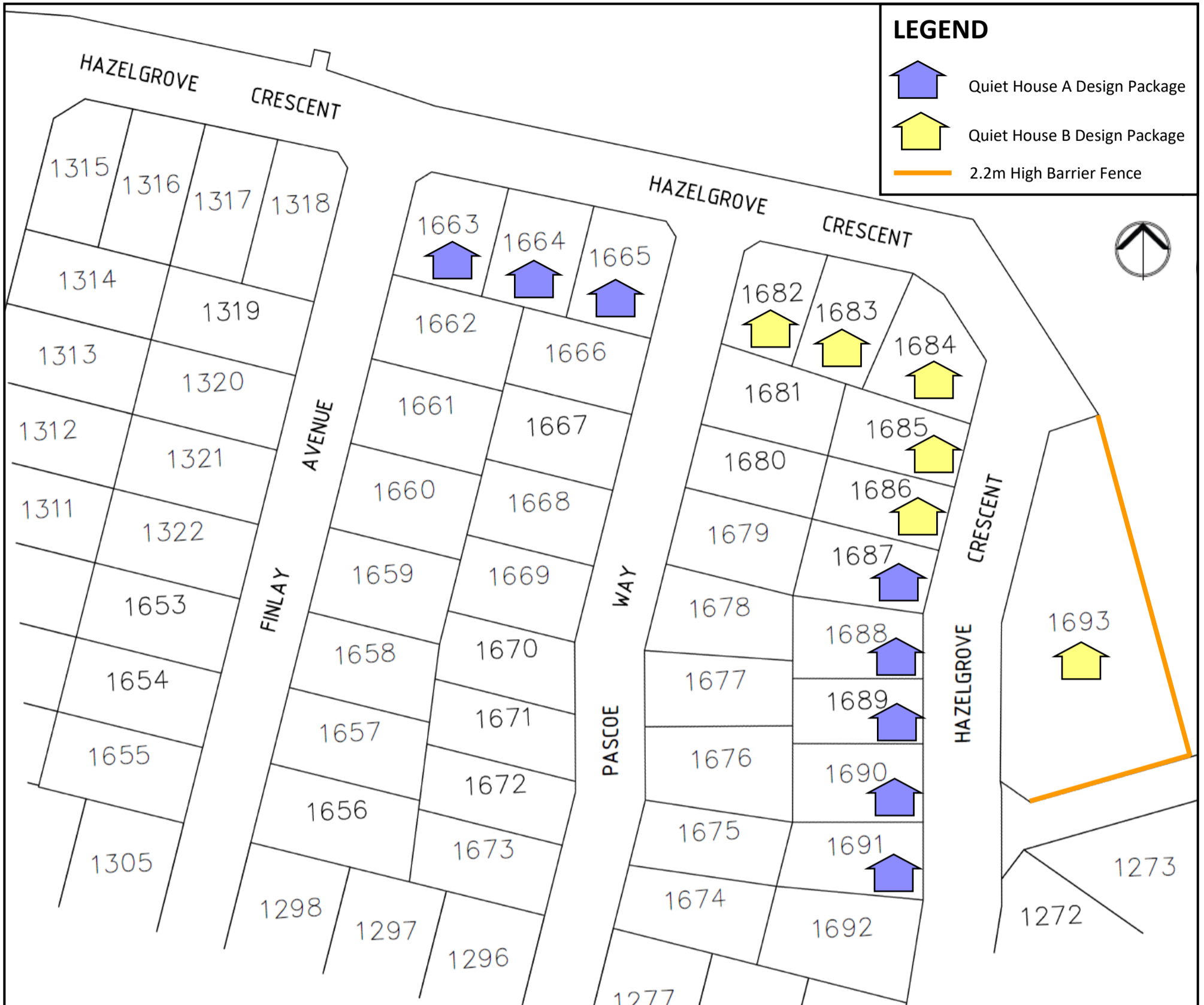


STAGE 20 MILLBRIDGE PRIVATE ESTATE, MILLBRIDGE



NOISE AFFECTED LOTS

Quiet House design requirements are applicable to all noise affected lots identified on this Local Development Plan. Details of Quiet House design requirements (A & B) are included as Attachment 1.

Modifications to the Quiet House design requirements may be approved by the Shire where it can be demonstrated that proposed development will be provided within the acceptable level of acoustic amenity and subject to the development proposal being accompanied by a Transportation Noise Assessment undertaken by a suitably qualified professional.

Building Permit Applications for dwellings on 'noise affected lots' shall be accompanied by a written statement from the applicant demonstrating that the relevant components of the Quiet House design requirements have been complied with in accordance with this Local Development Plan.

Approval

This LDP has been approved by the Shire of Dardanup pursuant to Sch. 2, Pt. 6, Cl. 52(1)(a) of the *Planning and Development (Local Planning Schemes) Regulations 2015*.


Signature
Murray Connell
Manager Development Services

21 December 2022
Date

ATTACHMENT 1								Road Traffic - Quiet House Requirements (Based on Table 3 of State Planning Policy 5.4 2019)							
Exposure Category	Orientation to corridor	Acoustic ratings						Mechanical ventilation/ air conditioning considerations							
		Walls	External doors	Windows	Roofs and ceilings of highest floors	Outdoor Living areas									
A Quiet House A	Facing	Bedroom and Indoor Living and work areas: > R _w +C _{tr} 45dB	Bedrooms: > R _w +C _{tr} 28dB Indoor Living and work areas: > R _w +C _{tr} 25dB	Bedrooms: Window size dependant > Minimum R _w +C _{tr} 28 dB Indoor Living and work areas: Window size dependant > Minimum R _w +C _{tr} 25 dB	> R _w +C _{tr} 35dB	> At least one outdoor living area located on the opposite side of the building from the transport corridor and/or at least one ground level outdoor living area screened using a solid continuous fence or other structure of minimum 2 metres height above ground level	> Acoustically rated openings and ductwork to provide a minimum sound reduction performance of R_w 40dB into sensitive spaces								
	Bedrooms: > R _w +C _{tr} 25dB Indoor Living and work areas: > R _w +C _{tr} 22dB		Bedrooms: Window size dependant > Minimum R _w +C _{tr} 25 dB Indoor Living and work areas: Window size dependant > Minimum R _w +C _{tr} 22 dB												
	No specific requirements		No specific requirements												
B Quiet House B	Facing	Bedroom and Indoor Living and work areas: > R _w +C _{tr} 50dB	Bedrooms: > R _w +C _{tr} 31dB Indoor Living and work areas: > R _w +C _{tr} 28dB	Bedrooms: Window size dependant > Minimum R _w +C _{tr} 31 dB Indoor Living and work areas: Window size dependant > Minimum R _w +C _{tr} 28 dB	> R _w +C _{tr} 35dB	> At least one outdoor living area located on the opposite side of the building from the corridor and/or at least one ground level outdoor living area screened using a solid continuous fence or other structure of minimum 2.4 metres height above ground level	> Acoustically rated openings and ductwork to provide a minimum sound reduction performance of R_w 40dB into sensitive spaces								
	Bedrooms: > R _w +C _{tr} 28dB Indoor Living and work areas: > R _w +C _{tr} 28dB		Bedrooms: Window size dependant > Minimum R _w +C _{tr} 28 dB Indoor Living and work areas: Window size dependant > Minimum R _w +C _{tr} 25 dB												
	Bedrooms: > R _w +C _{tr} 25dB Indoor Living and work areas: > R _w +C _{tr} 25dB		Bedrooms: Window size dependant > Minimum R _w +C _{tr} 25 dB Indoor Living and work areas: Window size dependant > Minimum R _w +C _{tr} 22 dB												
C Quiet House C	Facing	Bedroom and Indoor Living and work areas: > R _w +C _{tr} 50dB	Bedrooms: > No External doors to bedrooms facing the corridor Indoor Living and work areas: > R _w +C _{tr} 31dB	Bedrooms: Window size dependant > Minimum R _w +C _{tr} 31 dB Indoor Living and work areas: Window size dependant > Minimum R _w +C _{tr} 31 dB	> R _w +C _{tr} 40dB	> At least one outdoor living area located on the opposite side of the building from the corridor and/or at least one ground level outdoor living area screened using a solid continuous fence or other structure of minimum 2.4 metres height above ground level	> Acoustically rated openings and ductwork to provide a minimum sound reduction performance of R_w 40dB into sensitive spaces.								
	Bedrooms: > R _w +C _{tr} 31dB Indoor Living and work areas: > R _w +C _{tr} 28dB		Bedrooms: Window size dependant > Minimum R _w +C _{tr} 31 dB Indoor Living and work areas: Window size dependant > Minimum R _w +C _{tr} 28 dB												
	Bedrooms: > R _w +C _{tr} 28dB Indoor Living and work areas: > R _w +C _{tr} 28dB		Bedrooms: Window size dependant > Minimum R _w +C _{tr} 28 dB Indoor Living and work areas: Window size dependant > Minimum R _w +C _{tr} 25 dB												

Note: The above treatments are a deemed to satisfy construction. Alternative designs are acceptable, provided they are certified by a suitable qualified acoustic consultant