

Acoustic Requirements - Fact Sheet

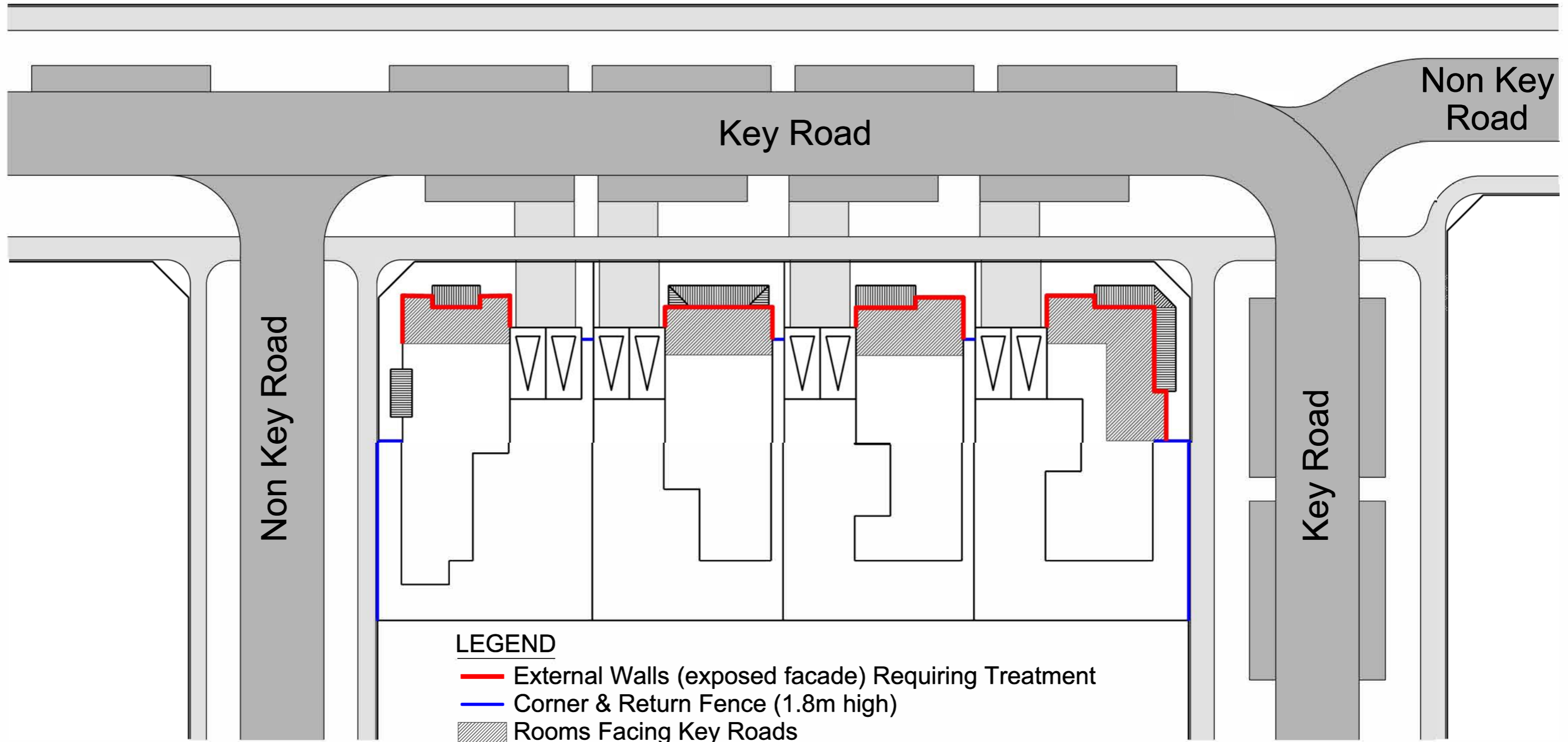


INTRODUCTION:

Riverlea is a masterplanned community to be developed over 20 – 25 years. Traffic volumes are expected to build over time until the community is fully functioning. Walker has commissioned an acoustic assessment of precinct 1 (stages 1-7) that will assist residents to build homes with the appropriate noise protection. This assessment has been used to provide advice to those purchasers building homes that face key roads in order to design homes that minimise traffic noise. Refer to the Building Envelop Plan for allotments details that reference the below Sound Categories.

Sound Category	Construction Requirements					
	External Wall (for exposed façade)	Front Door (for exposed façade)	Habitable Rooms		Bedrooms	
			Windows	Roof / Ceiling	Windows	Roof / Ceiling
#1 *1	Typical Treatment					
	Standard brick veneer wall. Lightweight wall cladding with 2 x 10mm plasterboard internal lining	No requirement	6mm glass in hinged frames with rubber compression seals	No requirement	6mm glass in hinged frames with rubber compression seals	No requirement
	<i>Technical Specifications</i>					
	<ul style="list-style-type: none"> 140kg/m² weight R_w+ C_{tr} 45 	No requirement	R _w + C _{tr} 25	No requirement	R _w + C _{tr} 28	No requirement
#2 *2	Typical Treatment					
	Standard brick veneer wall. No lightweight wall cladding permitted	No requirement	6mm glass in hinged frames with rubber compression seals	No requirement	10mm glass in hinged frames with rubber compression seals	Insulation (185mm thick, 11kg/m ³) above 16mm plasterboard ceiling
	<i>Technical Specifications</i>					
	<ul style="list-style-type: none"> 140kg/m² weight R_w+ C_{tr} 50 	No requirement	R _w + C _{tr} 28	No requirement	R _w + C _{tr} 31	R _w + C _{tr} 35
#3 *3	Typical Treatment					
	Standard brick veneer wall. No lightweight wall cladding permitted	40mm solid core door (with 6mm glass) with rubber compression seals	10mm glass in hinged frames with rubber compression seals	Insulation (185mm thick, 11kg/m ³) above 16mm plasterboard ceiling	10mm glass in hinged frames with rubber compression seals	Insulation (185mm thick, 11kg/m ³) above 2 x 16mm plasterboard ceiling
	<i>Technical Specifications</i>					
	<ul style="list-style-type: none"> 140kg/m² weight R_w+ C_{tr} 50 	<ul style="list-style-type: none"> R_w 30 	<ul style="list-style-type: none"> R_w + C_{tr} 31 	<ul style="list-style-type: none"> R_w+ C_{tr} 35 185mm thick, 11kg/m³ 	<ul style="list-style-type: none"> R_w + C_{tr} 34 	<ul style="list-style-type: none"> R_w+ C_{tr} 40 185mm thick, 11kg/m³

Acoustic Requirements



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