Planning Proposal to Implement Strathfield Medium Density Housing Strategy

Built form & visual impact testing

26 July 2024



Introduction

This built form and visual impact testing was undertaken by Council staff to help determine the appropriate level of FSR for the proposed medium density housing types in the R2 zone. Various levels of FSR were tested in this study before arriving at the recommended FSR to inform the Planning Proposal.

Having reviewed the supporting documents, it is understood by Council staff that a more aggressive density increase will encourage housing supply, stimulate the market take-up and potentially deliver medium density housing products at a faster pace; however, it presents the risk of overdevelopment and might compromise the amenity of neighbouring residents and future occupants.

A more conservative approach would expect a steady supply of medium density housing and gradual increase of the housing diversity in the residential neighbourhood, minimising the impact on the existing neighbourhood character. The test found that an FSR of 1:1 is excessive in an R2 zone and will likely lead to overdevelopment and is not supported.

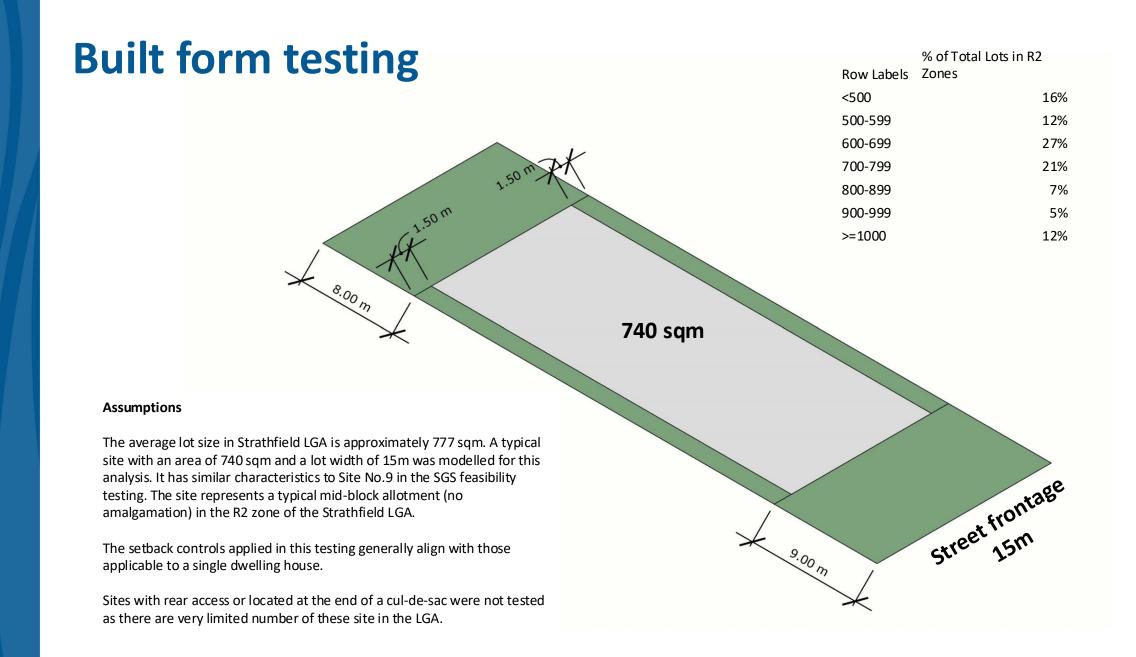
An FSR of 0.8:1 may be achievable in a built form that consists of two storey with limited additionall floor space in an attic. However, it will require robust DCP controls to ensure that the intended outcome can be satisfactorily delivered by development proposals.

At the end, a moderate increase in the FSR up to 0.65:1 is recommended. This will allow a two storey built form to accommodate various medium density housing types such as dual occupancy, multi dwelling housing and manor house, while offering some incentive to encourage medium density housing over single dwelling development.

It will also encourage development proposals to be lodged via the Development Assessment (DA) pathways rather than as Complying Development under the Codes SEPP 2008.



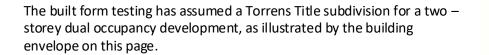
FSR scale

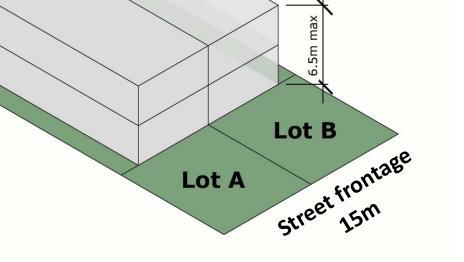


Built form testing

EQ

EQ





Feasibility driven approach – FSR 1:1

Prominent 3 storey built form

Scenario 1 – FSR 1:1

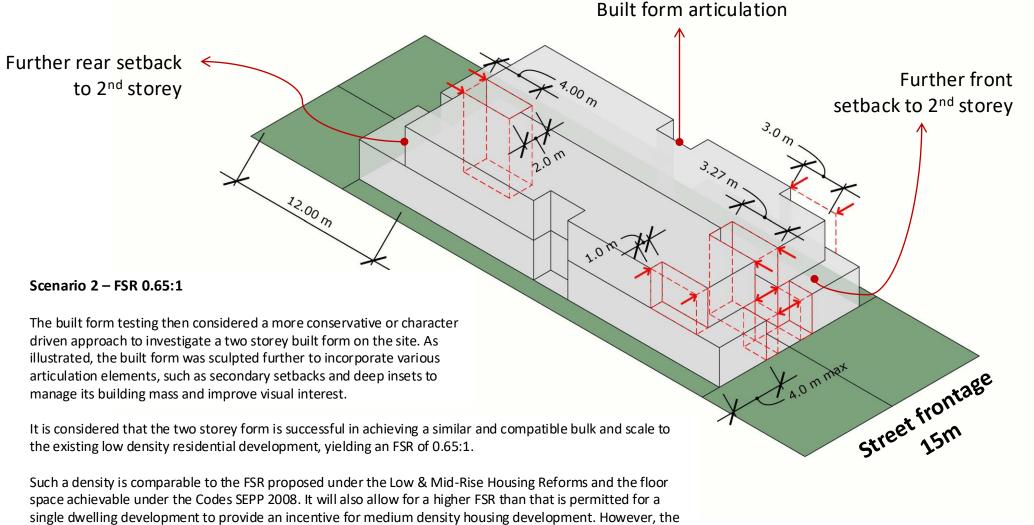
The built form testing began with a feasibility driven approach, investigating the resulting built form based on an FSR of 1:1, which is the density required to meet the viability threshold in the current market conditions.

The result shows that an FSR of 1:1 on the site will result in a three storey built form. Although such a density could achieve development viability, it will likely lead to overdevelopment and poor design outcomes, including:

- Adverse impacts on neighbour's amenity e.g. overshadowing and excessive bulk.
- Compromised internal amenity for future occupants.
- Built form incompatible with the existing character of the low density neighbourhood.

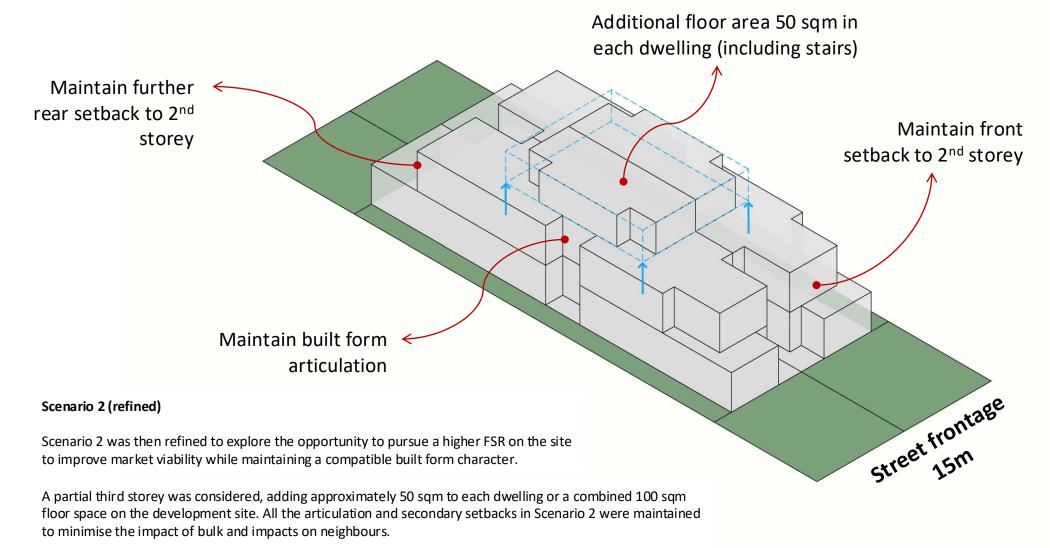
Therefore, a density at an FSR of 1:1 is not supported for reasons outlined above.

Character driven approach – 0.65:1



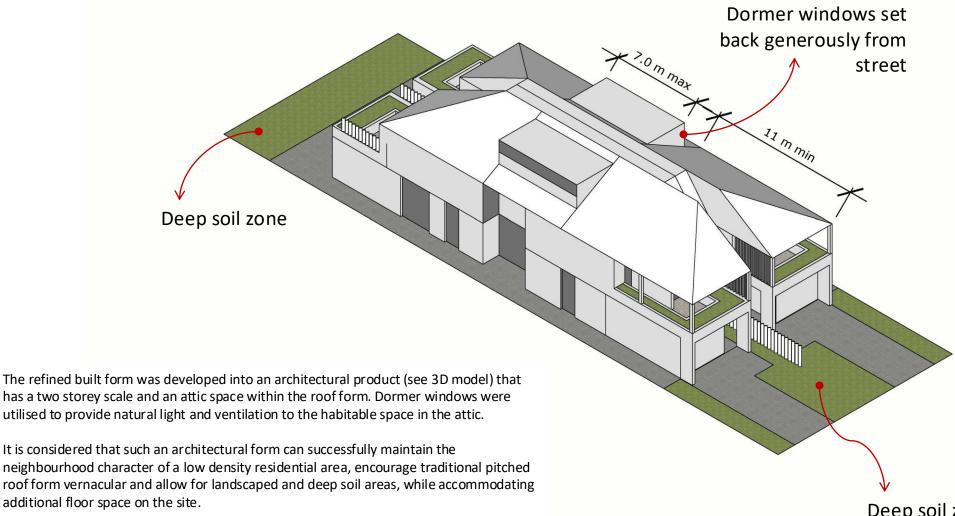
FSR of 0.65:1 sits well below the market viability threshold.

Built form refinement



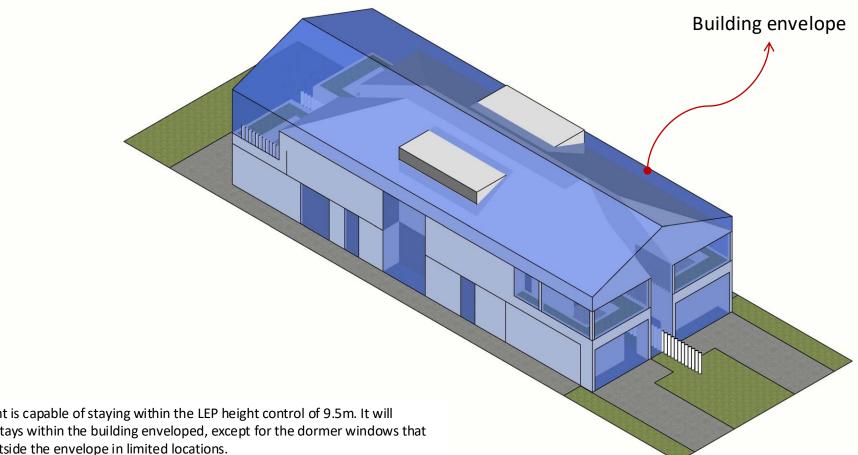
The above built form will result in an FSR of approximately 0.8:1.

Architectural outcome – Dual Occupancy

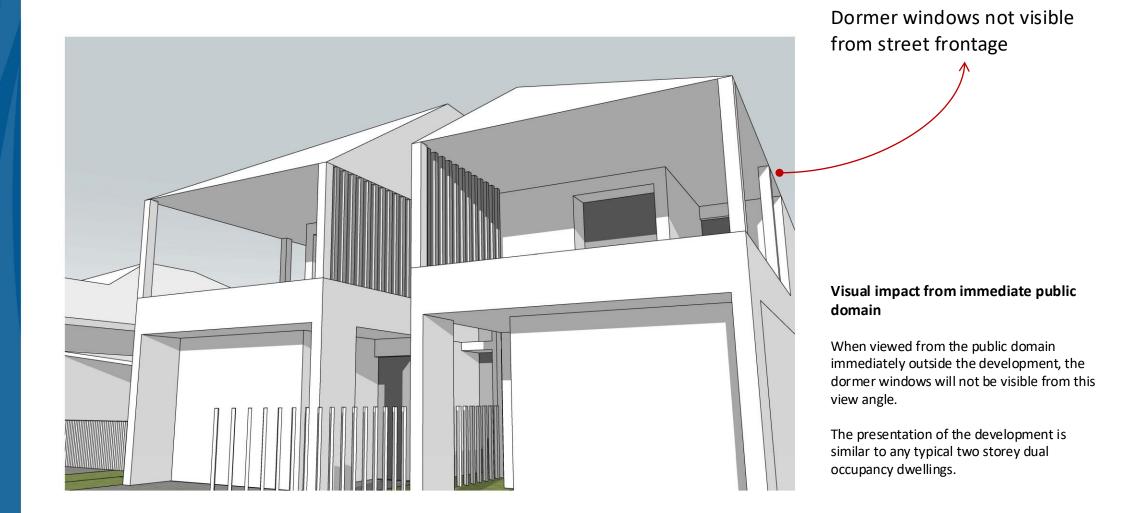


Deep soil zone

Testing against built form envelope



The development is capable of staying within the LEP height control of 9.5m. It will predominantly stays within the building enveloped, except for the dormer windows that will protrude outside the envelope in limited locations.





Visual impact from opposite of street

When viewed from the public domain on the opposite side, the dormer windows will only be partly visible due to the generous setback from the street. However, they will not significantly contribute to the building bulk and appear as an obtrusive element in the building silhouette. They would stay quiet in the streetscape and add visual interest to the built form.



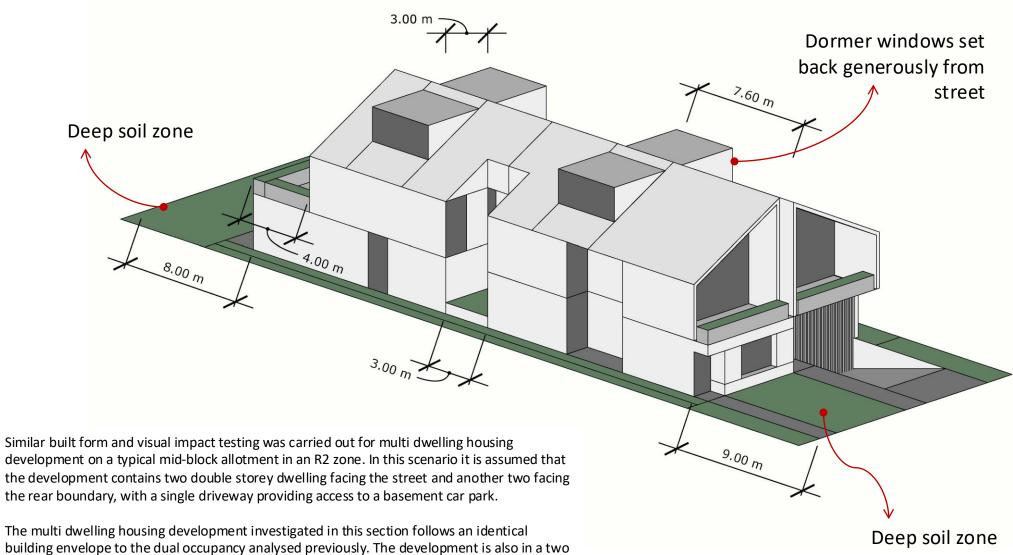


Visual impact from opposite of street (cont.)

As discussed on the previous page, the visibility to the dormer windows is limited when viewed from the street. The presentation of the development remains highly similar to any typical two storey dual occupancy dwellings.

Architectural outcome – multi dwelling

storey scale with separate attic spaces within the roof form for additional habitable areas.



Visual impact testing – multi dwelling



Visual impact from opposite of street

The multi dwelling housing development achieves a similar outcome to dual occupancy in terms of visual impacts, as shown on this and the next page. It is considered that the presentation of the development is compatible with the existing character of the low density residential areas.



