HOUSING BY OR ON BEHALF OF THE DIRECTOR OF HOUSING

Purpose

To facilitate the development of well-designed social housing and affordable housing to meet existing and future needs.

To increase the social housing and affordable housing stock in Victoria.

To ensure the development of housing by or on behalf of the Director of Housing does not unreasonably impact on the amenity of adjoining dwellings.

Application

This clause applies to an application under a provision of a residential zone (other than the Low Density Residential Zone) to construct or extend a dwelling, or to construct or extend a front fence, if the application is made by or on behalf of the Director of Housing.

In this clause, Director of Housing means ‘Director of Housing’ as defined in the Housing Act 1993 and the body corporate established under the Housing Act 1993.

Operation

The provisions of this clause prevail over any inconsistent provision in this planning scheme.

An application to construct or extend a dwelling, or to construct or extend a front fence, should meet the standards in clause 53.20-6.

An application to construct or extend an apartment development, or to construct or extend a dwelling in or forming part of an apartment development, should meet the standards in clause 53.20-6 and clause 53.20-7 except for the standard in:

- Clause 53.20-6.5.
- Clause 53.20-6.10 for an apartment development of 5 or more storeys.

The standards in clause 53.20-6 and 53.20-7 should normally be met. However, an alternative design solution may be considered if the responsible authority is satisfied that the proposal does not unreasonably impact on the amenity of an existing dwelling on the site or on an adjacent site.

Exemption from planning scheme provisions

The following provisions of this planning scheme do not apply:

- The Municipal Planning Strategy or Municipal Strategic Statement and the Planning Policy Framework.
- An application requirement or decision guideline of a zone.
- A requirement to meet clauses 54, 55 and 58 of a zone.
- A schedule to a zone except for a specified building height requirement.
- Clauses 52.06 and 65.

Exemption from notice and review

An application under any provision of this scheme is exempt from the notice requirements of section 52(1) (a), (b) and (d), the decision requirements of section 64(1), (2) and (3) and the review rights of section 82(2) of the Act.

Application requirements

An application must be accompanied by the following information, as appropriate:
Where the application is made on behalf of the Director of Housing, a letter from the Department of Health and Human Services confirming that the application is made on behalf of the Director of Housing.

An urban context report. The urban context report may use a site plan, photographs or other techniques and must include an accurate description of:

- Lot boundaries, site shape, size, orientation and easements on the subject site.
- Levels and contours of the site and the difference in levels between the site and adjoining properties.
- The location and height of existing buildings on the site and adjoining properties.
- The use of adjoining buildings.
- The location of secluded private open space of adjoining properties and the location of trees, fences and other landscape elements.
- Solar access to the site and to adjoining properties.
- Street frontage features such as poles, street lights, street trees and kerb crossovers.
- The location of local shops, public transport services and public open spaces within walking distance.
- Movement systems through and around the site.
- Any other notable feature or characteristic of the site.
- An assessment of the characteristics of the area including:
  - Any environmental features such as vegetation, topography and significant views.
  - The pattern of subdivision.
  - Street design and landscape.
  - The pattern of development.
  - Building form, scale and rhythm.
  - Connection to the public realm.
  - Architectural style, building details and materials.
  - Significant off-site noise sources.
  - For an apartment application, the relevant NatHERS climate zones.
  - Social and economic activity.
  - Any other notable or cultural characteristics of the area.

A design response. The design response must explain how the proposed design:

- Responds to any relevant planning provision.
- Derives from and responds to the urban context report.
- The design response must include correctly proportioned street elevations or photographs showing the development in the context of adjacent buildings.
Development standards

53.20-6.1 Infrastructure

Development should be connected to reticulated services, including reticulated sewerage, drainage, electricity and gas.

Development should not unreasonably exceed the capacity of utility services and infrastructure, including reticulated services and roads.

In areas where utility services or infrastructure have little or no spare capacity, developments should provide for the upgrading of or mitigation of the impact on services or infrastructure.

53.20-6.2 Street setback

Walls of buildings should be set back from streets at least the distance specified in Table 1. Porches, pergolas and verandahs that are less than 3.6 metres high and eaves may encroach not more than 2.5 metres into the setbacks of this standard.

Table 1 Street setback

<table>
<thead>
<tr>
<th>Development context</th>
<th>Minimum setback from front street (metres)</th>
<th>Minimum setback from a side street (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is no existing building on either of the abutting allotments facing the same street, and the site is not on a corner.</td>
<td>6 metres for streets in a Road Zone, Category 1, and 4 metres for other streets.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>The site is on a corner.</td>
<td>If there is a building on the abutting allotment facing the front street, the same distance as the setback of the front wall of the existing building on the abutting allotment facing the front street or 7 metres, whichever is the lesser.</td>
<td>Front walls of new development fronting the side street of a corner site should be setback at least the same distance as the setback of the front wall of any existing building on the abutting allotment facing the side street or 3 metres, whichever is the lesser.</td>
</tr>
<tr>
<td>If there is no building on the abutting allotment facing the front street, 6 metres for streets in a Road Zone, Category 1, and 4 metres for other streets.</td>
<td>Side walls of new development on a corner site should be setback the same distance as the setback of the front wall of any existing</td>
<td></td>
</tr>
</tbody>
</table>
### Development context

<table>
<thead>
<tr>
<th>Minimum setback from front street (metres)</th>
<th>Minimum setback from a side street (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>building on the abutting allotment facing the side street or 2 metres, whichever is the lesser.</td>
<td></td>
</tr>
</tbody>
</table>

### 53.20-6.3 Site coverage

The site area covered by buildings should not exceed 60 per cent.

### 53.20-6.4 Permeability

The site area covered by the pervious surfaces should be at least 20 percent of the site.

### 53.20-6.5 Energy efficiency

Buildings should be:
- Oriented to make appropriate use of solar energy.
- Sited and designed to ensure that the energy efficiency of existing dwellings on adjoining lots is not unreasonably reduced.
- Sited and designed to ensure that the performance of existing roof top solar energy systems on dwellings on adjoining lots in a General Residential Zone, Neighbourhood Residential Zone or Township Zone are not unreasonably reduced. The existing roof top solar energy system must exist at the date the application is lodged.

Living areas and private open space should be located on the north side of the development, if practicable.

Developments should be designed so that solar access to north-facing windows is maximised.

### 53.20-6.6 Safety

Entrances to dwellings should not be obscured or isolated from the street and internal accessways. Planting which creates unsafe spaces along streets and accessways should be avoided.

Developments should be designed to provide good lighting, visibility and surveillance of car parks and internal accessways.

Private spaces within developments should be protected from inappropriate use as public thoroughfares.

### 53.20-6.7 Access

The width of accessways or car spaces should not exceed:
- 33 per cent of the street frontage, or
- if the width of the street frontage is less than 20 metres, 40 per cent of the street frontage.

No more than one single-width crossover should be provided for each dwelling fronting a street.

The location of crossovers should maximise the retention of on-street car parking spaces.

The number of access points to a road in a Road Zone should be minimised.

Developments must provide for access for service, emergency and delivery vehicles.
53.20-6.8 Parking location

Car parking facilities should:

- Be reasonably close and convenient to dwellings.
- Be secure.
- Be well ventilated if enclosed.

Shared accessways or car parks of other dwellings should be located at least 1.5 metres from the windows of habitable rooms. This setback may be reduced to 1 metre where there is a fence at least 1.5 metres high or where window sills are at least 1.4 metres above the accessway.

53.20-6.9 Car parking

A minimum 0.6 car spaces should be provided to each dwelling. Car spaces may be covered or uncovered.

If in calculating the number of car parking spaces the result is not a whole number, the required number of car parking spaces is to be rounded down to the nearest whole number greater than 1.

Accessway design

Accessways must:

- Be at least 3 metres wide.
- Have an internal radius of at least 4 metres at changes of direction or intersection or be at least 4.2 metres wide.
- Allow vehicles parked in the last space of a dead-end accessway in public carparks to exit in a forward direction with one manoeuvre.
- Provide at least 2.1 metres headroom beneath overhead obstructions, calculated for a vehicle with a wheel base of 2.8 metres.
- If the accessway serves four or more car spaces or connects to a road in a Road Zone, the accessway must be designed so that cars can exit the site in a forward direction.
- Provide a passing area at the entrance at least 6.1 metres wide and 7 metres long if the accessway serves ten or more carparking spaces and is either more than 50 metres long or connects to a road in a Road Zone.
- Have a corner splay or area at least 50 percent clear of visual obstructions extending at least 2 metres along the frontage road from the edge of an exit lane and 2.5 metres along the exit lane from the frontage, to provide a clear view of pedestrians on the footpath of the frontage road. The area clear of visual obstructions may include an adjacent entry or exit lane where more than one lane is provided, or adjacent landscaped areas, provided the landscaping in those areas is less than 900mm in height.

Car parking spaces

Car parking spaces and accessways must have the minimum dimensions as outlined in Table 2.
Table 2: Minimum dimensions of car parking spaces and accessways

<table>
<thead>
<tr>
<th>Angle of car parking spaces to access way</th>
<th>Accessway width</th>
<th>Car space width</th>
<th>Car space length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parallel</td>
<td>3.6 m</td>
<td>2.3 m</td>
<td>6.7 m</td>
</tr>
<tr>
<td>45°</td>
<td>3.5 m</td>
<td>2.6 m</td>
<td>4.9 m</td>
</tr>
<tr>
<td>60°</td>
<td>4.9 m</td>
<td>2.6 m</td>
<td>4.9 m</td>
</tr>
<tr>
<td>90°</td>
<td>6.4 m</td>
<td>2.6 m</td>
<td>4.9 m</td>
</tr>
<tr>
<td></td>
<td>5.8 m</td>
<td>2.8 m</td>
<td>4.9 m</td>
</tr>
<tr>
<td></td>
<td>5.2 m</td>
<td>3.0 m</td>
<td>4.9 m</td>
</tr>
<tr>
<td></td>
<td>4.8 m</td>
<td>3.2 m</td>
<td>4.9 m</td>
</tr>
</tbody>
</table>

Note: Some dimensions in Table 2 vary from those shown in the Australian Standard AS2890.1-2004 (off street). The dimensions shown in Table 2 allocate more space to aisle widths and less to marked spaces to provide improved operation and access. The dimensions in Table 2 are to be used in preference to the Australian Standard AS2890.1-2004 (off street) except for disabled spaces which must achieve Australian Standard AS2890.6-2009 (disabled).

A wall, fence, column, tree, tree guard or any other structure that abuts a car space must not encroach into the area marked ‘clearance required’ on Diagram 1, other than:

- A column, tree or tree guard, which may project into a space if it is within the area marked ‘tree or column permitted’ on Diagram 1.
- A structure, which may project into the space if it is at least 2.1 metres above the space.

Diagram 1 Clearance to car parking spaces

Car spaces in garages or carports must be at least 6 metres long and 3.5 metres wide for a single space and 5.5 metres wide for a double space measured inside the garage or carport.

Where parking spaces are provided in tandem (one space behind the other) an additional 500mm in length must be provided between each space.

Disabled car parking spaces must be designed in accordance with Australian Standard AS2890.6-2009 (disabled) and the Building Code of Australia. Disabled carparking spaces may encroach into an accessway width specified in Table 2 by 500mm.
Gradients

Accessway grades must not be steeper than 1:10 (10 percent) within 5 metres of the frontage to ensure safety for pedestrians and vehicles. The design must have regard to the wheel base of the vehicle being designed for; pedestrian and vehicular traffic volumes; the nature of the carpark; and the slope and configuration of the vehicle crossover at the site frontage. This does not apply to accessways serving three dwellings or less.

Ramps (except within 5 metres of the frontage) must have the maximum grades as outlined in Table 3 and be designed for vehicles travelling in a forward direction.

Table 3: Ramp gradients

<table>
<thead>
<tr>
<th>Type of car park</th>
<th>Length of ramp</th>
<th>Maximum grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public car parks</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20 metres or less</td>
<td>1:5 (20%)</td>
</tr>
<tr>
<td></td>
<td>longer than 20</td>
<td>1:6 (16.7%)</td>
</tr>
<tr>
<td></td>
<td>metres</td>
<td></td>
</tr>
<tr>
<td>Private or residential car parks</td>
<td>20 metres or less</td>
<td>1:4 (25%)</td>
</tr>
<tr>
<td></td>
<td>longer than 20</td>
<td>1:5 (20%)</td>
</tr>
<tr>
<td></td>
<td>metres</td>
<td></td>
</tr>
</tbody>
</table>

Where the difference in grade between two sections of ramp or floor is greater that 1:8 (12.5 per cent) for a summit grade change, or greater than 1:6.7 (15 percent) for a sag grade change, the ramp must include a transition section of at least 2 metres to prevent vehicles scraping or bottoming.

Plans must include an assessment of grade changes of greater than 1:5.6 (18 percent) or less than 3 metres apart for clearances, to the satisfaction of the responsible authority.

Mechanical parking

Mechanical parking may be used to meet the carparking requirement provided:

- At least 25 percent of the mechanical carparking spaces can accommodate a vehicle height of at least1.8 metres.
- Carparking spaces that require the operation of the system are not allocated to visitors unless used in a valet parking situation.
- The design and operation is to the satisfaction of the responsible authority.

Urban design

Ground level carparking, garage doors and accessways must not visually dominate public space. Carparking within buildings (including visible portions of partly submerged basements) must be screened or obscured where possible, including through the use of occupied tenancies, landscaping, architectural treatments and art works.

Design of carparks must take into account their use as entry points to the site.

Design of new internal streets in developments must maximise on street parking opportunities.

Safety

Car parking must be well lit and clearly signed.

The design of carparks must maximise natural surveillance and pedestrian visibility from adjacent buildings.
Pedestrian access to carparking areas from the street must be convenient. Pedestrian routes through car parking areas and building entries and other destination points must be clearly marked and separated from traffic in high activity parking areas.

**Landscaping**

The layout of car parking areas must provide for water sensitive urban design treatment and landscaping.

Landscaping and trees must be planted to provide shade and shelter, soften the appearance of ground level car parking and aid in the clear identification of pedestrian paths.

Ground level carparking spaces must include trees planted with flush grilles. Spacing of trees must be determined having regard to the expected size of the selected species at maturity.

**53.20-6.10 Side and rear setbacks**

A new building not on or within 200mm of a boundary to a residential zone should be set back from side or rear boundaries 1 metre, plus 0.3 metres for every metre of height over 3.6 metres up to 6.9 metres, plus 1 metre for every metre of height over 6.9 metres. Diagram 2 details the standard.

Sunblinds, verandahs, porches, eaves, fascias, gutters, masonry chimneys, flues, pipes, domestic fuel or water tanks, and heating or cooling equipment or other services may encroach not more than 0.5 metres into the setbacks of this standard.

Landings having an area of not more than 2 square metres and less than 1 metre high, stairways, ramps, pergolas, shade sails and carports may encroach into the setbacks of this standard.
53.20-6.11 Walls on boundaries

A new wall constructed on or within 200mm of a side or rear boundary of a lot or a carport constructed on or within 1 metre of a side or rear boundary of lot should not abut the boundary for a length of more than:

- 10 metres plus 25 per cent of the remaining length of the boundary of an adjoining lot, or
- Where there are existing or simultaneously constructed walls or carports abutting the boundary on an abutting lot, the length of the existing or simultaneously constructed walls or carports whichever is the greater.

A new wall or carport may fully abut a side or rear boundary where slope and retaining walls or fences would result in the effective height of the wall or carport being less than 2 metres on the abutting property boundary.

A building on a boundary includes a building set back up to 200mm from a boundary.

The height of a new wall constructed on or within 200mm of a side or rear boundary or a carport constructed on or within 1 metre of a side or rear boundary should not exceed an average of 3.2 metres with no part higher than 3.6 metres unless abutting a higher existing or simultaneously constructed wall.
53.20-6.12 **Daylight to existing windows**

Buildings opposite an existing habitable room window should provide for a light court to the existing window that has a minimum area of 3 square metres and minimum dimension of 1 metre clear to the sky. The calculation of the area may include land on the abutting lot.

Walls or carports more than 3 metres in height opposite an existing habitable room window should be set back from the window at least 50 per cent of the height of the new wall if the wall is within a 55 degree arc from the centre of the existing window. The arc may be swung to within 35 degrees of the plane of the wall containing the existing window.

Where the existing window is above ground floor level, the wall height is measured from the floor level of the room containing the window.

Diagram 3 Daylight to existing windows

![Diagram 3](image)

53.20-6.13 **North-facing windows**

If a north-facing habitable room window of an existing dwelling is within 3 metres of a boundary on an abutting lot, a building should be setback from the boundary 1 metre, plus 0.6 metres for every metre of height over 3.6 metres up to 6.9 metres, plus 1 metre for every metre of height over 6.9 metres, for a distance of 3 metres from the edge of each side of the window. A north-facing window is a window with an axis perpendicular to its surface oriented north 20 degrees west to north 30 degrees east.
Diagram 4 North-facing windows

53.20-6.14 Overshadowing open space

Where sunlight to the secluded private open space of an existing dwelling is reduced, at least 75 per cent, or 40 square metres with minimum dimension of 3 metres, whichever is the lesser area, of the secluded private open space should receive a minimum of five hours of sunlight between 9 am and 3 pm on 22 September.

If existing sunlight to the secluded private open space of an existing dwelling is less than the requirements of this standard, the amount of sunlight should not be further reduced.

53.20-6.15 Overlooking

A habitable room window, balcony, terrace, deck or patio should be located and designed to avoid direct views into the secluded private open space of an existing dwelling within a horizontal distance of 9 metres (measured at ground level) of the window, balcony, terrace, deck or patio. Views should be measured within a 45 degree angle from the plane of the window or perimeter of the balcony, terrace, deck or patio, and from a height of 1.7 metres above floor level.

A habitable room window, balcony, terrace, deck or patio with a direct view into a habitable room window of existing dwelling within a horizontal distance of 9 metres (measured at ground level) of the window, balcony, terrace, deck or patio should be either:

- Offset a minimum of 1.5 metres from the edge of one window to the edge of the other.
- Have sill heights of at least 1.7 metres above floor level.
- Have fixed, obscure glazing in any part of the window below 1.7 metre above floor level.
- Have permanently fixed external screens to at least 1.7 metres above floor level and be no more than 25 per cent transparent.

Obscure glazing in any part of the window below 1.7 metres above floor level may be openable provided that there are no direct views as specified in this standard.

Screens used to obscure a view should be:
- Perforated panels or trellis with a maximum of 25 per cent openings or solid translucent panels.
- Permanent, fixed and durable.
- Designed and coloured to blend in with the development.

This standard does not apply to a new habitable room window, balcony, terrace, deck or patio which faces a property boundary where there is a visual barrier at least 1.8 metres high and the floor level of the habitable room, balcony, terrace, deck or patio is less than 0.8 metres above ground level at the boundary.

Diagram 5 Overlooking open space

53.20-6.16 Noise impacts

Noise sources, such as mechanical plant, should not be located near bedrooms of immediately adjacent existing dwellings.

Noise sensitive rooms and secluded private open spaces of new dwellings and residential buildings should take account of noise sources on immediately adjacent properties.

Dwellings and residential buildings close to busy roads, railway lines or industry should be designed to limit noise levels in habitable rooms.

53.20-6.17 Daylight to new windows

A window in a habitable room should be located to face:
- An outdoor space clear to the sky or a light court with a minimum area of 3 square metres and minimum dimension of 1 metre clear to the sky, not including land on an abutting lot, or
- A verandah provided it is open for at least one third of its perimeter, or
- A carport provided it has two or more open sides and is open for at least one third of its perimeter.
53.20-6.18 Private open space

A dwelling (other than an apartment) should have private open space consisting of:

- An area of secluded private open space with a minimum area of 25 square metres, a minimum dimension of 3 metres and convenient access from a living room; or
- A balcony of 8 square metres with a minimum width of 1.6 metres and convenient access from a living room; or
- A roof-top area of 10 square metres with a minimum width of 2 metres and convenient access from a living room.

Secluded private open space may be located in the front setback if it is no more than 30% of the street frontage.

53.20-6.19 Solar access to open space

The private open space should be located on the north side of the dwelling if appropriate.

The southern boundary of secluded private open space should be set back from any wall on the north of the space at least \((2 + 0.9h)\) metres, where ‘h’ is the height of the wall.

Diagram 6 Solar access to open space

53.20-6.20 Storage

Each dwelling should have convenient access to at least 6 cubic metres of externally accessible, secure storage space.

53.20-6.21 Front fence

A front fence within 3 metres of a street should not exceed a maximum height of:

- 2 metres for streets in a Road Zone, Category 1.
- 1.5 metres in other streets or where secluded private open space is proposed within the front setback, the front fence may reach a height of up to 1.8 metres for not more than 30% of the length of the boundary.
53.20-6.22  **Common property**

Developments should clearly delineate public, communal and private areas.
Common property, where provided, should be functional and capable of efficient management.

53.20-6.23  **Site services**

The design and layout of dwellings should provide sufficient space (including easements where required) and facilities for services to be installed and maintained efficiently and economically.
Bin and recycling enclosures, mailboxes and other site facilities should be adequate in size, durable, waterproof and blend in with the development.
Bin and recycling enclosures should be located for convenient access by residents.
Mailboxes should be provided and located for convenient access as required by Australia Post.

53.20-7  **Development standards for apartments**

53.20-7.1  **Energy efficiency**

Buildings should be:

- Oriented to make appropriate use of solar energy.
- Sited and designed to ensure that the energy efficiency of existing dwellings on adjoining lots is not unreasonably reduced.
- Sited and designed to ensure that the performance of existing rooftop solar energy systems on dwellings on adjoining lots in a General Residential Zone, Neighbourhood Residential Zone or Township Zone are not unreasonably reduced. The existing rooftop solar energy system must exist at the date the application is lodged.

Living areas and private open space should be located on the north side of the development, if practicable.
Developments should be designed so that solar access to north-facing windows is optimised.
Dwellings located in a climate zone identified in Table 4 should not exceed the maximum NatHERS annual cooling load.

**Table 4 Cooling load**

<table>
<thead>
<tr>
<th>NatHERS climate zone</th>
<th>NatHERS maximum cooling load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Climate zone 21 Melbourne</td>
<td>30</td>
</tr>
<tr>
<td>Climate zone 22 East Sale</td>
<td>22</td>
</tr>
<tr>
<td>Climate zone 27 Mildura</td>
<td>69</td>
</tr>
<tr>
<td>Climate zone 60 Tullamarine</td>
<td>22</td>
</tr>
<tr>
<td>Climate zone 62 Moorabbin</td>
<td>21</td>
</tr>
<tr>
<td>Climate zone 63 Warnambool</td>
<td>21</td>
</tr>
<tr>
<td>Climate zone 64 Cape Otway</td>
<td>19</td>
</tr>
</tbody>
</table>
NatHERS climate zone | NatHERS maximum cooling load
--- | ---
Climate zone 66 Ballarat | 23

**Note:** Refer to NatHERS zone map, Nationwide House Energy Rating Scheme (Commonwealth Department of Environment and Energy).

### 53.20-7.2 Communal open space

Developments with 40 or more dwellings should provide a minimum area of communal open space of 2.5 square metres per dwelling or 250 square metres, whichever is lesser.

Communal open space should:

- Be located to:
  - Provide passive surveillance opportunities, where appropriate.
  - Provide outlook for as many dwellings as practicable.
  - Avoid overlooking into habitable rooms and private open space of new dwellings.
  - Minimise noise impacts to new and existing dwellings.

- Be designed to protect any natural features on the site.

- Maximise landscaping opportunities.

- Be accessible, useable and capable of efficient management.

### 53.20-7.3 Solar access to communal outdoor open space

The communal outdoor open space should be located on the north side of a building, if appropriate. At least 50 per cent or 125 square metres, whichever is the lesser, of the primary communal outdoor open space should receive a minimum of two hours of sunlight between 9am and 3pm on 21 June.

### 53.20-7.4 Deep soil areas and canopy trees

The landscape layout and design should:

- Be responsive to the site context.

- Consider landscaping opportunities to reduce heat absorption such as green walls, green roofs and roof top gardens and improve on-site storm water infiltration.

- Maximise deep soil areas for planting of canopy trees.

- Integrate planting and water management.

Developments should provide the deep soil areas and canopy trees specified in the Table 5. If the development cannot provide the deep soil areas and canopy trees specified in Table 5 an equivalent canopy cover should be achieved by providing either:

- Canopy trees or climbers (over a pergola) with planter pits sized appropriately for the mature tree soil volume requirements.

- Vegetated planters, green roofs or green facades.
Table 5 Deep soil areas and canopy trees

<table>
<thead>
<tr>
<th>Site area</th>
<th>Deep soil areas</th>
<th>Minimum tree provision</th>
</tr>
</thead>
<tbody>
<tr>
<td>750 - 1000 square metres</td>
<td>5% of site area (minimum dimension of 3 metres)</td>
<td>1 small tree (6-8 metres) per 30 square metres of deep soil</td>
</tr>
<tr>
<td>1001 - 1500 square metres</td>
<td>7.5% of site area (minimum dimension of 3 metres)</td>
<td>1 medium tree (8-12 metres) per 50 square metres of deep soil or 1 large tree per 90 square metres of deep soil</td>
</tr>
<tr>
<td>1501 - 2500 square metres</td>
<td>10% of site area (minimum dimension of 6 metres)</td>
<td>1 large tree (at least 12 metres) per 90 square metres of deep soil or 2 medium trees per 90 square metres of deep soil</td>
</tr>
<tr>
<td>&gt;2500 square metres</td>
<td>15% of site area (minimum dimension of 6 metres)</td>
<td>1 large tree (at least 12 metres) per 90 square metres of deep soil or 2 medium trees per 90 square metres of deep soil</td>
</tr>
</tbody>
</table>

Note: Where an existing canopy tree over 8 metres can be retained on a lot greater than 1000 square metres without damage during the construction period, the minimum deep soil requirement is 7% of the site area.

53.20-7.5 Integrated water and stormwater management

Buildings should be connected to a non-potable dual pipe reticulated water supply, where available from the water authority.

The stormwater management system should be:

- Designed to meet the current best practice performance objectives for stormwater quality as contained in the *Urban Stormwater - Best Practice Environmental Management Guidelines* (Victorian Stormwater Committee, 1999).

- Designed to maximise infiltration of stormwater, water and drainage of residual flows into permeable surfaces, tree pits and treatment areas.

53.20-7.6 Building setback

The built form of the development should respect the existing urban context and respond to the features of the site.

Buildings should be set back from side and rear boundaries, and other buildings within the site to:

- Ensure adequate daylight into new habitable room windows.

- Avoid direct views into habitable room windows and private open space of new and existing dwellings. Developments should avoid relying on screening to reduce views.

- Provide an outlook from dwellings that creates a reasonable visual connection to the external environment.
53.20-7.7 Noise impacts

Noise sources, such as mechanical plants, should not be located near bedrooms of immediately adjacent existing dwellings.

The layout of new dwellings and buildings should minimise noise transmission within the site.

Noise sensitive rooms (such as living areas and bedrooms) should be located to avoid noise impacts from mechanical plants, lifts, building services, non-residential uses, car parking, communal areas and other dwellings.

New dwellings should be designed and constructed to include acoustic attenuation measures to reduce noise levels from off-site noise sources.

Buildings within a noise influence area specified in Table 6 should be designed and constructed to achieve the following noise levels:

- Not greater than 35dB(A) for bedrooms, assessed as an LAeq,8h from 10pm to 6am.
- Not greater than 40dB(A) for living areas, assessed LAeq,16h from 6am to 10pm.

Buildings, or part of a building screened from a noise source by an existing solid structure, or the natural topography of the land, do not need to meet the specified noise level requirements.

Noise levels should be assessed in unfurnished rooms with a finished floor and the windows closed.

Table 6 Noise influence area

<table>
<thead>
<tr>
<th>Noise Source</th>
<th>Noise influence area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone interface</td>
<td></td>
</tr>
<tr>
<td>Industry</td>
<td>300 metres from the Industrial 1, 2 and 3 zone boundary</td>
</tr>
<tr>
<td>Roads</td>
<td></td>
</tr>
<tr>
<td>Freeways, tollways and other roads carrying 40,000 Annual Average Daily Traffic Volume</td>
<td>300 metres from the nearest trafficable lane</td>
</tr>
<tr>
<td>Railways</td>
<td></td>
</tr>
<tr>
<td>Railway servicing passengers in Victoria</td>
<td>80 metres from the centre of the nearest track</td>
</tr>
<tr>
<td>Railway servicing freight outside Metropolitan Melbourne</td>
<td>80 metres from the centre of the nearest track</td>
</tr>
<tr>
<td>Railway servicing freight in Metropolitan Melbourne</td>
<td>135 metres from the centre of the nearest track</td>
</tr>
</tbody>
</table>

Note: The noise influence area should be measured from the closest part of the building to the noise source.

53.20-7.8 Accessibility

At least 50 per cent of dwellings should have:

- A clear opening width of at least 850mm at the entrance to the dwelling and main bedroom.
- A clear path with a minimum width of 1.2 metres that connects the dwelling entrance to the main bedroom, an adaptable bathroom and the living area.
- A main bedroom with access to an adaptable bathroom.
- At least one adaptable bathroom that meets all of the requirements of either Design A or Design B specified in Table 7.

**Table 7 Bathroom design**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Design option A</th>
<th>Design option B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door opening</td>
<td>A clear 850mm wide door opening.</td>
<td>A clear 820mm wide door opening located opposite the shower</td>
</tr>
<tr>
<td>Door design</td>
<td>Either: A slide door, or A door that opens outwards, or A door that opens inwards and has readily removable hinges.</td>
<td>Either: A slide door, or A door that opens outwards, or A door that opens inwards and has readily removable hinges.</td>
</tr>
<tr>
<td>Circulation area</td>
<td>A clear circulation area that is: A minimum area of 1.2 metres by 1.2 metres.</td>
<td>A clear circulation area that is: A minimum width of 1 metre.</td>
</tr>
<tr>
<td></td>
<td>Located in front of the shower and the toilet.</td>
<td>The full length of the bathroom and a minimum length of 2.7 metres.</td>
</tr>
<tr>
<td></td>
<td>Clear of the toilet, basin and the door swing.</td>
<td>Clear of the toilet and basin.</td>
</tr>
<tr>
<td></td>
<td>The circulation area for the toilet and shower can overlap.</td>
<td>The circulation area can include a shower area.</td>
</tr>
<tr>
<td>Path to circulation area</td>
<td>A clear path with a minimum width of 900mm from the door opening to the circulation area.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Shower</td>
<td>A hobless (step-free) shower.</td>
<td>A hobless (step-free) shower that has a removable shower screen and is located on the furthest wall from the door opening.</td>
</tr>
<tr>
<td>Toilet</td>
<td>A toilet located in the corner of the room.</td>
<td>A toilet located closest to the door opening and clear of the circulation area.</td>
</tr>
</tbody>
</table>

**53.20-7.9 Building entry and circulation**

Entries to dwellings and buildings should:
- Be visible and easily identifiable.
- Provide shelter, a sense of personal address and a transitional space around the entry.

The layout and design of buildings should:
- Clearly distinguish entrances to residential and non-residential areas.
- Provide windows to building entrances and lift areas.
- Provide visible, safe and attractive stairs from the entry level to encourage use by residents.
- Provide common areas and corridors that:
  - Include at least one source of natural light and natural ventilation.
  - Avoid obstruction from building services.
  - Maintain clear sight lines.

**53.20-7.10 Private open space**

A dwelling should have private open space consisting of:

- An area of 25 square metres, with a minimum dimension of 3 metres at natural ground floor level and convenient access from a living room, or
- An area of 15 square metres, with a minimum dimension of 3 metres at a podium or other similar base and convenient access from a living room, or
- A balcony with an area and dimensions specified in Table 8 and convenient access from a living room, or
- A roof-top area of 10 square metres with a minimum dimension of 2 metres and convenient access from a living room.

If a cooling or heating unit is located on a balcony, the balcony should provide an additional area of 1.5 square metres.

**Table 8 Balcony size**

<table>
<thead>
<tr>
<th>Dwelling type</th>
<th>Minimum area</th>
<th>Minimum dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio or 1 bedroom dwelling</td>
<td>8 square metres</td>
<td>1.8 metres</td>
</tr>
<tr>
<td>2 bedroom dwelling</td>
<td>8 square metres</td>
<td>2 metres</td>
</tr>
<tr>
<td>3 or more bedroom dwelling</td>
<td>12 square metres</td>
<td>2.4 metres</td>
</tr>
</tbody>
</table>

**53.20-7.11 Storage**

Each dwelling should have convenient access to usable and secure storage space.

The total minimum storage space (including kitchen, bathroom and bedroom storage) should meet the requirements specified in Table 9.

**Table 9 Storage**

<table>
<thead>
<tr>
<th>Dwelling type</th>
<th>Total minimum storage volume</th>
<th>Minimum storage volume within the dwelling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio</td>
<td>8 cubic metres</td>
<td>5 cubic metres</td>
</tr>
<tr>
<td>1 bedroom dwelling</td>
<td>10 cubic metres</td>
<td>6 cubic metres</td>
</tr>
<tr>
<td>2 bedroom dwelling</td>
<td>14 cubic metres</td>
<td>9 cubic metres</td>
</tr>
<tr>
<td>3 or more bedroom dwelling</td>
<td>18 cubic metres</td>
<td>12 cubic metres</td>
</tr>
</tbody>
</table>
53.20-7.12 Waste and recycling

Developments should include dedicated areas for:

- Waste and recycling enclosures which are:
  - Adequate in size, durable, waterproof and blend in with the development.
  - Adequately ventilated.
  - Located and designed for convenient access by residents and made easily accessible to people with limited mobility.

- Adequate facilities for bin washing. These areas should be adequately ventilated.

- Collection, separation and storage of waste and recyclables, including where appropriate opportunities for on-site management of food waste through composting or other waste recovery as appropriate.

- Collection, storage and reuse of garden waste, including opportunities for on-site treatment, where appropriate, or off-site removal for reprocessing.

- Adequate circulation to allow waste and recycling collection vehicles to enter and leave the site without reversing.

- Adequate internal storage space within each dwelling to enable the separation of waste, recyclables and food waste where appropriate.

Waste and recycling management facilities should be designed and managed in accordance with a Waste Management Plan approved by the responsible authority and:

- Be designed to meet the better practice design options specified in Waste Management and Recycling in Multi-unit Developments (Sustainability Victoria, 2019).

- Protect public health and amenity of residents and adjoining premises from the impacts of odour, noise and hazards associated with waste collection vehicle movements.

53.20-7.13 Functional layout

Bedrooms should:

- Meet the minimum internal room dimensions specified in Table 10.

- Provide an area in addition to the minimum internal room dimensions to accommodate a wardrobe.

Table 10 Bedroom dimensions

<table>
<thead>
<tr>
<th>Bedroom type</th>
<th>Minimum width</th>
<th>Minimum depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main bedroom</td>
<td>3 metres</td>
<td>3.4 metres</td>
</tr>
<tr>
<td>All other bedrooms</td>
<td>3 metres</td>
<td>3 metres</td>
</tr>
</tbody>
</table>

Living areas (excluding dining and kitchen areas) should meet the minimum internal room dimensions specified in Table 11.

Table 11 Living area dimensions

<table>
<thead>
<tr>
<th>Dwelling type</th>
<th>Minimum width</th>
<th>Minimum area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio and 1 bedroom dwelling</td>
<td>3.3 metres</td>
<td>10 sqm</td>
</tr>
</tbody>
</table>
53.20-7.14  Room depth

Single aspect habitable rooms should not exceed a room depth of 2.5 times the ceiling height.

The depth of a single aspect, open plan, habitable room may be increased to 9 metres if all the following requirements are met:

- The room combines the living area, dining area and kitchen.
- The kitchen is located furthest from the window.
- The ceiling height is at least 2.7 metres measured from finished floor level to finished ceiling level. This excludes where services are provided above the kitchen.

The room depth should be measured from the external surface of the habitable room window to the rear wall of the room.

53.20-7.15  Windows

Habitable rooms should have a window in an external wall of the building.

A window may provide daylight to a bedroom from a smaller secondary area within the bedroom where the window is clear to the sky. The secondary area should be:

- A minimum width of 1.2 metres.
- A maximum depth of 1.5 times the width, measured from the external surface of the window.

53.20-7.16  Natural ventilation

The design and layout of dwellings should maximise openable windows, doors or other ventilation devices in external walls of the building, where appropriate.

At least 40 per cent of dwellings should provide effective cross ventilation that has:

- A maximum breeze path through the dwelling of 18 metres.
- A minimum breeze path through the dwelling of 5 metres.
- Ventilation openings with approximately the same area.

The breeze path is measured between the ventilation openings on different orientations of the dwelling.

53.20-7.17  Integration with the street

Developments should provide adequate vehicle and pedestrian links that maintain or enhance local accessibility.

Development should be oriented to front existing and proposed streets.

High fencing in front of dwellings should be avoided if practicable.

Development next to existing public open space should be laid out to complement the open space.

53.20-8  Decision guidelines

Before deciding on an application, the responsible authority must consider, as appropriate:
- How the proposed development responds to the site and context description.
- Where a development standard of this clause is not met, the impact on the amenity of the adjoining dwellings of varying the standard.
- The effect of overshadowing on an appropriately located existing rooftop solar energy system on an adjoining lot.