

3. TOWN CENTRE DESIGN GUIDELINES

Specific guidelines have been developed for the Town Centre with the focus on protecting, conserving and enhancing the heritage character and urban amenity values of this character area. This area is more sensitive than others and requires more detailed guidance.

3.1 CONSERVE HERITAGE CHARACTER

The Town Centre's heritage character is derived from the complex inter-relationships of the buildings, the street, the spaces and the vegetation. The individual elements support each other and are dependent on each other. This historic character is also dependent on the Town Centre's setting; the avenue, the river environs and the old residential area on the terrace faces above and to the southwest of the town. The entire town and its setting, therefore, need to be considered as an entity when any type of change is proposed within either area.



Photo taken at the western end of the Town Centre, from Berkshire Street.



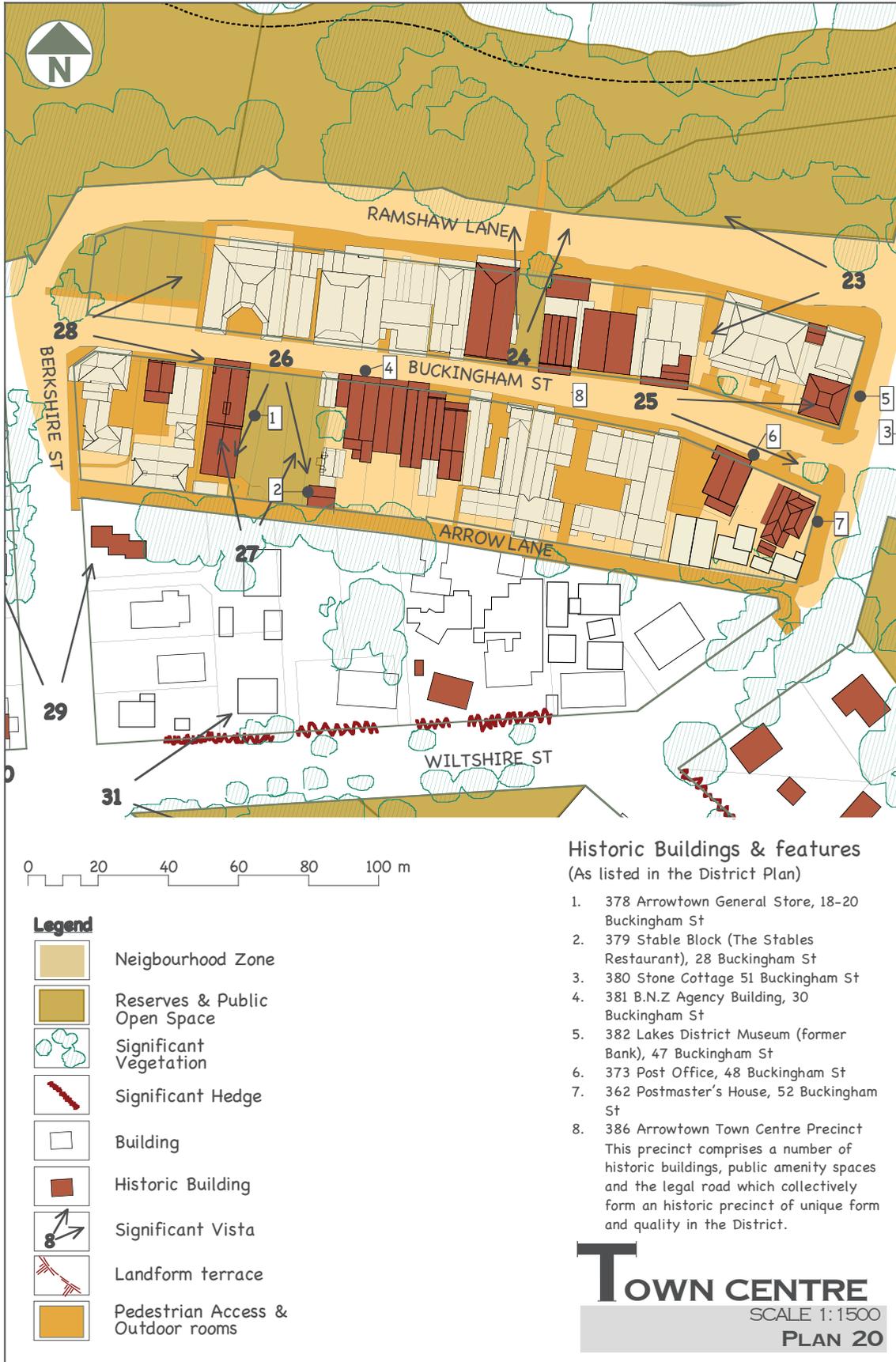
Main Street looking east along Buckingham Street.



Main Street looking northeast along Buckingham Street.



Post Office located at the Northeastern end of Town Centre, Buckingham Street.



3.1.1 CHARACTER

Important aspects and relationships that generate the historic character for the Town Centre include those outlined below. It is not intended to provide a complete list here, but rather to demonstrate the integrated approach that is important to historic character protection and management.

- a) The intimate and tightly bound assemblage of buildings, streets and open spaces confined within two blocks. The confined nature of the town is a very important aspect of the town's heritage character.
- b) The main street, narrow along most of its length, changing direction and widening at its eastern end.
- c) The small-scale historic buildings, the false fronted shops (predominantly) or the shed type, coming to the main street edge.
- d) Buildings set further back and more open space where the main street widens. Commercial buildings mixed with residential.
- e) The relationship of the different types of buildings to the lot boundaries, the main street, the lanes, the courtyards and open space.
- f) The traditional nature of the lanes, including the types of buildings and their presentation to the lanes. The different characteristics of Ramshaw and Arrow lane.
- g) The features and detail of the historic buildings, traditional fences, walls, street treatment (paving, lighting) and planting styles in relation to place. E.g., the design and style differs for the lanes and the main street.
- h) The relationship of the Town Centre to its context; the river environs, the avenue, the old residential areas on the terrace face to the south and southwest of the town.
- i) The vegetation within the Town Centre and adjacent areas that contributes to the character and amenity of the town. The relationship and characteristics of neighbouring areas are important to the character of the town and vice versa.
- j) Views and vistas
- k) The low key, the simple, the sense of timelessness and the accrued patina on the fabric of elements.

Heritage character is fragile. Loss or change in relation to any aspects that contribute to character however small, can impact on historic character. Similarly, inappropriate new buildings / alterations or other works such as paving, street furniture or planting can severely diminish historic character and historic integrity. Proposed change (including maintenance and upgrades), must therefore be preceded by very careful analysis and consideration.

There are essential principles that must be applied when evaluating change and new work to ensure protection and conservation of the Town Centre's heritage values – these are listed in the Guidelines for character protection and conservation.



Buckingham Green and Pritchards Store.



Patina acquired with age.



Post Masters Restaurant, with new development to the rear of Post Office, located at the Northeastern end of Town Centre, Buckingham Street demonstrates the tightly bound nature of buildings and open spaces within the Town Centre.



Looking west along Buckingham Street, showing the small-scale of historic buildings and examples of false fronted shops.

3.1.2 GUIDELINES: CHARACTER PROTECTION AND CONSERVATION

3.1.2.1 Developments must conserve the historic character of the precinct in relation to all aspects.

3.1.2.2 Apply the following essential principles for the analysis and evaluation of change / new work to protect and conserve heritage character. This is fundamental to good design solutions for Arrowtown.

- a) Understand the key principles for Arrowtown and in particular the Arrowtown story and apply to design work.
- b) Consider the Town Centre and its setting as an entity and assess effects in relation to this entity.
- c) Understand the aspects and relationships that generate historic character and respect in new development / alterations to existing buildings.
- d) Conserve historic character by retaining and enhancing the historic elements (historic sites, buildings, open space and other features) within the precinct and its setting.
- e) Assess and do not compromise the collective contribution of elements and features to site, streetscape, adjacent features and precinct. Heritage character is mostly derived from the collective value of historic features. Placing emphasis on individual items / features inevitably leads to loss of heritage value within a precinct.
- f) Assess all features for their contribution to historic character irrespective of whether or not they are listed in the District Plan.
- g) Retain the characteristics of adjacent areas that contribute to the historic character of the Town Centre.
- h) Developments in adjacent areas must not compromise the character of the Town Centre and vice versa.
- i) Do not allow the commercial Town Centre to expand beyond its current boundaries.
- j) Conservation management plans should be prepared for historic sites, buildings and features. A Conservation management Plan will provide appropriate guidance for the conservation and management of historic sites and buildings individually or collectively.



Looking towards Arrow Lane from Buckingham Street, showing the relationship between buildings fronting Buckingham Street, with large scale building to rear and importance of pedestrian access within and through buildings.



Looking north along Arrow Lane, showing the relationship between lane and buildings, with buildings typically erected hard up against lot boundaries.



Hedging and established trees located within Marshall Park located at the western end of Buckingham Street create an important sense of place and amenity.

3.2 APPLY BEST PRACTICE HERITAGE CONSERVATION

The Town Centre is also a heritage precinct in the Proposed District Plan and the principles of heritage conservation should guide all change and intervention. Best conservation practice is described in the ICOMOS New Zealand Charter for the Conservation of Places of Cultural Heritage Value. The conservation of historic sites, buildings, features and open spaces should be in accordance with this Charter.

3.2.1 GUIDELINES: HERITAGE CONSERVATION

3.2.1.1 All development decisions must be in accordance with best practice heritage conservation principles.

3.2.1.2 Follow the principles of the ICOMOS New Zealand Charter (2010).

- a) All projects within the precinct and its setting for buildings, street works, paving, planting – should protect historic character and heritage values.
- b) Change must be managed so that the historic relationship between features / structures is not lost.
- c) Conservation requires the least possible intervention with a site.
- d) Choose an appropriate conservation method, i.e., preservation, restoration, reconstruction or adaptation.
- e) Heritage conservation is a specialist field and qualified experts should be used to provide guidance.
- f) New works should protect the historic value of the site, vicinity and wider context.
- g) New work should be identifiably of the era of its construction while respecting the context.
- h) Historic vegetation should be retained and replanted when diseased or at the end of its life. Lost or missing heritage vegetation should also be replanted. Replace with the same species.



Pleasant combination of wall, window and vegetation.



The collective contribution of heritage features – building, vegetation, stone walls.



Tall mature trees, simple fence, historic cottage.

3.3 VIEWS AND VISTAS

Views and view corridors to the mountains, river environs and the old residential town provide a very important contribution to the unique character and setting of Arrowtown's Town Centre. These views between buildings or from public open spaces, streets and lanes need to be respected. Key Arrowtown views have been identified within Plan 3 to this guidance, however all views in relation to a development need to be assessed as others may also be important.

3.3.1 GUIDELINES: VIEWS AND VISTAS

3.3.1.1 Preserve key views and vistas to the enclosing hills, the Arrow River, historic buildings and features.

3.3.1.2 Assess all views in relation to a development.

a) Position new buildings or additions, new plantings, and other new works, to preserve key and other important views and view corridors.



Main Street looking west along Buckingham Street, with dominance of hills forming background to the Town Centre.



Retain view shafts to enclosing hills.



Views east to Crown Terrace face.

3.4 STREETScape

The streetscape is derived mainly from; the buildings, treatment of the street, public space and private space, the paving surface, plantings and street furniture.

The character of Buckingham Street and the Lanes differs due to function and location. Therefore, different guidelines apply.

3.4.1 BUCKINGHAM STREET

Along most of its length Buckingham Street is straight and relatively narrow predominantly flanked by buildings interspersed with a number of courtyards. At its eastern end there is a change in direction and the street fans out to intersect with Wiltshire Street and the Avenue. The buildings along this wider section are traditionally set further back from the street creating a more spacious streetscape.

On both sides of the street the footpaths are narrow, frequently spanned and contained by shopfront verandas.

3.4.2 THE LANES

Traditionally Arrow Lane and Ramshaw Lane were the back yards and service areas to the Buckingham street shops and main street activities and accommodated the more industrial type town services. The Lanes therefore had a simple, basic 'working' character.

In terms of the historic character and integrity of Arrowtown the character of the lanes is very important and care needs to be taken to retain what remains of this backyard character.

To a significant extent this character has been lost from Ramshaw lane. Arrow lane still retains much of its backyard character.

3.4.3 RAMSHAW LANE

Ramshaw lane is north facing, sunny and faces the river. Willows line much of the interface between the river and Ramshaw Lane providing demarcation and a soft edge between the Town Centre and the river environs. They also form a backdrop to the car parking area serving to lessen its visual impact.

The traditional service lane character has been in part replaced with shops and business. Footpaths and pedestrian areas are wider than on Buckingham Street with more opportunity for street activities – outdoor café seating.

3.4.4 ARROW LANE

Arrow Lane, to the south of Buckingham Street, is narrow without a footpath and primarily functions as a service lane and pedestrian way. This Lane is well concealed between the town and the base of the terrace. A different perspective of the Town Centre is obtained from the Lane, which provides insight into the original structure of the Town Centre.



Post Masters Restaurant, with new development to the rear of Post Office, located at the northeastern end of Town Centre, Buckingham Street demonstrates the set back of buildings and integration of open space as Buckingham Street widens.



Western end of Buckingham Street showing the narrow nature of footpaths, verandas and positioning of buildings against front road boundary.



Arrow Lane, building (left) intrudes on the lane.



Ramshaw Lane looking east.

The Lane has a distinctive and different character derived from the backside of buildings including sheds and lean-tos. The small scale retaining walls and vegetation are distinctive features. Vegetation bordering the lane includes sycamore, oak, hazelnut and periwinkle and has an overgrown, timeless, untended quality.

3.4.5 GUIDELINES: THE LANES AND BUCKINGHAM STREET

3.4.5.1 Protect the individual and distinctive character and charm of the Buckingham Street, Ramshaw and Arrow Lanes.

3.4.5.2 Retain the simple 'working and service' character of Arrow Lane.

- a) Protect the change in direction and width of Buckingham Street. Do not visually obscure this change with new development.
- b) Where buildings in Buckingham Street were originally set back from the edge of the street, retain this space. Encourage seating, especially in the sun, however avoid over use of this public space by commercial activities.
- c) On Ramshaw lane, continue the pattern of building setbacks for new development to provide outdoor connections with the street.
- d) Do not allow vehicle dominance in Arrow Lane and encourage pedestrian thoroughfare.
- e) Protect the simple backyard 'working' character of Arrow Lane.
- f) Protect and enhance the trees on the terrace face above Arrow Lane. This vegetation is an important part of the character of the lane and the Town Centre Precinct.
- g) Lighting will be required in Arrow Lane. The style of lighting and level of light must fit the lane's character.
- h) Protect the willow trees immediately to the north of Ramshaw Lane.
- i) Underground the power lines to allow greater appreciation of the historic features and buildings.
- j) Guidance for Buildings adjoining lanes is set out at section 3.19 of this Guidance as this relates to 'The Shed'.



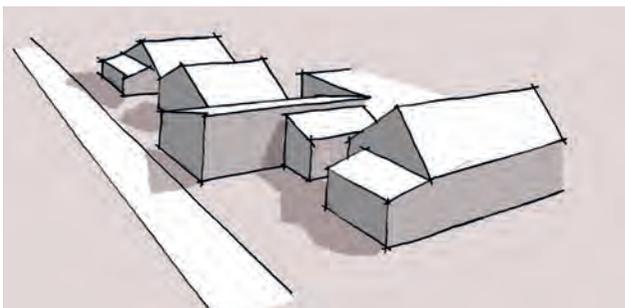
The backyard character of Arrow Lane adds interest and has historic value. It provides a different perspective of the town.



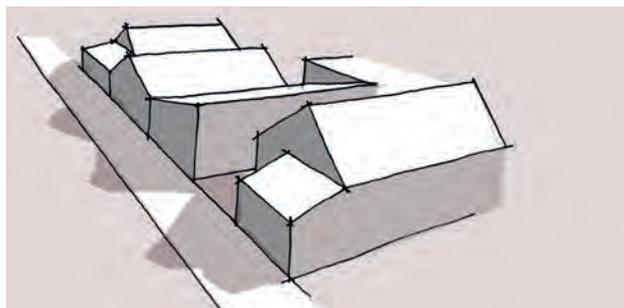
Pedestrian capillary to Arrow Lane.



Photo reinforcing the simply working character of Arrow Lane.



Seek to retain the irregular building line and setback against Arrow Lane.



Avoid filling the yards with buildings to Arrow Lane, where this does not already exist.

3.5 PUBLIC OPEN SPACES, LINKAGES AND COURTYARDS

Within the Town Centre there are a number of public spaces with their own distinctive character. These include Buckingham green, Athenaeum Reserve, Marshall Park and the public space alongside the Post Office. Courtyards have also been created as part of commercial developments.

In addition there are several pedestrian ways that link Buckingham Street to Ramshaw Lane and Arrow lane. These linkages are part of the pedestrian network and provide interesting spaces of varying character. They also allow the Town Centre and buildings to be experienced from different perspectives.

3.5.1 MARSHALL PARK

Marshall Park is the small park opposite the bakery on the corner. It extends between Buckingham Street and Ramshaw Lane. The park slopes towards the lane and is of simple design (predominately grass and trees) allowing a connection to the Arrow River from Buckingham Street. The simplicity of this uncluttered layout needs to be retained.



Marshall Park.



Buckingham Green and precinct defined and enclosed by vegetation behind.

3.5.2 BUCKINGHAM GREEN

Buckingham Green is a central and historic space between Pritchard's Store and the Stable and extends from Buckingham Street and Arrow Lane. It is again a simple grass area with natural rock outcrops, stone terracing and walling to Arrow Lane. This space is highly valued for town activities, often functioning as a performance space or Village Green. It is well used at all times of the year for sitting, picnicking and play and a key issue for Buckingham Green is the commercial encroachment into the green space. The mature vegetation on the slopes above Arrow Lane is very important to the character of this space, providing a sense of timelessness and enclosure for the Town Centre.



Buckingham Green, stacked stone walls and Arrow Lane to the rear.

3.5.3 ARROWTOWN VILLAGE GREEN

The iconic Arrowtown Village Green is in the adjacent Old Town; however it relates closely to the Town Centre and is described here with the Town Centre public spaces. It is located opposite the miner's cottage surrounding the library and extending to Merioneth Street. The simplicity of mown grass and trees dominate. The area is a shaded and tranquil retreat away from the tourist and building dominated Town Centre. The autumn colour is spectacular. The space is well used for market days and at other time for play and passive recreation. The trees on the terrace face behind the library contribute value and enclosure to this space, the avenue Neighbourhood and to the Town Centre.



Arrowtown Village Green.

3.5.4 ATHENAEUM RESERVE

This reserve is between the Town Hall and the Coachman and mainly functions as a laneway between Buckingham Street and Ramshaw Lane, providing a visual link from the main street to the river.



Athenaeum Reserve.

There are several raised stone planters within the space and the surface is paved. The paving does not contribute positively to the historic character of the adjacent buildings or precinct.

3.5.5 POST OFFICE PRECINCT

This space, on the Northwest side of the Post Office was formerly a garden, however has been redeveloped as part of the Post Office Precinct redevelopment.

3.5.6 GUIDELINES: PUBLIC OPEN SPACES

3.5.6.1 Protect and retain the character of existing open spaces, pedestrian linkages, and courtyards.

3.5.6.2 Encourage more pedestrian linkages and courtyards in new development.

- a) Retain the simplicity of Marshall Park, Buckingham Green and the Arrowtown Village Green.
- b) Retain the trees and vegetation on the terrace face to the south of Buckingham Green (and the Arrowtown Village Green). This vegetation is of great importance to the enclosure and historic character of these spaces.
- c) Replacement of the paving and planting in Athenaeum Reserve with an appropriate historic design would add value to this space.
- d) Retain the seating area within the Post Office Precinct now that the role of this open space has changed to a thoroughway servicing the wider Post Office Precinct development to the rear.
- e) New pedestrian linkages running parallel to the main street and the lanes may be acceptable provided that they do not compromise the historic character of the street and lanes by, for example, placing buildings closer to the lanes and reducing backyard space.
- f) Keep existing green spaces 'green' and avoid overuse of green spaces by commercial activities.
- g) Design new courtyards and / or renovate existing courtyard spaces to reflect traditional Arrowtown. The composition of spaces based on rectangular shapes as opposed to curved or circular is appropriate. Paving, street furniture, lighting, planting, etc., should all be in accordance with the guidelines outlined.



Open Space area to the north west side of Post Office, which is now integrated with the Post Office Precinct development to the rear.



Uninteresting pedestrian link with poor detailing.



Thompson Street has characteristics of the old town eg narrow carriageway, no kerb & channel, grass verges & trees.

3.6 SURFACES: PAVING, DRAINAGE AND KERBS

Traditionally, simple, basic, natural surface materials were used in Arrowtown for street and paving surface. This reflected the town's isolated, rural, industrial beginnings.

The appearance of surfaces is very important to the historic character of Arrowtown.

3.6.1 GUIDELINES: SURFACES

3.6.1.1 Use materials and surfaces that are local, low key and reflect traditional Arrowtown.

- a) Concrete in its simple unpretentious form, stone, gravels, and timber (boardwalk) are best. Do not use precast concrete products, coloured pavers stamped or coloured concrete stone not used traditionally in Arrowtown or ceramic tiles.
- b) Use lightly exposed aggregate concrete as the primary surface for footpaths and paving within the Town Centre. Schist rock (sourced locally) can be used for feature paving and for edging.
- c) Preserve original and new stone drainage channels (lower Berkshire Street) and take opportunities to extend their use in other locations where drainage is required.
- d) Use stone kerbs in preference to concrete kerbs in the Town Centre including Buckingham Street, Ramshaw Lane and Arrow Lane (and lower Berkshire Street and Wiltshire Street). Do not use continuous machine kerbing.
- e) Do not seal parking bays or shoulders. Use gravel. Bituminous seal should only be used for the main carriageways (except Buckingham Street).
- f) Retain gravel footpaths on lower Wiltshire Street and Berkshire Streets.
- g) Retain gravel shoulders and grass verges on Wiltshire and Berkshire Street.



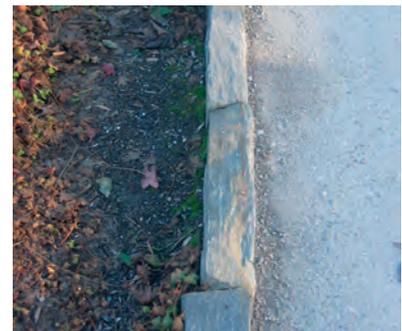
Encourage schist detailing similar to that shown.



Encourage stone detailing set in crusher dust and gravel pathways.



Avoid modern coloured tiles, which are inappropriate to historic character.



Encourage stone edging similar to that shown.

3.7 EXISTING VEGETATION

Historically, there were no tree plantings in Buckingham Street. Tree plantings in the Avenue and in the adjacent residential areas provide a framework of vegetation, which is of great importance to the character of the Town Centre including the lanes.

This includes the willows on the edge of Ramshaw lane, street trees on Wiltshire Street and the trees and vegetation on the terrace face south of Arrow Lane.

The early settlers planted almost exclusively exotics (species many of which may be considered weeds today), such as sycamore, hawthorn and periwinkle. Other significant plants include fruit trees, walnuts and hazelnuts. All of these species are potential wildings and therefore have been excluded from the planting list in Section 5 (as this relates to planting of new vegetation); however, the Arrowtown Workshops identified the wildings on the adjacent hills (below a certain level) for retention as they contribute to the character of Arrowtown.

3.7.1 GUIDELINES: EXISTING VEGETATION

3.7.1.1 Retain and protect historic vegetation within and adjacent to the Town Centre.

- a) Retain vegetation identified Section 5 of this Guidance.
- b) Trees lost, deemed unsafe or at the end of their life span must be replaced with the same species or species of a similar form. Where species are no longer permitted to be planted, e.g., hawthorn, use an appropriate substitute from the plants list appended to this Guidance.

3.8 PARKING

Areas for parking have increased significantly in recent years in line with the growth of the town. The main parking areas are on Ramshaw Lane, Buckingham Street, Hansen's Park, Buckingham Avenue, and Berkshire Street with overflow parking within the river area and adjacent to Ramshaw Lane.

Parking areas have the potential to dominate the Town Centre and significantly detract from historic character. Careful management is required. Options need to be investigated that free up parking space.

3.8.1 GUIDELINES: PARKING

3.8.1.1 Car parking should not isolate the Town Centre from adjacent areas or undermine the character of the Town Centre or adjacent areas.

- a) Do not create more parking in the Town Centre area. No further parking areas can be developed without adversely affecting the character of the Town Centre and adjacent areas.
- b) Do not allow parking for the Town Centre to dominate further in the river environment.



Trees on Wiltshire Street enclose the Town Centre and form part of the historic fabric.



Willows on Ramshaw Lane are part of the historic vegetation.



Historic poplars and willows provide well sought after shade for parking in summer and reduce the dominance of parked vehicles.

- c) Do not plan parking for peak days. Parking around the streets on special event days is acceptable and this approach fits better with the historic character as opposed to having vast parking areas.
- d) Bus parking is adequate for current and projected use. Seek ways to reduce the dominance of hard surfaces by breaking up with planting. Plant willows behind the bus park to decrease its dominance.
- e) Require Town Centre business staff to park in the car park to the north of Romans Lane.

3.9 FENCES AND WALLS

Fences were traditionally predominately timber, corrugated iron and post and wire. Picket fences were often used in the main street and there are two examples that are appropriate for the Town Centre. One is located on the front and side yard of the Postmasters house and the other is in front of 59 Buckingham Street – a miner’s cottage.

Local stone freestanding and retaining walls were also part of the historic fabric of the Town Centre.

3.9.1 GUIDELINES: FENCES AND WALLS

3.9.1.1 Any new fences and walls must be simple and similar to those used traditionally and appropriate to location.

- a) Simple wood picket fences are appropriate. The simple fence design in front of the mining cottage is a good example of detail and timber dimensions.
- b) Schist stone dry stacked retaining walls must be in appearance similar to those used historically within Arrow lane and Buckingham Green. Local schist stone must be used and shall be consistent with the local schist stone used within existing development within the Town Centre.
- c) Free standing stonewalls in the traditional form of dry stonewalls with ‘coping’ stones are appropriate.
- d) Mortared stone is an acceptable alternative for high public use areas where the stability of dry stonewalls would be an issue. Mortar should appear similar to other existing examples in the Town Centre.
- e) Fences must not be of a height to obscure views to buildings and yards as this would detract from the experience of the lanes and Town Centre. The maximum height for ordinary walls and fences is 1.2 m. 2m high fences, as defined in the District Plan, should only be used for the minimum area required to hide rubbish receptacles and other services. Do not use 2 m fences for entire yards.



Traditional picket fencing fronting the Postmasters Restaurant, Buckingham Street.



Good example of Picket fencing outside Miner's Cottage, Buckingham Street.



Good example of simple timber bollard.



Good example of stonewall with coping.



Avoid steel fences and modern forms of masonry fencing.

3.10 VEGETATION: PLANT MATERIALS

A simple palette of plant materials was grown / survived in early Arrowtown.

The type of plants and the way they grow, (including the thickets and overgrown, rambling nature of some areas), contribute significantly to historic character.

3.10.1 GUIDELINES: VEGETATION: PLANT MATERIALS

3.10.1.1 New plantings must be appropriate to the historic context.

3.10.1.2 Retain historic plantings.

- a) Trees should not be introduced to Buckingham Street within the Town Centre. Trees should be set back from the main street within courtyards or public spaces.
- b) Trees are appropriate on Ramshaw Lane and Arrow Lane.
- c) All trees and other vegetation should be from the historic palette of plants or listed substitutes where species such as hawthorn are no longer permitted (refer planting list included within section 5.1 of this Guidance).
- d) Native plants should be used sparingly within courtyards and adjacent to the Town Centre and only as a secondary to historic plants. Exotic historic species should dominate. Do not use tussock species or natives en masse.
- e) Plantings should be simple.
- f) Allow the 'overgrown' rambling character of plantings to remain or evolve as this is important to the historic patina and special qualities / character. 'Weeds' can also be an acceptable part of the Arrowtown streetscape. Do not remove or spray in the quest for the neat and tidy.



Periwinkle rambling over a bank. The vegetation contributing to the patina of age.



Planting in Ramshaw Lane.



Simple rose garden against stone building.



Vegetation dominates over buildings in old Arrowtown.

3.11 STREET FURNITURE

Street furniture including rubbish bins, seats, light standards and picnic tables are features of contemporary life in Arrowtown, however not all were present historically. It is important that the character of new elements does not contradict the historic character of the town.

3.11.1 GUIDELINES: STREET FURNITURE

3.11.1.1 Site furniture must be simple in design, well placed and satisfy a real need.

- a) All street furniture including seats and rubbish receptacles should be simple and appropriate to the historic context of a mining town.
- b) Limit street furniture to where there is a real need to retain the uncluttered simplicity of the street character. Place furniture where it will complement historic buildings and features and not obscure or detract from.
- c) Avoid ornate designs that would misinterpret the history of the area.
- d) Street furniture should use traditional materials but be of a contemporary design that is sympathetic to its historic context.
- e) Timber and wrought iron are best. Copper, brass and galvanised steel may be appropriate. Do not use stainless steel, plastic, bright colours, aluminium or fibreglass.
- f) Avoid one repeated generic design for individual items. A limited variety of designs suited to Arrowtown would be appropriate.
- g) Do not adopt items from the street furniture used in other historic towns, or elsewhere in the District, unless they are appropriate to Arrowtown.



Wooden unpainted bench seating, with appropriate streetlighting to the rear.



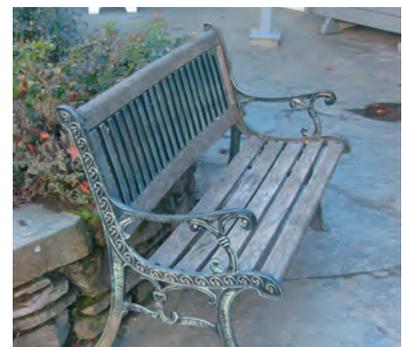
Appropriate style rubbish tins.



While the design is appropriate, the colour choice is too loud. Adoption of natural timber is favoured instead.



Avoid inappropriate design responses, with little or no historical reference.



Encourage the use of street furniture that fits the character of Arrowtown.

3.12 STREET LIGHTING AND EXTERIOR LIGHTING

Kerosene lamps were installed to early Arrowtown to provide light along the main routes. The electric light did not come to Arrowtown until the 1940's.

The type and level of lighting is of special concern to the community in relation to the night character of the town. Low light levels and relative darkness is in keeping with the historic character and will enable the moon and stars to be appreciated on clear nights.

A lighting masterplan specifically prepared for Arrowtown would assist good lighting solutions.

3.12.1 GUIDELINE: STREET AND EXTERIOR LIGHTING

3.12.1.1 Exterior lights should be simple and include lamp styles appropriate to an early rural mining town.

3.12.1.2 Lights should be appropriate to location within the Town Centre.

- a) Gas lantern kerosene style lamps and cast iron light standards should be retained in Buckingham Street.
- b) Electric light lamps on timber poles (or an appropriate alternative) and of a simple utilitarian style that reflects the early Arrowtown character should be used on the periphery of the Town Centre. The lights should be kept at a relatively low height on poles (old telephone pole height). Use higher lights only at intersections.
- c) Avoid overhead lamps on tall sectional galvanised poles.
- d) Exterior lighting should be a subordinate element and should have a low level of luminescence and be of a colour reflectance that of kerosene lamps and early electric lights. Reduce glare and intensity by using low output lamps to produce a subtle effect.
- e) Retain the historic character and historic ambience of the street. The shadows of buildings and features in subtle lighting with the night skies give rise to this character.



Appropriate style streetlighting, linking with exterior façade lighting.



Lamp stand fronting Marshall Park.



Traditional gas lamp.



Avoid modern light bollards which have no connection with heritage character of the Town Centre.

3.13 SCULPTURES, WORKS OF ART, ARTEFACTS AND MEMORABILIA

While works of art to be encouraged there are already a number of sculptures and artefacts within the streets, lanes and courtyards and care needs to be taken to 'overdo' the number of these works. Too many would detract from the historic simplicity of Arrowtown and this point has or is close to being reached. The context, site, scale and relationship of works of art to Arrowtown are very important.

3.13.1 GUIDELINES: SCULPTURES AND WORKS OF ART

3.13.1.1 Works of art should respect and respond to the character of Arrowtown.

- Works of art should connect with Arrowtown. They should aim to complement, not dominate, and be appropriate to context and setting.
- Avoid cluttering the Town Centre with works of art. Do not compromise the historic simplicity of Arrowtown's streets and open spaces.
- Materials used for works of art should be limited to those that are sympathetic to traditional Arrowtown.
- The display of further artefacts relating to gold mining requires careful consideration. The museum or gold mining sites would be a better place to display these where they can be understood in an appropriate context.



Low-key finger signs are an effective means of conveying information but watch location.

3.14 SIGNAGE

There are range of signs in the Town Centre including traffic, parking, information, interpretation and commercial signs. Traditionally signs were relatively simple in character. Historic photographs illustrate a limited range of types. On Buckingham Street signs were mounted flush on building fronts or projected over the footpath.

Today the number of signs is greater than historically. It is important that signs remain subordinate to the overall street scene and their size relates to purpose including the pedestrian nature of the area and low traffic speed. Their placement and design should respect historic buildings and the character of the Town Centre.



Signage on Buckingham Street that appropriately responds to historic buildings and the street frontage.

3.14.1 GUIDELINES: SIGNAGE

3.14.1.1 Sign design and placement should respect historic buildings and the character of the Town Centre.

- Signs must not obscure historic building details or important vistas.
- Reduce the number of signs used in a single location by the use of directory of finger signs.
- Signs handwritten on the building in the traditional way are best, provided that they do not alter or obscure parts of the building.

- d) Small scale signs, either mounted on to buildings or free standing are appropriate.
- e) Sign materials should be similar to those used traditionally. Painted wood and metal are appropriate. Plastic and highly reflective materials are inappropriate.
- f) Illuminated, neon or flashing signs are not appropriate and must not be used if heritage character is to be protected.

3.15 EXISTING BUILDINGS

Buildings and the open spaces between are major contributors to the Town Centre's character.

Two building types traditionally dominated the Town Centre (and continue to do so) the false front shop and the shed. Other building types had minor roles. For instance, the Postmasters House is unique in the precinct, being of the bay villa residential type, providing increased complexity and richness.

The protection of heritage is the priority in this precinct. This means that existing building stock should be conserved and maintained in Arrowtown, as opposed to the on-going alteration and replacement of buildings that commonly occurs in other towns.

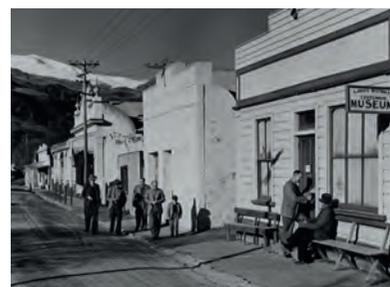
The precinct should be seen as a functional entity and the individual buildings as component parts. The entire precinct is given heritage status in the Proposed District Plan and a list of individual heritage buildings is also provided. Not all buildings that have heritage fabric are however individually listed and more recent buildings, especially ones of architectural merit, may over-time acquire heritage value. Therefore every building should be carefully evaluated before support is given to its removal, re-siting or modification.



Buckingham Street, 1905, looking east.



Buckingham Street looking west.



3.15.1 GUIDELINES: EXISTING BUILDINGS

3.15.1.1 Conserve the existing buildings of the Town Centre.

- a) Protect and preserve all buildings identified in the District Plan as having historic value, and ensure their on-going conservation and maintenance.
- b) Do not allow the removal or modification of other existing buildings until it has been proven that they do not have historic or urban design value. (The Town Centre as a whole is listed as a heritage precinct, however not all buildings of historic merit are individually listed in the District Plan).
- c) Follow the principles of the ICOMOS NZ Charter (2010) for the conservation of existing built fabric. This charter is the fundamental conservation guideline and should be applied in all cases.
- d) Undertake all conservation work under the direction of an appropriately qualified conservation architect. Invariably site specific issues will arise on any conservation project and a conservation architect with the necessary specialist knowledge should direct operations.

3.16 NEW CONSTRUCTION - GENERAL

Early buildings in Arrowtown related harmoniously to each other, both in form and materials, without a great deal of apparent conscious effort. Lack of money and technology together with the limited range of materials available helped achieve this cohesiveness.

BUCKINGHAM STREET - ELEVATIONS

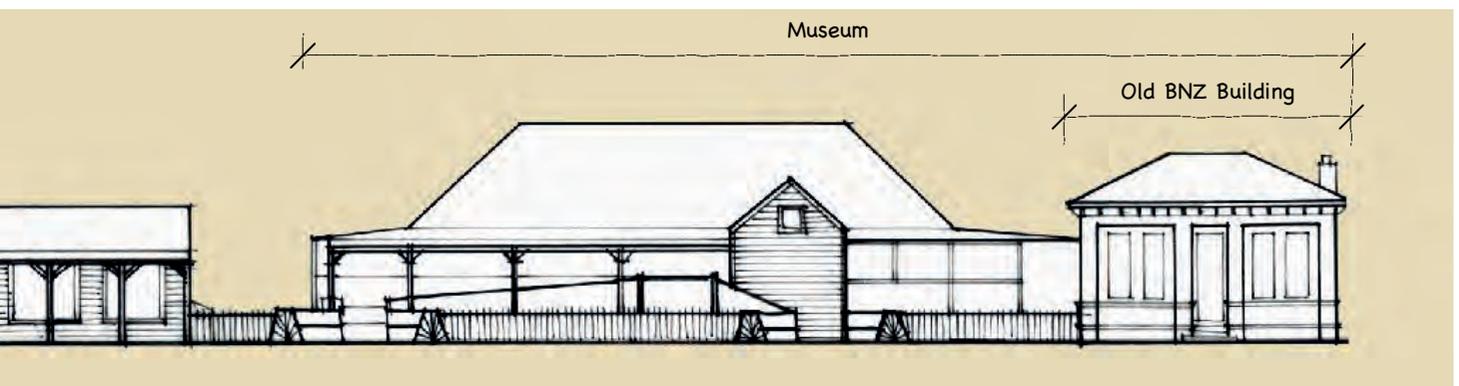
NORTH ELEVATION (WEST END)



NORTH ELEVATION (EAST END)



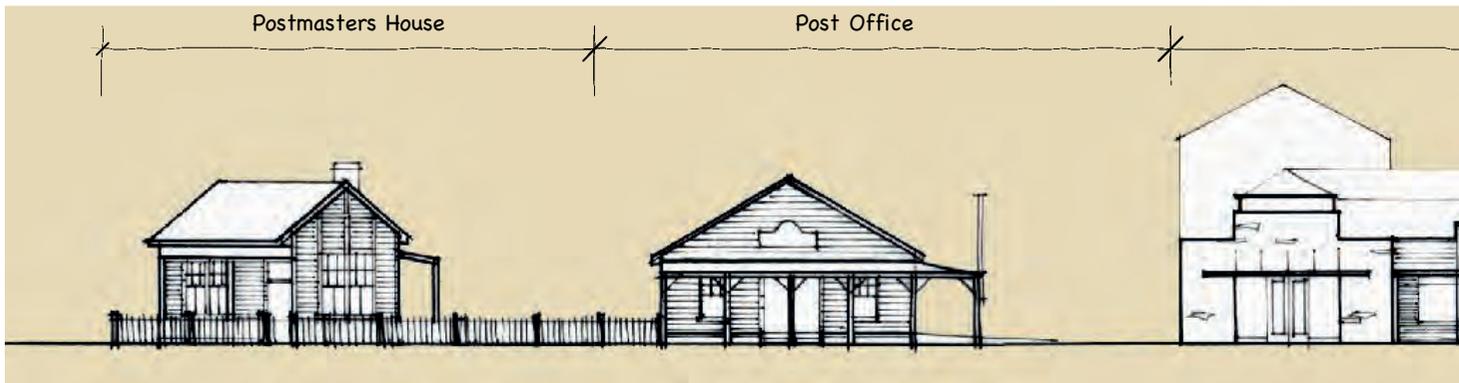
Town Centre Figure 1 - Part 1



These constraints no longer operate. If however, traditional building types are analysed and their characteristic site planning, form scale, composition, details and materials are applied to new construction, new buildings have much greater chance of being appropriate to their context.

BUCKINGHAM STREET - ELEVATIONS

SOUTH ELEVATION (EAST END)



SOUTH ELEVATION (WEST END)

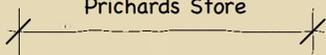


Town Centre Figure 1 - Part 2

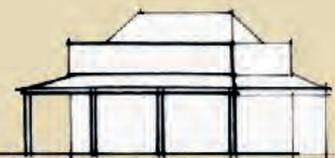
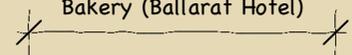
Royal Oak



Prichards Store



Bakery (Ballarat Hotel)



The dominant traditional buildings types, (i.e. the False Front Shop and the Shed) therefore, provide the guide to new structures. Within these buildings types there are also a number of subtle differences and these also need to be protected and enhanced in any construction.

An important issue is the site and height standards in the Proposed District Plan (90% site coverage, 7 metres building height). These standards provide the maximums for development and it may well be that building coverage and height need to be considerably lower in order to protect the historic character of Arrowtown's heritage resources.

These provisions should be seen as a crude first cut, to 'weed out' proposals that are totally unacceptable. All new buildings, including external alterations to existing buildings, require a Restricted Discretionary Activity resource consent, with the Council's discretion restricted to the external appearance, materials, signage, lighting, streetscape, relationship to heritage values guided by the Arrowtown Design Guidelines, compatibility with adjoining buildings and the retention of pedestrian linkages between Arrow Lane, Buckingham Street and Ramshaw Lane. Proposals that comply with the site coverage and height limit and other standards are also to be fully evaluated against the Proposed District Plan's objectives and policies, and the recommendations of these guidelines, plus other relevant documents.

In the course of this evaluation a proposal, or parts of it, may be deemed to be inappropriate despite being consistent with the zone and site standards.

3.16.1 GUIDELINES: NEW CONSTRUCTION – GENERAL

3.16.1.1 All new construction shall be implemented in accordance with the Town Centre Development Assessment Checklist attached as Appendix 5 to this Guidance and shall accord with the Guidelines for new construction set out below and other guidelines, where applicable to the heritage context of the site.

3.16.1.2 Adopt the essential characteristics of the false front shop and shed buildings types for new construction.

- a) Apply the characteristics of site planning, form, scale, composition, details and materials of the traditional Arrowtown building types, to new construction.
- b) Protect and enhance the subtle differences in the character that occur within the precinct and subtly vary individual buildings within a building type in any new construction.

3.16.1.3 New construction should be identifiable as contemporary. It must be in sympathy with and not attempt to dominate its context.

- a) Make evident in subtle ways the time of a buildings construction.
- b) New buildings must take a secondary supporting role and not dominate. Old buildings in Arrowtown tend to be plain and frugal and with modern resources new buildings could easily overpower them. The historic buildings with the Town Centre should be seen as the 'stars of the show.'

3.16.1.4 Do not introduce false history.

- a) Do not build replicas of local buildings or replicas of historic buildings from other places as this misrepresents history and undermines the real heritage value of the Town Centre.
- b) Do not assume it is appropriate to reproduce a structure that was previously on a site – the context will almost certainly have changed.
- c) Do not make exact copies of the characteristics, detail or ornament of historic buildings and apply to new construction.
- d) Do not relocate buildings from other places into the Town Centre.

3.16.1.5 The historic lot pattern must be evident in the built fabric, especially in the Buckingham Street facades.

- a) The narrow lot pattern of the Town Centre should be expressed in new construction. This is essential when several lots are to be developed as one project. The narrow lot pattern has a major influence on built form and the continued expression of this pattern is important to the Town Centre's heritage character.
- b) On Buckingham street in particular, buildings should not bridge across lot boundaries.

3.16.1.6 The maximum height and site coverage standards set by the Proposed District Plan may not always be appropriate. New construction must also meet the District plan policies, objectives and the guidelines for these maximums to be allowed.

- a) Apply the Proposed District Plan objectives and policies together with these guidelines to determine the appropriate height and site coverage for new construction. The appropriate height and site coverage may in many cases be significantly less than the limits set in the Proposed District Plan standards as the character of the Town Centre in part arises from the open spaces within the lots.

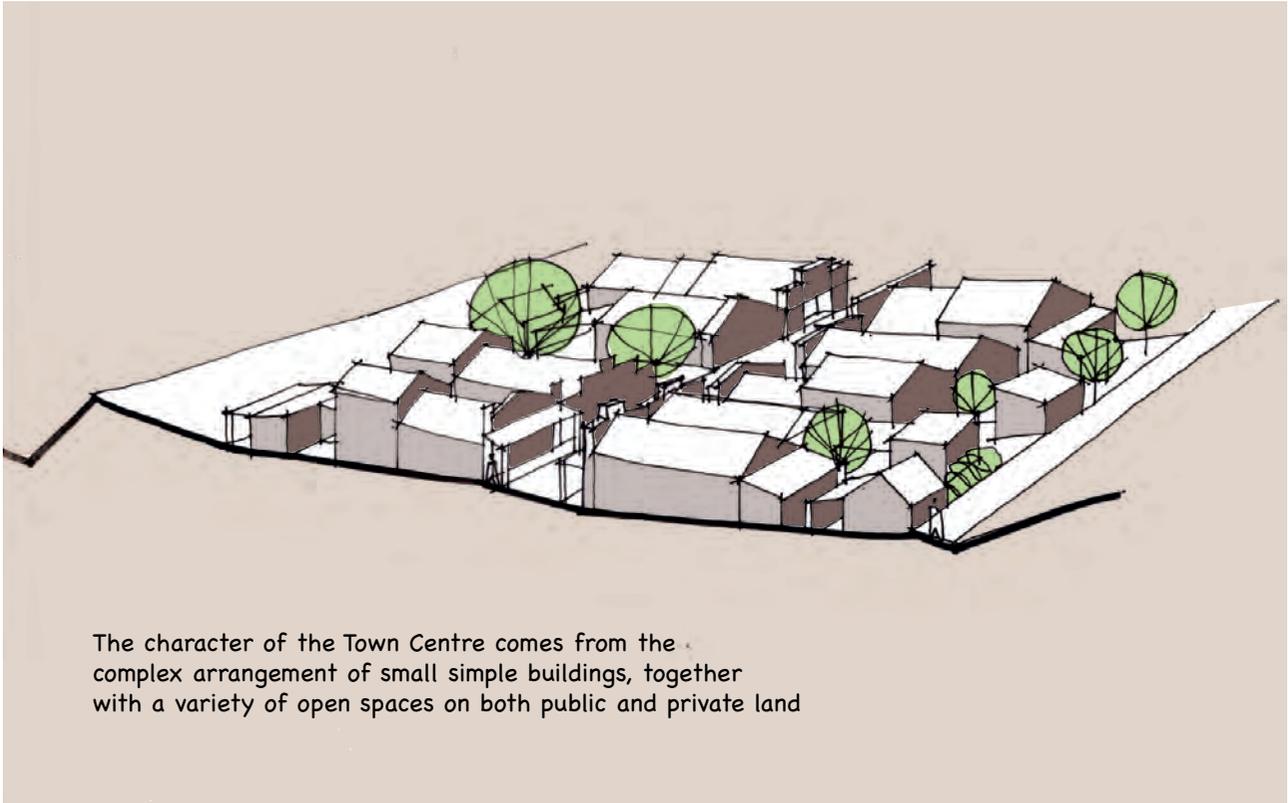
3.16.1.7 Follow the principles of the ICOMOS NZ Charter, 2010, for the construction of all new build fabric. The Charter is a valuable reference for evaluating whether a new design represents good heritage conservation.



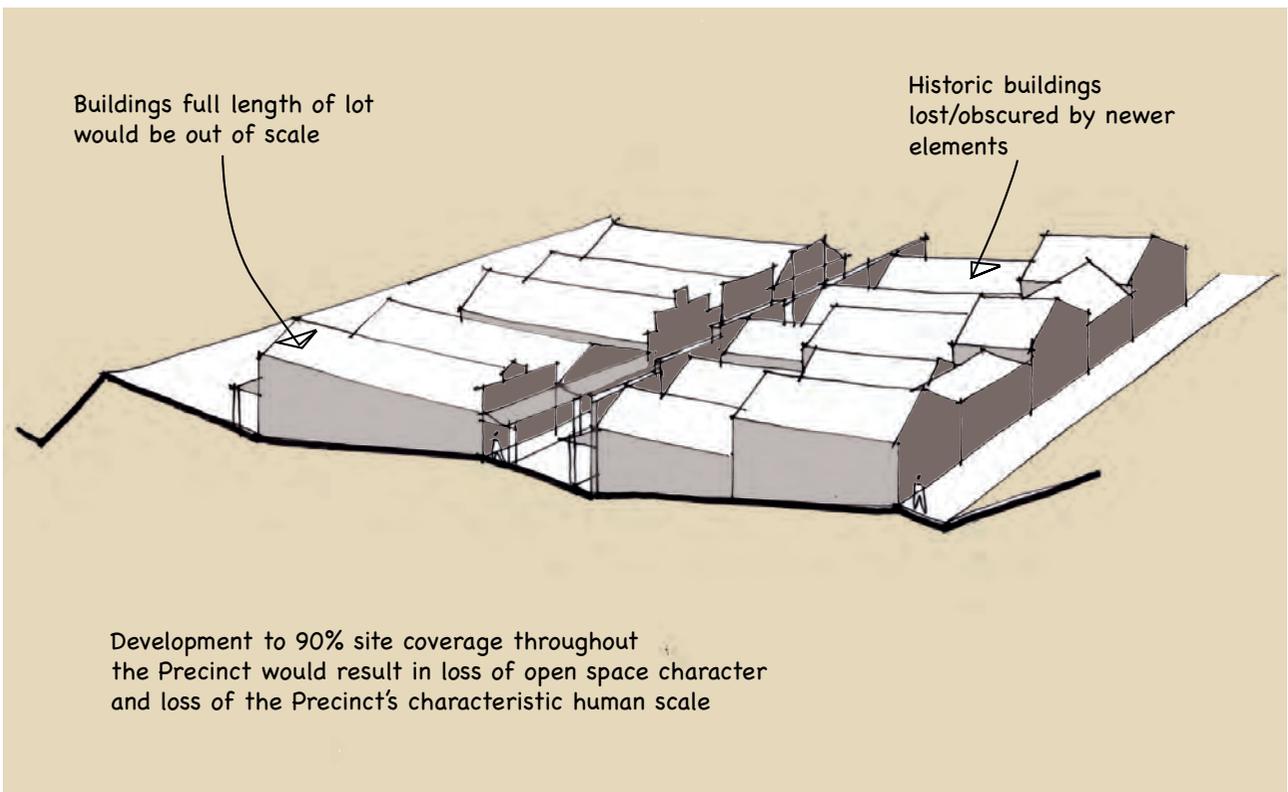
New development to the rear of the Postmaster Restaurant, viewed from eastern end of Buckingham Street, reflects contemporary two storey development incorporating simple shed forms in a grouped arrangement of buildings.



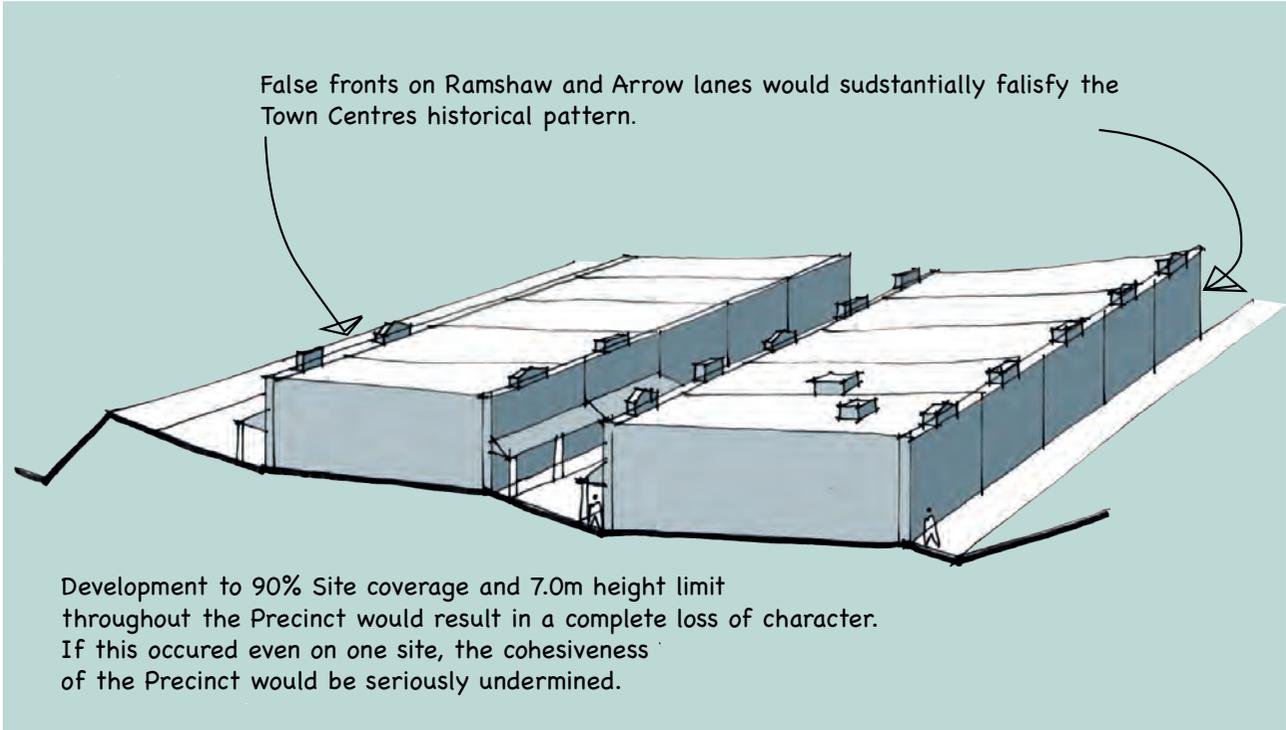
The same development viewed from Arrow Lane, reflecting traditional shed form, but retaining single storey elevation to Arrow Lane and promoting varied setbacks off the lane.



Town Centre Figure 2



Town Centre Figure 3



Town Centre Figure 4

3.17 THE FALSE FRONT SHOP BUILDING TYPE

The early retailing establishments which lined the main street of Arrowtown were predominantly the false front shop building type. They had (as the name suggest) a false front attached to the main building which functioned to dramatise the premises and advertise its wares. See Figure 5 pg 77.

Some buildings (false front and others) were set back slightly from the Buckingham Street boundary providing welcome variation in the façade line and in the width of the public footpath.

An analysis of the characteristics of the false front shop was undertaken to provide an understanding of this building type.

For this analysis, typical examples of the false front building type are described rather than Pritchard's Store. The latter is the grandest false shop front in Arrowtown and it should remain unrivalled.

Behind the false front, the building itself was generally quite small, its size (scale) of its primary elements. The primary element / cell of a building is the term used in the guidelines for the simplest form of a building that is structurally self-supporting. It may or may not have secondary elements, such as lean-tos or verandahs attached (see Figure 5 over leaf).

The false front shop buildings traditionally had clear geometric forms and shared a family resemblance (while not identical with the predominant form being single storeyed with gable roof over a rectangular footprint. A hipped roof was very occasionally used.

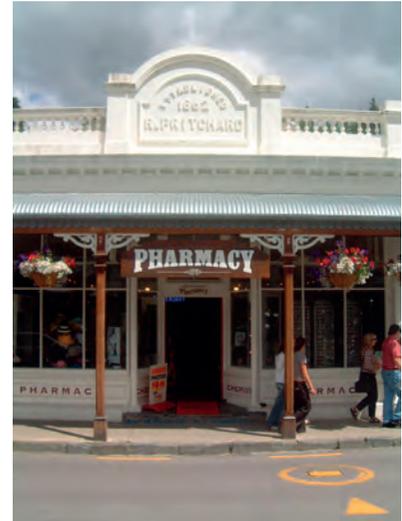
Over most of the Town Centre the lots are narrow, and a single gable end facing Buckingham Street.

At the east end of the Town Centre lot width increase and some of the false front shops had gables with ridges running parallel to the street (eg the original Royal Oak Hotel). The Gold Nugget is the only original building left showing this pattern.

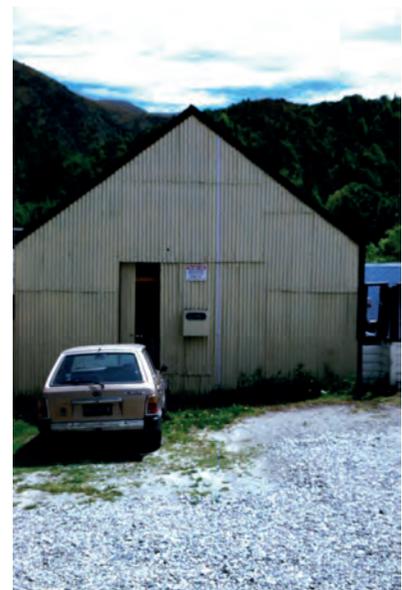
The gable end facing the street is however 'typical' in Arrowtown and new work should follow this form.

A single primary element did not traditionally extend the full depth of a lot from Street to Lane. The Hall is the only exception, and it should remain so. Its enlarged scale helps to distinguish it as a public gathering place.

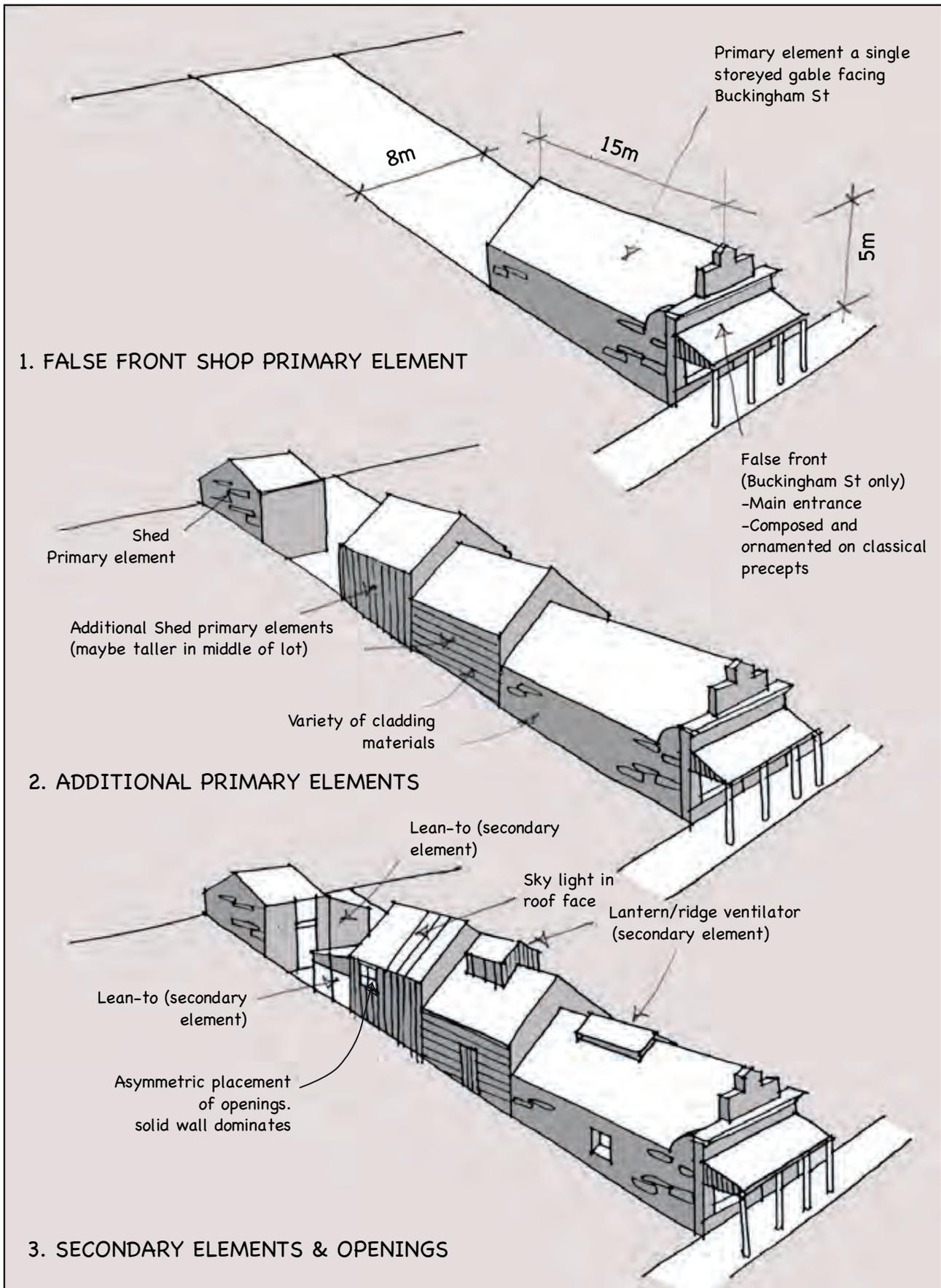
Buildings evolved over time with secondary elements, mainly lean-tos and lanterns, or further primary element, being added to the small, simple primary element.



Pritchards Store - the grandest false front.



The simple back of a false front shop primary element as seen from the Lane.



Town Centre Figure 5

3.17.1 GUIDELINES: THE FALSE FRONT BUILDING TYPE

3.17.1.1 Site Planning - The first primary element must face Buckingham Street, and come to or close to the street boundary (as per Figure 5 pg 77).

- a) The existing occasional setbacks from Buckingham Street are historically significant and should be retained (refer Form, and Scale).

3.17.1.2 The first primary element must not extend right through to a Lane. The size limit for the primary element is set by the traditional examples.

3.17.1.3 Form and Scale - New construction should adopt the small scale of the typical primary element.

- a) The form of the first primary element should be single storeyed with an equal gable of pitch 25 to 45 degrees, on a simple rectangular footprint. The gable end should face Buckingham Street. This will encourage the façade to be appropriate in width and will also make the connection of the false front to the building more secure and structurally sound. Hip roofs should in general not be use – as an occasional foil they may be acceptable.
- b) The maximum size of the primary element in the false front shop building type should be determined by the following criteria (as per Figure 5 pg 77):
- c) A width of approximately 8 metres
- d) A depth of approximately 15 metres
- e) A height to the ridge at Buckingham Street of approximately 5 metres.
- f) A floor area of about 120 square metres.
- g) An enclosed volume of about 480 cubic metres.

3.17.1.4 The side and rear of a primary element should be (in contrast with the false front) wholly or largely solid wall, and treated in a simple utilitarian manner.

3.17.1.5 The form of a primary element can be extended by means of a limited range of add-on secondary elements. These are: the false front, lean-to and lantern.

- a) The lean-to form should be a monopitch roof with 10 – 25 degrees pitch with rectangular footprint. It should be attached to the rear or side of the first primary elements on a site. It does not need to extend the full width of the wall to which it attaches. It may be a verandah or fully enclosed. The guidelines for Buckingham Street verandahs should not be applied, in particular, symmetry, and ornament is inappropriate.

- b) Lanterns should be small (less than 7 square metres plan and approximately 1 metre high) of gabled form with glazed side walls, and set symmetrically on the ridge of the primary element. A ridge ventilator is a variation and is lower and open at the sides rather than glazed. Lanterns should be used sparingly general skylights which are unobtrusive in the roof plan are preferable.
- c) Dormers are not a prominent feature of the Town Centre and their use is discouraged.
- d) Other secondary forms should only be used when they can be justified by reference to the immediate context.
- e) Air conditioning units and the like are not acceptable as secondary elements – unless their effects are successfully mitigated by specific design.

3.17.1.6 Building Composition (Larger Footprints) - For larger footprints the primary element / cell should be the basic building block.

- a) For footprints larger than one primary element / cell, two or more primary elements appropriately arranged on the site is most likely to be acceptable, i.e. a multi celled building.
- b) Primary elements must remain visually distinct. Consider a multi-celled building as several simple buildings constructed separately over time, rather than a single complicated structure.
- c) The gable end of the first primary element must face the street. Subsequent primary elements (especially on the wider lots at the east end of the Town Centre) may be turned so that their ridges run parallel to the street.
- d) Exact duplication of elements, within a composition (or from another building) is not acceptable.
- e) A complex of false front shops being developed together, should appear highly asymmetric and diverse. Symmetry should not be applied to parts or the whole.

3.18 THE FALSE FRONT AND ITS ORNAMENT

The false front occurred only in Buckingham Street. It is the signature of the false front shop building type, seeking to make a statement in a manner considered to be correct for public and commercial buildings. The false front is the only building element that is not strictly functional.

The false front has its origins in the classical style of Greek architecture – namely the Greek temple. The gable end of a shallow gable roof (the pediment) is supported on a deep beam (the entablature) which is in turn supported on shafts (posts). The whole was symmetrically composed and very carefully proportioned.

The Arrowtown version of the false front tended to be a relatively plain and sometimes crude version of classicism due to the lesser skill base and fewer available resources than in the cities.

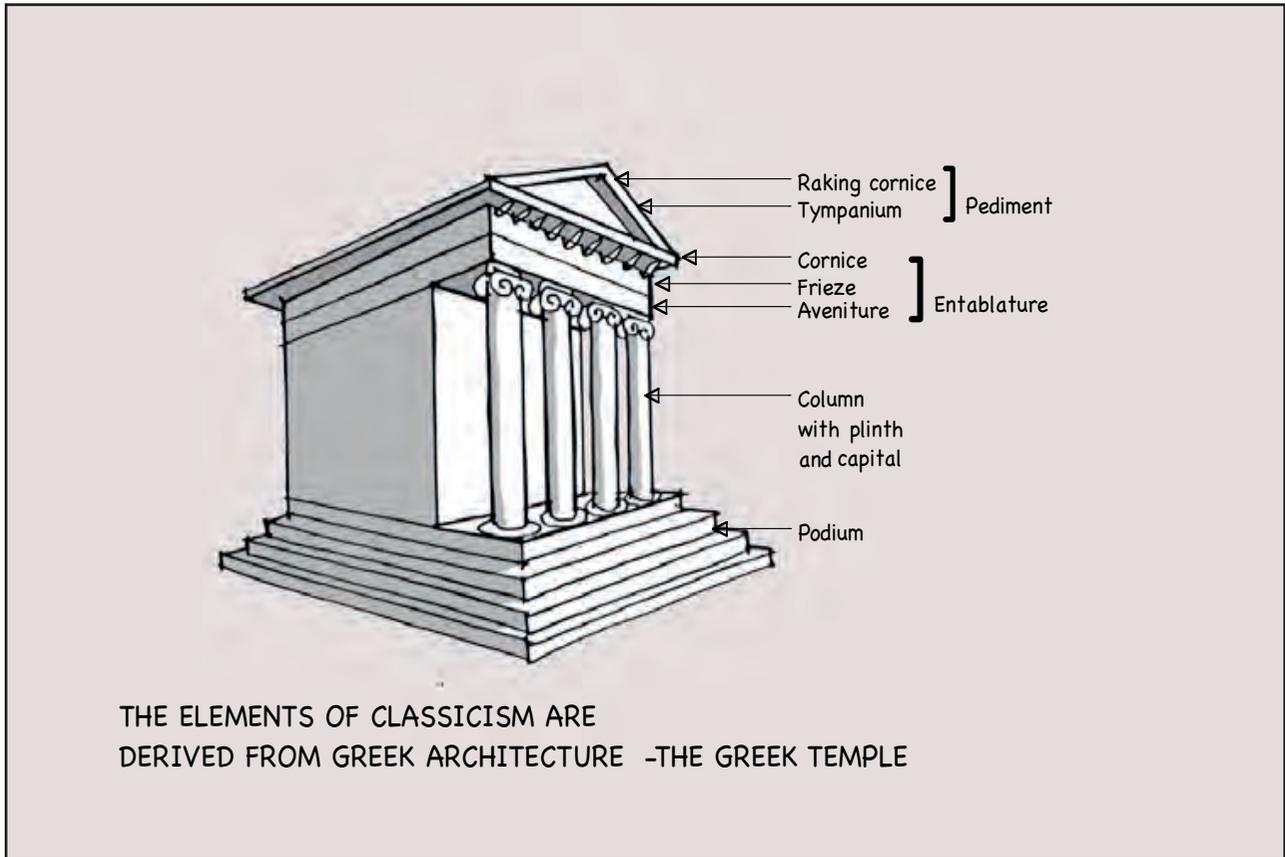
False front on stone buildings was stone and plastered and painted with mouldings and other ornament. On wooden buildings, it was timber with timber mouldings.

Buckingham Street verandahs (where they existed) were part of false fronts. They were painted timber structures, and ornamentation was again guided by classicism.

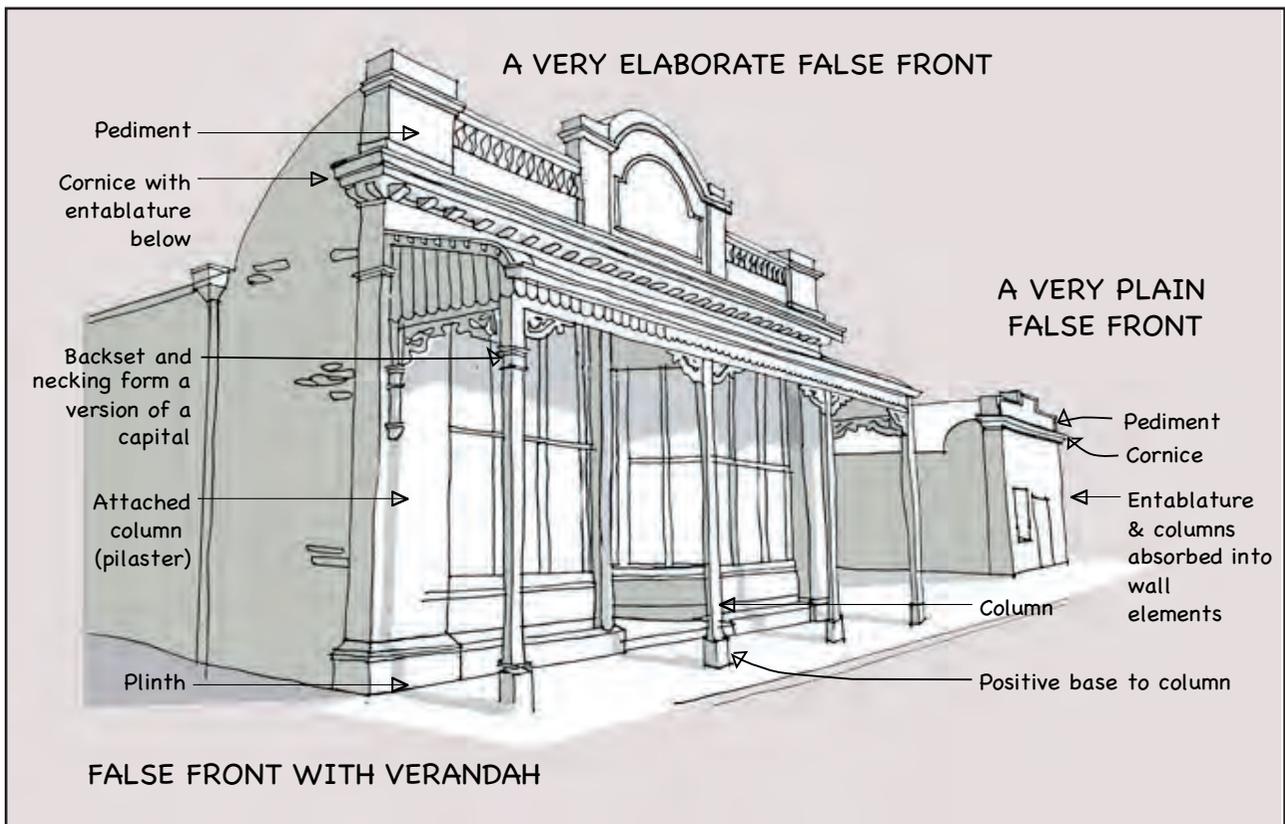
The ornamentation on buildings can be seen as the formalising of the practical finishing techniques of construction, such as a frame hiding a panel in place or a bracket connecting a beam to a pole. In the Arrowtown context there was much inventive use of cut offs of commonly available timber sizes which gives ornamentation a characteristic scale and texture within the Town Centre.



Side walls predominately solid.



Town Centre Figure 6



Town Centre Figure 7

3.18.1 GUIDELINES: THE FALSE FRONT AND ITS ORNAMENT

3.18.1.1 A false front must be placed on the gable end of the primary element. It must face and be close to Buckingham Street. False fronts must not be used in the Lanes or in other locations.

3.18.1.2 A false front must be designed to relate harmoniously with existing examples on Buckingham Street, especially those in the immediate vicinity.

- a) The false front should not be more visually elaborate or dominant than the false front of typical historic buildings, i.e. it should not compete with the false front of Pritchard's Store.
- b) Proportions of a new false front must be compatible with its immediate context.
- c) The false front must incorporate the main entry to the building.
- d) A verandah on Buckingham Street is desirable but not mandatory. Where they occur, verandahs must be treated as an integral part of the false front.
- e) Front (including its verandah) must be a symmetrical composition of classical elements with attention to its proportions. Adherence to an exact system of proportions is not required, but a horizontal emphasis can be observed in the Town Centre's traditional false front, and that should remain the dominant proportional bias.
- f) The false front should be the same width as the traditional examples of at the western end of the street. This will reinforce the narrow lot pattern.
- g) Where a complex with new facades is proposed the proportions of the individual facades should not be the same or the Town Centre will deteriorate into a battle between 'warring tribes'.
- h) A degree of non-functional ornament is appropriate on a false front but not elsewhere. Ornament should follow classical precepts and reflect the scale and texture of traditional false front ornamentation. The complexity of ornamentation on the false front of the bank and Pritchard's store is not appropriate for new construction.
- i) A false front verandah should be the full width of the façade, have a 5 – 15 degree monopitch roof (on occasion slightly bull-nosed) together with closed verandah ends and positive post base details. Verandahs must be painted.

3.19 THE SHED

Over the history of the Town Centre, the shed has always been a fundamental building type. In recent times, however, the number of sheds has been much reduced.

Sheds were traditionally a particular feature of the two lanes from where the industrial and manufacturing activities and the stabling of horses took place.

Sheds were simple in form and often very small. They tended to be informally sited, were not necessarily set to the boundaries and often did not occupy the full width of the site. They were more focussed towards activities within the site and did not encourage public entry from the Lane.

Traditionally the backyard scene revealed from the Lanes included considerable areas of yard as well as sheds. If every lot were to be predominately occupied by buildings, with little open space, the lane character would be lost. Arrow Lane currently retains this backyard character relatively intact.

On Ramshaw Lane, the original back lane quality has been largely lost as people have orientated their businesses to the sun, river and views. It seems unlikely that this lane will revert to a low-key lane in the foreseeable future. Currently it is becoming dominated by two storeyed facades, which are unrelated to Arrowtown's legacy of building types.

The shed building type offers the best way to allow a degree of intensification to occur in a style more in keeping with Ramshaw Lane's history. It is desirable that there is not a predominance of two storeyed buildings coming right to this lane. The set back of buildings from the lane should increase as building height increases.

Sheds have a simple primary form. A gabled roof was most common in Arrowtown, but monopitched roofs were also used. Secondary elements, almost exclusively lean-tos, were used to extend the primary element. Detailing was completely plain / utilitarian and did not indulge in symmetry or ornament.

Sheds were typically smaller than the primary elements of the false front shop. This added to the visual richness of the Town Centre by providing contrasting elements at different scales.

Sheds were typically single storey. On occasion, they were 1.5 storeys for stables with an upper loft. However, this should not be considered the norm in new work.



The simple form of the shed.



Ramshaw Lane: opportunities for outdoor living, but buildings lack an Arrowtown character.



The simple shed form used to the rear of the Postmaster's Restaurant.



The simple shed form used to the rear of the Postmaster's Restaurant.

3.19.1 GUIDELINES: THE SHED BUILDING

3.19.1.1 The shed building type should be used for buildings that relate to the lanes. The false front shop type must not face a lane.

3.19.1.2 Sheds are appropriate as an occasional building type in Buckingham Street.

Site Planning

3.19.1.3 Along Arrow Lane, sheds should come to the boundary for approximately 30% only of the total lane length, so that the built edge is highly indented. The setback distances should be irregular. This will preserve the complex, informal outdoor backyard character of the lane margin.

3.19.1.4 Along Ramshaw Lane, the shed primarily element should come to the boundary for no more than 50% of the total lane length. This will increase both the degree of indentation of the built edge and the amount of usable outdoor space.

3.19.1.5 Along Buckingham Street, sheds should come to the boundary or close to it. They should only be occasional participants. False front shops must remain the dominant building type.

- a) Decisions on where it is appropriate for sheds to abut the lane must be made with reference to the immediate context and to the character of the lane as a whole. Too many buildings abutting the lane boundary will make the lanes too enclosed.
- b) The open backyard space of lots should not be dominated by vehicle parking.
- c) Sheds should be asymmetrically arranged on a site. They should not extend the full width of the site. Entry points on side walls will encourage pedestrian exploration of the site.

Form and Scale

3.19.1.6 Sheds to be simple forms reflecting the small scale of typical traditional sheds.

- a) The form of the primary element should be a simple rectangular footprint roofed by an equal gable of 25 – 40 degree pitch. The ridgeline can be either parallel to the lane or parallel to the side boundary. A monopitch roof of 8 – 30degrees may be an acceptable variation.
- b) The primary element in the shed building type should have:
 - A footprint of about 30 square metres.
 - An enclosed volume of about 150 cubic metres.The primary element must not exceed:
 - A maximum footprint of 50 square metres.
 - A maximum volume of 250 square metres.
- c) The Coachman's Hall should not be used as a model for new construction. While essentially a shed, it is extremely large and its scale is not typical of sheds in the Town Centre.



Photo looking east along Arrow Lane showing the dominance of the shed form and extensive variation of building setbacks off the Lane.

3.19.1.7 Sheds close to arrow lane should be low and single storey as seen from the lane, with a 2.5m maximum to eave above lane level. The floor level should not be above lane level.

3.19.1.8 On Ramshaw Lane, a shed should be single storey on the boundary. 1.5 storey is acceptable if set back a minimum of 2m. Two storey may be acceptable if set back from the boundary to the lane by approximately 3m or more. This would also allow the potential for sunny outdoor spaces to be more successfully utilised, without conflict with pedestrian use of the footpath.

3.19.1.9 In the middle of a lot, it may be acceptable for a shed to be placed above existing ground (on a raised plinth) so that it reaches the height limit. This must not result in an adverse effect on the integrity of any existing building.

3.19.1.10 The only generally acceptable secondary element is the lean-to form.

- a) The lean-to should have a roof pitch 8 – 15 degrees and a maximum width of 4.0m.
- b) The lean-to's variant, the verandah, is most likely to be appropriate facing Ramshaw Lane or into a courtyard in association with a second entrance and / or to control sun.
- c) The verandah is not appropriate facing Arrow Lane.
- d) Sheds should not have verandahs facing onto Buckingham Street.
- e) Air conditioning units and the like are not acceptable secondary elements – unless their effects can be successfully mitigated by design.

3.19.1.11 Symmetry is not appropriate for shed design.

3.19.1.12 Sheds should be plain and utilitarian with no ornamentation.

Building Composition (Larger footprints)

3.19.1.13 A larger floor area can be achieved by adding secondary extensions to a single primary element, or by using two or more primary elements (as long as the overall building remains acceptable) (See Figure 5 pg 77).

3.19.1.14 Consider elements as separate cells in a multi-celled building. Each element must be separate or visually distinct. (When designing, it may help to consider the various elements as being added one by one over time).

3.20 OPENINGS – ALL BUILDING TYPES

In the two building types that dominate the Town Centre, the openings, window and doors, were generally minimised no doubt due to cost and structural difficulties. Windows were small and where operable - often hopper or horizontally pivoting. Doors were usually ledged and braced or sometimes 4 panel frame and panel.

By contrast, a special effort was made to emphasise openings in the false front. The door was central, and the windows positioned centrally around it. The door often had glazed panels in it. In the plainer or less retail focused premises the windows were double-hung. The more elaborate shops used shopfront glazing. This increased the proportion of glazing in the façade, but due to a raised sill and grid of glazing bars, still provided a lattice visually separating outside and in a characteristic scale.

Openings play a major role in allowing interaction between the interior of the shop and the street or open space. The usual features associated with modern retailing, such as frameless glass doors with stainless steel pulls, however, have no place in the Town Centre.

The side and back walls tended to be closed, solid wall dominated with few if any opening.

On Ramshaw Lane, in some courtyards and along pedestrian alleys, it may be appropriate to vary from the close, solid wall dominated character and increase the proportions of openings in a wall.

There are an increasing number of courtyards as part of public routes through commercial development, however, the most important 'public squares' are Buckingham Green and Athenaeum Reserve. The heritage character of these spaces is dependant to a large extent on the nature of the side walls of the adjacent buildings and an increase in the openings onto / overlooking these spaces would seriously diminish heritage values.

Doors and windows facing the street were timber sash in timber frames and were painted. On side and rear walls they were not always painted, but today painting is recommended to avoid compromising timber durability.

Roof glazing was used, especially on stone buildings, where openings in walls were not easy to achieve. The Lantern is another possible approach.

3.20.1 GUIDELINES: OPENINGS

3.20.1.1 The approach to the placement and proportions of windows and doors should be based on the traditions of the Town Centre.

- a) In false front facades, windows and doors should be symmetrically arranged. Doors should be the main entrance and placed centrally. Double-hung windows should have a maximum width of 900mm and maximum height of 2000mm. Shopfront windows should have painted timber glazing bars giving a maximum glass panel area of 2.0 square metres. Proportions should be vertical or square. Sills should be 400mm above floor height. Where glazing bars are used the characteristic scale of traditional examples should be adopted.



Window -double hung with lattice.



An interesting hood detail.



Frame and panel door with top light.

- b) Typically, on rear and side walls of false front shops, and on walls of sheds, solid wall should dominate. Windows and doors should not be arranged symmetrically within a wall. The placement and proportion of windows and doors needs to be carefully considered as a composition. Windows should have a vertical proportional emphasis. Where there are double-hung windows to the front, windows to the side and rear should be small (less than 80mm by 800mm. Where the front of the building has shopfront glazing, side windows can be double-hung. This regime should apply on Arrow Lane and to commercial developments abutting public open space within a block.
- c) On Ramshaw Lane and in the pedestrian alleys and courtyards within commercial developments, a higher ratio of openings to wall may be appropriate. Windows and doors should be carefully, but not symmetrically arranged. Windows should have a vertical proportional emphasis.
- d) Openings onto / overlooking Buckingham Green and Athenaeum Reserve need to remain limited. The predominantly solid walls are important to the heritage character of these spaces.
- e) All doors and windows should have timber sash and frames. Frames in other materials, e.g., aluminium or steel are not acceptable. Frameless glazing is not acceptable.
- f) Doors and window frames should be painted. Clear finish should not be used.
- g) Roof glazing is encouraged as an alternative to compromising the dominance of solid wall (rear and side walls). Roof glazing should be part of the roof slope and should not protect.

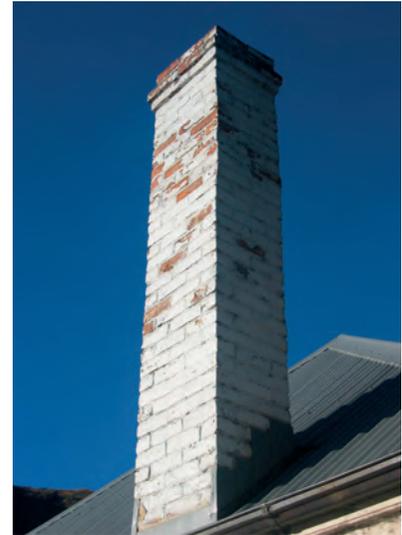
3.21 CONSTRUCTION AND MATERIALS

The Town Centre is characterised by a limited palette of materials and this served as an important character generating and unifying factor. The palette should continue to be restricted.

The materials used in early buildings were sourced locally and processed only to the minimum extent necessary. These criteria should be used to help determine which, if any, new materials can be added to the palette.

The older buildings in the Town Centre are also united by a shared approach to construction. Each building element was constructed independently over time. Hand technologies were used, with a minimum of prefabrication. It was therefore relatively easy to fit new work into its context. Components were often recycled.

New buildings are more likely to be compatible with existing buildings, if they replicate to the greatest extent practical, traditional processes of construction.



Use of brick limited to chimneys and trim.

3.21.1 GUIDELINE: CONSTRUCTION AND MATERIALS

3.21.1.1 New buildings should be designed so that each primary element is independent both structurally and in terms of construction. Single complicated structures ‘dressed’ in a variety of claddings should be avoided.

3.21.1.2 Materials should be put together using similar construction techniques to those used traditionally in Arrowsmith.

3.21.1.3 The palette of materials should be restricted to those used traditionally in the Town Centre. It may be acceptable to use other materials, which meet the criteria of local and minimal processing.

3.21.1.4 Mortared stone

- a) A local stonework style has developed over the years using the local schist rock with earth / lime mortar. This style should be used for all stone external walls of buildings. Often these walls were whitewashed.
- b) Smooth cement plastered with plaster mouldings incorporated was used for the more elaborate of the Buckingham Street false fronts.
- c) Stone should not be used for secondary additions unless the primary element is also in stone.
- d) Stone should not be overused: more than half the primary forms in the Town Centre have always been light timber construction.

3.21.1.5 Corrugated iron (for roofs and wall cladding)

- a) Corrugated iron is the traditional roofing material.



Stone wall.

- b) Most roofs have traditionally remained unpainted. The old formula for galvanised iron weathers to a beautiful matte patina, but is unfortunately no longer available.
- c) Colorsteel is rather too shiny and is not recommended. Low gloss paint finish is acceptable.
- d) Zinalume and the modern galvanised steel are too bright and intrusive, and should not be used.
- e) “Oil only” steel is very bright at first, but appears to dull off to an acceptable extent after five or more years.
- f) Corrugated iron can also be used as a wall cladding. It is unlikely to be appropriate for a false front. Painted timber trim similar to that used with weatherboards should be used with corrugated iron wall claddings.

3.21.1.6 Timber Weatherboards

- a) Painted horizontal timber weatherboards in bevel back and rusticated profiles are common. They should be used with traditional trim like facings and boxed corners, and should be painted.
- b) Tongue and groove boarding is used for situations like the soffits of main street verandahs, and close butted boarding (often with decorative cut-outs) for closed ends of these verandahs.
- c) Non-timber weatherboards are not acceptable as they are an imitation of timber and are unlikely to retain their ‘pseudo’ timber appearance as the product ages.

3.21.1.7 Plaster

- a) Plaster has traditionally been used for false fronts /facades on stone buildings, and its role has gradually increased to disguise the module of the increasingly used concrete block.
- b) Plaster should be whitewashed or matt painted.
- c) Plaster styled to imitate stonework should not be used as it detracts from heritage character.

3.21.1.8 Brick

- a) The use of brick should be limited to its traditional role which included chimneys and on occasional lintels and trim in stonework. Fired brick was a relatively highly-manufactured, expensive and rare material in early Arrowtown.



Painted Weatherboard with boxed corner.



Brick used sparingly.

3.22 COLOUR

Early paint colours for walls were generally in the ochre / fawn / cream range, subdued in hue, which resulted in materials and buildings relating harmoniously to each other in most instances.

3.22.1 GUIDELINES: COLOUR

3.22.1.1 Colours for a building should be chosen to complement each other, adjacent buildings and their context. Each building should have its own colour scheme. A group of buildings should not have the same colour scheme.

3.22.1.2 Paint colours should be selected from Resene or Aalto Heritage Colour Charts, or closely compatible with these. Colours brighter in hue to those in the charts should be avoided.

3.22.1.3 For restoration projects, colours should replicate those colours discovered on the building by paint scraping.

3.22.1.4 For roofs there is little justification to depart from the Town Centre's predominantly grey roofscape, however, some tonal variation is appropriate.

4. OLD TOWN AND NEW TOWN RESIDENTIAL AREA GUIDELINES

These design guidelines apply mainly to the three residential zones in Arrowtown, as shown in the Proposed District Plan:

- Arrowtown Residential Historic Management Zone (ARHMZ)
- Proposed Medium Density Residential Zone (proposed MDR Zone)
- Low Density Residential Zone (LDRZ)
- The following guidelines set out in Section 4 are colour coded as follows:

-  ARHMZ
-  Proposed MDR and LDR Zones
-  General guidelines that apply to ARHMZ and Proposed MDR and LDR Zones where applicable

Users are reminded that not all guidelines apply to each area and the emphasis is placed to guide development close to and including the more historic parts of the Town Centre in more detail than those which sit at the outer extents of the Town. Developments on the boundaries of zones, areas or neighbourhoods should seek to blend the character of both, rather than provide for a hard edge. This is particularly the case for the proposed MDRZ where this adjoins the ARHMZ.

Importantly, under the Proposed District Plan all development comprising two or more residential dwellings per site in the LDRZ and the proposed MDRZ require resource consent with the Councils discretion being limited, amongst other matters, to the extent to which the development responds positively to Arrowtown's character, utilising the Arrowtown Design Guidelines. As a consequence, the Arrowtown Design Guidelines are fundamental to promoting positive design outcomes for development requiring resource consent within these zones.

4.1 CONSERVE HERITAGE CHARACTER

The heritage character of the ARHMZ is derived from the combination of natural and cultural features. It includes the context and setting, landform and cultural features such as roads, buildings, planting, walls and hedges and their relationship with each other.

It is essential that developments within the ARHMZ respect and conserve this heritage character. However, it is also important to ensure that elements of this character are seen in new developments in both the proposed MDR and LDR zones, so that they also contribute towards the unique character of Arrowtown.

Specific characteristics within individual neighbourhoods are highlighted in the descriptions in Section 2 of the ADG. Designers are encouraged to consider this detailed information and ensure that their designs embrace this to ensure that they closely reflect the individual character of each neighbourhood.

4.1.1 MAINTAINING AND EXTENDING THE CHARACTER OF THE ARROWTOWN RESIDENTIAL HISTORIC MANAGEMENT ZONE

A number of key elements combine to generate the heritage character and identity of the ARHMZ. These include:

- a) The grid street pattern - distorted in places to follow landform.
- b) The rich legacy of heritage buildings, features and vegetation.
- c) Cottage size buildings on large sections.
- d) Abundant vegetation - tall, mature trees, and other vegetation on both public and private land that dominate over built form.
- e) Avenues dramatising the main routes.
- f) Streets - narrow carriageway, gravel shoulders, grass verges and swales.
- g) Churches.
- h) Hedges (in particular), fences, and gates defining private lot boundaries and the street.
- i) The low-key rural town residential character.
- j) The sense of timelessness, the sometime semi-wildness, the non-perfect.
- k) The spacious, simple, uncluttered, peaceful character.
- l) Vistas and views - to the surrounding hills.
- m) The illustration in ARHMZ-Figure 1 and the plan views in ARHMZ-Figures 2 and 3 highlight a number of the key character generators. These key character generators, must be retained, individually and in combination.



Trees dominate over buildings.



Cottage sized buildings, abundant vegetation, hedges.



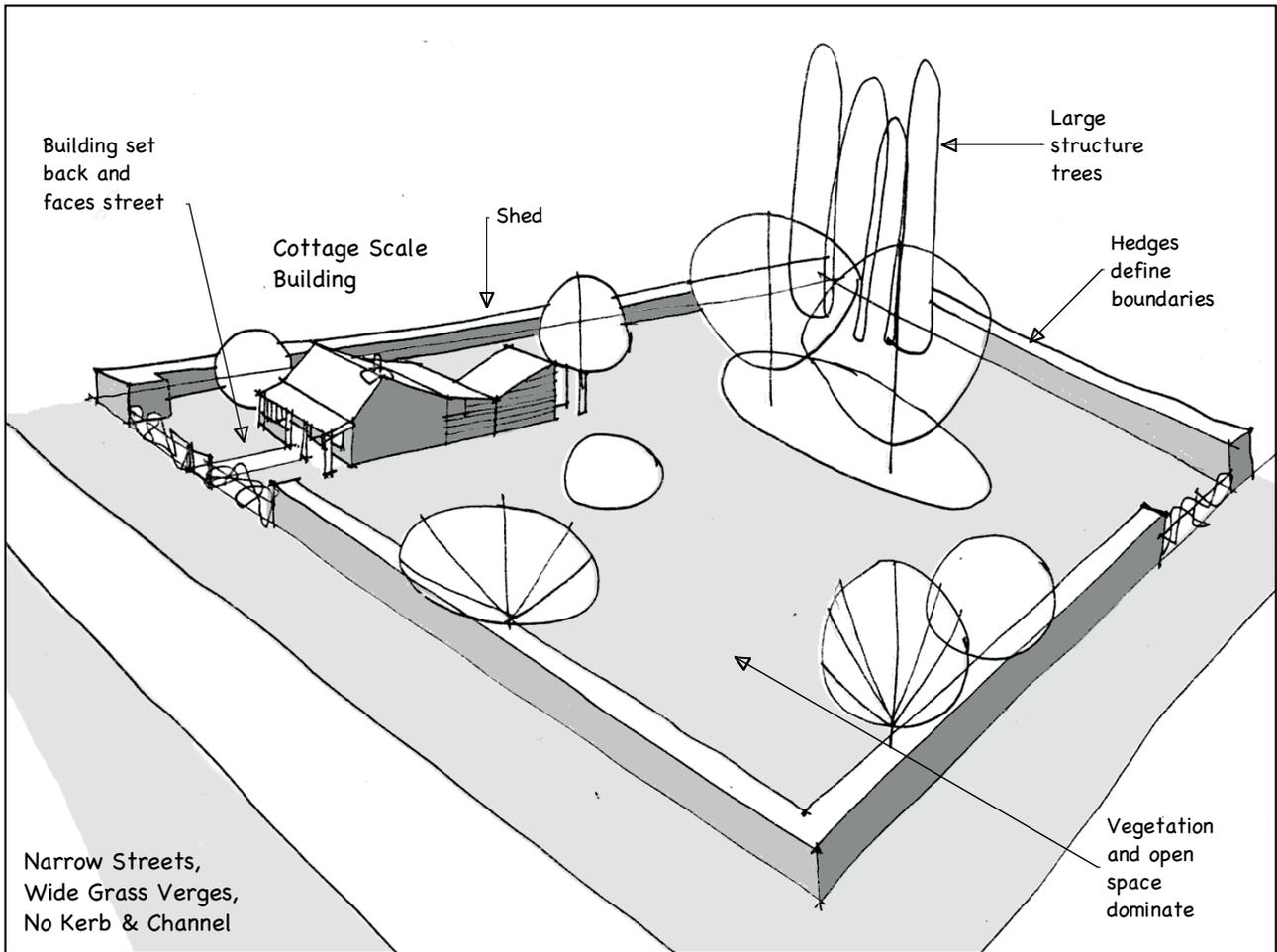
Narrow carriageway gravel shoulders, grass swales and verges with street trees.



Old stonewall and gate, 'crafted' with accrued patina.



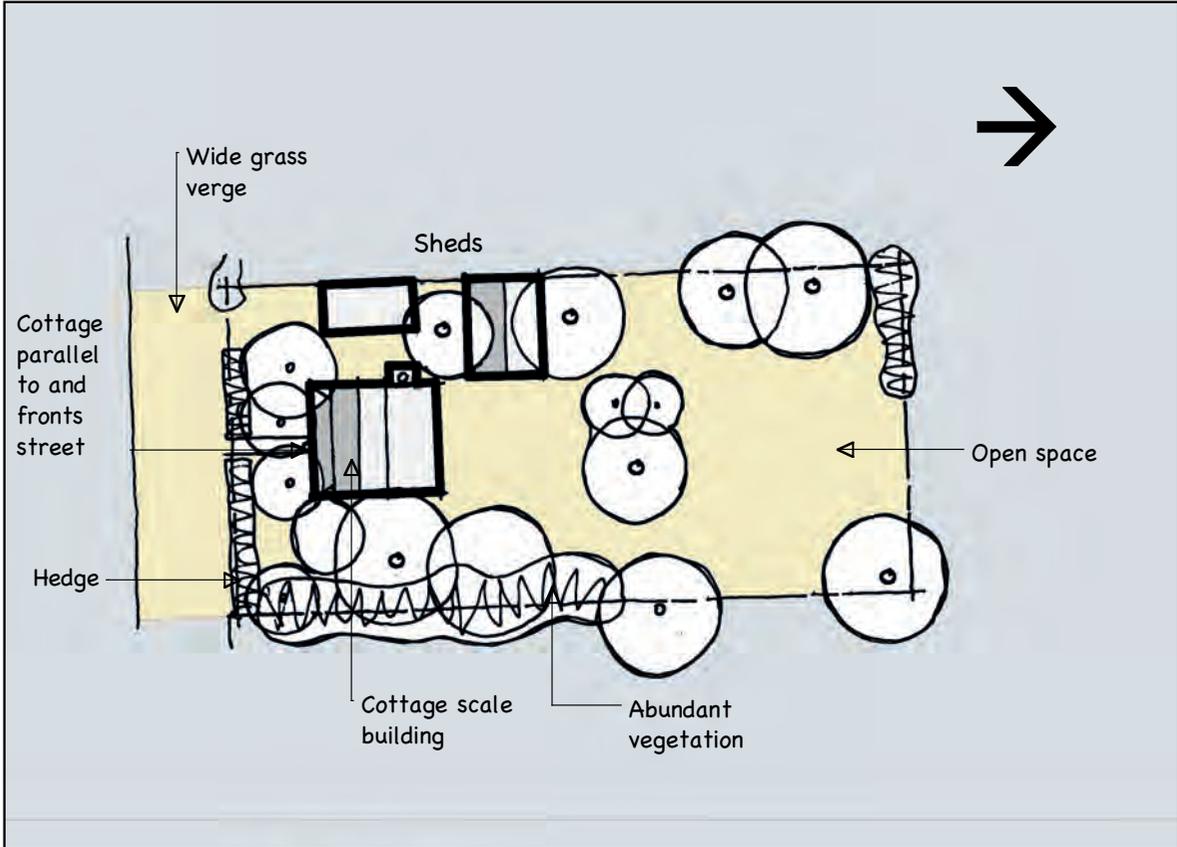
Caenarvon Street looking west, showing narrow carriageway, gravel shoulders and grass-verges and established street plantings, all of which are characteristic of the ARHMZ.



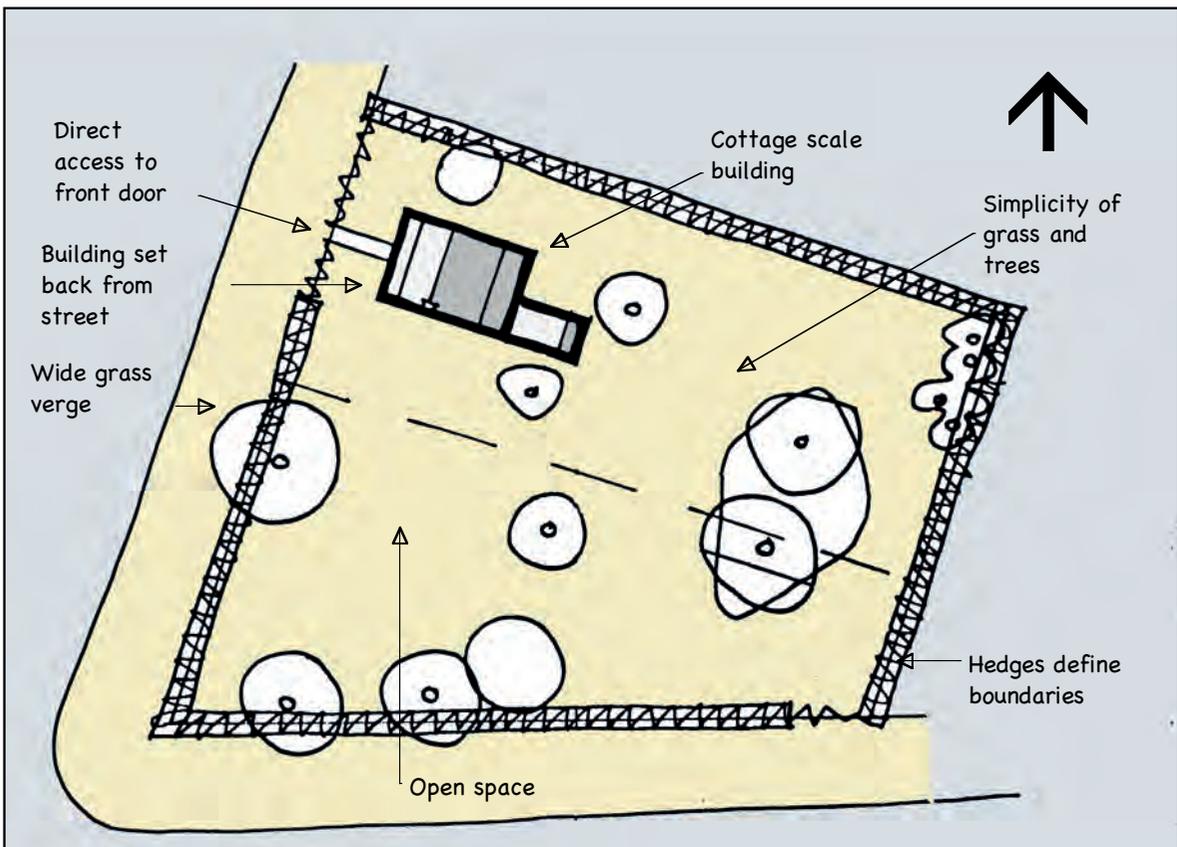
Merioneth Street double section

DEMONSTRATES CHARACTER GENERATORS

ARHMZ-Figure 1



ARHMZ-Figure 2



ARHMZ-Figure 3

The loss of, or change to, any of these elements can impact on the historic character and integrity of the ARHMZ as can the addition of new inappropriate/unsympathetic buildings, or other features. It is often the collective value of historic features that is important rather than each feature in isolation and small incremental changes can therefore cumulatively have an overall negative impact on the character of the area. It is therefore essential that the impact of all proposed developments within the ARHMZ on these elements is considered.

All schemes should identify and respect all sites and features including buildings, trees and other features, which contribute significantly to historic character of the ARHMZ, whether or not these are identified in the District Plan, as the loss of, or compromising of these features will significantly diminish the character of the Old Town.

Development in the proposed MDR and LDR zones that trigger the need for resource consent (or where this can be undertaken without the need for a resource consent), and other areas adjoining the ARHMZ should consider how they can incorporate these elements within their designs to ensure that they better reflect the character of Arrowtown. All development should seek to ensure that they have positive effects on the character of the ARHMZ and Arrowtown in general. It is essential that this is done when sites adjoin the ARHMZ to ensure that they do not have a negative impact on these elements.

A Conservation Management Plan for historic sites/historic buildings (prepared by a conservation architect/heritage specialist and a landscape architect) would be of great assistance for conservation and management guidance and is strongly encouraged

By selecting elements that contribute to the heritage character of the ARHMZ and incorporating them into the proposed MDR and LDR zones visual linkage and cohesion can be achieved between the New Town and Arrowtown's core. The Arrowtown identity can be extended throughout the Zones.

Elements that can be easily extended include:

- Tall mature trees, hedges and an abundance of other vegetation on both private and public land.
- Vegetation dominating over buildings.
- Buildings composed of small forms - single storey and distinct.
- Streets with narrow carriageways, grass shoulders, grass swales and wide grass verges, with evenly spaced street trees.
- Simple, natural materials for paving, driveways and hard surfaces.
- The spacious simple and uncluttered character.
- The sometimes semi-wildness, the non-perfect.

Several features could be included immediately, for example the addition of hedges, which is easy to implement and very effective, while others can be accommodated as opportunity arises.

Within neighbourhoods there are characteristics that could be enhanced over and above the general guidelines and these were identified in the neighbourhood descriptions.



Streetscape – the street and the features of the private section which contribute to the streetscape.



Small shed-out building.



Building subordinate to mature trees and vegetation.



The collective value of historic features is important.

4.1.2 GUIDELINES: CHARACTER PROTECTION AND CONSERVATION

4.1.2.1 Developments must conserve the historic character of the ARHMZ.

- a) Conserve and maintain the historic sites, open spaces, buildings, features and elements of the ARHMZ.
- b) Protect and enhance the key elements, which contribute to the character of the ARHMZ and their relationship with each other.
- c) Conserve the collective contribution of elements and features to site, streetscape vicinity, neighbourhood and area. It is often the collective value, irrespective of individual significance that is of major importance to historic character. For example; a cottage that is not listed in the District Plan may in association with other cottages and sheds, plantings, fences and the streetscape contribute in a major way to the historic character of the ARHMZ. It may also contribute significantly to the context of other more individually significant cottages.
- d) Assess all features for their contribution to historic character irrespective of whether or not they are listed on the Proposed District Plan. Importantly, do not remove any features prior to assessment and design.
- e) Respect and enhance the character of the ARHMZ and other Zones, the streetscape, the vicinity, vistas i.e. the setting and context.
- f) Encourage/Require Conservation Management Plans to be prepared for historic sites, buildings and features.

4.1.2.2 Include some of the heritage character elements from the ARHMZ into the LDR & proposed MDRZ.

- a) The historic character of the ARHMZ must not compromise or be compromised by developments in adjacent areas and vice versa. For example i.e. Developments in the ARHMZ must not compromise other areas e.g. The Town Centre.
- b) Where possible take steps to incorporate elements which contribute to the character of the ARHMZ into developments within the proposed MDR and LDR zones.

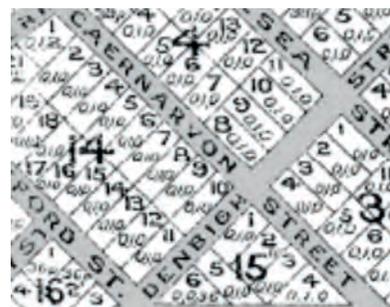
4.2 APPLY BEST PRACTICE HERITAGE CONSERVATION

4.2.1 GUIDELINES: HERITAGE CONSERVATION

4.2.1.1 Within the ARHMZ development decisions must be in accordance with best practice heritage conservation principles.

4.2.1.2 Follow the principles in the New Zealand ICOMOS Charter, 2010.

- a) Manage change so that the historic relationship between feature/structure and site is not lost.
- b) Conservation requires the least possible intervention with the historic fabric of a site.
- c) Processes of preservation, restoration, reconstruction or adaptation may be appropriate in defined circumstances. Heritage conservation is a specialist field, and appropriately qualified experts should be used to provide guidance.
- d) Conservation of historic sites, buildings and features should be in accordance with the New Zealand ICOMOS Charter, 2010.
- e) New works are to be identifiable of the era of their construction while respecting the guidelines.
- f) Retain and enhance existing plantings. Understand their role on the site, within the area and the town. New plantings should be appropriate.



Rectangular lot pattern. The historic lot size and was 1 rood or 1/4 acre.



Example of recent medium density residential development in Arrowtown, with a single house still facing street frontage on each lot.

4.3 SETTLEMENT PATTERN: STREET LAYOUT, LOT SIZE AND PATTERN

The street layout of the ARHMZ is essentially a grid with some distortion in places to allow for topographical variation. This layout and historic patterns of use contribute to historic character.

The original predominant 1/4-acre (1012m²) lot was rectangular. Subdivision of many of these lots has occurred. Within the ARHMZ the remaining 1/4-acre lots are important to the historic character of the area. However, it is recognised that in the proposed MDRZ there is likely to be the further subdivision of existing lots. This should be done in a way which respects the prevailing character of the area.

For instance, whilst not often seen as good urban design practice, in the Arrowtown environment in the proposed MDR and LDR zones where they adjoin or are adjacent to the ARHMZ it may be best to consider subdividing the front and rear of a lot from each other, rather than dividing a lot lengthways. That way a single house will still front the street rather than two closely spaced houses which would appear more dominant than the norm.

4.3.1 GUIDELINES: SETTLEMENT PATTERN

4.3.1.1 Within the ARHMZ respect the historic grid street layout and lot pattern and size.

- a) Retain the grid street layout and avoid the closure of roads.
- b) Within the ARHMZ retain the rectangular lot pattern and size; the 1/4 acre (1012m²) lot should not be subdivided.



Preserve simplicity of street trees, grass verges, and hedges in the ARHMZ and neighbouring zones.



Avoid boulders and planting which disrupt grass verge and visual cohesion of the street.

4.3.1.2 Subdivision within the LDR and proposed MDR Zones which adjoins the ARHMZ should respond to the historic grid street layout of ARHMZ.

- a) In situations where subdivision is a discretionary activity (as provided for under the Proposed District Plan), such as the proposed MDRZ, the layout pattern visible from the street should reflect the rectangular historic layout and utilize building coverage and site planning, i.e. the location of buildings, vegetation and open space visible from the street should reflect the ARHMZ and conserve the other historic characteristics of the area. This outcome is essential where the proposed MDR and LDR zones adjoin or are adjacent to the ARHMZ.
- b) In situations where lots are being amalgamated within the proposed MDRZ and LDRZ consideration should be given to how future development will maintain the historic character of the ARHMZ.

4.4 REDEVELOPMENT, UPGRADE AND NEW SUBDIVISION

Opportunities should be taken to extend some of the heritage character elements of the ARHMZ and old Arrowtown in any new subdivision or redevelopment of part of an earlier subdivision. This includes using narrow streets with wide grass verges and swales.

The use of a more rectangular/ grid layout combined with back lanes for parking would enable reduced domination of car parking and garaging to the street. In addition, houses would be able to be designed more easily to relate to the street.

4.4.1 GUIDELINES: REDEVELOPMENT, UPGRADE AND NEW SUBDIVISION WITHIN THE LDR & PROPOSED MDR ZONES

4.4.1.1 Strengthen the links to the character of the ARHMZ and Old Town in any new development or area of re-development within the LDR & proposed MDR Zones.

- a) A street layout based on a more rectangular/grid layout.
- b) Keep streets narrow with wide grass verges, swales and street trees. No concrete kerbs and channel.
- c) Include back lanes for parking, running longitudinally through blocks (as in Roman's Lane or Arrow Lane) to encourage parking and garaging at the rear of sections.
- d) Where possible, design houses to relate to the street and encourage neighbourhood interaction and safety in the streets.
- e) Design houses with small visually distinct forms as opposed to one large building under a single roof.
- f) Continue the system of neighbourhood parks and link with the existing system of parks.

4.5 THE PRIVATE SECTION: SITE PLANNING AND DESIGN

Spaciousness is a key characteristic of Arrowtown and a sense of space can be created by applying some key principles to the placement and design of the house and layout of the garden.

The siting of buildings in relation to the street together with the scale of buildings, (height and bulk), is critical to character. Large buildings, for instance, located close to the street have the effect of being very dominant especially if they occupy almost the full width of the lot.

The site plan relates to the way buildings and elements are placed within the lot. This plays an important role in historic character management of the precinct and of the streetscape

In the ARHMZ residential buildings are predominantly orientated with main walls and rooflines parallel to the boundaries of the rectangular lot. Since most buildings were rectangular in form, this siting pattern helped reinforce the grid layout of the Old Town. In some streets there are slight variations in pattern and occasional differences in response to topography or other factors.

Garages were usually placed further to the rear of the section than the front of the building with straight-line access from the road. On occasion they were separate structures (one car garages) immediately adjacent to the street.

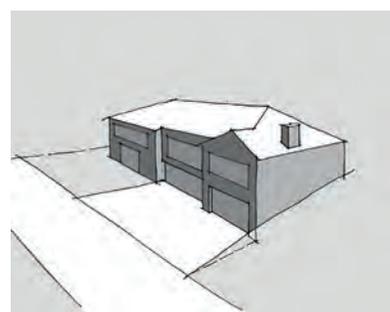
Pedestrian access usually approached the centre front of the building directly from the street through a separate entrance. Formality in the garden layout was often a feature in the front yard.

Hedges and fences were used on boundaries, which reinforced the grid layout of street and lots.

Development can affect neighbouring properties in terms of compromising the setting, historic character, views or sun.



Path leading directly to primary entrance, formality in garden layout.



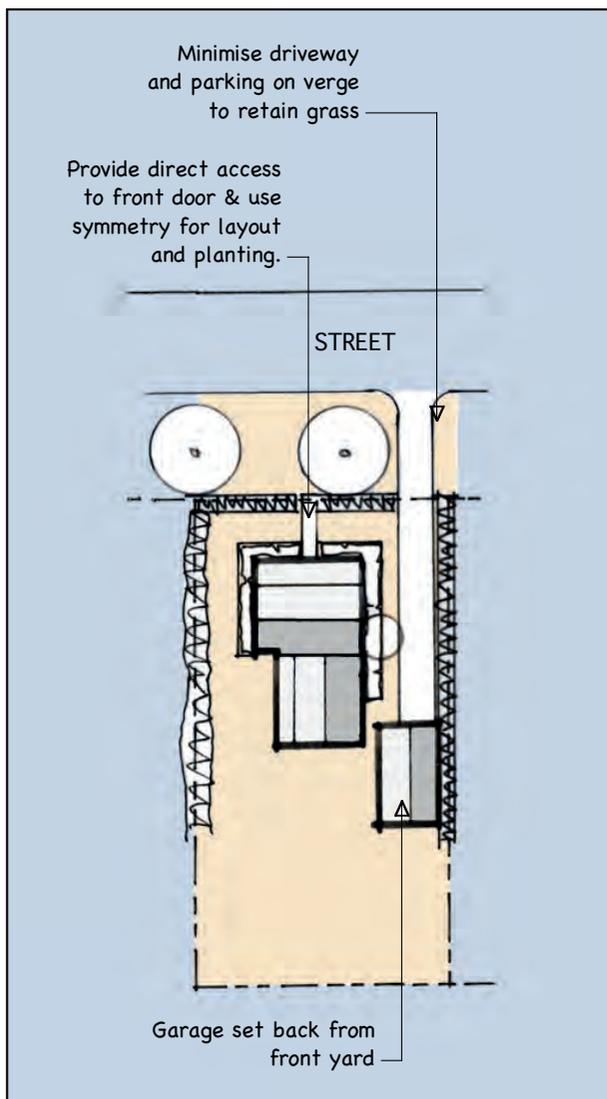
Avoid double storey buildings located close to the street dominate and are aggressive to the street. Dominant garages and wide driveways are not the Arrowtown character.

4.5.1 GUIDELINES: SITE PLANNING AND DESIGN

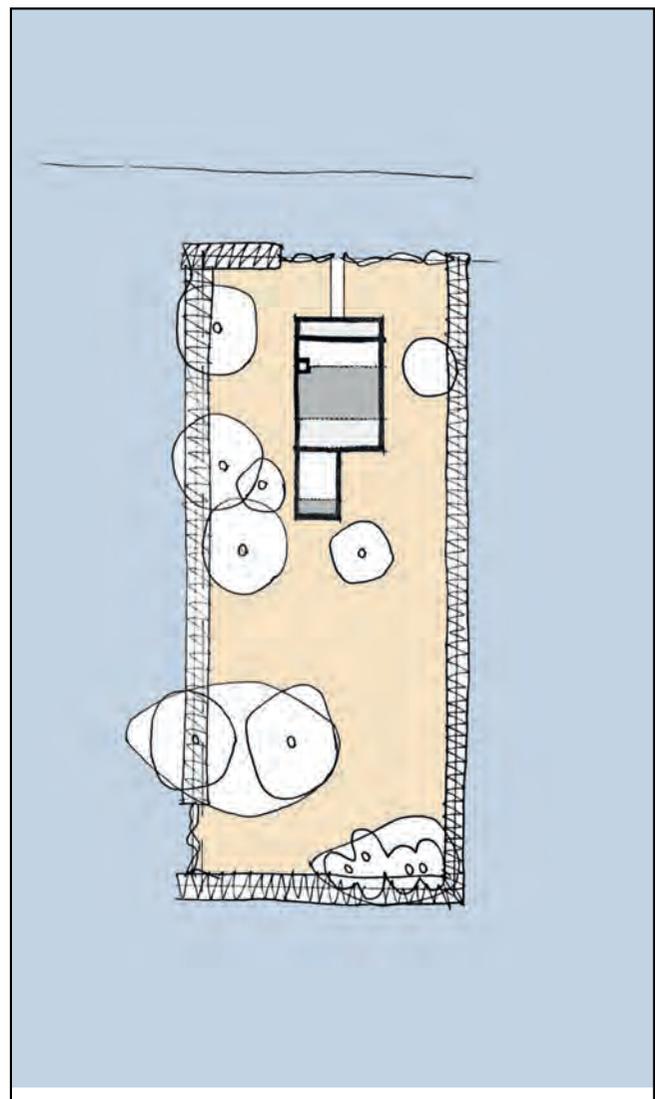
4.5.1.1 Within the ARHMZ developments should reinforce the historic layout within lots.

- a) The site layout in terms of buildings and spaces should reflect historic layouts.
- b) New buildings should be orientated parallel to boundary lot lines, or similar to that of historic building orientations in the vicinity or neighbourhood.
- c) Buildings should be set back from the street a similar distance to those traditional buildings in the vicinity or neighbourhood.
- d) Garages should be set back further than the front of the house and preferably to the rear of lots with straight-line access from the street.

- e) Houses should have a clearly defined primary entrance that is oriented towards the street. Use direct street to door pedestrian access.
- f) Consider the use of formality in the layout of the garden and planting in front yards - rectangular garden beds, straight lines.
- g) Define property boundaries with traditional type hedges, fences and walls.
- h) Retain/create a sense of spaciousness through site layout and building coverage. Consider the relationship with adjacent public open space (and neighbouring sections, to add to the apparent sense of space within the zone).



Orient new buildings parallel to lot lines.



Hedges and fences to define boundaries.

ARHMZ-Figure 4

4.5.1.2 Where the proposed MDRZ immediately adjoins the ARHMZ, developments should respect the historic layout typical of lots within the ARHMZ.

- a) The site layout in terms of buildings and spaces should appear from the street to reflect historic layouts, consistent with those found within the adjoining ARHMZ. Subdivision of lots within the proposed MDRZ should be subdivided so that the front and rear of a lot are subdivided from each other, rather than dividing a lot lengthways. Subdivision within the proposed MDRZ should seek to ensure that a single house will still front the street rather than two closely spaced houses which would appear more dominant than the norm. This is characterised in Figures MDRZ-Figure 1, MDRZ-Figure 2 and MDRZ-Figure 3 on page 102.
- b) New buildings, whether at the front or rear of a site, should be orientated parallel to boundary lot lines, or similar to that of historic building orientations in the vicinity of the ARHMZ.
- c) Buildings with a street frontage should be set back from the street a similar distance to those traditional buildings in the ARHMZ.
- d) Garages for buildings with a street frontage should be set back further than the front of the house (as per the MDRZ-Figures 1, 2, 3) and be designed so that vehicles and their requirements do not dominate the street frontage of sections.
- e) Houses with a street frontage should have a clearly defined primary entrance that is oriented towards the street. Use direct street to door pedestrian access.
- f) Consider the use of formality in the layout of the garden and planting in front yards - rectangular garden beds, straight lines.
- g) Define property boundaries with traditional type hedges, fences and walls, which are consistent with those design outcomes for the ARHMZ (as this relates to boundary treatments).
- h) Retain/create a sense of spaciousness through site layout and building coverage. Consider the relationship with adjacent public open space (and neighbouring sections, to add to the apparent sense of space within the area.
- i) Carefully consider the extent to which any infringement to the density and bulk and location requirements for the proposed MDRZ will compromise the historic character of the ARHMZ.

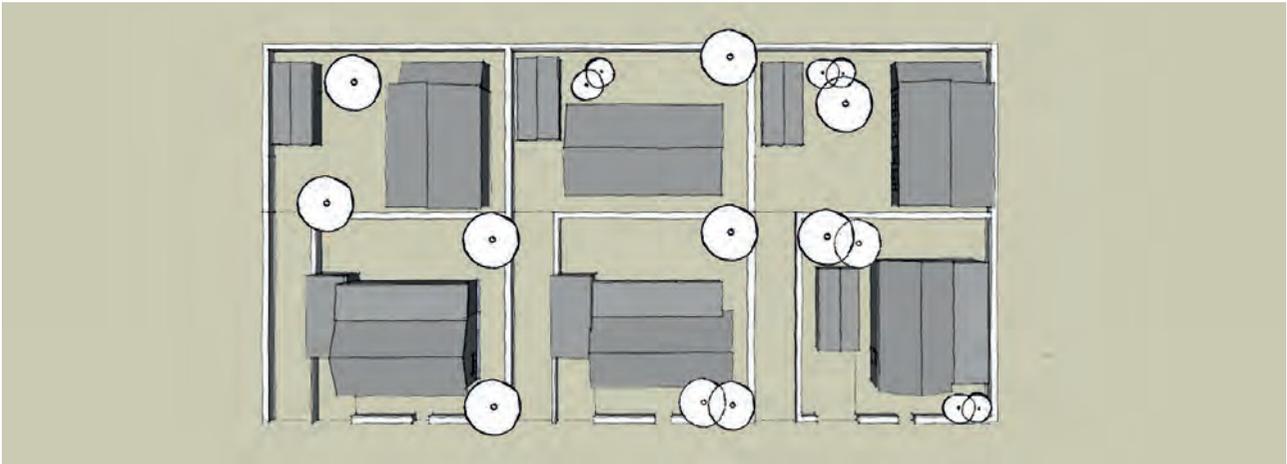


New development on Suffolk Street located within LDRZ reflecting scale, layout, fencing and simple planting reflective of the adjoining ARHMZ.



MDRZ-Figure 1

(Figures 1, 2 and 3 have been designed utilising the Proposed District Plan bulk and location standards, and therefore accurately reflect the potential built form that could be generated within the proposed MDRZ)



MDRZ-Figure 2



MDRZ-Figure 3

4.5.1.3 Within the LDR zone, new development/redevelopment should aim for a more spacious appearance with reduced domination by buildings.

- a) Relate part of the house to the street i.e. have a door and windows facing the street that looks inviting. Avoid a closed off back of house presentation to the street i.e. garage and no windows or doors. This also helps provides safety to the street and neighbourhood and can contribute to a sense of belonging.
- b) Set part of the building back from the street to allow 60 % of the street frontage to be in garden or green space not hard surface.
- c) Garages for buildings with a street frontage should be set back further than the front of the house (as per the MDRZ-Figures 1, 2, 3) and be designed so that vehicles and their requirements do not dominate the street frontage of sections.
- d) Keep the front garden simple, e.g. hedges, grass, trees and simple plantings.
- e) Screen sheds (garden and other) from the street.

4.5.1.4 The historic character of adjacent sites (and enjoyment of neighbours) must not be compromised.

- a) Consider and do not compromise the historic character of neighbouring properties, the vicinity, and wider area i.e. the setting and context.
- b) Consider and respect the effects on neighbour's sun and views.

4.6 EXISTING BUILDINGS AND NEW CONSTRUCTION

Buildings are a major determinant of character and streetscape within the ARHMZ and Arrowtown as a whole. It is very important that new buildings, within any of the Zones, do not begin to look just like contemporary housing elsewhere in the District.

The protection of heritage character is a priority in Arrowtown and the ARHMZ in particular and buildings that contribute to this character should be conserved and maintained.

The ARHMZ is an established area and there is unlikely to be any development site that is completely without existing buildings (and/or vegetation). There is a real danger that the existing buildings (and vegetation) that make a positive contribution to the character of the neighbourhood will be seen as constraints to development when, in fact, they represent the best chance of new development fitting into a site and the area.

All new construction in the ARHMZ is a Restricted Discretionary Activity under the Proposed District Plan, with the Council's discretion over a number of limited matters, including the consideration of these Guidelines.

As a consequence, the application of these guidelines will assist achieve better heritage design outcomes for Arrowtown.

The key to new construction being successful and fitting with the heritage character of the area comes from understanding the heritage buildings of the area. From an analysis of the existing traditional buildings, 'cottages' and 'sheds' have been identified as the typical buildings types within the area. It is from these building types that new construction should take its lead.

This does not mean exact replication of existing buildings. A contemporary building can be designed to fit with the heritage character while working within the design framework set by traditional buildings types. For example, the gable roof form is both a heritage and contemporary form.



Summers Orchard, an arrangement of simple, cottage scale forms.



Sheds or outbuildings are highly characteristic accompaniments to Arrowtown Cottages.

4.6.1 GUIDELINES: EXISTING BUILDINGS AND NEW CONSTRUCTION IN ARHMZ

4.6.1.1 Conserve the existing buildings that contribute to the heritage character of the ARHMZ and other Zones.

- a) Protect and preserve all buildings identified in the Operative and Proposed District Plan as having historic value and ensure their conservation and maintenance.
- b) Do not clear the site as a preliminary exercise to planning a development. Assess all existing buildings (and vegetation) for their contribution to the character of the area. Where they have heritage value, retain and incorporate in the development's design.
- c) The untimely removal of fabric important to the area should require reinstatement.
- d) Refer to the explanation and apply the guidelines for Conserve Heritage Character at section 4.1.1 and guidelines set out at 4.1.2 of this Guidance.

4.6.1.2 Adopt the essential characteristics of the ARHMZ's two fundamental building types as the 'model' for new work within the ARHMZ.

- a) Apply the characteristics of form, scale, composition, details and materials of the cottage and shed building types to new construction.
- b) Buildings should vary, both from lot to lot and within a lot. Differences may be quite subtle, but there must not be mechanical repetition. There should also not be exact replication of ornament from lot to lot. A fundamental characteristic of traditional buildings is that there is strong thematic unity between buildings and that this is achieved without repetition in design.
- c) Respect in building layout and design the traditional placement of buildings within lots. (Refer the Private Section: Site Planning and Design, set out in ARHMZ-Figure 4 as this relates to the ARHMZ (pg 100 of this guidance).

4.6.1.3 New construction should be identifiable as contemporary.

4.6.1.4 New construction must be in sympathy with its context.

- a) New construction must not overpower, (in particular in terms of scale), the cottage and shed building types or dominate its context.

4.6.1.5 Do not introduce false history

- a) Do not build replicas of Arrowtown cottages or sheds or replicas of historic examples from other places as this undermines the real heritage value of the zone.
- b) Do not make exact copies of the characteristic detail or ornament of historic buildings.

4.7 THE COTTAGE AND SHED BUILDING TYPES

The buildings that generate the character of the zone are the low single-storey cottages, which are made from a combination of small scale elements/cells and the sheds.

4.7.1 FORM, SCALE AND COMPOSITION (LARGER FLOOR AREAS)

Scale, form and elements/cells are important concepts in the analysis of building types and are defined as follows.

- Scale is the size of a building or a building element.
- Form is the three dimensional shape of a building.
- The 'primary element/cell' of a building is the term used in the guidelines for the simplest form of a building that is structurally self-supporting. It may or may not have secondary elements, such as the lean-to or verandah, attached. (This is an extremely useful concept in the analysis of the ARHMZ building typologies).

The diminutive scale of the cottage building type is a fundamental characteristic of the ARHMZ. Analysis of a number of cottages suggests dimensional parameters that new construction needs to comply with in order to be of appropriate scale.

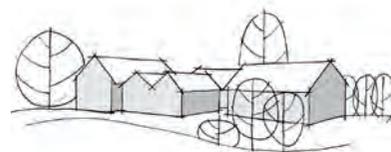
The District Plan identifies some dimensions for the cottage primary element/cell, but it should be remembered that these are intended as limits, (maximums), not optimums.

Measured drawings were undertaken of a range of early Arrowtown cottages to assist with the analysis of dimensions. These measurements show that the primary element/ cell is typically a rectangular footprint (plan view) with a gable roof with ridgeline parallel to the street and a roof pitch of 25°-40°. The gable is sometimes unequal, with a steeper pitch facing the street. Eaves are short (200mm max) or absent. The height at the eaves is often very low (e.g. 1.8m clear). These dimensions are important to ensure that the proportions of new buildings are appropriate in form and scale. See ARHMZ-Figure 4, ARHMZ-Figure 5, and ARHMZ-Figure 6, which show drawings of some of the cottages analysed.

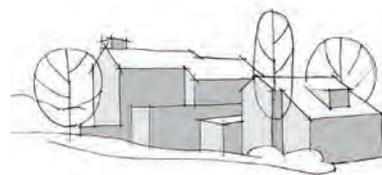
This analysis confirms the District Plan's provisions, but indicates that most cottages are shorter in length and some are of greater width than the limits identified, and therefore, a smaller primary element/cell would be more ideal.

Sheds or outbuildings are characteristic accompaniments to Arrowtown cottages. They are typically very small (smaller than cottages and smaller than sheds in the town centre), and are usually, but not always, placed to the rear of the cottage. Often there is more than one shed.

Both the cottage and the shed primary elements can have secondary elements attached. The lean to is generally used as a verandah or enclosed. Specialised secondary elements include the chimney (very common) and the bay window (rather rare). See ARHMZ-Figure 10.



Cottage scale and form.



Oversized scale and form.



31 Merioneth St.



Shed, 18 Wiltshire Street.

Larger floor areas (footprints) can be achieved by applying an additive/multicellular approach of primary elements/cells to the composition of buildings. There is, however, a limit to the overall size of the footprint, above which this approach will be unsuccessful and the building will detract from the areas character.

4.7.2 GUIDELINES: THE COTTAGE AND SHED BUILDING TYPES.

4.7.2.1 24.6 Scale is absolutely critical to successful new construction. The scale of new construction within the ARHMZ must reflect that of traditional cottages and sheds. Within the proposed MDR and LDR zones there is greater scope to move away from this, but careful attention must be given to the proposed buildings to ensure that they do not become out of scale with the general character of Arrowtown.

4.7.2.2 New construction within the ARHMZ must comply with the following dimensional parameters for successful heritage character management.

- a) Both optimum and maximum dimensions are provided.
- b) New construction should follow the optimum guideline to fit best with the scale of the Precinct. Maximum dimensions should not be exceeded.
- c) Cottage primary element/cell dimensions

Optimum
Approx 8.0m long by 4.0m wide; 2.5m high at the eaves;
3.5m high or less at the ridge, 30 square metre floor area;
90 cubic metres volume.

Maximum
12.0m long by 4m wide; 3.0m high at the eaves; 4.0m high at the ridge;
50 square metre floor area; 150 cubic metre volume.
- d) Shed primary element/cell dimensions

Optimum
12 sq m floor area; 2.5m high at the eaves;
See ARHMZ-Figure 11, for width, length and height alternatives.

Maximum
20 sq m floor area.
See ARHMZ-Figure 11 for width, length and height alternatives
- e) Secondary element dimensions

The enclosed lean-to: Maximum width 4.0m
The Verandahs: Maximum width 2.0m
A lean-to does not have to be full width of the primary element to which it attaches.

4.7.2.3 New construction should be low, single storey and adopt the following building forms.

a) Cottage primary elements/cells

Rectangular footprint.

Equal gable 25 - 40 pitch. (An unequal gable (outshot) is a possible variation, with the steeper pitch facing the street). See ARHMZ-Figure 11, for alternatives that may be acceptable.

b) Shed primary elements.

Equal gable 25 -40 or monopitch 10 -20.

See ARHMZ-Figure 11 for possible alternatives

c) Secondary elements.

Lean-to 10 to 20 pitch. (It should be less steep than the primary element it is attached to).

4.7.2.4 The first primary element of the cottage should relate to the street.

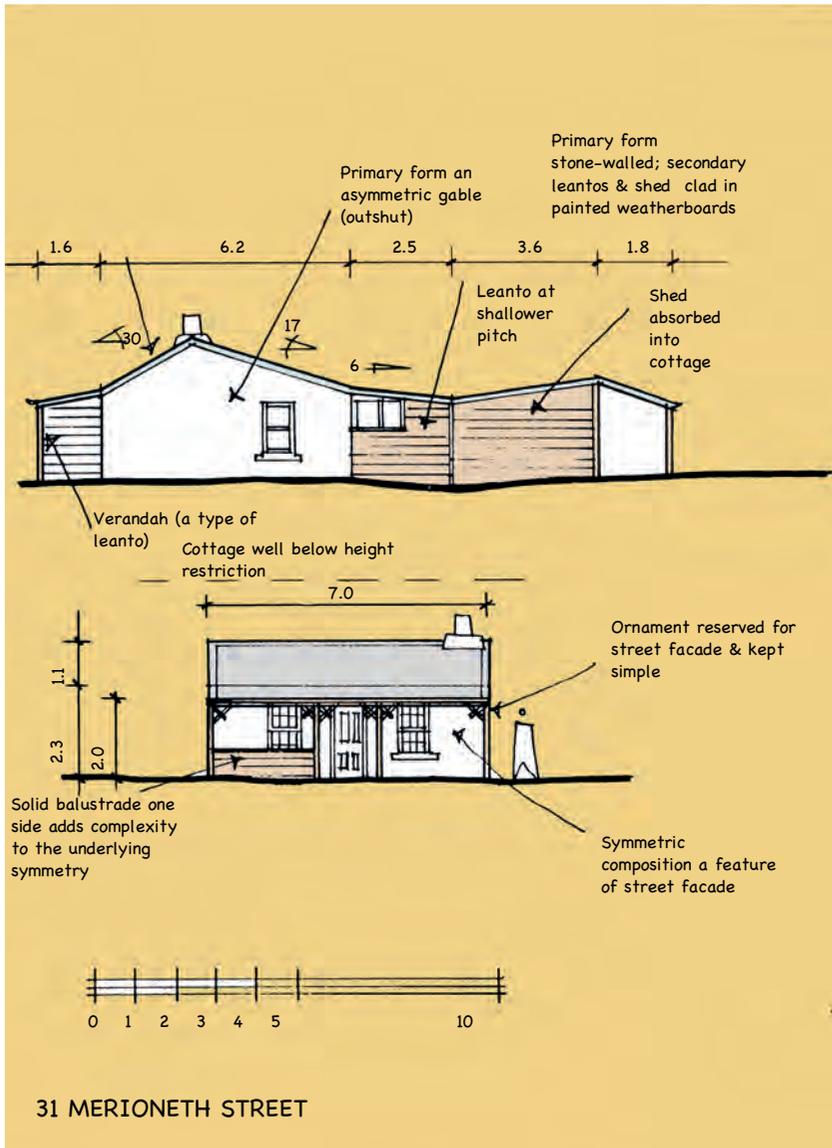
a) The ridgeline of the first primary element should be parallel to the street boundary.

b) The street facade should be treated symmetrically and should incorporate the entry door and windows.

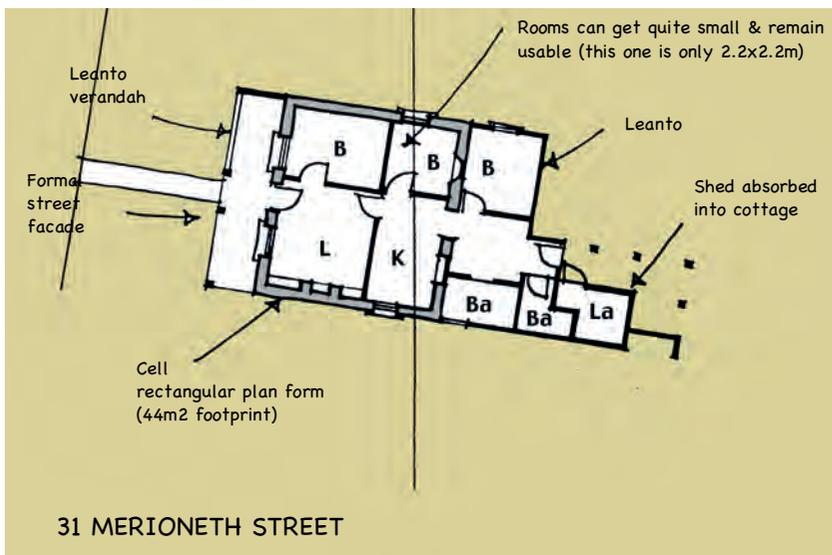
c) A verandah (secondary element) facing the street should be the full width of the primary element. It may be hipped at the ends, draped or (rarely) bull-nosed. Ornamentation should be restrained and simple (e.g. brackets and post mouldings) and should be variations on, not replicas of, existing examples.

d) The components of the verandah should not be larger than required for structural purposes. For instance 150mm x 150mm posts would be oversized.

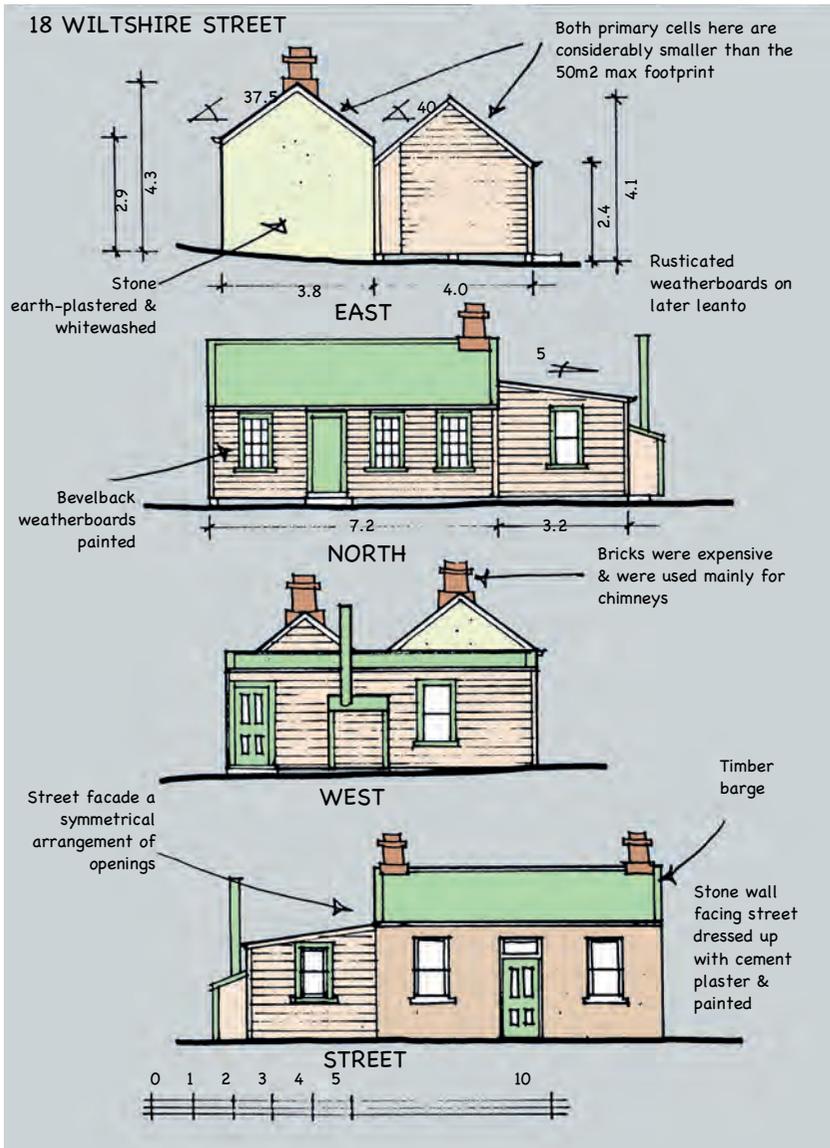
e) Symmetry and non-functional ornament should feature only on the street facade of buildings.



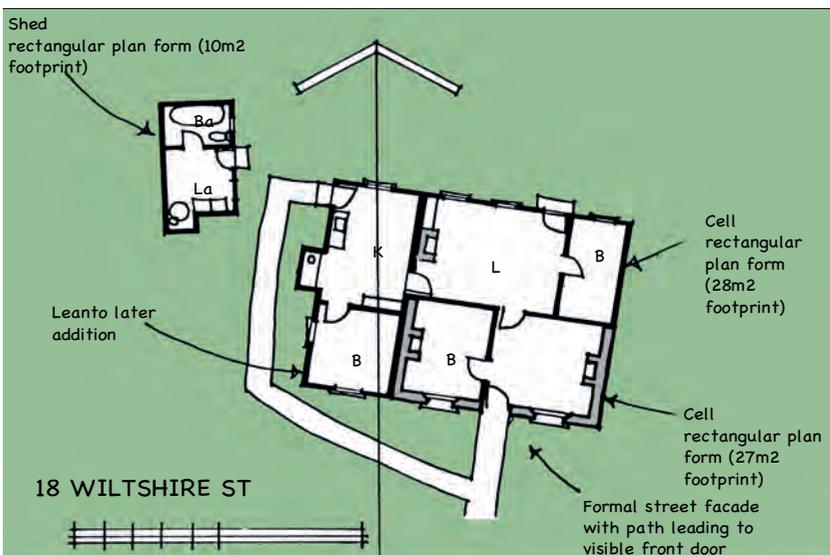
ARHMZ-Figure 4



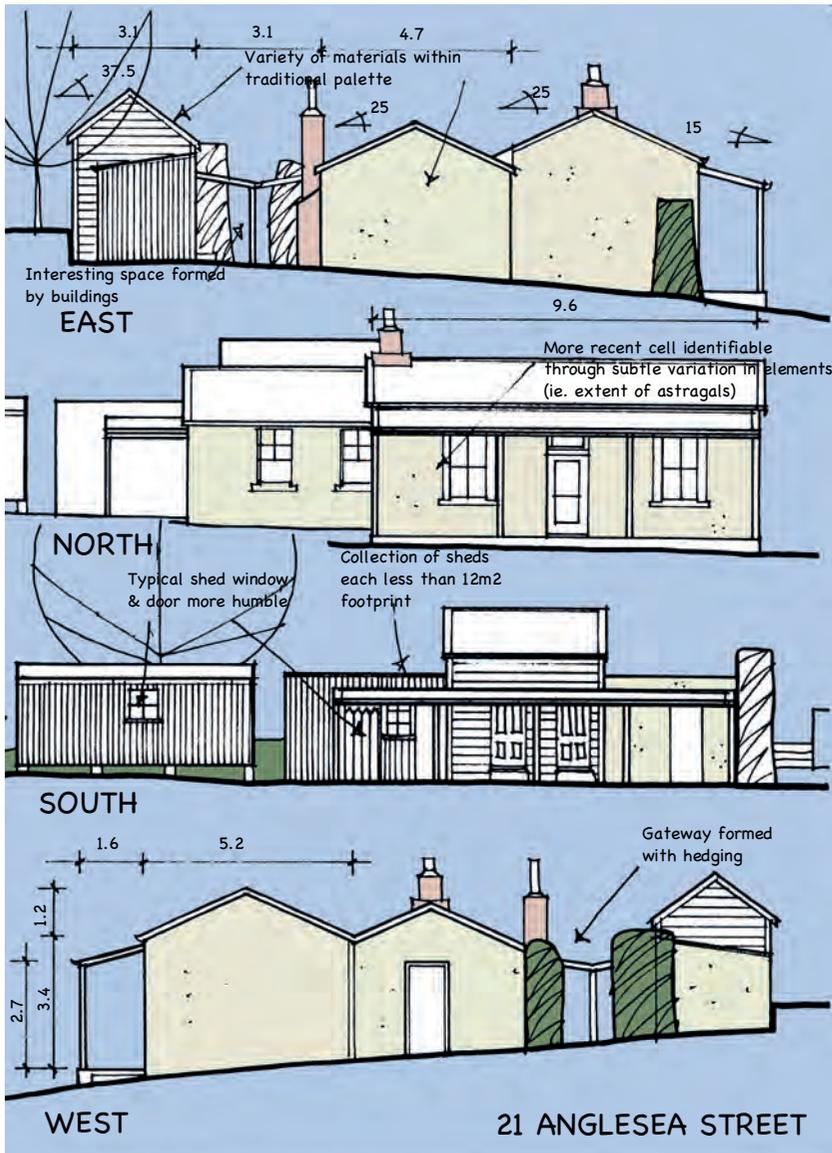
ARHMZ-Figure 5



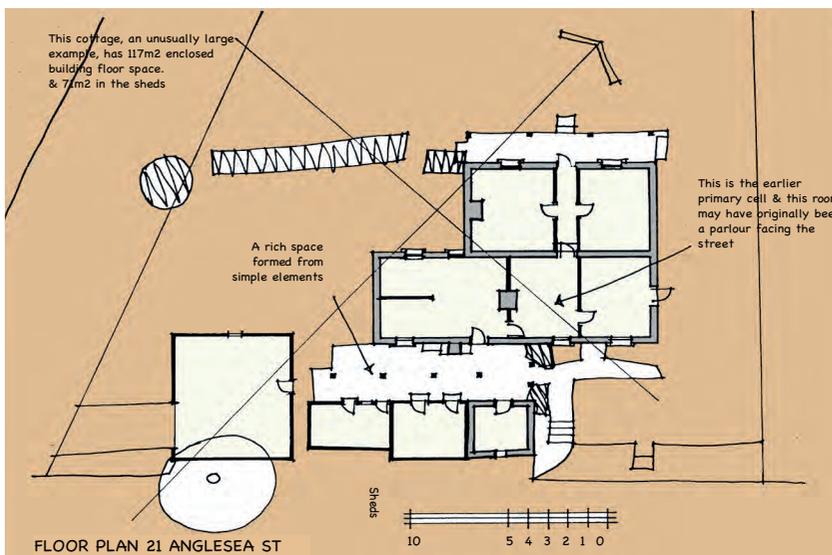
ARHMZ-Figure 6



ARHMZ-Figure 7



ARHMZ-Figure 8



ARHMZ-Figure 9

4.7.3 GUIDELINES: BUILDING COMPOSITION (LARGER FOOTPRINTS)

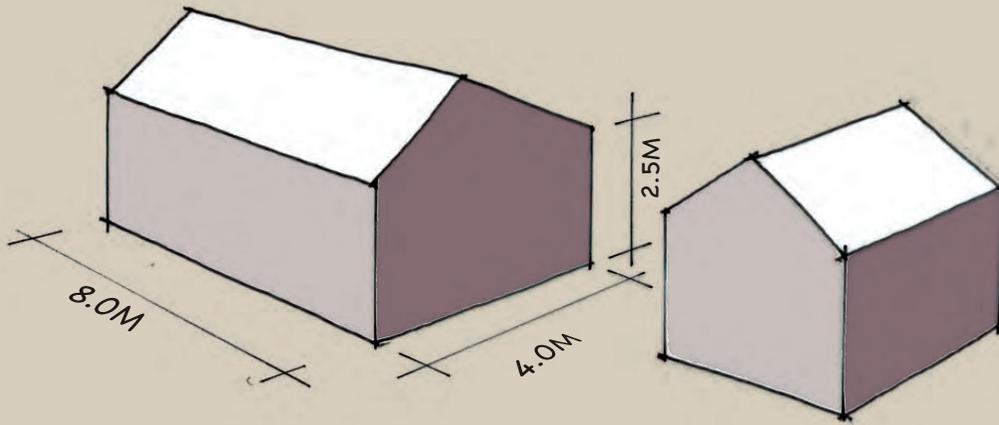
4.7.3.1 For larger footprints take an additive/ multicellular approach.

4.7.3.2 The primary element/cell should be the basic building block.

- a) Two or more primary elements appropriately arranged on a site are likely to be the most acceptable way of increasing floor area.
- b) Consider the building as an evolving collection of elements/cells that adapts and grows over time. This process can create interesting outdoor spaces.
- c) Primary elements should be simple and visually distinct with individual roofs.
- d) Exact duplication of elements within a composition is not acceptable.
- e) A total building footprint larger than 180 square metres should be subjected to very careful scrutiny, as it is difficult for a building above this size to appear cottage-like.
- f) Refer ARHMZ-Figure 12 and ARHMZ-Figure 13 which illustrates the concept of the multi-celled building
- g) Some variation in forms may be acceptable. This is discussed more fully below.

Cottage
 Approx 30m² floor area
 and 90m³ volume

Shed
 Approx 12m² floor area
 and 32m³ volume

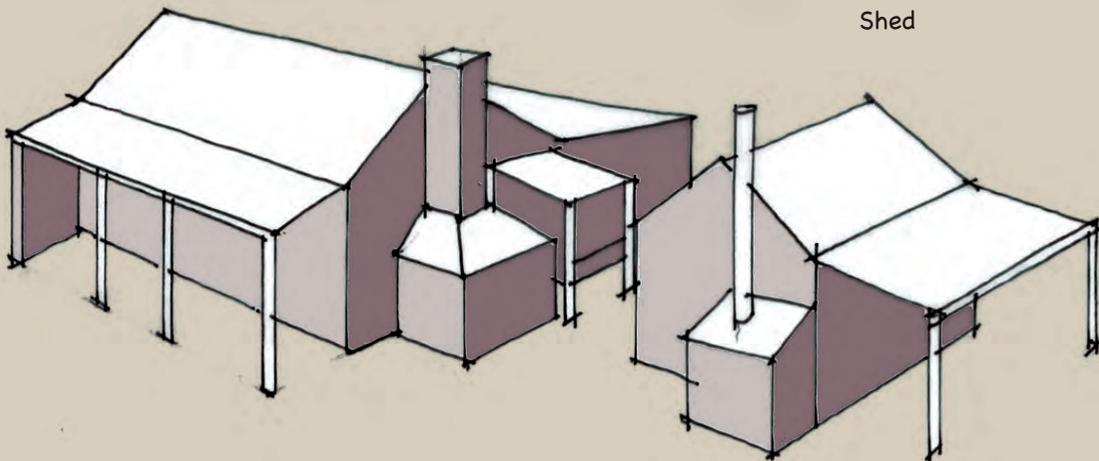


The basic primary elements are of;

- small size
- simple form
 - rectangular footprint
 - gabled roof
 - no eaves
 - structurally independent

Cottage

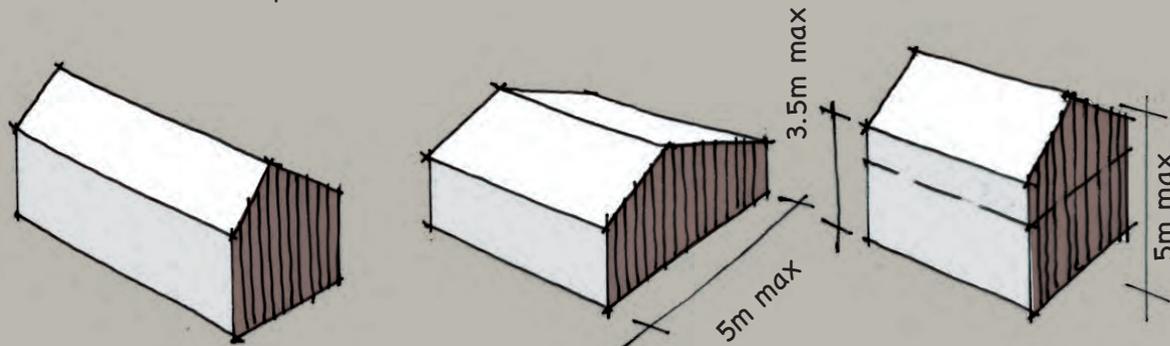
Shed



The basic primary elements with secondary elements attached
 Secondary elements are also of;
 -small size and simple form
 -limited in number and extent so that each element
 (Including the underlying primary element)
 remains visually distinct.

COTTAGE PRIMARY ELEMENTS

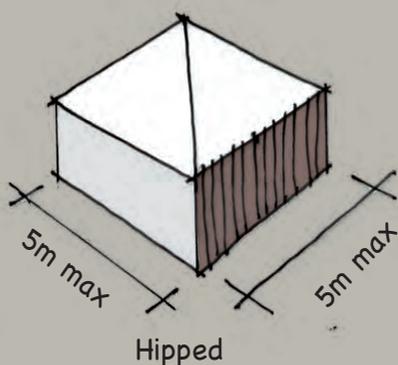
Volume limit allows quite a lot of variation in form



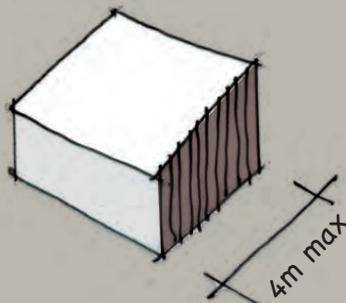
long and narrow

short and wide

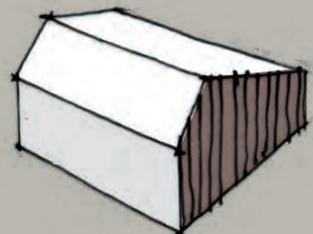
1/2 storey high
(short and narrow)



Hipped



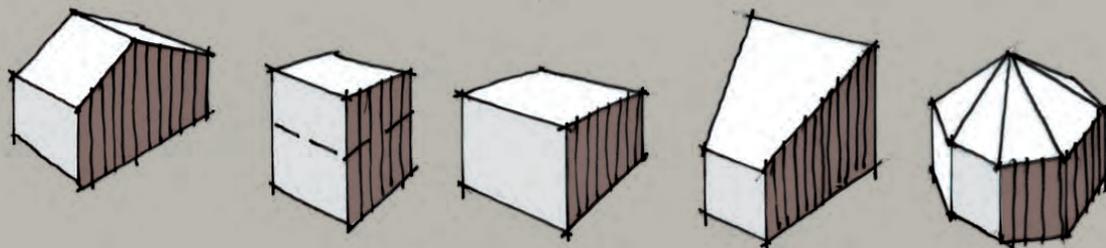
Monopitched
(like the post-war cribs)



Asymmetric gable

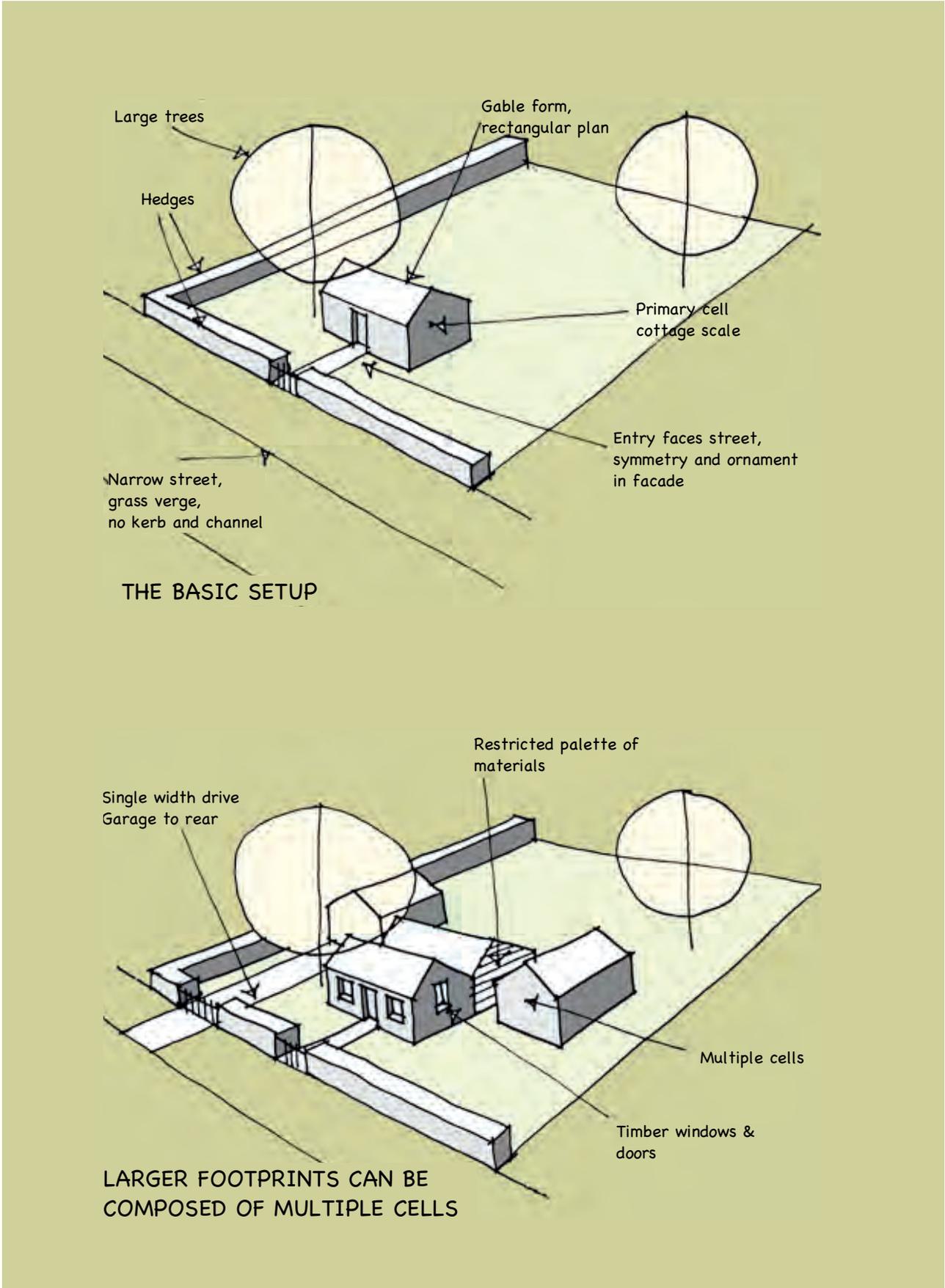
These examples of variation in form may be acceptable, especially as a foil.

SHED PRIMARY ELEMENTS

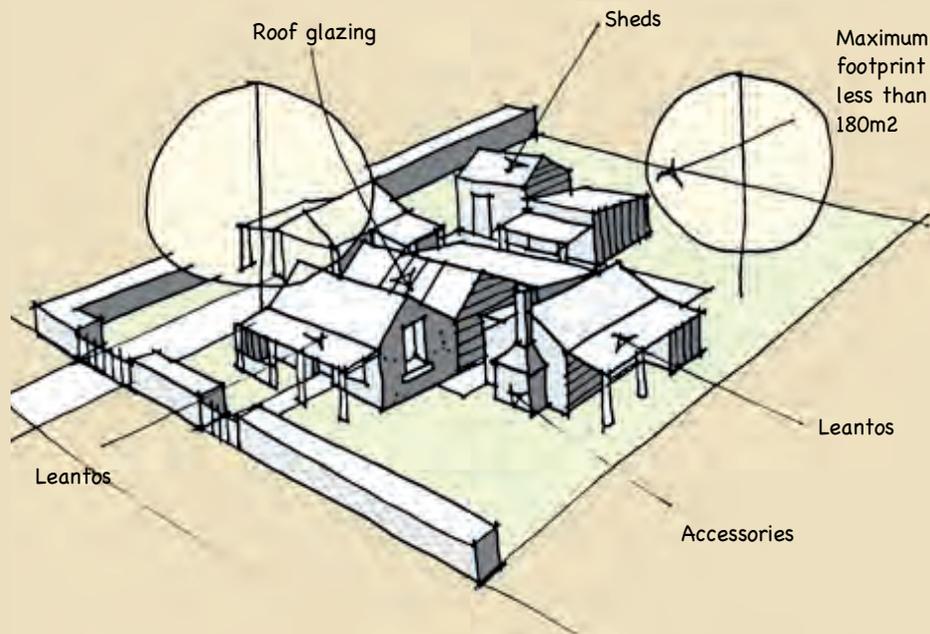


More variation is likely to be acceptable for sheds provided that the recommended volumes are not exceeded

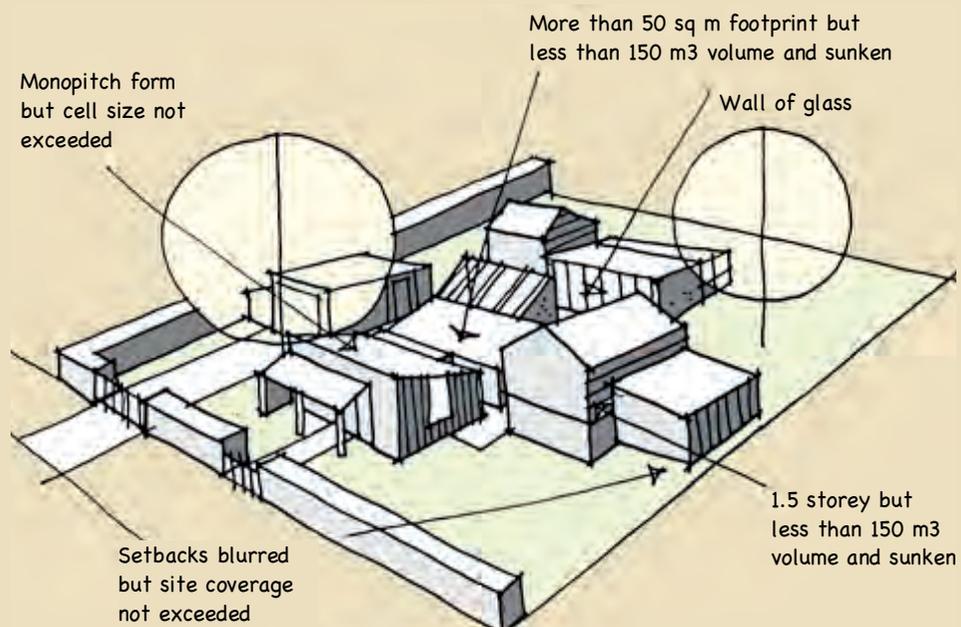
Departure from a rectangular footprint may be acceptable in some circumstances



ARHMZ-Figure 12



ADDITION OF SECONDARY ELEMENTS & SHEDS



SOME VARIATION OF THE FORMS MAY BE ACCEPTABLE

CASE BY CASE ASSESSMENT WILL BE NEEDED

4.8 NEW CONSTRUCTION IN THE LDR & PROPOSED MDR ZONES

4.8.1 BUILDINGS - NEW CONSTRUCTION

Within the LDR and proposed MDR zones, applying the bulk and location rules alone could lead to large and two storey buildings, which are more dominant than is characteristic of Arrowtown and which do not in any way resemble the small cottages of the ARHMZ. Combined with this there could be considerable variety in style resulting in little recognisable Arrowtown character.

The analysis of existing traditional buildings has identified the key traditional building types and the characteristics of these. Whilst it is not expected that buildings within the LDR and proposed MDR zones slavishly adhere to these building forms, to the detail set out below, it remains very important that new buildings within these zones are highly influenced by the traditional building types. The sheer size, however, of some houses sometimes becomes an unmanageable problem. The apparent bulk of buildings within these zones can be reduced by designing the building as a number of individual elements. In an additive approach, the size of the individual elements needs to be small enough to be at human scale, however the size does not necessarily have to duplicate the diminutive scale of an Arrowtown cottage.

It is important that the form of each element is simple and that the form is clearly evident in the final building composition. Single storeyed forms are far more compatible with the old Arrowtown identity and their use is encouraged, particularly abutting neighbours and the street. However it is recognised that this may not be possible within the proposed MDR zone where smaller sites are allowable.

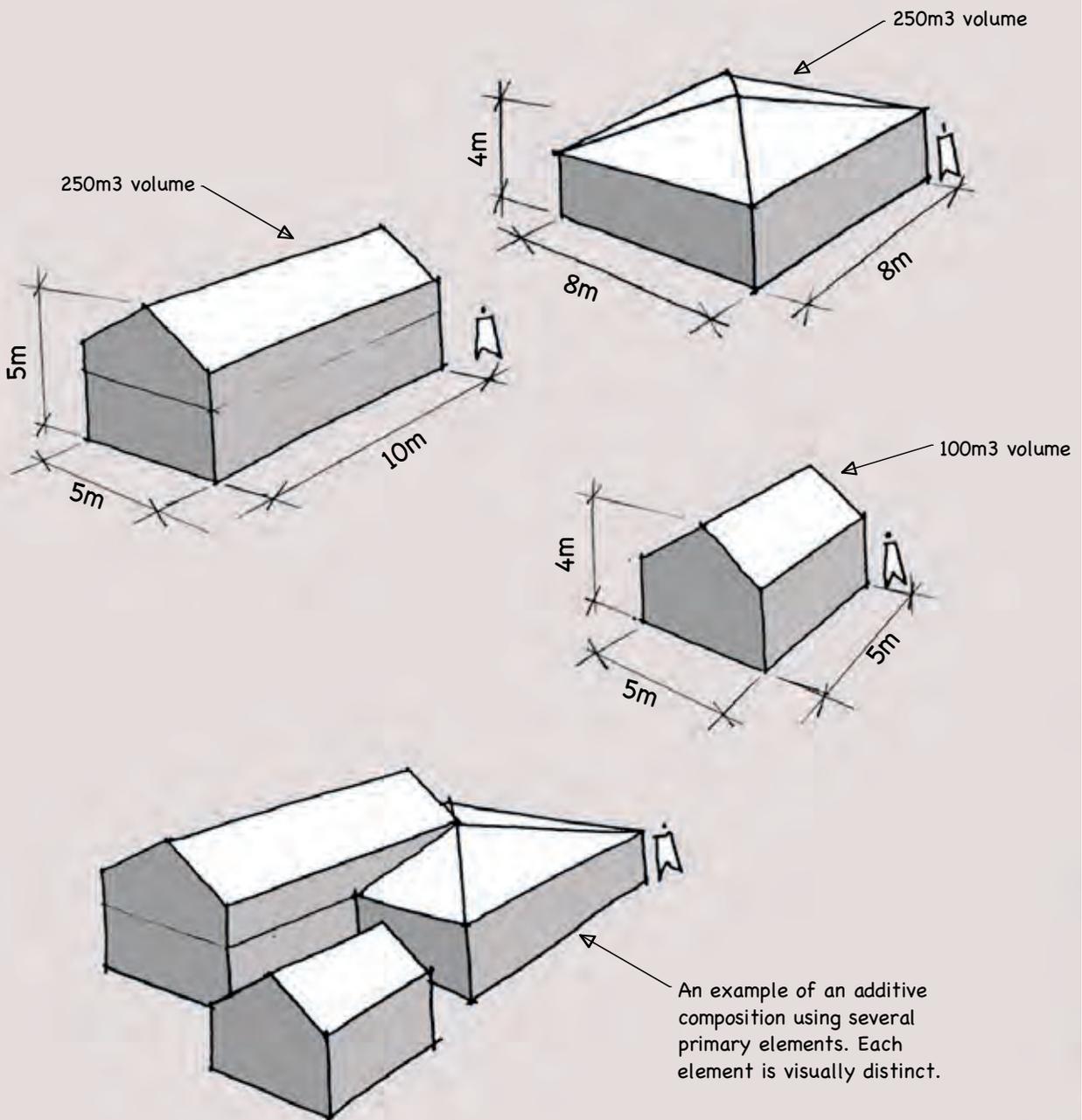
The typical Old Town cottage is an arrangement of small, simple elements. This additive approach to a buildings composition fits better with the Arrowtown character than a single roof covering a large floor plan (as identified in MDRZ & LDRZ-Figures 5 and 6).

The apparent bulk of a building can be reduced by designing the building as a number of individual elements. The sheer size, however, of some houses sometimes becomes an unmanageable problem.

In an additive approach (identified in MDRZ & LDRZ-Figure 6), the size of the individual elements needs to be small enough to be at human scale, however the size does not necessarily have to duplicate the diminutive scale of an Arrowtown cottage.

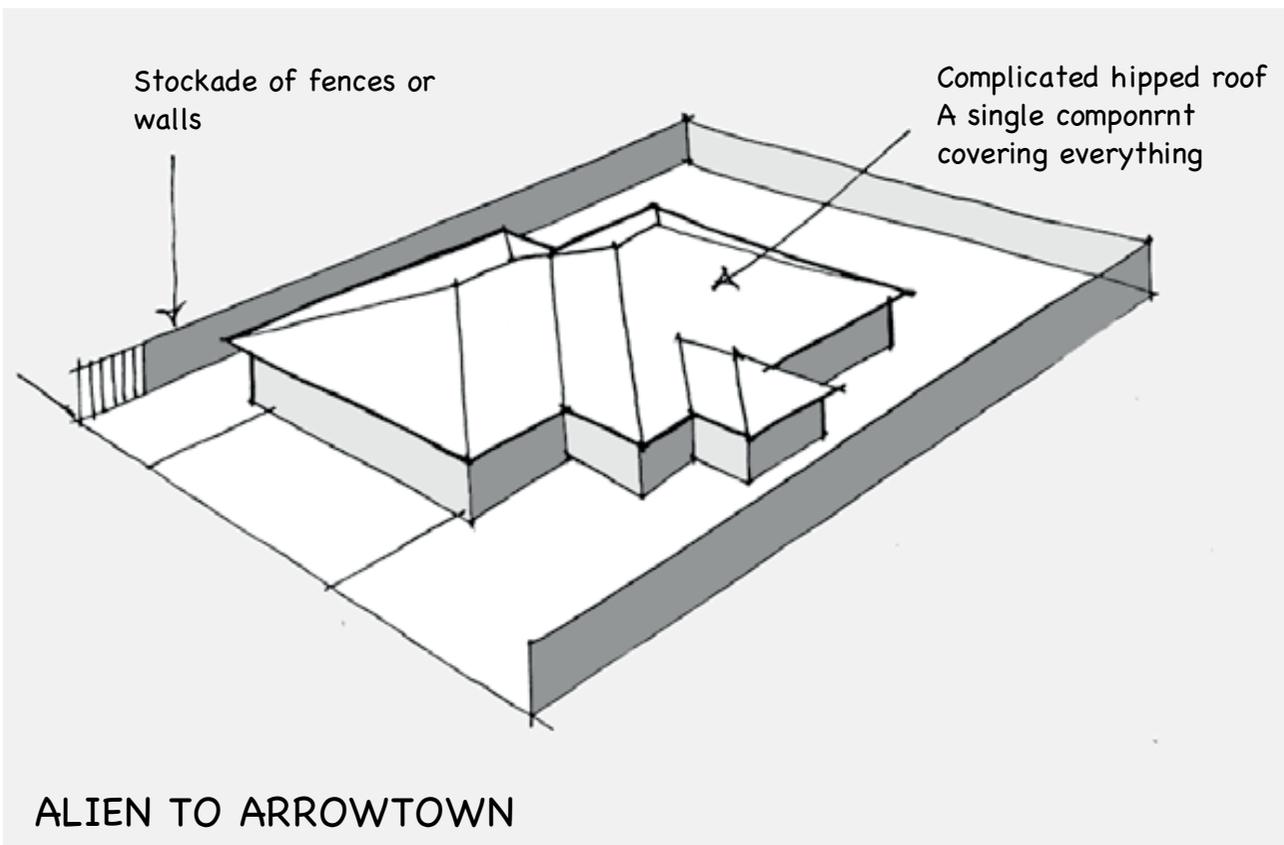
It is important that the form of each element is simple and that the form is clearly evident in the final building composition. Single storeyed forms are far more compatible with the old Arrowtown identity and their use is encouraged, particularly abutting neighbours and the street.

EXAMPLES OF POSSIBLE PRIMARY ELEMENTS

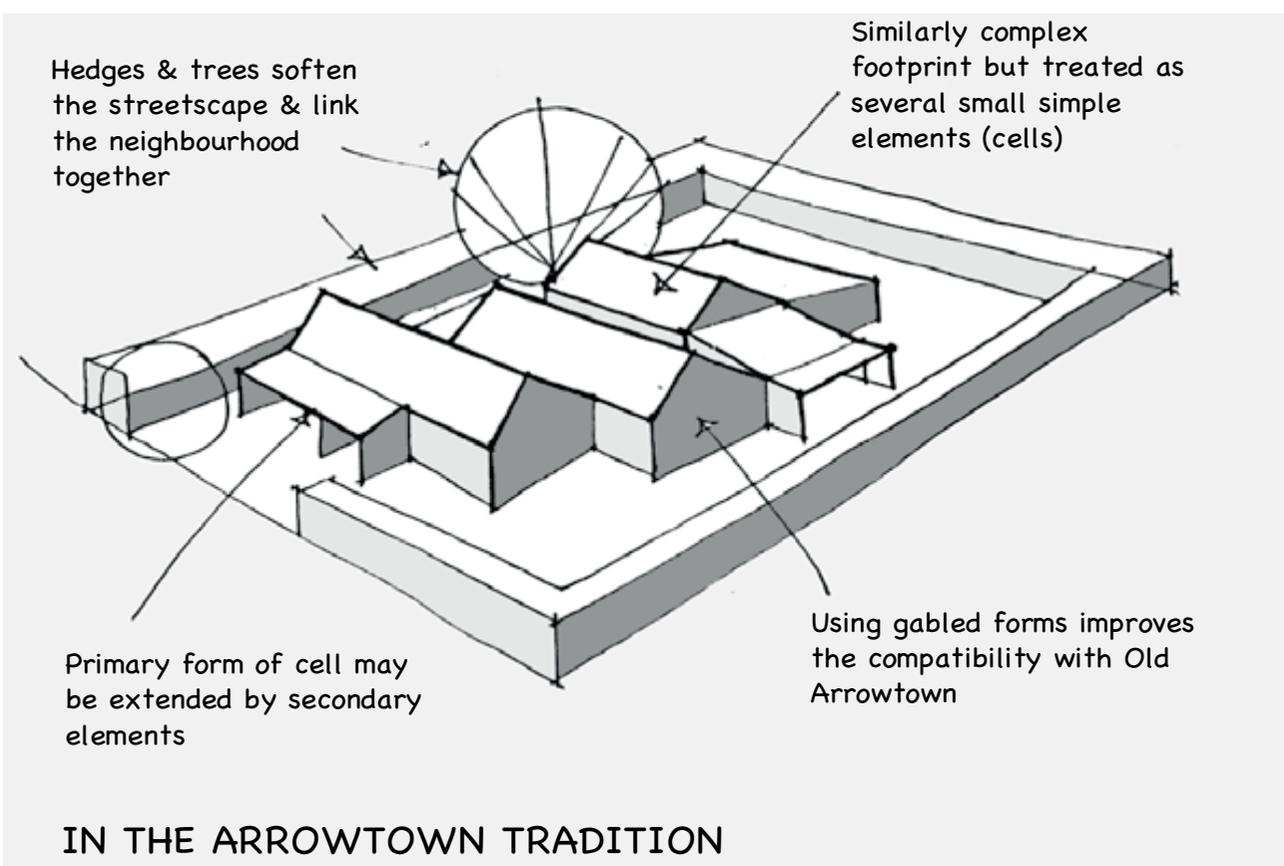


PRIMARY ELEMENTS FOR HOUSES IN THE NEW RESIDENTIAL AREAS

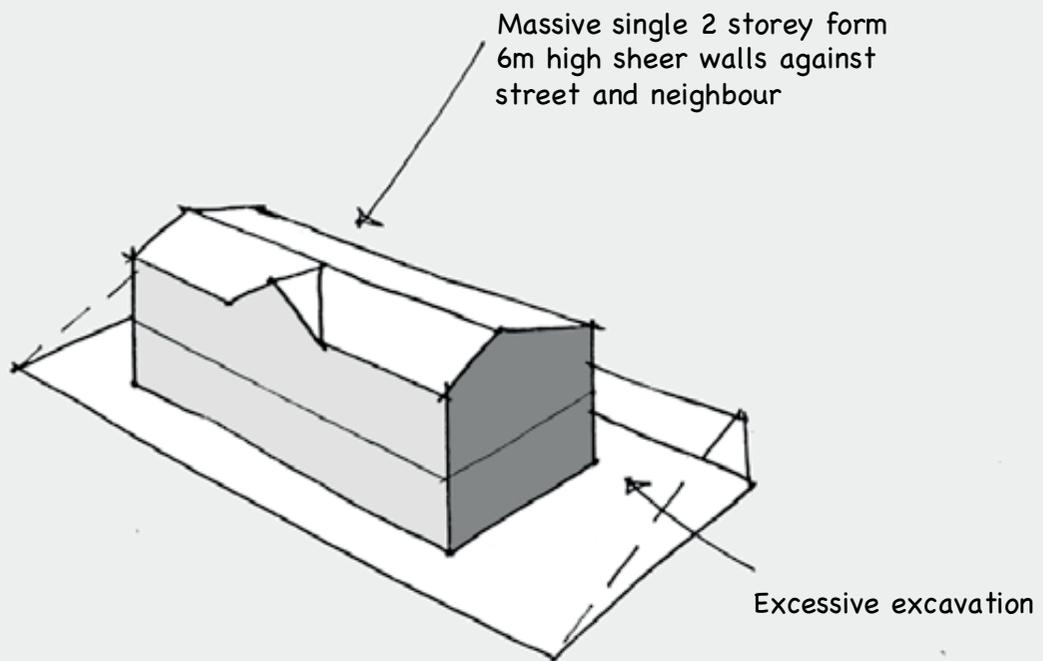
MDRZ & LDRZ-Figure 4



MDRZ & LDRZ-Figure 5

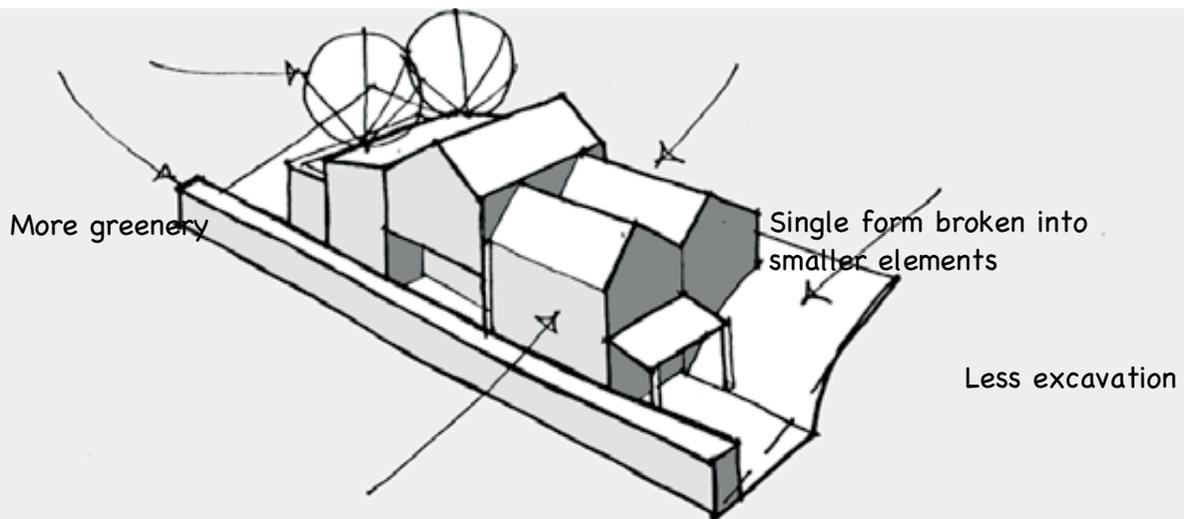


MDRZ & LDRZ-Figure 6



ALIEN TO ARROWTOWN

MDRZ & LDRZ-Figure 7



1 1/2 storeyed pref to 2
storeyed

More articulation of building
elements so they can be read
as separate and distinct

IN KEEPING WITH ARROWTOWN

MDRZ & LDRZ-Figure 8

4.8.2 GUIDELINES: PROPOSED MDR AND LDR ZONES, NEW CONSTRUCTION TO INTEGRATE WITH OLD ARROWTOWN'S IDENTITY

4.8.2.1 Design new construction so that it shares key features with the characteristic dwellings of Arrowtown's old residential area (for the MDRZ refer MDRZ & LDRZ-Figures 1, 2 and 3 as well as MDRZ & LDRZ-Figure 6).

4.8.2.2 Preferably build single storey houses as they are more appropriate to Arrowtown.

4.8.2.3 Design a building as an arrangement of several structurally independent elements, each with a clear, simple form.

- a) Within the LDRZ limit the size (scale) of each element. A maximum volume of 250m³ is suggested although a lesser volume is preferable.
- b) Within the proposed MDRZ the maximum building coverage shall be no more than 45 percent.
- c) Keep each individual element visually distinct. This can be achieved by each element being roofed separately, and elements being offset from one another (articulated). Consider using a limited number or different claddings and colours for different elements.
- d) Consider adopting the element cell size of the traditional Arrowtown cottage, which equates to a maximum volume of about 100m³.
- e) Within the LDRZ avoid building houses of floor areas in excess of 300m².
- f) Design an interior where not all ceilings are flat and at a uniform height and exploit the opportunities this provides to have windows at a variety of heights. This will also avoid unusable roof space, i.e. the 'dead lid' syndrome, which tends to accompany the single roof method and leads to unnecessary monotony in external appearance.
- g) Avoid mechanical repetition (e.g. two identical units/elements on a site).
- h) Do not replicate examples of another place's history. If done well it undermines the genuinely historic and if done badly it just looks out of context.

4.8.2.4 Design buildings so that they relate to the site, street and meet the guidelines for site planning and design.

4.9 SPACIOUSNESS AND SIMPLICITY

The typical residential pattern for early Arrowtown was low density, with space for orchards, large vegetable gardens, the keeping of hens and the grazing of a cow or horses over a number of lots.

The early survey pattern of 1/4-acre lots was underlying and over-time these lots have been developed or subdivided. Even with the considerable increase in density, a sense of spaciousness remains. The streets are a major contributor. This feeling of space or low density is extremely important to the character of the ARHMZ and is highly vulnerable.

It is important that development within the proposed MDR and LDR zones create a similar sense of spaciousness and apparent low density.

4.9.1 GUIDELINES: SPACIOUSNESS AND SIMPLICITY

4.9.1.1 The sense of spaciousness and simplicity within the ARHMZ must be preserved.

- a) Retain the uncluttered simplicity of trees, hedges and grassed areas in the street, private sections and church grounds. This simplicity and sense of spaciousness comes primarily from:
- The careful siting of buildings and other elements to create a sense of space
 - Retaining the existing small scale of buildings
 - Use of hedges as opposed to high solid fences
 - Grass verges and swales (no kerb and channel)
 - Only trees planted on the verge

4.9.1.2 New developments within the proposed MDR and LDR zones should reflect the sense of spaciousness and simplicity seen within the ARHMZ.

- a) Utilise simple, uncluttered arrangements of trees, hedges and grassed areas in the street and private sections. This simplicity and sense of spaciousness comes primarily from:
- Carefully siting buildings and manipulating their shape and form so that they appear small scale and unobtrusive when viewed from the street.
 - Use of hedges as opposed to high solid fences
 - Utilising grass verges and swales (no kerb and channel)
 - Planting only trees on the verge

4.10 THE STREETScape

The streetscape includes street and the parts of private and public places adjacent to and viewed in conjunction with the street. It includes those parts of private sections adjacent to and viewed from the street; the buildings, the side and front yards, the vegetation, plantings and the street area all contribute to the streetscape.

The heritage values of Arrowtown are predominantly perceived from and include the streets. Therefore what happens in the public street and the private section's front and side yards e.g. buildings, boundary treatment, as well as features such as vegetation and paving, is important. The streets are key areas to target to introduce cohesion and linkages throughout Arrowtown.

In the ARHMZ the streets have narrow sealed carriageways, grass shoulders, grass verges and swales, (no kerb or channel), street trees, (evenly spaced), and hedges are also features. These features create an integrated soft appearance.

Opportunities during upgrade and redevelopment within the proposed MDR and LDR zones should be both sought and utilised to incorporate characteristics of ARHMZ. How this can be done is outlined in the following guidelines. Implementation of these recommendations for the street is of primary importance to Arrowtown's character. A landscape plan for the proposed MDRZ and LDRZ street network aimed at integrating them with the ARHMZ would enable proactive, timely and appropriate works.

'Rough edges' or low key alternatives are better than areas of hard surface and concrete kerb for helping to reinforce a small town character and maintaining a sense of connection with the ARHMZ and old Arrowtown.

The plant species used for streets are important. Those that are appropriate to the ARHMZ can be used across the other zones to help to create cohesiveness. Where shading is an issue medium-sized trees such as fruit trees can be planted.

Planting associated with entrances and traffic islands within the town require special attention as these areas are visually prominent and set the scene for the character of the town.

Within some parts of the proposed MDR and LDR zones private plantings have spread onto the road reserve replacing the grass verge, however, the Arrowtown identity is of a simpler street with street trees and grass only. As a consequence, private planting on road reserve should be avoided.

Power supply infrastructure (lines, poles and transformers) have significant adverse effects on the appreciation of historic features, views and tree growth.



Streetscape – the street and the features of the private section which contribute to the streetscape.



Small shed - out building. Buildings subordinate to mature trees and vegetation.



Avoid low profile kerb and channel in the ARHMZ.

4.10.1 GUIDELINES: STREETScape

4.10.1.1 Within the ARHMZ ensure the treatment of buildings and private space relating to the street reflects and enhances the historic character of the streetscape.

4.10.1.2 Within the ARHMZ retain, respect and enhance the character of the 'public' street.

Note: This guideline applies to both public and private works within the streetscape.

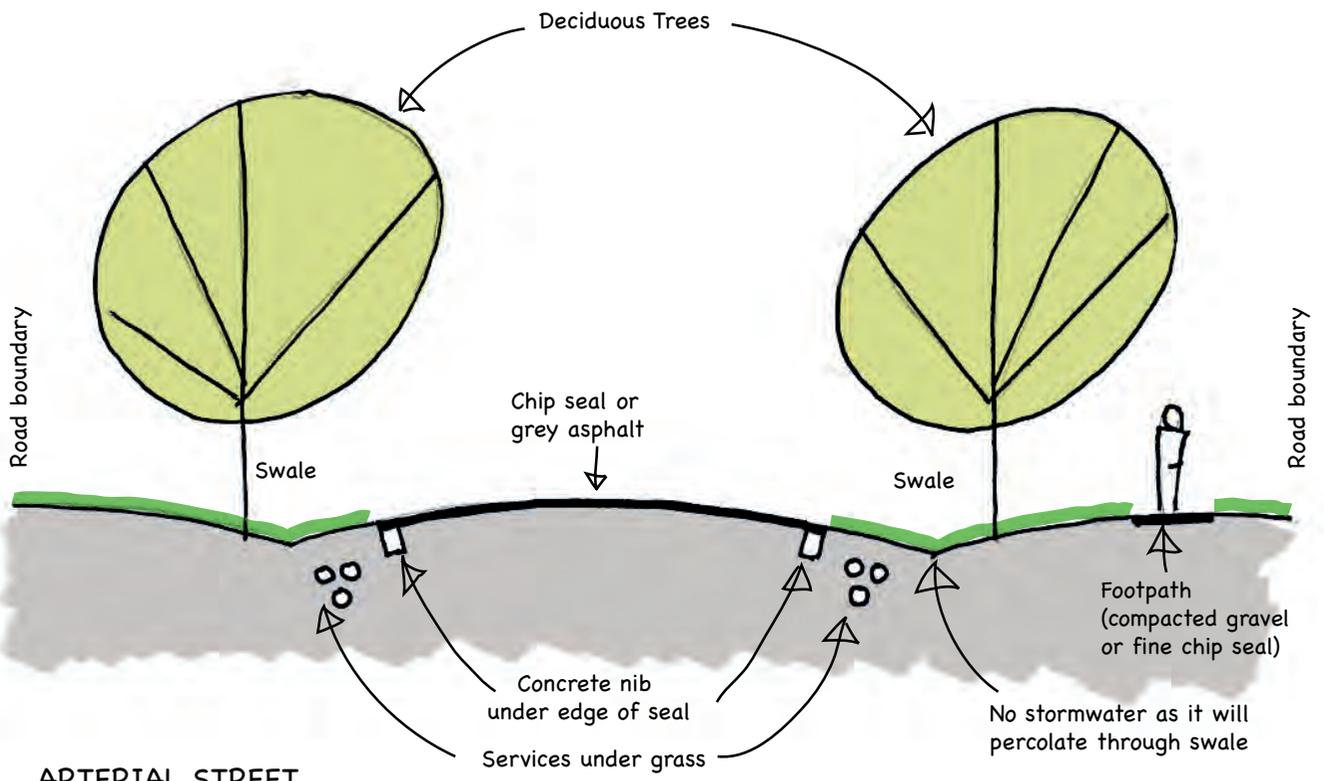
- a) Do not introduce concrete kerb and/or kerb and channel to streets and respect and protect grass swales where they occur. Use local stone (not river boulders) for kerbs in high use areas and only where absolutely necessary.
- b) Retain and develop narrow carriageways with grass shoulders. Do not widen the carriageway (as seen in Devon Street). Do not spray the shoulders.
- c) Grass verges must be retained in any street works or new development. Avoid disturbance to grass verges. Grass must not be replaced by other surfaces and should be reinstated where lost. Refer Cross-section of Street
- d) Preserve the simplicity of the street, hedges, grass verges and street trees.
- e) Do not plant shrubs or other plants, place boulders or raised planters within the street as they interrupt the visual cohesiveness.
- f) Maintain the regular spacing of the street trees.
- g) If footpaths are required use gravel and locate mid verge as opposed to abutting the swale.
- h) Use hedges on street-public and street-private boundaries to enhance character and provide cohesion.
- i) Underground the power in the ARHMZ
- j) Do not over manicure the street



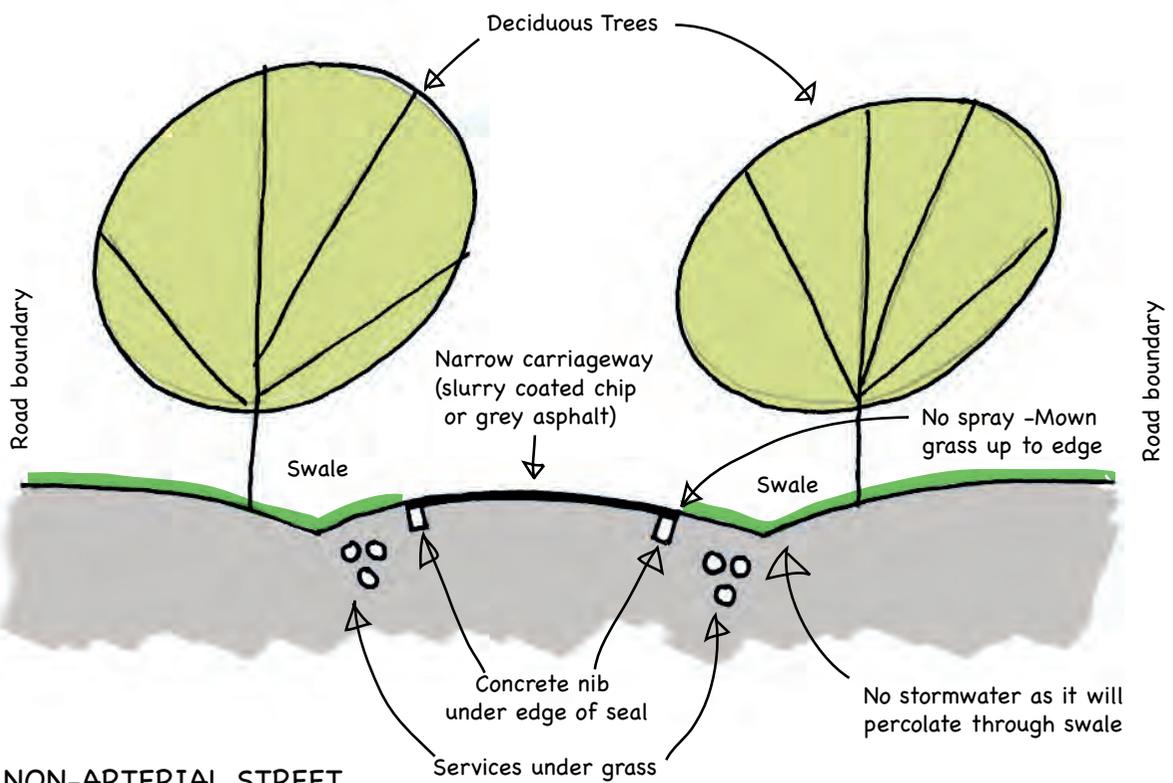
Encourage Pedestrian scale footpaths.



Encourage gravel shoulder and grass verges within the ARHMZ.



ARTERIAL STREET
(EG. ADAMSONS DRIVE, CENTENNIAL AVE)



NON-ARTERIAL STREET
(NO FORMED FOOTPATH)

ARHMZ, MDRZ & LDRZ-Figure 9

4.10.1.3 Within the MDR and LDR zones treatment of the street should reflect the proposed ARHMZ.

- a) Prepare an overall landscape plan for the streets to integrate New Town with Old Arrowtown (or ARHMZ) and avoid inappropriate and ad hoc works.
- b) Retain or create narrow carriageways during redevelopment with grass swales and no kerb and channelling.
- c) Preferably use a concrete 'nib' beneath seal edge so that it cannot be readily seen (refer cross-section 1). The placement of a narrow strip of gobi blocks could be tried against the seal to prevent wheel ruts along edges.
- d) Grass verges - retain where they exist, and reinstate and develop where possible.
- e) Do not repeat 'the Devon Street treatment' for any streets. It is excessively wide, dominated by vehicles, hard paving and kerbs. Arterial roads with grass verges and swales and footpaths e.g. Adamson's drive are far more successful and also do not encourage excessive speed. Refer cross-section, above.
- f) Design streets for pedestrians. Footpaths should be narrow compacted gravel paths, sited mid grass verge. Avoid footpaths situated hard against the road edge.
- g) Plant street trees that will create cohesion with the proposed ARHMZ.
- h) Plant hedges on the street boundary (where there is the space) especially in primary collector roads, e.g. Adamson's Drive, Devon and Cornwall Streets.
- i) Keep verges simple with only street trees and grass. Do not plant any other vegetation on the road reserve, except hedges adjacent to the boundary line to screen a fence or wall. Liaise with Council to plant on the road reserve.
- j) For driveways, use gravel or exposed aggregate as this fits the Arrowtown character.
- k) Planting at town entrances and in traffic islands should reflect the character of Arrowtown. Keep it simple. Choose grass, a low hedge or trees to suit location and visibility issues. Tussock is inappropriate.
- l) Do not install further traffic islands.



Avoid excessively wide carriageway with low profile kerb and channel.



Adopt grass drainage swale and flush concrete edge to seal. Instead place concrete beneath seal edge.



Avoid raised planters and spotty planting does not contribute to Arrowtown character.



Do not plant or place stones or boulders on the verges.

4.11 STREET LIGHTS AND EXTERIOR LIGHTING

Within Arrowtown it is important that street lighting is not overly dominant, when in use and during the day time. Tall, modern lights or ornate lights are therefore not appropriate.

4.11.1 GUIDELINES: STREET LIGHTS AND EXTERIOR LIGHTING

4.11.1.1 Street lighting should be simple on both public and private land. It should reflect the small town rural image of Arrowtown and the subtlety of historic lighting.

- a) Street lights should be of an unpretentious, simple utilitarian style and of low level in height (around 6m – telephone pole height) and low output reflecting early lighting. Tall tapering over-head lights should be avoided.
- b) Within the proposed MDR and LDR zones higher lighting can be used but only where shown to be essential.
- c) Shielded light fittings should be used to direct light only where it is required.
- d) In private lots use low key, simple, unpretentious light fittings, reduce light spill and direct light only where it is required. Avoid over lighting. Recessed lighting into walling or attached to a building is acceptable if done in moderation. Do not make a feature of lights or use coloured light.
- e) Avoid use of high glare spot, flood lighting or other urban style lighting in gardens, driveways and entrances. Do not use urban style lighting e.g. ground or bollard lighting.

GENERAL GUIDELINES THAT APPLY TO THE ARHMZ, LDRZ AND PROPOSED MDRZ

The following Guidelines apply to the ARHMZ, LDRZ and proposed MDRZ and each guideline should be applied depending upon the site specific characteristics.

4.12 PEDESTRIAN NETWORKS

Walking has always been a part of the Arrowtown way of life. The streets are the key part of this pedestrian network. The grid pattern provides a high degree of accessibility for pedestrians (and vehicles). Streets need to remain inviting for pedestrians both in terms of scale and character.

Existing lanes, such as Camp Lane, are important and new additions to this network would reinforce pedestrian use.

4.12.1 GUIDELINES: PEDESTRIAN NETWORK

4.12.1.1 Maintain and enhance pedestrian friendly streets.

a) Protect and enhance the existing scale and character of the streets within the ARHMZ so that they remain places for pedestrians.

b) In all areas do not allow vehicle requirements to dominate.

4.5.1.2 Preserve existing laneways and seek new pedestrian links.

a) Protect the pedestrian use of existing lanes e.g. Camp Lane.

b) Seek opportunities for more pedestrian links to the Town Centre and River (where possible by the use of lanes).



Simple gravel paths are a part of the Arrowtown signature.



The uncluttered simple nature of trees, vegetation, hedges, and grass verges contribute to the feeling of low density and space.



Large 'Wellingtonia' trees (Sequoiadendron giganteum) from California -brought to Arrowtown by early miners.

4.13 VIEWS/VISTAS

Views to hills and mountains i.e. natural features and to historic features are a valued part of the ARHMZ and Arrowtown as a whole. When moving along the streets, usually at the edges of landforms, new vistas surprise and provide connections with other areas. These key views are identified on the neighbourhood maps included in Section 2. There may also be other views which whilst not identified are also important and there are many other general views to the surrounding landscape and historic features that should be respected.

4.13.1 GUIDELINES: VIEWS/VISTAS

4.13.1.1 Preserve key views and consider all vistas.

- a) Identify all views and view corridors across private and public land and seek to retain these views (with key view corridors identified within the respective neighbourhood plans set out in Section 2).
- b) If the values of the ARHMZ and other Zones are to be retained, key views, identified on the neighbourhood maps should be protected. Other views should be retained where possible. Key views are identified within the respective Neighbourhood Plans set out in Section 2 of this Guidance.



Cemetery Saddle - moment when old Town Residential is revealed.



Views to the hills and the surrounding mountains are an important characteristic of Arrowtown.



Respect views to mountains and surrounding landscape.

4.14 PARKING, DRIVEWAYS AND GARAGES

Vehicles and their requirements have the potential to dominate, disrupt and degrade historic character. Excessive hard surface parking areas, inappropriate paving materials and large garages dominating the front yard are inappropriate and must not occur in the ARHMZ or elsewhere in Arrowtown.

Driveways and parking areas are very dominant in the LDR zone. The surface used has accentuated this, as does the extent of parking areas visible from the street.

Methods to decrease the dominance of vehicles and their requirements include increasing the set back of garages and using materials that fit the Arrowtown context for driveways and paving.

4.14.1 GUIDELINES: PARKING, DRIVEWAYS AND GARAGES

4.14.1.1 Parking, driveways, and garages must not be prominent in the ARHMZ or dominant in other Zones.

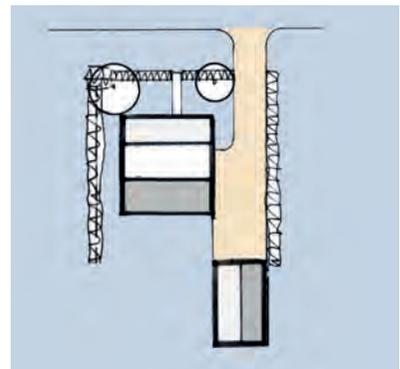
- a) Plan for permanent residential parking on the site.
- b) Reduce the amount of parking area visible from the street by appropriate design and planting.
- c) Parking should not be in the front yard (either garaged or surface).
- d) Locate garaging towards the rear of residential lots within the ARHMZ or set back further than the front of the house for buildings with a street frontage in the proposed MDR zone and in all cases in the LDR.
- e) Driveways to be single car width only. No double car width driveways or entrances.
- f) Double garages must be set further back from the street than the house.

4.14.1.2 Use materials for driveways that fit with ARHMZ and Arrowtown's character (as set out in Section 5 to these Guidelines).

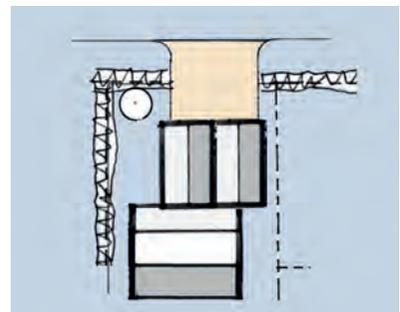
- a) For parking areas and driveways, local gravel with some fines for compaction is best. As an alternative use exposed aggregate concrete. A less desirable option is chip seal.
- b) Avoid concrete kerbs for edging.
- c) Avoid the use of concrete pavers, cobbles, stamped concrete or bitumen.



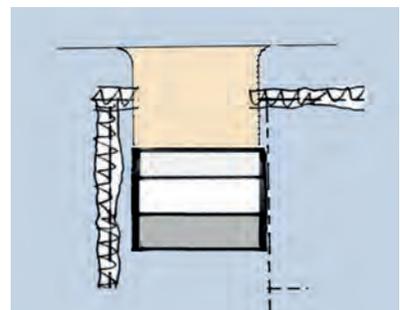
Garage set to rear of section.



Set garages and parking areas well back from the street.



Avoid dominance of garaging and parking close to street.



Avoid occupying full road frontage.

4.15 CHURCHES AND CHURCH GROUNDS

The Churches in early Arrowtown were a central focus for residents. The Church buildings are exceptions in terms of the scale of buildings. They are set within large grounds with mature plantings and are important and prominent. The simplicity and extent of mature plantings and grass contribute to the sense of spaciousness.

4.15.1 GUIDELINES: CHURCHES AND CHURCH GROUNDS

4.15.1.1 Protect/retain the visual primacy of Churches, their plantings and the simplicity and sense of spaciousness around the churches.

- a) Retain the simplicity of the grounds around the Churches and protect the trees and plantings. Retain a sense of spaciousness.
- b) Buildings, other structures or plantings must not compromise the primacy of the Church.

4.16 EXISTING VEGETATION

Trees, hedges and other vegetation are distinguishing features of the ARHMZ and also an important contributor to the character of the proposed MDR and LDR zones. Vegetation that is identified to be of key significance is shown on the Neighbourhood Plans included as Section 2. It should not be assumed, however, that plantings that are not shown are without value. Many other plantings contribute to heritage values as the elements, which contribute to the character of the area.

The tall trees, many planted by the early settlers provide the dominant structure and historic framework to the ARHMZ and to the Town Centre. Smaller trees e.g. fruit and nut are also significant. Lombardy poplars were, and still are a characteristic feature within parts of Arrowtown.

Hedges are very important and traditional. They provide spatial definition to the street (the public space), to the private space, privacy to residents, a 'softness' and visual coherence to the streetscape and reduce the visual dominance of built form (fences by contrast are a harsher element and add to built form).



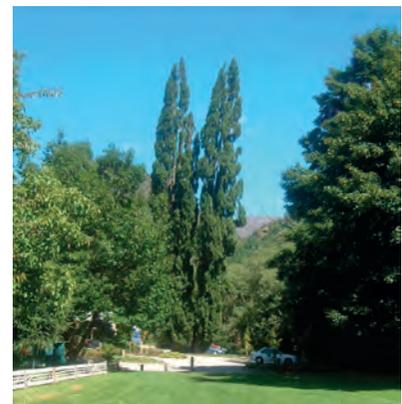
St Johns Presbyterian Church.



St Patricks Catholic Church.



Vegetation dominates over buildings in old Arrowtown.



Lombardy poplars are a distinct yet diminishing feature of old Arrowtown. Lower Merioneth Street.

4.16.1 GUIDELINES: EXISTING VEGETATION

4.16.1.1 The sense of spaciousness and simplicity within the ARHMZ must be preserved.

- a) Retain all those plantings shown on the Neighbourhood Plans included in Section 2.
- b) Consider how all the existing vegetation (not only vegetation of stature) contributes to the overall historic character of the ARHMZ and the proposed MDR and LDR zones. The rambling shrubs as well as the trees can be very important to heritage values.



Street trees, evenly spaced, hedges, grass verges and swales.

4.17 NEW TREES AND PLANTING

As outlined above, trees and plants in both public and private areas have a major influence on the character Arrowtown.

Appropriate tree and plant species contribute in a positive way. Similarly, inappropriate species have a negative effect on appearance and character.

For Arrowtown, the guide to appropriateness comes from the ARHMZ. The vegetation here has matured and provides a distinctive fabric or character. For example, the avenue -one of the most photographed features of Arrowtown - is simple, strong and effective.

A key feature of these early plantings was their simplicity in terms of species and placement. Plantings similar to these will give cohesion to Arrowtown. Some other more modern varieties - usually those with variegated, blue, yellow or other colourful foliage - disturb the cohesive appearance of the urban landscape of Arrowtown. A wider variety of plant material, however, can be used in the newer parts of Arrowtown.



Vegetable gardens – a link to agricultural/horticultural heritage.

4.17.1 GUIDELINES: TREES AND PLANTING

4.17.1.1 Keep planting simple and choose trees and plants appropriate to the context of Arrowtown as set out in Section 5 of this Guidance.

4.17.1.2 Only plant trees that are appropriate to Arrowtown's character as key species and as set out in Section 5 of this Guidance.

4.17.1.3 Within the proposed MDR and LDR zones, as a second choice, plant species that are appropriate to your neighbourhood.

- a) Using only tree species already found in the ARHMZ within that areas will help to conserve its character. Using these species within the proposed MDR and LDR zones will help to create cohesion between them and the character of Arrowtown. Within these Zones, plant these species first and in greatest numbers.



Promote good integration between public and private landscape – simplicity.



Avoid fussy garden and planting design. Keep it simple..

- b) There are also species that reflect the character of the era of the development of different subdivisions within the proposed MDR and LDR zones. These can be planted as secondary species. To identify a secondary species look around your area and note a type of tree that is planted in many gardens and appears as a 'theme' within the neighbourhood.



Structure trees reflecting the importance of large trees to Arrowtown's character.

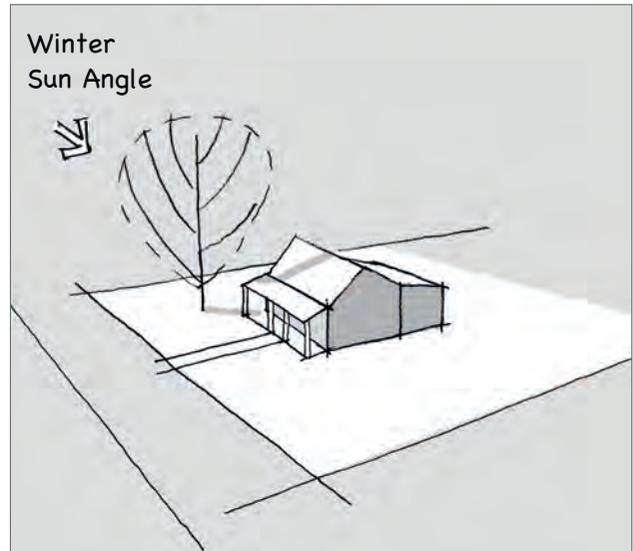
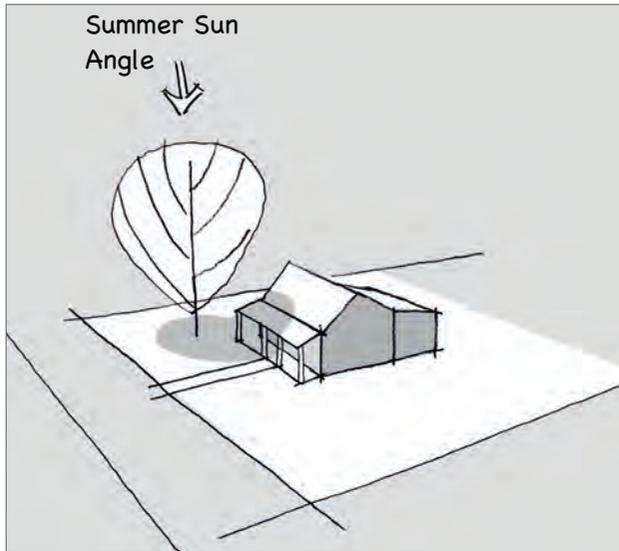
4.18 STRUCTURE TREES

Trees are the most important structural plant element in Arrowtown. The structure trees are the large trees in the private gardens, the avenue, streets and the public reserves which dominate ARHMZ and are of a height well above the buildings. It is important to develop and maintain this 'canopy' in the proposed MDR and LDR zones. The comparatively large scale of many of the buildings, including the more common two storey height of buildings these zones makes this very important. One structure tree per section would make an enormous difference along with trees in the streets and reserves.

4.18.1 GUIDELINES: STRUCTURE TREES

4.18.1.1 The planting and maintaining of large trees is a priority.

- a) Plant structure trees in private sections, streets and public reserves.
- b) Plant trees on the south/south-easterly side of the house to avoid shading.
- c) Deciduous trees planted to the north will provide shade in summer and allow through sun in winter.
- d) Plant in gaps to avoid shading neighbour's houses and blocking their views. Consult with neighbours.
- e) Plant a minimum of one structure tree per lot, which will grow to a height of not less than least 4m above building height.
- f) Plant structure trees along streets and in public reserves. If shading is a potential problem locate carefully in relation to property boundaries and use medium sized deciduous trees.
- g) Avoid the topping of trees. Limb up or thin out to increase sun. See advice on maintenance included in Section 5.
- h) Select species from the list included in Section 5.



4.19 NATIVE PLANTINGS

While native plants are appropriate by definition anywhere in New Zealand, Arrowtown has developed a uniquely 'exotic' European character. Native plants were used in some places but did not occur en masse or dominate. The planting of en masse tussock is seen as inappropriate in the ARHMZ and also for the New Town. Natives can be used as under-planting or to reflect planting styles of Old Arrowtown, for example as a hedge species.

4.19.1 GUIDELINES: NATIVE PLANTINGS

4.19.1.1 Use native plants in conjunction with exotic plants.

- a) Native plants can be used, but the overall effect should be one of exotics dominating.
- b) Do not plant tussock en masse.

4.20 VEGETATION: PLANT MATERIALS

A simple palette of plant materials, almost entirely exotic, was traditionally used and/or survived in Arrowtown. This provides a logical limit to the range of plants appropriate for this area.

Large tall trees include species such as ash, oak, English elm, walnut and poplar. The smaller fruit and nut trees (pear, apples, almond, plum, hazelnut) are significant for the character and framework for this Precinct. Shrubs, old-fashioned roses and perennials add a finer grain of texture and colour to the characteristic planting and pattern.

Other species have been added in more recent years and contribute positively to the character and amenity while others are not appropriate. Inappropriate species include yellow conifers and golden elm. Traditional plantings generally did not include many native species.

Inappropriate tree maintenance such as topping can leave disfigured and unattractive trees, which degrade the character areas. Limbing up trees or thinning out branches is preferable.

4.20.1 GUIDELINES: VEGETATION: PLANT MATERIALS

4.20.1.1 Protect and maintain historic vegetation within the ARHMZ and within all zones ensure new plantings are appropriate to the historic context.

- Retain and maintain all large trees, hedges and other vegetation that contribute to the character or sense of enclosure of the ARHMZ and the Town Centre.
- Retain and maintain existing hedges and plant new hedges on the street frontage and side boundaries. Use appropriate species for new hedges. (See Section 5). A hedge maintained at 1.2m will fulfil both historic and amenity functions.



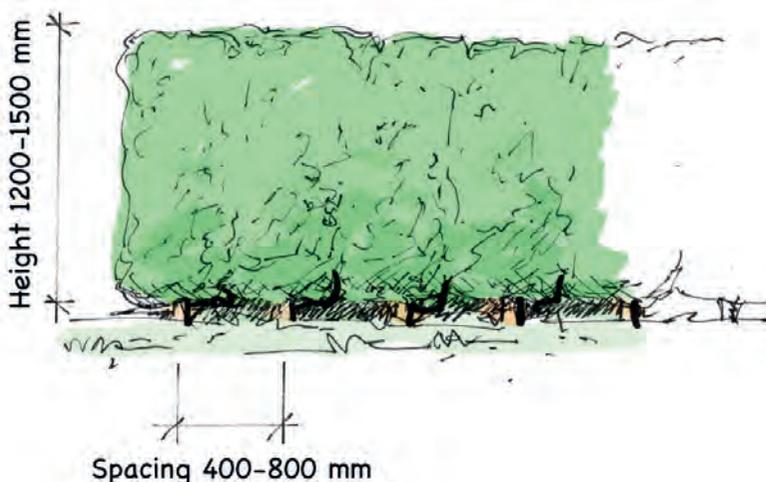
Informal hedges with more than one species (Anglesea Street).



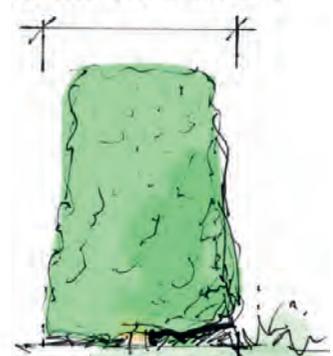
Yellow conifers are not appropriate to historic character.



Avoid the planting of tussocks en masse is inappropriate in the ARHMZ.



Width 900-1200 mm



Clip Hedge with taper to allow light to reach lower branches

Hedge details.

- c) Replace historic or important vegetation that dies or becomes unsafe with the same species, or species of similar form, in the same location.
- d) For new plantings choose from the palette of species appropriate to the ARHMZ.
- e) In front yards include mixed perennials and herbaceous plants with traditionally used shrub species.
- f) Do not plant modern cultivars, yellow conifers and variegated foliage plants.
- g) Maintain trees appropriately so that they are not disfigured. (See Section 5)



Best - let trees grow.



Thin out crown to obtain more light.



Limb up trees to obtain views under.



Do not top trees!

4.21 HEDGES, FENCES, WALLS AND GATES

Hedges, fences, walls and gates play a major role in the appearance and character of the street and hence add to, (or detract from), the character of Arrowtown.

In early Arrowtown hedges, fences and occasionally walls traditionally defined public and private boundaries. Hedges or fences, (alone or in combination with hedges) were used for street frontage boundaries.

Traditional front yard fences included post and wire, wire mesh and picket fences. Side boundary fences were simpler and often in conjunction with hedges. Gates were also a traditional element within the Old Town Residential.

Hedges as 'fences' and 'walls' are soft and simple in appearance and decrease the dominance of buildings and other structures. Hedges have cohesion to the street and are very important to retaining the historic character. They are characteristic of Old Arrowtown and remarkably absent from the new residential areas. However, introducing hedges into developments is one of the simplest and most effective ways to reinforce Arrowtown's identity and are an important way to integrate the proposed MDR and LDR zones with Old Arrowtown.

Stonewalls were used to enclose or retain public places such as cemeteries but have more recently been used for private section boundaries. Stonewalls were predominantly traditional dry stonewalls with copingstones. Fine examples of both free standing and retaining walls occur in the Old Town Residential and are best kept for public spaces.

There are many different styles and types of fences and walls in the proposed MDR and LDR zones. The adoption of styles more akin to the proposed ARHMZ will help create cohesion throughout the town, although a wider range of styles and materials can be accommodated.

The height of fences is also important. Fences that are too low are of the wrong scale. Conversely fences that are too high create a stockade effect.

4.21.1 GUIDELINES: HEDGES, FENCES, WALLS AND GATES

4.21.1.1 Plant hedges along lot boundaries.

- a) Hedges are the preferred 'fence' or 'wall'. Hedges can be used in conjunction with very simple fences. For example, post and wire or mesh.
- b) Plant hedges using appropriate species from the list in Section 5.
- c) The planting of hedges is specifically encouraged along front yard street boundaries.
- d) Plant hedges to screen paling fences and other fences that are less fitting to the Arrowtown character.
- e) A hedge height of around 1.2m is best as this will not be oppressive or block views.
- f) On street corners or prominent locations a taller hedge would be appropriate to minimise vehicles headlights, prevent people short cutting and to provide greater privacy.



Wire mesh fence with hedge.



Simple wooden gate with hedge.



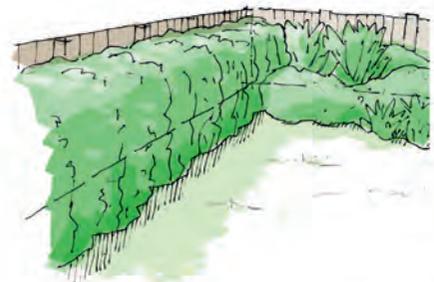
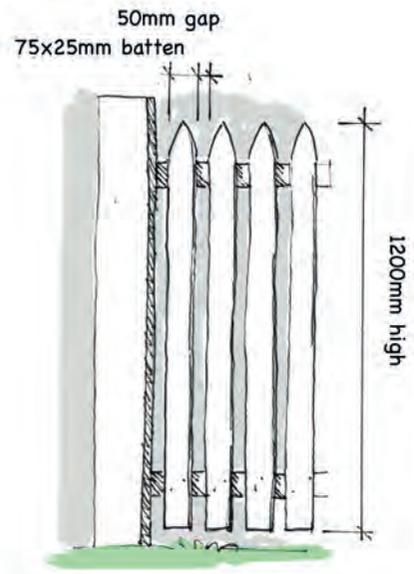
Wooden gate for main drive with hedge.



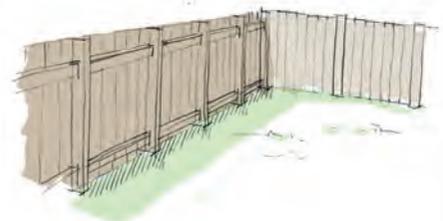
Fences and roofs are dominant features in new subdivisions. Houses are often large on smaller sections.

4.21.1.2 For fences or walls use both a style and materials that fit the low key character of Arrowtown.

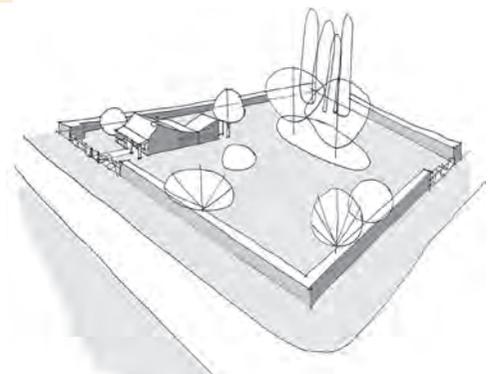
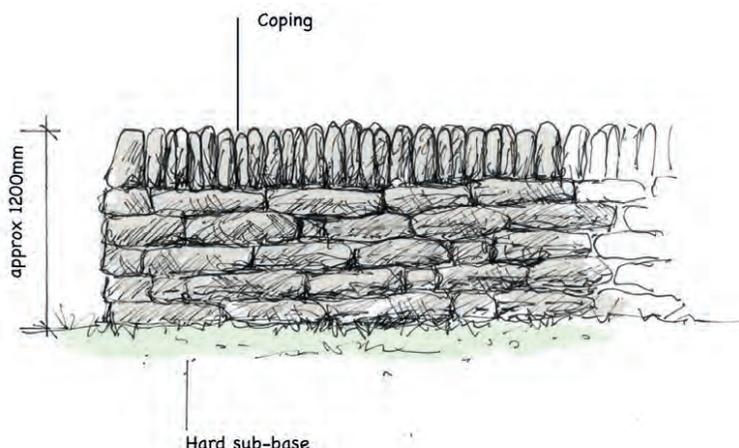
- a) Use fences that have been used historically in the ARHMZ; for example, picket, post and wire mesh. They should be simple in character and similar in height, materials, finish and location to traditional examples.
- b) Retain and conserve all historic stone walls in the Old Town.
- c) New stonewalls on street frontages and public places should be similar to those used traditionally in the ARHMZ and should reflect the same proportions and techniques as early walls.
- d) Use simpler fences on side boundaries in conjunction with hedges.
- e) Avoid modern, prefabricated fences and very urban styles.
- f) Fences should be between 900mm and 1200mm in height.
- g) Do not use concrete block or brick masonry walls (plastered or unplastered). Use traditional stone walls in preference as they are more appropriate to the Arrowtown character. Where these walls exist soften their appearance with a hedge.
- h) Avoid tanalised timber, paling fences, rail fences/barriers, chain link and post fences/ barriers, stained rustic timber fences, prefabricated metal powder coated fences, new colour-coated corrugated iron and similar as they do not reflect the Arrowtown character.
- i) Paint picket fences cream or white. Matching the colour of a building may be appropriate.
- j) Screen existing or new retaining walls with simple planting or a hedge.
- k) Schist boulder retaining walls can be acceptable provided they are small in scale and not too high and chunky. Where they appear visually heavy and bulky, the scale is not sympathetic to Arrowtown.
- l) Simple and robust gates should be installed. Keep them simple - wooden is best although 'wrought iron' style gates may be appropriate in the LDRZ.



Softens a hedge with a fence.



Fence structure can dominate and should be avoided in favour of hedges in the ARHMZ.



Hedges on corner sections can provide privacy, shield headlights and be beneficial to the streetscape.

4.22 PAVING SURFACES AND MATERIALS

Paving materials have a significant effect on character. They need to be simple, natural materials to evoke a small town feel.

Traditionally simple, basic materials such as local gravel were used for foot and vehicle surfaces. For hard dry surfaces concrete was the preferred surface, often with high aggregate component. Due to wear and tear surfaces become quite coarse and textured, almost reflecting exposed aggregate and sand blasted finishes.

4.22.1 GUIDELINES: USE LOW-KEY, BASIC MATERIALS, AND SURFACES THAT REFLECT TRADITIONAL MATERIALS

4.22.1.1 Use low-key, basic materials, and surfaces that reflect traditional materials in the ARHMZ

- Use simple materials that reflect the low key character of the ARHMZ and Old Arrowtown.
- Compacted gravels (local), concrete in its simple unpretentious form (not stamped or coloured and finished to high levels of precision), local stone, and timber are best.
- Avoid the use of tiles, highly coloured pre-cast concrete products, new bricks, interlocking pavers and imported (i.e. not local) stone for front yard or areas that contribute to the streetscape.
- Footpaths should be predominantly gravel. If edged, use schist stone, old brick or timber.



4.23 UTILITIES, SIGNS AND STRUCTURES

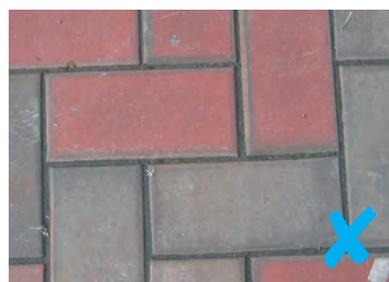
Public utilities, signs and structures can have significant adverse effects on the attractiveness of areas. Signs and structures should be planned to relate to their particular context. Utilities should be sited and designed for minimum impact on character and use.

4.23.1 GUIDELINES: UTILITIES, SIGNS AND STRUCTURES

4.23.1.1 Avoid where possible siting utilities in the ARHMZ.

4.23.1.2 Locate and design utilities, buildings and signs to complement the context and site.

- Screen existing utilities with the use of planting appropriate to the character of the area.



4.24 RESERVES AND PARKWAYS

Arrowtown is well endowed with open space including extensive river reserves, parkways and small neighbourhood reserves. These are a real asset to the town and provide a recreation and pedestrian network. Some of the parkways are under-utilised and in need of a design review.

The public reserves (including road reserves) have the potential to significantly assist with linking the ARHMZ and MDR and LDR zones through a comprehensive approach to plantings and landscape treatment.

4.24.1 GUIDELINES: RESERVES AND PARKWAYS

4.24.1.1 Visually and physically link the ARHMZ and MDR and LDR zones using the Public Reserve system.

- a) A landscape development/management plan is required for the Public Reserve network to provide cohesion between the ARHMZ and proposed MDR and LDR zones with public consultation as part of the process.
- b) Individual plans are also required for the small neighbourhood reserves that require upgrading.
- c) Enhance and add to the pedestrian network



Reed Reserve.



Fairways neighbourhood park.



Ensure that the boundary between private section and public reserve is softened with appropriate hedging or landscape treatment.

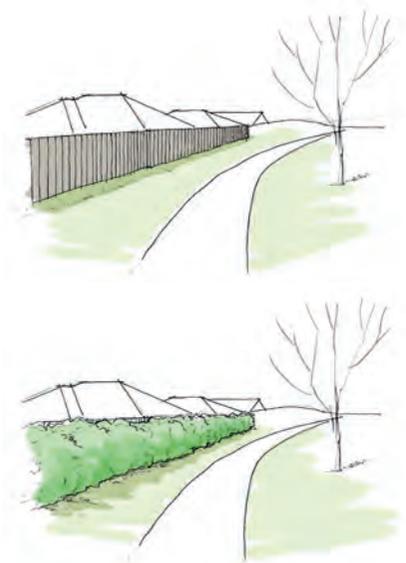
4.25 PRIVATE BOUNDARIES WITH RESERVES AND PARKLAND

The way the boundary between private land and the public space is treated can have significant effect on both the reserve and private garden space and character.

4.25.1 GUIDELINES: PRIVATE BOUNDARIES WITH RESERVES AND PARKLAND

4.25.1.1 Integrate and soften boundaries between private property and reserves and parklands.

- a) Soften a hard edge (e.g. paling fence or wall) with planting including shrubs and hedging or climbers.
- b) Do not privatize reserve land by extending the residential landscape beyond section boundaries unless Council consent has been obtained.
- c) Consider a hedge, or a fence hidden by a hedge, for the boundary between private property and public land.



Structure dominates.

4.26 OPENINGS

Openings (e.g. window, doors) were generally minimised in early buildings, (especially in stone and mudbrick walls), no doubt because of cost and structural difficulties. Walls tended to dominate over openings.

Windows were double hung to the street facade, and often elsewhere, in the primary elements of cottages. Doors associated with double hung windows were typically 4 panel frame and panel.

In the secondary elements of the cottage and in sheds, windows were usually small and, where operable, often hopper or horizontally-pivoting. Doors in these situations were often ledged and braced.

Doors and windows were invariably timber, and almost always painted.

Recently several new buildings have used aluminium joinery. This is an example of one system attempting to imitate another, and the result being unsuccessful.

4.26.1 GUIDELINES: WINDOWS

4.26.1.1 The approach to the placement and proportions of windows and doors within the ARHMZ should be based on the traditions of the zone. This advice should also be considered for new buildings in the proposed MDR and LDR zones.

- a) For the cottage primary elements the traditional double hung window and 4 panel frame and panel door are encouraged.
- b) For the cottage and shed secondary elements the traditional small windows, (hopper or horizontally pivoting), are encouraged along with ledged and braced tongue and groove doors.
- c) Doors and windows should be symmetrically arranged in the street facade of the cottage primary element.
- d) As a general rule solid walls should dominate over openings in side and back walls, however, more flexibility may be able to be accommodated further back from the street.
- e) All doors and windows should have timber sash with frames and be painted. Frames in other materials, eg. aluminium or steel, are not appropriate and detract from the heritage character of the zone.
- f) Roof glazing is encouraged as a way of achieving more natural light inside the building while keeping the dominance of solid over opening in the walls. Roof glazing should be part of the roof plane and not projecting.
- g) The contrast between the formal street 'face' and the more pragmatic back of house is a characteristic of the cottage. Reserve the use of larger openings, such as French doors, for walls away from the street.
- h) The width of openings should be no more than 1.5m in stone walls.

4.27 CONSTRUCTION AND MATERIALS

The Precinct is characterised by a limited palette of materials, and this served as an effective way of generating cohesiveness. The palette should therefore continue to be restricted.

The materials used in early buildings were sourced locally and processed to the minimum extent necessary. These criteria i.e. local materials and minimum processing, should be used to help determine which, (if any), new materials can be added to the palette.

The older buildings in the Precinct are also united by a shared approach to construction. Each building element was constructed independently over time. Hand technologies were used with a minimum of prefabrication and components were often recycled. This approach made it relatively easy to fit new work into its context.

New construction is more likely to be compatible with the existing buildings if, structurally and in terms of construction, it replicates, (to the greatest practical extent), the traditional processes of construction.

4.27.1 GUIDELINES: CONSTRUCTION AND MATERIALS

4.27.1.1 Within the ARHMZ new buildings should be designed so that each primary element is independent structurally and in terms of construction. Buildings within the proposed MDR and LDR zones should also have the appearance that this is the case, especially where these zones immediately adjoin or adjacent to the ARHMZ.

a) A complex of buildings should be designed to be built as a number of small independent structures, not as a single complicated object 'dressed' with a variety of claddings.

4.27.1.2 Materials should be put together using similar construction techniques to those used traditionally within the area.

a) Design a new building to maximize hand technology and minimize heavy construction.

b) The palette of materials should be restricted to those used traditionally in the ARHMZ. It may be acceptable to use other materials which meet the criteria of local materials and minimal processing.

c) Some variety in the palette of materials on a building is acceptable (too much can be overpowering). Early buildings were normally clad in a variety of materials, e.g. primary element in stone; secondary elements in timber weatherboard; shed in corrugated iron. Often more than one profile of weatherboard was used. This made the parts of the building more distinct and the evolution of the building over-time more evident.

4.27.1.3 Mortared Stone.

a) A local stonework style has developed over the years, using the local schist rock with earth/lime mortar. This style should be used for all stone external walls of buildings. Often these walls were whitewashed.

- b) Stone should not be used for secondary additions unless the primary element is also in stone.
- c) Stone should not be overused: more than half the primary forms in the Precinct have always been of light timber framed construction.
- d) Ideally stone walls should be structural. Veneers are only acceptable where the veneer is at least 200mm thick.

4.27.1.4 Corrugated Iron - Roofs And Wall Cladding

- a) Corrugated iron is the traditional roofing material for roofs with greater than 8° pitch.
- b) Most roofs have traditionally remained unpainted. The old formula for galvanized iron weathers to a beautiful matte patina, but is unfortunately no longer available.
- c) Colorsteel is rather too shiny and should not be used. Low gloss paint finish is acceptable.
- d) Zinalume and the modern galvanised steel are too bright and intrusive, and should not be used.
- e) 'Oil-only' steel is very bright at first, but appears to dull off to an acceptable extent after five or more years.
- f) Corrugated iron can also be used as a wall cladding. Painted timber trim similar to that used with weatherboards should be used with corrugated iron wall claddings.

4.27.1.5 Timber Weatherboards.

- a) Painted horizontal timber weatherboards in bevelback and rusticated profiles are common. They should be used with traditional trim, like facings and boxed corners, and should be painted.
- b) Tongue and groove boarding should be used for situations like the soffits of verandahs and is most appropriate.
- c) Non-timber weatherboards should be avoided as they are unlikely to retain their timber like appearance as the product ages.

4.27.1.6 Plaster

- a) Plaster should be solid cement plaster at least 20mm thick. While plaster is a recommended finish for concrete block work, timber weatherboards or corrugated iron is preferred as a finish for timber framed walls. Plaster is not recommended for stone or mudbrick, partly because it does not reliably adhere to these surfaces.
- b) Plaster should be whitewashed or matt painted.
- c) Plaster styled to imitate mortared schist stonework is not appropriate and should not be used. It has been popular recently but is unsuccessful.



Mortared stone.



Timber weatherboard.

4.27.1.7 Mudbrick

- a) Mudbricks were commonly used in Arrowtown in the early days, as they could be made on site and the main cost of manufacture was labour. Today they are still a viable option, and their use has been codified by Standards NZ. They should be finished with an earth/ lime plaster and possibly a limewash.
- b) Other earth techniques like rammed earth are possible, but less recommended as they are not the local tradition.

4.27.1.8 Brick

- a) Fired brick was a relatively highly-manufactured, expensive and rare material in early Arrowtown. It was used for chimneys, and sometimes for lintels and other trim in stonework. Brick should not be used for other than these limited roles.

4.28 COLOUR

Early paint colours for walls were generally in the ochre/fawn/ cream range and subdued in hue. Buildings related harmoniously to each other in most instances.

4.28.1 GUIDELINES: COLOUR

4.28.1.1 Within the ARHMZ paint colours should be selected from Resene or Aalto Heritage Colour Charts or colours closely compatible with these. Colours brighter in hue to those in the charts should be avoided. Similar paint colours should be applied to buildings within the proposed MDR and LDR Zones and especially where these zones are adjacent to or adjoin the ARHMZ.

4.28.1.2 For restoration projects, colours should replicate those colours discovered on the building by paint scraping.

4.29 POSSIBLE VARIATIONS

The fundamental character of the ARHMZ was established early on, but as subsequent decades passed, many more dwellings have been built and in styles current at the time. Some, including the more recent grander houses have not fitted in well, while others for example, many of the post-war cribs, have successfully merged into the zone.

The critical factor appears to be scale. The zone may be able to tolerate some variation in aspects such as form, however it cannot tolerate contradictions to its characteristic built scale.

4.29.1 GUIDELINES: POSSIBLE VARIATIONS

4.29.1.1 Some new variation may be acceptable within the ARHMZ (for instance in forms or materials), provided that the character of the zone is not contradicted.

- a) Some primary elements may possibly adopt forms other than the gable form described, provided they remain well within element/cell size limits. The chosen form must be simple and geometric.
- b) One primary element per lot may possibly be a little larger in floor area, provided it is within both the cell size volume and height limit. It may be appropriate for floor levels to extend below original and finished ground level as part of this variation.
- c) One primary element per lot may possibly be two-storey, provided it is within the cell size volume limit and is attic-like (i.e. floor to ceiling height is less than 1.6m at the wall/roof intersection, and wall height maximum is 3.5m above original and finished ground). It may be appropriate for floor levels to extend below original and finished ground as part of this variation. This guideline does not imply that a two-storey element will be acceptable on any and every lot. The zone must continue to be dominated by low single-storey cottages.
- d) Glazing may possibly be treated as a roof or wall cladding in its own right, rather than as an opening in another cladding. (A conservatory might be an example of this.) It may possibly be appropriate to involve aluminium or steel glazing bars in such a treatment, provided it is not visible from the street. Only clear glass should be used.
- e) It may be appropriate from a heritage/design perspective to infringe into the setbacks in some places, provided the building also withdraws from the same setback for at least an equivalent area in other places, and only where it improves the quality of open space on the lot and (especially) the amenity of the neighbours and the wider neighbourhood.



PHOTO CREDIT: ARROWTOWN PROMOTION AND BUSINESS ASSOCIATION, INC.

5. APPROVED LISTS

5.1 PLANTS

PLANTING GENERAL

In Arrowtown, where heritage character is valued by the Community (local and national), plants need to be chosen much more carefully than for many other towns. Trees and all vegetation in the streets, parks and private gardens contribute in a major way to character.

The Old Town has developed a heritage character reminiscent of the early phases of 19th century Arrowtown. While buildings and other features have aged, plants have matured creating a key part of the unique fabric of Arrowtown's character. For example, the most photographed example of mature tree structure in the Town - the Buckingham Street Avenue. It is these old plants – and a number of their relatives - that are regarded as appropriate to Arrowtown. These plants and the way they were used hold one of the keys to creating cohesion between the new and old parts of Arrowtown and also to retaining and enhancing the heritage values of the Old Town.

The guidelines discuss planting and appropriate species for each Character Area i.e. the Town Centre, Arrowtown Residential Historic Management Zone ('ARHMZ'), and the New Town (encompassing the proposed Medium Density Residential and Low Density Residential Zones) and should be read in conjunction with these lists.

The plant lists give guidance to the appropriate trees or plants species for each area that will contribute to Arrowtown's special character. A number of species that formed part of the Arrowtown Design Guidelines 2006 have now been identified as wilding exotic trees within section 34.4 of the Proposed District Plan and as a consequence have been deleted. These include Douglas Fir, Sycamore and Hawthorn.

THE PLANT LISTS INCLUDE:

- Large Structure Trees
- Small/medium Structure Trees)
- Fruit Trees
- Other Trees and Large Shrubs (> 2.0m)
- Hedges
- Native Plant Species
- Heritage Roses
- Maintenance of Trees
(a few key pointers are included on tree maintenance)

How to use these lists.

‘TC’ refers to the Arrowtown Town Centre Zone;

‘ARHMZ’ refers to the Arrowtown Residential Historic Management Zone

‘NT’ for New Town (encompassing the proposed Medium Density Residential and Low Density Residential Zones).

✓ Indicates appropriate material.

✗ Indicates inappropriate material.

STRUCTURE TREES

Structure trees are the large trees, which are the single most important structural plant element of the Arrowtown character. The Old Town is dominated by large trees, in the streets, private gardens and public reserves and it is important to maintain this characteristic and develop it in the New town. Ways to successfully integrate structure trees within new urban areas are shown in the guidelines.

Fruit and nut trees can make good small to medium structure trees – refer list.

LARGE STRUCTURE TREES

Deciduous Species

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
✓	✓	✓	Abies alba	Silver fir		conifer
✓	✓	✓	Acer platanoides	Norway Maple		
✓	✓	✓	Aesculus hippocastanum	Horse Chestnut	✓	white
✓	✓	✓	Arbutus unedo	Strawberry tree	✓	evergreen
✓	✓	✓	Carpinus betulus	Common Hornbeam		
x	x	✓	Cedrus atlantica	Atlantic cedar		conifer
x	x	✓	Cedrus deodara	Himalayan Cedar		conifer
x	x	✓	Chamaecyparis lawsoniana	Lawson Cypress		conifer
✓	✓	✓	Corylus colurna	Turkish Hazel		inconsp.
✓	✓	✓	Cryptomeria japonica	Japanese cedar		conifer
✓	✓	✓	Cupressus macrocarpa	Macrocarpa	✓	conifer
✓	✓	✓	Fagus sylvatica	European Beech		
x	✓	✓	Fagus sylvatica 'Atropunicea'	Copper Beech		
x	✓	✓	Fagus sylvatica f. purpurea	Copper Beech		
✓	✓	✓	Fraxinus angustifolia	Ash		
✓	✓	✓	Fraxinus excelsior	European Ash	✓	
✓	✓	✓	Ginkgo biloba	Maidenhair tree		
x	x	x	Gleditsia triacanthos	Honey Locust		
x	✓	✓	Juglans nigra	Black Walnut		
✓	✓	✓	Juglans regia	Common Walnut	✓	

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
✓	✓	✓	<i>Juniperus virginiana</i>	Virginian Juniper		conifer
x	✓	✓	<i>Koelreuteria paniculata</i>	Golden rain tree		
x	x	✓	<i>Larix kaempferi</i>	Japanese Larch		conifer
x	x	✓	<i>Liquidambar styraciflua</i>	Liquidambar		
✓	✓	✓	<i>Picea abies</i>	Norway spruce	✓	conifer
x	✓	✓	<i>Pinus coulteri</i>	Big Cone Pine		conifer
✓	✓	✓	<i>Pinus pinea</i>	Stone pine		conifer
x	x	✓	<i>Platanus orientalis</i>	Oriental Plane		
x	x	✓	<i>Platanus x acerifolia</i>	London Plane		
✓	✓	✓	<i>Populus alba</i>	White Poplar	✓	
✓	✓	✓	<i>Populus nigra</i>	Black Poplar	✓	
✓	✓	✓	<i>Populus nigra 'Italica'</i>	Lombardy Poplar	✓	
✓	✓	✓	<i>Populus tremula</i>	European Aspen	✓	
✓	✓	✓	<i>Populus tremuloides</i>	American Aspen	✓	
x	x	✓	<i>Populus x Hybr 'Crows Nest'</i>	Hybrid Polar		
✓	✓	✓	<i>Quercus cerris</i>	Turkey Oak		
✓	✓	✓	<i>Quercus coccinea</i>	Scarlet Oak		
✓	✓	✓	<i>Quercus ilex</i>	Holm Oak		evergreen
✓	✓	✓	<i>Quercus palustris</i>	Pin Oak		
✓	✓	✓	<i>Quercus petraea</i>	Stone Oak		
✓	✓	✓	<i>Quercus robur</i>	German Oak	✓	

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
✓	✓	✓	Quercus robur 'Fastigiata'	Cypress Oak		
x	x	x	Robinia pseudoacacia	Black Locust		white
x	✓	✓	Sequoia sempervirens	Coast Redwood		conifer
x	✓	✓	Sequoiadendron giganteum	Wellingtonia	✓	conifer
✓	✓	✓	Sophora japonica	Pagoda Tree		white-yellow
x	x	✓	Taxodium distichum	Swamp Cypress		Deciduous conifer
x	x	✓	Thuja plicata	Western Red Cedar		conifer
✓	✓	✓	Tilia cordata	Small-leaved Lime		
✓	✓	✓	Tilia intermedia syn. T. x europaea	Common Lime		
✓	✓	✓	Tilia platyphylla	Large-leaved Lime		
✓	✓	✓	Ulmus glabra	Wych Elm		

NATIVE SPECIES

Arrowtown has developed a uniquely exotic 'European character' and hence while native plants are by definition appropriate anywhere in New Zealand they should be seen in Arrowtown as adding accents as opposed to providing the dominant planting theme i.e natives en masse.

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
x	✓	✓	Nothofagus fusca	Red Beech		
x	✓	✓	Nothofagus menziesii	Silver Beech		
x	✓	✓	Nothofagus solandri var. cliffortoides	Mountain Beech	✓	
x	✓	✓	Podocarpus hallii	Hall's Totara		

SMALL/MEDIUM STRUCTURE TREES

Deciduous Species

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
✓	✓	✓	<i>Acer campestre</i>	Field Maple	✓	-
x	x	✓	<i>Acer negundo</i>	Box Elder		
x	x	x	<i>Alnus spp</i>	Alder		
✓	✓	✓	<i>Arbutus unedo</i>	Strawberry Tree	✓	evergreen
✓	✓	✓	<i>Castanea sativa</i>	Sweet Chestnut		white
x	✓	✓	<i>Fraxinus oxycarpa</i> 'Raywood'	Claret Ash		
x	x	x	<i>Gleditsia triacanthos</i> 'Inermis'	Honey Locust		
✓	✓	✓	<i>Ilex aquifolium</i>	Common Holly	✓	evergreen
x	x	✓	<i>Juniperus communis</i>	Common Juniper		evergreen
✓	✓	✓	<i>Malus</i> (old varieties)	Crab Apple	✓	White/ pink
✓	✓	✓	<i>Pyrus calleryana</i>	Ornamental Pear		white
✓	✓	✓	<i>Sorbus aria</i>	Whitebeam		white
✓	✓	✓	<i>Sorbus aria</i> 'Lutescens'	White Beam		white
✓	✓	✓	<i>Sorbus aucuparia</i>	Rowan	✓	white
✓	✓	✓	<i>Sorbus aucuparia</i> 'Edulis'	Rowan		white
x	x	✓	<i>Sorbus hupehensis</i>	Rowan		white
✓	✓	✓	<i>Taxus baccata</i>	Common Yew	✓	evergreen
✓	✓	✓	<i>Taxus baccata</i> 'Fastigiata'	Columnar Yew	✓	evergreen
✓	✓	✓	<i>Tsuga canadensis</i>	Canadian Hemlock		evergreen

NATIVE SPECIES

Use for accents only within exotic plantings.

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
x	✓	✓	Cordyline australis	Cabbage Tree		white
✓	✓	✓	Plagianthus betulinus	Ribbonwood		greenish
✓	✓	✓	Plagianthus divaricatus	Ribbonwood		
✓	✓	✓	Pseudopanax crassifolius	Lancewood		
✓	✓	✓	Sophora microphylla	Kowhai		yellow

MEDIUM/SMALL TREES AND LARGE SHRUBS (<2.0METRES)

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
x	✓	✓	Acer palmatum	Japanese maple		
x	✓	✓	Acer rubrum	Red Maple		
✓	✓	✓	Amelanchier laevis	Alleghany Serviceberry		white
✓	✓	✓	Amelanchier lamarckii (syn A. canadensis)	Snowy Mespilus		white
x	x	x	Buddleia alternifolia	Fountain Butterfly Bush	✓	
✓	✓	✓	Buddleia davidii	Summer Lilac	✓	
x	✓	✓	Camelia spp	Camelia		
x	✓	✓	Ceananthus spp	California Lilac		
✓	✓	✓	Chaenomeles spp	Flowering Quince		
✓	✓	✓	Chimonanthus praecox	Winter Sweet		
✓	✓	✓	Corylopsis spicata	Winter hazel		
✓	✓	✓	Corylus avellana	Hazelnut	✓	golden yellow

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
✓	✓	✓	Cotinus coggygria	Smoke bush		
✓	✓	✓	Elaeagnus angustifolius	Oleaster	✓	yellow
✓	✓	✓	Garrya elliptica	Catkin bush		
x	✓	✓	Gleditsia triacanthos 'Limelight'	Gleditsia	✓	
x	✓	✓	Gleditsia triacanthos 'Skyline'	Gleditsia	✓	
x	✓	✓	Hamamelis mollis	Chinese Witch Hazel		
✓	✓	✓	Kolkwitzia amabilis	Beauty Bush		
✓	✓	✓	Laburnum anagyroides	Golden Chain	✓	bright yellow
x	✓	✓	Magnolia campbellii	Pink Tulip Tree		Many cultivars
x	✓	✓	Magnolia x soulangeana	Tulip Magnolia		
x	✓	✓	Magnolia x stellata	Star Magnolia		
✓	✓	✓	Malus spp	Crab Apple	✓	various
✓	✓	✓	Philadelphus coronarius	Sweet Mock Orange	✓	
x	x	✓	Photinia spp	Photinia		
✓	✓	✓	Prunus laurocerasus	Cherry Laurel	✓	evergreen
✓	✓	✓	Prunus lusitanica	Portugal Laurel	✓	evergreen
✓	✓	✓	Prunus x yedoensis	Great White Cherry	✓	white
✓	✓	✓	Pyracantha cultivars	Firethorn		
✓	✓	✓	Pyrus salicifolia 'Pendula'	Weeping Silver Pear		white
x	✓	✓	Rhododendron spp	Rhododendron		
✓	✓	✓	Ribes sanguineum	Flowering currant	✓	

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
✓	✓	✓	Rosa sp.	Shrub roses	✓	various
✓	✓	✓	Sambucus nigra	Elderberry	✓	white
✓	✓	✓	Syringa x vulgaris (Varieties)	Common Lilac	✓	various
✓	✓	✓	Viburnum opulus var. sterile	Guelder Rose	✓	white
✓	✓	✓	Viburnum tinus	Laurustinus	✓	evergreen

NATIVE SPECIES

Use for accents only within exotic plantings.

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
x	✓	✓	Aristotelia fruticosa	Mountain Wineberry		
x	✓	✓	Aristotelia serrata	Wineberry		
x	✓	✓	Aristotelia x 'Hugh Wilson'	Mountain Wineberry		crimson
x	✓	✓	Cordyline australis	Ti, Cabbage Tree		
✓	✓	✓	Griselinia littoralis	Broadleaf		
✓	✓	✓	Hebe cupressoides	Hebe		lilac
✓	✓	✓	Hebe salicifolia	Willow Hebe		
x	✓	✓	Hoheria lyalli	Ribbonwood		
x	✓	✓	Hoheria sexstylosa	Houhere - Long-leaved Lacebark		white
✓	✓	✓	Olearia arborescens	Olearia		
x	✓	✓	Olearia avicenniaefolia	Olearia		
x	✓	✓	Phormium tenax	Flax	✓	

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
x	✓	✓	Pittosporum tenuifolium	Kohuhu		
x	✓	✓	Podocarpus nivalis	Mountain Totara		
x	✓	✓	Pseudopanax arboreus	Lancewood		
x	✓	✓	Pseudopanax ferox	Fierce Lancewood		

FRUIT TREES

Fruit and nut trees are worth special mention as they are an important, but diminishing, part of Arrowtown's heritage. Planting fruit trees will reinforce Arrowtown's character and also provide a number of amenities including structure (if of sufficient height), shade in summer, blossom in spring followed by fruit, autumn colour, and structure in winter. Fruit trees are an excellent option for a small to medium sized tree.

Below is a selection of varieties tested in the Wakatipu area - a selection only. Some of the larger fruit trees are also suitable as small/medium structure trees. Old varieties are of particular interest. They often provide fruit of unusual taste and are often suitable for organic production, which means they do not need to be sprayed like modern orchard production varieties).

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
✓	✓	✓	Almond 'Monovale'	Almond	✓	
✓	✓	✓	Apple 'Braeburn'	Apple		
✓	✓	✓	Apple 'Cox's Orange'	Apple		
✓	✓	✓	Apple 'Granny Smith'	Apple		
✓	✓	✓	Apple 'Gravenstein Allred'	Apple		
✓	✓	✓	Apple 'Reinette Du Thorn'	Apple		
✓	✓	✓	Apricot 'Moorpark'	Apricot		
✓	✓	✓	Black Currant		✓	

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp	
✓	✓	✓	Blackberry		✓	
✓	✓	✓	Blueberry			
✓	✓	✓	Cherry 'Schattenmorelle'	Cherry		
✓	✓	✓	Cydonia oblonga (varieties)	Quince		
✓	✓	✓	Ficus carica	Fig		
✓	✓	✓	Olea europaea 'Verdale'	Olive		
✓	✓	✓	Pear 'Packham's Triumph'	Pear		
✓	✓	✓	Pear 'Williams Bon Chretien'	Pear		
✓	✓	✓	Pear 'Winter Cole'	Pear		
✓	✓	✓	Pear 'Winter Nellis'	Pear		
✓	✓	✓	Prune 'Bühler Frühzwetschge'	Prune		
✓	✓	✓	Prunus 'Damsan'	Plum	✓	
✓	✓	✓	Raspberry		✓	
✓	✓	✓	Red Currant		✓	
✓	✓	✓	Reineclaude de Bavay	Green Gage		
✓	✓	✓	Vitis x Hybr	Grape		

HERITAGE ROSES

The following is only a small sample of the 400 or so heritage Roses that can be found in New Zealand. This selection comprises some of the more popular old Roses that are of relevant age to early Arrowtown, and are readily available from specialist nurseries.

Town Centre	ARHMZ	New Town	Botanical Name	Historic	Colour	Attributes
✓	✓	✓	Charles de Mills	Pre 1860	Purple-Crimson	Highly perfumed Gallica
✓	✓	✓	Felicite Parmentier	Pre 1860	Soft pink	Alba
✓	✓	✓	Honorine de Brabant	Pre 1860	Striped	Bourbon
✓	✓	✓	Ispahan	Pre 1860	Bright pink	Scented Damask
✓	✓	✓	Mutabilis	Pre 1860	Multi color single	Very Old China Rose
✓	✓	✓	Reine Des Violettes	Pre 1860	Violet	H/P Shrub
✓	✓	✓	Rosa Mundi	Pre 1860	Striped	Very old Gallica
✓	✓	✓	Rosa Rugosa Alba	Pre 1860	White-single	
✓	✓	✓	Scarbrosa	Pre 1860	Large pink	Rugosa - Attractive hips
✓	✓	✓	Stanwell Perpetual	Pre 1860	Pale pink	Continuous blooming Pimpinellifolia
✓	✓	✓	Zephrine Drouhin	Pre 1860		Thornless climber
✓	✓	✓	La Reine Victoria	1870's	Lilac pink	Perpetual flowering Bourbon
✓	✓	✓	Louise Odier	1870's	Pink	Perpetual flowering Bourbon
✓	✓	✓	Cecile Brunner	1880's	Small pink	Sweetheart Rose
✓	✓	✓	Mme Issac Pereire	1880's		Highly perfumed Bourbon
✓	✓	✓	Alister Stella Gray	1890's	Yellow	Rambler
✓	✓	✓	Perle d'Or	1890's	Small apricot	Long Blooming
✓	✓	✓	Blanc Double de Coubert	1890's	White	Rugosa

Town Centre	ARHMZ	New Town	Botanical Name	Historic	Colour	Attributes
✓	✓	✓	Belle Poitevine	1890's	Pink	Rugosa
✓	✓	✓	Souvenir de Mme Leonie Viennot	1890's	Pink & cream	Tea Rose
✓	✓	✓	Alberic Barbier	1900's	Cream yellow	Rambler
✓	✓	✓	Climbing Cecile Brunner	1900's	Small pink	
✓	✓	✓	Crepuscule	1900's	Apricot	Climber
✓	✓	✓	Fantin-Latour	1900's	Soft pink	Centifolia
✓	✓	✓	Paul Transon	1900's	Salmon pink	Rambler
✓	✓	✓	Veilchenblau	1900's	Violet-blue	Rambler

TREE MAINTENANCE

Maintenance of trees can have considerable effects both positive and negative.

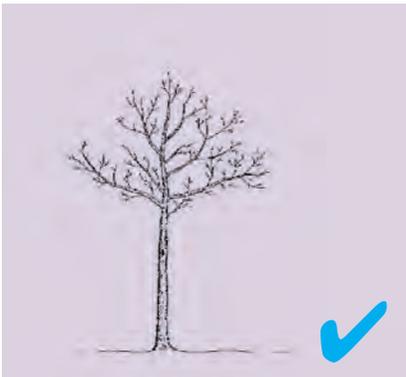
Topped trees look ugly and disfigured. Consider limbing up the canopy to provide views beneath limbs. To lighten areas and increase winter sun the thinning out of growth can provide more light and sun. Consult with a professional arborist or the Council.



Best - let trees grow.



Thin out crown to obtain more light.



Limb up trees to obtain views under.



Do not top trees!

5.2 HEDGES

Hedges are an integral part of the Old Town (Arrowtown Town Centre and Arrowtown Residential Historic Management Zone), however, surprisingly they are used sparingly in the newer parts of the town. Kent Street provides a good example of this difference. On the “old” side, hedges dominate and on the “new” side there are virtually no hedges. Hedges offer a variety of benefits including; shelter from views and wind, nesting opportunities for birds, flowers (some species) and they are a soft garden and streetscape element, which functions as ‘a green wall’. Hedges are very easy to maintain. Two cuts a year are sufficient for most types.

PLANT SELECTION

Sometimes a flowering hedge is desired. Such plants may be pruned periodically, perhaps once a year, or allowed to grow in their natural informal shape rather than in a sheared unnatural form.

Deciduous hedges generally provide screening only during the growing season. However some types, if pruned severely over a period of time, will form a dense tangle of twigs, which provide a fair winter screen.

Evergreens, both broad and narrow-leaved types, are effective year-round hedges. Species recommended species for hedge plants are listed in Table 2.

PLANTING

Deciduous hedge plants are usually planted as bare root or container stock. Narrow and broad-leaved evergreens should be planted balled and burlapped, or from containers.

For most hedges, digging a planting trench is preferred over individual plant holes. Be sure to set the plants at their original soil levels after carefully preparing the entire trench area. The plant spacing will vary with the type of stock and the purpose of the hedge. For small formal hedges, space the plants 6-8 inches apart. Larger plants can be spaced 18-30 inches apart. Conifers (for taller hedges) that require little trimming should be spaced about six feet apart. Plants for informal or untrimmed hedges should be spaced farther apart than if planted for trimmed hedges. To assure a thicker hedge, place plants in a double row (2 rows 12 inches apart with plants staggered as shown in Figure 1).

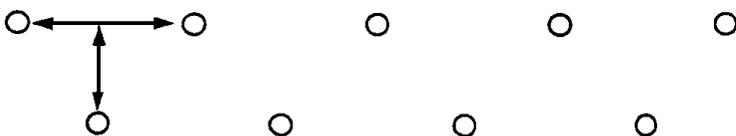


Figure 1. Staggering plants in a double row is desirable for thicker hedges.

With deciduous plants, cut the plants back to within 6-8 inches of the ground immediately after planting. This allows the roots to become established and produces fuller top growth. Evergreens should be given a preliminary shaping at planting time.

TRAINING

Most people make the mistake of allowing the hedge to grow too tall before cutting. An ideal hedge is well-branched to the ground. As a general rule, stems should be cut back at least six inches every time they grow a foot.

The sides of the hedge should be cut proportionally. Never allow the top of the hedge to become wider than the bottom. Wide tops tend to shade out the lower branches, and the hedge will become weak and leggy. Snow accumulation should also be less of a problem (Figure 2) by keeping the top narrower than the bottom.

The top of the hedge can be either flat or rounded. Flat tops are easier to cut, but more visually stiff. Always use a pair of stakes and a heavy cord for guidance while developing the desired shape, as to evenly prune a hedge by eye is extremely difficult.

REJUVENATION

Often homeowners find themselves the proud owners of an overgrown neglected hedge. For a deciduous hedge there are two choices for rejuvenating a hedge, depending on the specific plant involved.

If the hedge is not too overgrown, cut back the sides and top to 6 inches more than is desired for the eventual finished hedge. This “minor cutback” allows a new twiggy outside layer to form which may be pruned to the desired size in several stages.

If the hedge is very overgrown, some plant species may be completely cut back to within 6-12 inches of the ground. Do not assume however that all plant species will respond favorably to this treatment. In many cases, the entire hedge should be removed and replanted with new plants of a desirable type. For cutting, use a large lopper or saw to remove large stems. The “complete cutback” technique works especially well with privet and forsythia. Train the new growth as if you were starting a new hedge.

Rejuvenation of evergreen hedges is usually limited to the “minor cutback” approach. Many evergreens will not re-grow if cut back to where no foliage is present on the stem. It is often necessary to pull out an old evergreen hedge and start over with new plants.

A number of hedge species suitable to the Town Centre, Arrowtown Residential Historic Management Zone and New Town (encompassing the proposed Medium Density Residential and Low Density Residential Zones) are outlined below.

How to use these lists.

‘TC’ refers to the Arrowtown Town Centre Zone;

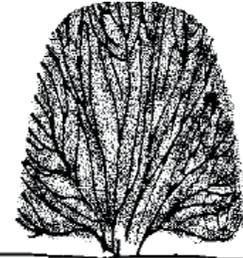
‘ARHMZ’ refers to the Arrowtown Residential Historic Management Zone

‘NT’ for New Town (encompassing the proposed Medium Density Residential and Low Density Residential Zones).

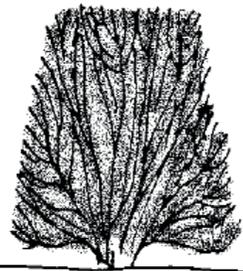
✓ Indicates appropriate material.

✗ Indicates inappropriate material.

Figure 2, correct hedge forms.



Round-narrow top



Flat-narrow top
Slope sides wide base

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp		Native
✓	✓	✓	Acer campestre	Field Maple	✓		
✓	✓	✓	Buxus sempervirens (& varieties)	Box	✓	evergreen	
✓	✓	✓	 Carpinus betulus	Common Hornbeam	✗		
✗	✗	✓	Ceanothus impressus	Californian Lilac	✗	Spreading	
✓	✓	✓	Chaenomeles x Hybrid	Flowering Quince	✓		
✓	✓	✓	Coprosma propinqua	Mikimiki	✗		Yes
✓	✓	✓	Coprosma rugosa	Coprosma	✗		Yes
✓	✓	✓	 Corylus avellana	Common or European Hazel	✓		
✓	✓	✓	Cornus mas	Cornelian Cherry	✗		
✓	✓	✓	Corokia cotoneaster	Zig-Zag Shrub	✗	Berries	Yes
✓	✓	✓	Cupressus macrocarpa	Macrocarpa	✓		
✓	✓	✓	Elaeagnus angustifolius	Oleaster	✓	Fol. silvery, "olive"	
✓	✓	✓	Escallonia x exoniensis	Escallonia	✓		

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp		Native
✓	✓	✓	 Fagus sylvatica	European Beech	✗		
✗	✗	✓	Fagus sylvatica 'Atropunicea'	Copper Beech	✗	fol.red, grafted	
✗	✗	✓	Fagus sylvatica f. purpurea	Copper Beech	✗	red/green	
✗	✗	✓	Griselinia littoralis				Yes
✗	✗	✓	Hebe buxifolia	Hebe	✗	very hardy	Yes
✗	✗	✓	Hebe cupressoides	Hebe	✗		Yes
✓	✓	✓	 Ilex aquifolium	Common Holly	✓	red berries, evergreen	
✗	✗	✓	Juniperus communis	Common Juniper	✗		
✓	✓	✓	Lavandula angustifolia	Lavender	✓		
✓	✓	✓	Ligustrum vulgare	European Privet	✓	Evergreen	
✓	✓	✓	Lonicera nitida	Honeysuckle	✓		
✓	✓	✓	Lonicera pileata		✓	evergreen	
✓	✓	✓	Nothofagus fusca	Red Beech	✗		Yes
✗	✗	✓	Nothofagus menziesii	Silver Beech	✗		Yes

Town Centre	ARHMZ	New Town	Botanical Name	Common Name	Arrowtown Historic spp		Native
x	✓	✓	Nothofagus solandri var. cliffortoides		x		Yes
✓	✓	✓	Olearia arborescens	Olearia	x		Yes
x	✓	✓	Olearia lineata 'Dartonii'		x		Yes
x	✓	✓	Photinia sp	Photinia	x	fruit, edible, shoots	
x	✓	✓	Pittosporum tenuifolium		x		Yes
x	✓	✓	Podocarpus hallii		x	hardier than P. totara	Yes
✓	✓	✓	 Prunus laurocerasus	Cherry Laurel	✓	hedge	
x	✓	✓	Quercus ilex	Holm Oak	x		
✓	✓	✓	Rosmarinus officinalis	Rosemary	✓		
✓	✓	✓	Taxus baccata	Common Yew	✓		
✓	✓	✓	Taxus baccata 'Fastigiata'	Columnar Yew	✓	columnar	
x	x	✓	Teucrium fruticans	Wall Germander	x		
x	x	✓	Thuja plicata	Western Red Cedar	x	moist	
x	✓	✓	 Viburnum tinus	Laurustinus	x	evergreen	

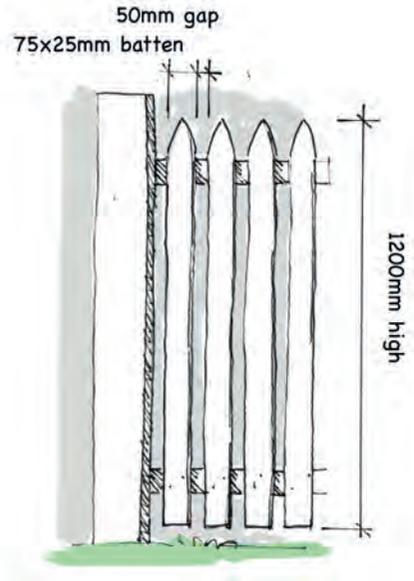
5.3 FENCES AND GATES

Fences in Arrowtown date back to the times of farming and cropping they acted to protect the production areas or keep stock in place.

Only later did they get the function to protect privacy. It is obvious that street corners were often “heavily defended” by fences and/or hedges. Appropriate fencing contributes to the character of the street, the neighbourhood and the entire town. Below are some examples of appropriate fences and gates and also some examples of fences that detract from the character of Arrowtown.

Detail showing appropriate fence proportions.

A range of fences is shown below for the various parts of Arrowtown.



How to use these lists.

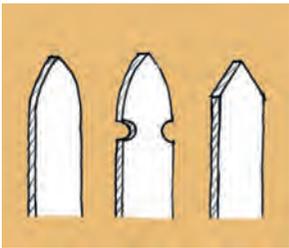
‘TC’ refers to the Arrowtown Town Centre Zone;

‘ARHMZ’ refers to the Arrowtown Residential Historic Management Zone

‘NT’ for New Town (encompassing the proposed Medium Density Residential and Low Density Residential Zones).

✓ Indicates appropriate material.

✗ Indicates inappropriate material.

 <p>Traditional picket detail</p>						 <p>Planting & fence combined</p>					
TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
 <p>Mesh fence & hedge Effective to keep dogs & children out</p>			 <p>Mesh-transparent</p>						 <p>Wrought Iron Gates</p>		
TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

											
TC ✗	ARHMZ ✓	NT ✓	TC ✗	ARHMZ ✗	NT ✗	TC ✗	ARHMZ ✗	NT ✓	TC ✗	ARHMZ ✓	NT ✓
											
TC ✗	ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓	NT ✓	TC ✗	ARHMZ ✓	NT ✓
											
TC ✗	ARHMZ ✗	NT ✓	TC ✗	ARHMZ ✓	NT ✓	TC ✗	ARHMZ ✗	NT ✗	TC ✗	ARHMZ ✗	NT ✗
											
TC ✗	ARHMZ ✗	NT ✗	TC ✗	ARHMZ ✗	NT ✗	TC ✗	ARHMZ ✗	NT ✗	TC ✗	ARHMZ ✗	NT ✗

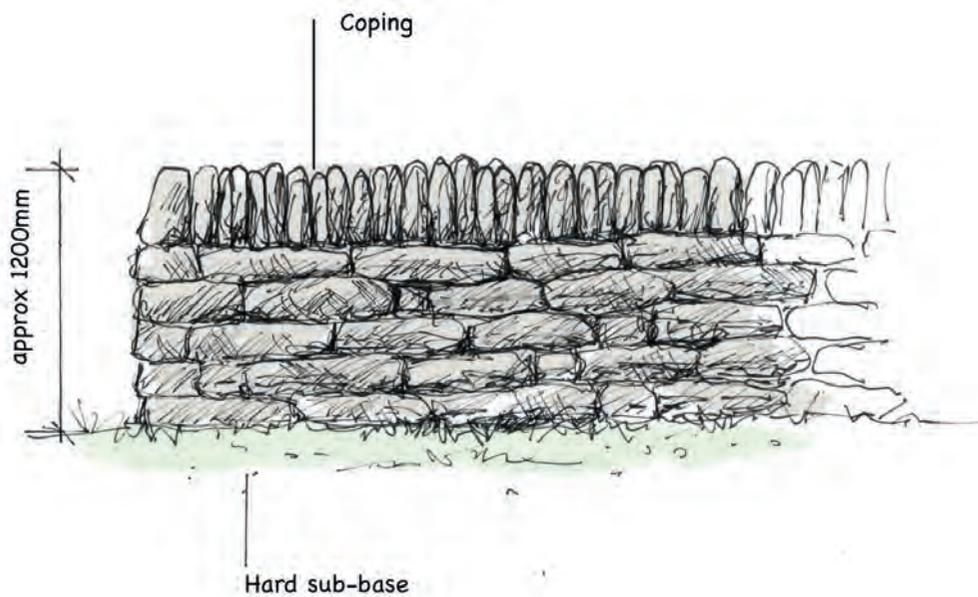
											
Pretends to be 'historic'			Steel fence			Corrugated Iron & plaster			Timber basket weave		
TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT
X	X	X	X	X	X	X	X	X	X	X	X
											
Quirky			Diagonal visually dominant & not historic			Needs softening by planting			Needs softening by planting		
TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT
X	X	✓	X	X	✓	X	X	✓	X	X	✓
											
Post & batten			Too rustic								
TC	ARHMZ	NT	TC	ARHMZ	NT						
X	X	✓	X	X	✓						

OTHER INAPPROPRIATE TYPES AND MATERIALS

- Pre-cast concrete panels
- Hardboard and timber panels
- Sheet metal

5.4 WALLS AND RETAINING WALLS

Walls and retaining walls were used more often for public spaces than private spaces. Materials were sourced locally and most examples were dry stone walls with a stone coping, See below for appropriate examples of walls for reinforcing Arrowtown's



Stonewall detail

How to use these lists.

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'ARHMZ' refers to the Arrowtown Residential Historic Management Zone

'NT' for New Town (encompassing the proposed Medium Density Residential and Low Density Residential Zones).

✓ Indicates appropriate material.

✗ Indicates inappropriate material.

											
Mortared stone	Rendered mortar finish	Stone and mud pillars and wall (cemetery)	Dry stone retaining wall								
TC ✓	ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓	NT ✓
											
Dry stonewall (freestanding)	Dry stonewall (freestanding)	Dry stonewall (freestanding)	Dry stone retaining wall								
TC ✓	ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓	NT ✓
											
Local stone (e.g. Alexandria stone)	Dry stone retaining wall	Digger stacked	Concrete with plaster render								
TC ✗	ARHMZ ✗	NT ✗	TC ✓	ARHMZ ✓	NT ✓	TC ✗	ARHMZ ✗	NT ✓	TC ✗	ARHMZ ✗	NT ✓
											
River Boulders	Mortared-flat faced stone	Stone pillars	Masonry Wall								
TC ✗	ARHMZ ✗	NT ✓	TC ✗	ARHMZ ✗	NT ✓	TC ✗	ARHMZ ✗	NT ✓	TC ✗	ARHMZ ✗	NT ✗

 <p>Tanalised timber retaining walls (screen with planting)</p>			 <p>Keystone</p>			 <p>Artificial stone</p>			 <p>Concrete block & plaster</p>		
TC ✗	ARHMZ ✗	NT ✓	TC ✗	ARHMZ ✗	NT ✗	TC ✗	ARHMZ ✗	NT ✗	TC ✗	ARHMZ ✗	NT ✗
 <p>Concrete block & plaster</p>			 <p>Gabion retaining wall (OK with local stone)</p>								
TC ✗	ARHMZ ✗	NT ✗	TC ✗	ARHMZ ✗	NT ✓						

5.5 PAVING MATERIAL

Simple, basic materials were used for paving surfaces in early Arrowtown and these are important contributors to the Arrowtown character. Below are some examples of surfaces appropriate to the Town Centre, Arrowtown Residential Historic Management Zone and New Town (encompassing the proposed Medium Density Residential and Low Density Residential Zones).

How to use these lists.

‘TC’ refers to the Arrowtown Town Centre Zone;

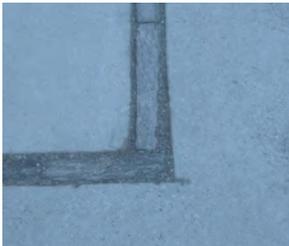
‘ARHMZ’ refers to the Arrowtown Residential Historic Management Zone

‘NT’ for New Town (encompassing the proposed Medium Density Residential and Low Density Residential Zones).

✓ Indicates appropriate material.

✗ Indicates inappropriate material.

											
River Gravel			River Gravel			River Gravel strips			Roading chip		
TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
											
Exposed aggregate concrete			Lime chip			Crazy paving in concrete or mortar			Crazy paving (with schist insert)		
TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

			
Olygon paving	Rusher dust	Flagstones in crusher dust	Flagstones in grass
TC ✓	ARHMZ ✓	NT ✓	TC ✓
ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓
NT ✓	TC ✓	ARHMZ ✓	NT ✓
			
Cobblestones	Exposed aggregate with schist inserts	Exposed aggregate with schist inserts	Exposed aggregate with hardwood dividers
TC ✓	ARHMZ ✓	NT ✓	TC ✓
ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓
NT ✓	TC ✓	ARHMZ ✓	NT ✓
			
Hardwood boardwalk	Hardwood planks	New Brick	Recycled Brick
TC ✓	ARHMZ ✓	NT ✓	TC ✓
ARHMZ ✓	NT ✓	TC ✗	ARHMZ ✓
NT ✓	TC ✓	ARHMZ ✓	NT ✓
			
Granite/Basalt setts	Bark	Hipseal	Asph
TC ✓	ARHMZ ✓	NT ✓	TC ✓
ARHMZ ✓	NT ✓	TC ✓	ARHMZ ✓
NT ✓	TC ✓	ARHMZ ✓	NT ✓

 <p>Lazed pavers/tiles</p>			 <p>Natural concrete flagstones</p>			 <p>Imported stone</p>			 <p>Coloured concrete</p>		
TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT
X	X	✓	X	X	X	X	X	✓	X	X	✓
 <p>Pre-cast concrete pavers</p>			 <p>Stamped concrete</p>			 <p>River stones</p>					
TC	ARHMZ	NT	TC	ARHMZ	NT	TC	ARHMZ	NT			
X	X	✓	X	X	✓	✓	✓	✓			

5.6 TOWN CENTRE DEVELOPMENT ASSESSMENT CHECKLIST

Check changes and developments against the following list. If there is a 'no' in any box, review that particular aspect and seek ways to modify the proposals so that it can become a 'yes'.

		Yes / No
1	Views and vistas	
	All views in and out of the site are identified.	
	Proposals will not compromise views.	
2	Historic features / character generators	
	All aspects of the Town Centre that contribute to its heritage character have been identified.	
	The historic features and elements / characters will be protected and enhanced.	
3	Collective contribution of features	
	The collective heritage value of features has been identified and has been properly assessed.	
	The proposal will not diminish or destroy the collective heritage values of features within the site, vicinity or Town Centre.	
4	Proposal in context	
	The proposal is shown in relation to the context of the site, adjacent properties, and the Town Centre, and its effects have been properly evaluated.	
	The proposal will fit within its context and protect the values of the Town Centre.	
	The proposal will not affect the adjacent character area.	
	The development protects / enhances the adjacent buildings character, sun and views.	
	A landscape architect has assessed the proposal and its effects.	

		Yes / No
5	Site planning	
	The site layout reflects the traditional layout on the lot for the false front shop or shed building type.	
6	Buildings	
	Existing buildings that contribute to heritage character or have identified heritage character are to remain.	
	Where modification of an existing building is proposed: <ul style="list-style-type: none"> • A conservation management plan had been prepared for structures of heritage value. • The conservation management plan applies to the whole site. • A conservation architect and landscape architect have evaluated the proposed development in relation to the conservation management plan. 	
	New construction: <ul style="list-style-type: none"> • The proposed new construction meets the District Plan objectives, policies and assessment matters and the guidelines in this document. 	
7	Vegetation	
	All existing vegetation has been identified and its contribution to historic character properly.	
	The vegetation has significance beyond the Town Centre.	
	The vegetation will have no negative effects on the neighbouring character area.	
	New plantings will enhance the character of the Town Centre and are appropriate species.	
8	Fences and other boundaries	
	The existing fence has heritage value and will remain.	
	The fence / wall proposed is appropriate to the Town Centre.	

9	Paving and other details	
	All details e.g. drains, paving areas and other features that contribute to historic character will remain.	
	New paving materials are appropriate to the site and Town Centre.	

5.7 LIST OF INFORMATION REQUIRED TO ASSIST APPROPRIATE DESIGN AND DECISION MAKING FOR ALL DEVELOPMENT WITHIN THE TOWN CENTRE

SITE ANALYSIS

Site and context information – use plans, photographs, and written documentation. In relation to the site, show the following on a scaled plan:

- Existing buildings
- Existing access points, footpaths.
- Orientation to north, slope including contours.
- Fences, walls, retaining walls, boundaries and easements.
- Trees and other vegetation on the site.
- Other features on the site, paving details.
- The specific identification of all features on the site. Adjacent sites in the vicinity.

In relation to the surrounding area:

- A location plan in relation to the Town Centre as a whole.
- The built form, scale and character of adjacent buildings and those in the vicinity.
- Views to and from the site.
- Relationship to public spaces, courtyards, the street.
- Vegetation on the site, adjacent properties or public open space.
- Identify the character generators and historic features.
- Identify the public and private use in the area.

Identify and provide an evaluation of the historic character and features of the site and surrounding area – use the guidelines to identify and evaluate the importance of the site and its features to the heritage character of the Town Centre (and where applicable – adjacent character areas).

PROPOSAL

For new construction work provide details on proposals for:

- The site layout including buildings, paving, access ways, fences, vegetation, and any other aspects.
- The building design and materials to be used.
- Fence design details.
- Materials proposed for courtyards, backyards, paving etc.
- Vegetation, including proposed species.

Information to be provided with development proposals should include:

- To scale plans of the proposed development.
- A plan should show how the development's design relates to any existing development on the site, adjacent properties, the street and the Town Centre.
- Proposed integration with the pedestrian network of the Town Centre.
- Proposed new building construction drawn within the context of adjacent development (more than one each side). In the case of the main street the proposed new works is to be drawn in on the Buckingham Street profile to portray the scale and proportions and how it fits into the context of the existing building elevations. Use the profile in the guidelines.

Provide an outline of the proposed development and its design response to the site, adjacent sites, open spaces, and buildings, neighbourhood and precinct.

5.7.1 Where development includes an historic building or item of a recognised heritage value, include a Conservation management Plan (prepared by an appropriately qualified professional). This Plan should be accompanied by an evaluation of the proposed works. An assessment by a qualified landscape architect of the heritage value of vegetation and recommendations should be included.

5.8 ARROWTOWN RESIDENTIAL HISTORIC MANAGEMENT ZONE (OLD TOWN RESIDENTIAL): DEVELOPMENT ASSESSMENT CHECKLIST

Check changes and developments against the following list. If there is a 'no' in any box, review that particular aspect and seek ways to modify the proposals so that it can become a 'yes'.

		Yes / No
1	Views and vistas	
	All views in and out of the site are identified.	
	Views will not be impinged on.	
2	Historic features / character generators	
	All the ARHMZ character generators and historic features and elements for the site and adjacent area have been identified.	
	The historic features and elements/character generators will be protected and enhanced.	
3	Collective contribution of features	
	The collective heritage value of features has been identified and properly assessed.	
	The proposal will not diminish or destroy the collective heritage value of features within the site, vicinity or ARHMZ.	
4	Proposal in context	
	The proposal is shown in relation to the context of the site, adjacent properties, the vicinity, the neighbourhood and the ARHMZ and its effects have been properly evaluated.	
	The proposal will fit within its context and protect the values of the ARHMZ.	
	The site features contribute heritage character to the Town Centre.	
	The Town Centre will not lose heritage value as a result of the proposal.	
	The proposal will not affect other adjacent areas.	
	The development protects/enhances the adjacent properties historic character, sun and views.	

		Yes / No
5	Site planning	
	The site layout reflects the traditional layout and building orientation of the vicinity.	
	New construction is set back from the street within the traditional set back range.	
	Garages and parking are located to the rear of lots.	
	Driveways are single width, and the surfaces meet the guidelines and appropriate to the ARHMZ.	
	The layout reinforces the low-density spaciousness of the ARHMZ.	
6	Buildings	
	Existing buildings that contribute to heritage character, (listed in the District Plan or not), or have identified architectural merit are to be retained.	
	Where modification of an existing building is proposed: <ul style="list-style-type: none"> • A conservation management plan has been prepared for structures of heritage value. • A conservation management plan applies to the whole site. • A conservation architect has evaluated the proposed development in relation to the conservation management plan. 	
	New construction: <ul style="list-style-type: none"> • The proposed new construction meets the District Plan policies, objectives, assessment matters and the guidelines. 	
7	Vegetation	
	All existing vegetation has been identified and its contribution to historic character properly assessed.	
	The vegetation has significance beyond the ARHMZ.	
	Trees, hedges and other vegetation contributing to the heritage character of the site, or ARHMZ will remain.	
	New plantings will enhance the character of the ARHMZ and are appropriate species. Refer Plant Lists, Section 5.	

	Vegetation will dominate the proposed and existing built form.	
	There is an assessment of the existing and proposed vegetation by a landscape architect.	
8	Fences and other boundaries	
	Existing fences with heritage value will remain.	
	A hedge is to be planted and species are appropriate. Refer Plant Lists, Section 5.	
	The fence/wall proposed is appropriate to the ARHMZ. Refer Fence/Wall List, Section 5.	
9	Paving and other details	
	Paving surfaces are appropriate. Surfaces List, Section 5.	

5.9 NEW TOWN (LDRZ AND PROPOSED MDRZ) DEVELOPMENT CHECKLIST

Check changes and developments against the following list. If there is a 'no' in any box, review that particular aspect and seek ways to modify the proposals so that it can become a 'yes'.

		Yes / No
1	Views and vistas	
	All views in and out of the site will not be compromised.	
2	Existing features	
	Existing vegetation, rock outcrops and features have been evaluated and retained.	

		Yes / No
3	Proposal in context	
	<p>If the proposal is adjacent to the MDRZ or LDRZ;</p> <ul style="list-style-type: none"> • The proposal will protect and enhance the historic character of Precinct C. • The proposal will protect the sun and views of neighbours. 	
	The proposal will not diminish or destroy the collective heritage value of features within the site, vicinity or ARHMZ.	
4	Site planning and design	
	The proposed house relates to the street (will not dominate from the street).	
	The proposed house is an arrangement of simple forms, each conforming to the recommended cell size.	
	Garages, driveways, parking areas and parked vehicles will not dominate the street.	
	Double garages will not come close to the street.	
	60% of the frontage will be garden/vegetated as opposed to building and hard surfacing.	
	Paving materials are selected from the list provided.	
	For the street boundary (and side boundaries) a hedge is to be planted. The species from the Plant lists (Section 5). Second preference - a fence of a style and materials from the Lists, Section 5) for the New Town is to be used.	
	Vegetation will dominate the proposed and existing built form.	
	Trees to be planted will grow taller than the building, i.e. structure trees and/or fruit trees.	
	Plants are selected from the lists provided.	
	New plantings will link Old and New Arrowtown.	