Appendix 7.2



Appeals Version March 2018



Kawakahia Retreat Eco-Hamlet

Kawakahia Retreat is a unique light commercial/tourism opportunity within a wetland/dune environment and within easy access to local facilities and surrounding open spaces areas adjacent to this neighbourhood. It is designed to create a higher density reception/accommodation area on the more elevated dunes, as well as a medium density accommodation area consisting of retreat cabins/chalets overlooking the wetlands

Environmental Outcomes

- An existing natural open space and lookout area on the hill.
- The Kawakahia Retreat Centre which includes reception and restaurant facilities together with a mixture of accommodation options such as rentable self-catering retreat cabins and smaller holiday units/rooms overlooking the wetland.
- The Kawakahia Retreat Domain that provides a private landscaped outdoor area to facilitate some of the Kawakahia Resort functions such as the restaurant.
- The existing Kawakahia covenanted wetland reserve and restored wetland areas that provide both a visual attribute and a character base for the retreat cabins, resulting in a unique sustainably controlled Eco-Tourism opportunity.
- Open Space Wetland Buffers (as shown on the Structure Plan) that partially separate the Kawakahia Resort retreat capits and centre from the wetlands. These buffers provide public provision for walking along the wetland boardwalks and/or walkways.
- Kawakahia Retreat cabins that are positioned along a private access route and that overlook the adjacent wetlands. These low-density wetland retreat cabins chalets share similal characteristics to the buildings within the adjacent Totara Dunes. They are individual retreat cabins set back from the wetland buffer reserves and unilise light construction techniques to enable a contiguous transition of wet and to dune topography within the private lots. Each chalet will he disgrad to overlook the Open Space Wetland Buffer to provide surveillal de and will include a private access path that links into the pedestrian rouch within the buffer reserve.
- An access ause way that links the Ngārara development to the adjacent Wa kanac beaun community. This road is designed to ensure slow traffic flow unough the wetland area, by including narrow carriageways, speed humps are possibly an unsealed road surface.
- The total number of household or accommodation units in this neighbourhood will not exceed 20

Anticipated form

Activities

Development activities within Kawakahia Retreat area restricted to a reception area restaurant facilities and accommodation.

These areas are indicated in the conceptual plan below: Note: This plan is indicative only. The final layout will be determined at the resource consent stage.



Kawakahia Retreat Description Plan Scale 1:5000@A4

- a. Existing hillside and lookout
- b. Retreat Centre
- c. Retreat Domain
- d. Kawakahia Wetland
- e.Wetland Buffer Reserve
- f. Retreat chalets
- g.Access causeway toad

Built Form

The form of the facility will be designed to sit 'lightly' within the dune landform, minimising earthworks. Kawakabia Retreat will include a range of facilities such as a reception/restaurant (At as and c) and accommodation (Area f) overlooking the wetlands.

The main facility may have du'e a strong architectural form whilst still sitting 'lightly' within the landscope. The smaller footprint buildings will be designed to have a high degree c' integ ation with the dune backdrop being similar in typology to structures within the Totrua-Dunes in the Ngārara Zone.

Conserv and an 'O' en Space

Key con ervision and open space principles concern connection of open space areas, development of Open Space Wetland Buffers (as shown on the Structure Plan) and procection of natural edges.

Services

Water:

Collected and filtered roof water will provide a primary supply of potable water for this area. A limited potable supply of council-supplied water will be installed within Kawakahia. In addition, integrated grey-water filtering systems within the reception/restaurant and accommodation units will be installed to allow for water to be reused effectively.

Wastewater

Disposal may be via the existing Council reticulation system or self contained systems with discharges to land.

Stormwater:

A total water cycle management system will be implemented within the Kawakahia development including ensuring that rainwater is captured on-site and is returned to the ground water system as close to its source as possible. This includes the use of only semi-permeable road, pedestrian, decking and parking surfaces.

Roading:

An access causeway that links the Ngārara development to the adjacent beach community runs through the Kawakahia Retreat area. This road is designed to be located as close as possible to the existing access road and will ensure slow traffic flow through the wetland area, by including narrow carriageways, speed humps and possibly an unsealed road surface.

SUR

Kukutauaki Eco-Hamlet

This area is characterised by a small development on the edge of the wetland adjacent to the existing Waikanae Beach community. Due to the ecological sensitivity of the surrounding area, there will be a high degree of control exercised over the number of houses, housing layout & vegetation. Management of this area is proposed to be similar to the Totara Dunes Neigbourhood Development Area in the Ngārara Zone.

Environmental Outcomes

- Strengthening and enhancing the existing Kawakahia covenanted wetland reserve.
- The Kawakahia wetland provides both a visual attribute and a characterbase for Totara Dunes, resulting in a unique sustainably controlled living opportunity.
- Extensive Open Space Wetland Buffers (as shown on the Structure plan map) and building set-backs that separate the neighbourhood and associated development from the Kawakahia Wetlan 1
- The Open Space Wetland Buffers provides public provision for limited pedestrian and cycling connections between Works are Beach and Ngārara along the Kawakahia wetland boardwalks an Walk ways.
- An organic arrangement of low-density, Is v-is pac, wetland eco dwellings that is are set back from the Kawakahia Weth nd buffer reserve. These provide a unique sensitive coastal archite sture with strong visual links and views across the wetland.
- Housing typologies that minimise viewal and ecological impacts on surrounding ecologically sens live a eas.
- Low-impact roading infrast acture and building sites that retain the natural dune topography.
- Buildings that utilise light construction techniques to enable a contiguous transition of wetland to dure topography within the private lots. Each dwelling will be < ted to overlook the Open Space Wetland Buffer to provide surveillance.
- Narrow permeable that access into the neighbourhood that isolates the ecologically enritive area from potentially damaging public vehicular traffic and helicity reduce traffic speeds.
- Pedestrian only access within the Open Space Wetland Buffer.
- The total number of households in this neighbourhood will not exceed 4

Anticipated form

Activities

These areas are indicated in the conceptual plan below: Note: This plan is indicative only. The final layout will be determined at the resource consent stage.

Rural Zones Appendices

Propose



Kukutauaki Compact Development Plan Scale 1:5000@A4

a.Visually dominant wetland

b.Wetland reserve

c. revegetated buffers

d. Strict Land use controls



Built Form

A low density approach will be adopted whereby in Vidual house locations and lots will be stipulated within the surrounding dane anarorms.

All buildings and structures in this area must the derigned to integrate with and sit 'lightly' within the existing landforms. And cipute predominant use of mono-pitched and lean-to metal clad roof, use of light conditions graterials such as weatherboard, and use of low reflectivity colours. A voidence of large, dominant architectural features. Restrictions would be that did not the amount of impermeable surfaces on each lot. Careful placement of venetation to further integrate buildings into this sensitive environment.

A maximum of height of (8r.) is anticipated and maximum footprint of 110m² per dwelling.

Conservation and checkspace

Key conservation and open space principles concern connection of open space areas, and prefaction of natural edges and surrounding sensitive wetland areas. Key principles for Kukutauaki include:

Connection of open spaces

- The surrounding Kawakahia Wetland will provide a high level of natural amenity for the Kukutauaki Community. It is essentially what defines Kukutauaki, providing a covenanted area onto which properties overlook.
- The Open Space Wetland Buffer (as depicted on the Structure Plan map) provides a limited access area for public recreational activities such as walking along raised pathways. Due to the reason that the Kawakahia Wetland is inaccessible; this area is an important natural public open space for the local community and for the wider Ngārara and Waikanae Beach residents and visitors. Where appropriate, each private house that sits adjacent to the Open Space Wetland Buffer will be designed to include a private access path that links into the pedestrian route within the buffer reserve.
- Pedestrian-only walkways within the Open Space Wetland Buffer areas will form clear constrained and logical routes along the wetlands connecting areas of open space.

Protection of Natural Edges

- Edges between the Kawakahia Wetland area and Kukutauaki will contain a minimum 20m natural Open Space Wetland Buffer, as identified on the Ngārara Zone Structure Plan map allowing for sufficient progression from public natural habitat to private urban neighbourhood.
- No private properties will abut the Kawakahia Wetland area directly.
- Boundaries between public and private land will be informal but well defined.
- Private lots that are positioned adjacent to the Open Space Wetland Buffer will be covenanted to include exclusive revegetated buffer zones on interlot boundaries and on front boundaries that abut the buffer reserve.
- The Open Space Wetland Buffers are intended to assist in creating a seamless edge between the urban development and the wetlands and to reduce the visual and ecological impact of the built forms against the existing natural landscape.
- The Open Space Wetland Buffer will consist of native revegetation and open areas using eco-sourced species appropriate to the site and the existing wetland plant community.
- These edges will be further protected by prevening any vehicular traffic access to the buffer area and by ensuring redentrian access to the reserves are informal and lightly constructed.

Services

Water:

Collected and filtered roof water will provide a primmy supply of potable water for this area. A limited potable supply of conner supplied water will be installed within Kukutauaki. In addition, integrated carey water filtering systems within each residential unit will be installed to allow for was to be reused effectively within each residential dwelling and extern. Ily vithin private lots.

Wastewater:

May be possible to connect to existing reticulation system. If not possible, require self contained system: with arscharge to land.

Stormwater:

A total wat ... cyc. management system will be implemented within the beach development including ensuring that rainwater is captured on-site and is returned to the ground water system as close to its source as possible. This includes the use of semi-permeable road, pedestrian, decking and parking surfaces

Roading:

A private unsealed local road is proposed as the access to this area, limiting traffic into the neighbourhood. This will respond to natural and topographic features such as vegetation and dunes. These local roads are characterised by narrow carriage widths; avoidance of long straight road stretches; planting to either side of the carriageway; and use of swales and natural semi-permeable surface materials such as crushed gravel.

Parking clusters will be situated along the local roads, providing a consolidated parking solution within the Neighbourhood in opposition to private on-site parking or garages. This is to limit vehicular distance travel within the area and to limit excessive infrastructure such as driveways and internal garages.

Smithfield Dunes Eco-Hamlet

Smithfield Dunes is designed in direct response to the environmental constraints of the dune topography within the Ngārara Development and its suitability for small scale (hamlet) development in a form that protects the rural character of its hinterland.

- A series of private lot landscape covenants that create bush corridors along dune ridges. These connect to create a contiguous revegetation system along the dunes, helping to minimise the visual impact of development along the dune slopes.
- A low to medium density residential area along the dunes characterised by strict buffer revegetation covenants.
- A series of small local nodes that are centred on valley basins within the dunes.
- A vegetated recreational corridor incorporating cycle, bridle and pedestrian routes.
- A network of streets within the dune neighbourhood that provide opportunities for slow vehicular traffic as well as cycl. pedestrian-friendly access.
- The total number of households in this neighbourhood vill not exceed 40

Activities

Anticipated activities within Smithfield Dun is include low to medium density residential (Area c).

These areas are indicated in the complete all p an below:

Note: This plan is indicative only The final layout will be determined at the resource consent stage.



Built Form

A palette of appropriate built forms is suggested for the Smithfield Dunes relating to residential structures.

- Low to Medium Density Residential Area

Open Space and Conservation

Key conservation and open space principles concern connection of open space areas, and protection of natural edges. Key principles for Smithfield Dunes include:

 Vegetation corridors will act as ecological and recreational routes linking the wetlands, forest areas and beyond.

Services

Water: The site may be serviced by a reticulated water system, incorporating a range of management tools to reduce per capita water use. These include:

- The installation of rainwater collection (in tanks) for all residential dwellings.
- Greywater reuse for underground garden irrigation.
- In house water conservation devices (such as dual flush toilets and low flow shower heads).
- A reduction in the size of privately owned land parcels
- A landscape plan that encourages local, drc ght esistant species.
- The collection of stormwater runoff for non rutable reuse.

Stormwater: The focus of stormwater nar agement on the site is two-fold: ensuring the design of stormwater reatment facilities that add to the ecology and the amenity of public open space and here a water quality treatment component; and mitigating the impact of unanisation on potential flooding, both within and surrounding the site.

Stormwater management on sine is to be primarily through low impact stormwater design, with the focus being on managing as much stormwater runoff "on site" as practicably possible.

Wastew ter: Pipposal may be via the existing Council reticulation system or self contained system's with discharges to land.

Roading:

Within Smithfield Dunes, the emphasis will be on a network of streets that provide for slow vehicular traffic as well as cycle and pedestrian-friendly access.

Lamberts Rural Eco-Hamlet, Ngapara Rural Eco-Hamlets

Lamberts and Ngapara Rural Hamlets are situated along the pastoral dunes. Ngapara Rural Eco-hamlet is typified by its arrangement of low density rural lots within the flat pastoral valley. An existing open rural lowland links the hamlets providing a shared surrounding farming land use.

Environmental Outcomes

- An existing pastoral corridor that is suited to rural farming uses such as grazing.
- This area forms an important land use and income source within the Ngārara Development, managed through a private management and ownership structure.
- Revegetated hillsides that extend indigenous bush cover from the surrounding dunes down to the base of the dunes, where they abut the valley system.
- Low to medium density residential hamlets along the dunes that are characterised by strict lot landscape covenants that weate bush corridors along dune ridges. These connect to create a configuous revegetation system along the dunes, helping to maintain under loop d dune-tops, minimise the visual impact of development along the dune slopes and buffer the outlook over the adjacent pylons in the value.
- Ngapara Rural Eco-hamlet is located winin the lower-lying flat depressed area adjacent to the farmland lowland, it condists of semi-rural lots that can incorporate a mix of residential and small-scale rural land uses such as home based fruit orchards.
- A large street grid within the N gapa a Rural Eco-hamlet reflects the larger semi-rural sized lots within his red. This street network is characterised by wide single surface streets, arrow mid-block and rear lanes and informal shared courts.
- A local green at the centre of the Ngapara Rural Eco-hamlet which functions as an adaptable and a formal public open space for open-air markets, community go the inor and play area.
- There is a potential or a Community Hall or multi-purpose structure to be siturded on the Irical green if the need arises in the future. This multi-use community space could function as a meeting venue and local farmer's market; however, the green can function as an entity on its own without this structure.
- A pedestrian, bridle and cycle recreational corridor that occurs alongside the Ngārara Link Road (NLR) between Raumati and Waikanae North. This corridor is buffered on the southern edge of the NLR using indigenous planting that links into the surrounding wetland habitat. To the north of the NLR, the corridor opens up visually and physically to the adjacent valley system.
- Connector Road linking between the neighbourhoods.
- Pedestrian, bridle and cycle routes through the landscape.
- The total number of households in each eco-hamlet will not exceed 40

Anticipated form

Activities

Development activities within the Rural Neighbourhood Area are restricted to low density residential development (Area c,) and Ngapara Hamlet Local Green (Area d).

These areas are indicated in the conceptual plan below:

Note: This plan is indicative only. The final layout will be determined at the resource consent stage.



- Low to medium a insity residential hamlets (Area c) Located along the duries that are characterised by strict lot landscape covenants that create b ish out dors along dune ridges.
- Ngarara / .co-hamlet Local Green (Area d) With there local green there is potential for a community hall or other multi purpose structure to serve the community, such as a farmers market, play area and community gathering area.
- Architectural forms will take their cue from traditional farming built forms such as barns and sheds including: simple-barn masses; double pitch roof lines; walled gable ends; predominantly metal and slate roof sheeting; use of loft spaces; a mixture of masonry and timber wall elements; walls used as external linking elements; small punctured openings and doublevolume openings; asymmetrical positioning of windows and doors; shutters; and dormer windows.

Conservation and Open Space

Conservation and open space principles include:

 Revegetated hillsides that extend indigenous bush cover from the surrounding dunes down to the base of the dunes, where they abut the valley system. Low to medium density residential hamlets along the dunes that are characterised by strict lot landscape covenants that create bush corridors along dune ridges. These connect to create a contiguous revegetation system along the dunes, helping to maintain undeveloped dune-tops, minimise visual impact along the dune slopes and buffer the outlook over the adjacent pylons in the valley.

Services

Water: The site is unlikely to be serviced by a reticulated water system, incorporating a range of management tools to reduce per capita water use. These include:

- The installation of rainwater collection (in tanks).
- Greywater reuse for underground garden irrigation.
- In house water conservation devices (such as dual flush toilets and low flow shower heads).
- The collection of stormwater runoff for non potable revise.

Stormwater: The focus of stormwater manageries on the site is two-fold: ensuring the design of stormwater treatment fabilities that add to the ecology and the amenity of public open space and have a waver quality treatment component; and mitigating the impact of urbanisation or botential flooding, both within and surrounding the site.

Stormwater management on site is to be arim arily through low impact stormwater design, with the focus being on managing as much stormwater runoff "on site" as practicably possible.

Wastewater: Disposal may be in the existing Council reticulation system. Where appropriate, residential units and use composting toilets that are treated on-site. If composting toilets are to be used, waste disposal elements will be fully contained to ensure the leakage or groundwater infiltration into the wetland, and comply with relevant guidelines. References should be made to the relevant Ministry of the alth Guidelines.

Roading: Jonne tor Roads linking between the neighbourhoods. Pedestrian, bridle and c; ---- routes through the landscape.