

16 Estuary Estates

16.1 General Description

16.1.1 Description Of The Estuary Estates Structure Plan Area

The Estuary Estates Structure Plan area is comprised of approximately 130 hectares of land located on the upper Mangawhai Harbour. It sits to the west of Molesworth Peninsula, south of the Mangawhai Heads settlement and northwest of Mangawhai Village.

16.1.2 Relationship of the Mangawhai Structure Plan and the Estuary Estates Structure Plan

The provisions of Chapter 16 and the Estuary Estates Structure Plan have precedence over the Mangawhai Structure Plan 2005.

16.1.3 Description of the Estuary Estates Structure Plan Provisions

The Estuary Estates Structure Plan Map is provided in this District Plan here Appendix E - Structure Plan Map Estuary Estates

This Chapter has its own set of definitions in Section 16.10 which apply specifically to the Estuary Estates Structure Plan area. Where any 'alternative' definitions are contained within Chapter 24 of the District Plan, the definitions in Section 16.10 apply. In all other cases the definitions contained within Chapter 24 of the District Plan will apply.

The Sub-Zones contained within the Appendix E - Structure Plan Map Estuary Estates area include the:

- Business 1 Sub-Zone;
- Residential 3A to 3D Sub-Zones;
- Service 7 Sub-Zone; and
- Natural Environment 8 Sub-Zone

The Sub-Zones shown on Map Series One - Map 56A. Each of these Sub-Zones provides for a specific mix of land use activities with corresponding Subdivision and Development Controls.

The Estuary Estates Structure Plan Map, together with objectives, policies and associated Development Control Rules; and subdivision provisions discussed below are the means through which the environmental and amenity values contemplated by the Structure Plan will be achieved.

For each Sub-Zone, Development Controls define the nature and scale of development that is considered appropriate for each particular Sub-Zone to ensure consistency with the outcomes promoted by the Structure Plan.

The Permitted Activity Standards and Development Controls rely upon Development Control parameters such as coverage, density, height, height in relation to boundary, yards and other environmental effects related controls to achieve the integration and secure the stated Policy outcomes for the area.

The Subdivision provisions include minimum Site Area Standards. In the case of the Residential 3 Sub- Zones there is provision for a higher number of dwellings to enable multi-level development of separate dwellings and a diversity of housing typologies and lifestyle choice across the A-D areas.

Provision for integrated residential development is also enabled via an overlay on the Structure Plan to encourage diversity in housing typologies and lifestyle options in close proximity to the Business 1 Sub- Zone.

Estuary Estates Design and Environmentals Guidelines (Appendix 16.1)

The Estuary Estates Design and Environmental Guidelines address a range of environmental and design matters. They are used as Resource Consent application assessment criteria to enable the Estuary Estates Structure Plan provisions to be properly interpreted to achieve the objectives of this Chapter.

16.1.4 District Plan Wide Provisions

In any instance where your property is subject to any site feature or management unit (Map Series 2) and the Rules in the relevant Part C Chapter overlap with (or duplicate a Rule in this Zone Chapter), the Rules in the Part C Chapter shall take precedence.

In any instance where works in the road (road reserve) or network utility activities are proposed and the Rules in Chapter 10 and 11 (respectively) overlap with (or duplicate) a Rule in this Zone Chapter other than those listed in Section 16.8.1, the Rules in Chapter 10 and 11 (respectively) shall take precedence.

Kaipara District Council Engineering Standards 2011 shall apply. The following documents should also be referred to as they may contain Standards and/or guidelines which apply to a particular site or proposal.

- Austroads Guide to Road Design;
- NZS 4404:2010 Land Development and Subdivision
- Guideline Document 2017/01 Stormwater Management Devices in the Auckland Region. December 2017 (Amendment 2).
- Guideline Document 2015/04 Water Sensitive Design for March 2015.
- Guideline Document 2021/07 Stormwater Soakage and Groundwater Recharge in the Auckland Region. Version 1, 2021.
- Guideline Document 2016/05 Erosion and Sediment Control Guide for Land Disturbing Activities in the Auckland Region. Incorporating amendment 2, 2020.
- The Auckland Code of Practice for Land Development and Subdivision: Water and Wastewater Code of Practice for Land Development and Subdivision, Chapter 6: Water (version 2.4, 1 June 2021)
- Dog Control Act 1996
- Dogs and Dog Management Bylaws

16.2 Objectives and Policies

16.2.1 Natural Environment Objective

To conserve, protect and enhance the landscape, recreational and ecological resources associated with wetlands, streams, coastal marine area and identified areas of indigenous vegetation.

16.2.1.1 Policies

By recognising and providing for the preservation and enhancement of the significant ecological habitat adjacent to the Tara Estuary.

1. By ensuring development contributes to revegetation, so as to enhance the landscape and extend ecological linkages.
2. By applying specific Development Controls for earthworks, to minimise sediment laden runoff and, in order to protect and enhance the natural character and ecological values of the coastal environment as well as the intrinsic values of ecosystems.
 - a. Design earthworks to tie in with topography consistent with that on adjacent
3. By ensuring that site works associated with subdivision and development avoid adverse effects on wetlands, water courses, areas of ecological value, arising from changes to landform and the generation of sediments.
4. By ensuring that stormwater is managed and treated to maintain and enhance the health and ecological values of the wetlands, streams, and the coastal marine area.
5. All land use, development and subdivision must be designed and implemented to be consistent with the relevant Regional Stormwater Discharge Consent, including the application of water sensitive design.
6. Enabling land vested in Council for reserve purposes to be developed and utilised for its vested purpose.
7. By recognising the impact of climate change and ensuring subdivision and development can avoid, remedy, or mitigate hazards associated with climate change.
8. Decision makers adopt a precautionary approach to adverse effects on the habitat of Tara Iiti / Fairy Tern and their food sources.

16.2.2 Amenity Objective

To create new and enhance existing amenity values of the Estuary Estates Structure Plan area.

16.2.2.1 Policies

1. By implementing the structure plan, development and subdivision controls, assessment criteria, Appendix 25A Mangawhai Design Guidelines and Estuary Estates Design and Environmental Guidelines in Appendix 16.1 to achieve:
 - an integrated high quality, built environment with a strong pedestrian and cycle focus;
 - architectural forms compatible with the coastal, small-town character of Mangawhai; and
 - road typologies that contribute to, and enhance amenity, through the provision of pedestrian / cycling networks, on-street parking, and water sensitive design.
2. By implementing the development and subdivision controls to ensure the amenity values of the Estuary Estates Structure Plan area are maintained and enhanced.
3. To ensure that roads are developed as high quality public spaces by incorporating

amenity features such as pedestrian and cycleways, on-street carparking, tree planting and water sensitive design.

4. By managing the density of development within the residential Sub-Zones, and in particular in Sub- Zones 3C and 3D, ensuring the scale of development is compatible with the coastal small-town character of Mangawhai and to minimise adverse effects of development on landscape values and the natural character of the coastal environment.
5. By providing for a walkway and cycling network associated with the roading network and where practicable through green corridors, including providing opportunities for connections through to adjoining land areas as indicated on the Structure Plan.

16.2.3 Business and Service Sub-Zone Objectives

1. To provide for the town centre and service area while, ensuring that the adverse effects of those activities are avoided, remedied or mitigated.
2. To create a distinctive, attractive and vibrant town centre.

16.2.3.1 Policies

1. By providing two specific Sub-Zones to enable business and service activities to provide for social, cultural and economic wellbeing and to manage the effects of such activities upon amenity values and the environment.
2. By using specific development and subdivision controls, the structure plan, and the Estuary Estates Design and Environmental Guidelines to ensure development within the Business 1 Sub-Zone achieves an integrated high quality built environment with a strong pedestrian focus, and a high quality streetscape.
3. By providing for servicing and manufacturing opportunities in Service Sub-Zone 7 that require large land areas.
4. By providing for residential activities within the Business 1 Sub-Zone; where adverse effects on residential amenity from business activities or buildings can be avoided, remedied or mitigated.
5. By using a comprehensive Development Control approach and applying design and environmental guidelines to achieve an attractive and locally identifiable built form commensurate with a small town coastal vernacular.
6. By ensuring that development achieves a quality-built environment where bulk unrelieved building facades do not occur along road frontages and the design of buildings, open space and parking areas enables a lively streetscape, with safe and convenient pedestrian and cycleway connectivity.
7. In Service Sub-Zone 7, by ensuring a reasonable level of on-site amenity and streetscape is achieved by implementing the Development Controls and providing a buffer to the adjoining Residential Zone as shown on the structure plan.

16.2.4 Residential Objective

To provide for a diverse range of residential living opportunities and to enable residential intensification in proximity to the Business Sub-Zone 1.

16.2.4.1 Policies

1. By enabling a range of Sub-Zones to provide for diverse housing to accommodate growth within Mangawhai.
2. By ensuring that the type and intensity of residential activity in each Sub-Zone occurs at a level that is compatible with the coastal small-town character of

Mangawhai and will not result in significant adverse landscape or visual effects on the environment.

3. By ensuring a high level of on-site residential amenity is provided by:
 - a. managing the location of buildings and structures;
 - b. managing the location of onsite water storage;
 - c. ensuring that the onsite outdoor living needs can be met through a variety of means; and
 - d. providing suitable onsite car parking and manoeuvring:

together with the appropriate maintenance of amenity to neighbouring sites and the streetscape.

4. By ensuring a high quality of built environment is developed which relates positively to the established character of Mangawhai, street, neighbouring properties and open spaces.
5. By encouraging integrated residential development in proximity to the Business Sub-Zone 1 to assist with enabling a diversity of housing typologies.
6. By providing for non-residential activities, or home occupations, education and/or childcare facilities where the activities do not adversely affect residential amenity.
7. By providing for residential growth in an integrated urban form.
8. By minimising rear lots so as to give sites the spacious outlook area of a street, as well as enhancing public safety through passive surveillance opportunities and a street address that connects each lot into the neighbourhood.

16.2.5 Transport Objectives

1. To achieve a high amenity, well connected, low speed and sustainable roading network that provides for easily and safely accessed, development.
2. To develop a roading network which integrates safely and efficiently with the surrounding roading network whilst ensuring adverse effects on the local road network are avoided or mitigated.
3. To ensure the impact of activities on the safety and efficiency of the local road network is addressed and to ensure safe and efficient vehicle access, parking and manoeuvring is provided to, and on, every site while avoiding adverse effects on the environment.
4. To promote and provide for active transport (walking and cycling).

16.2.5.1 Policies

1. By ensuring development provides for the safe and convenient movement of people within the development and to wider networks by foot and cycle as well as cars, buses, and other vehicles.
2. By ensuring development includes an appropriate amount of occupant and visitor parking and manoeuvring on site.
3. By implementing particular Standards for the provision and formation of car park
4. By ensuring that development provides for roading in an integrated manner consistent with the Appendix 25A Mangawhai Design Guidelines and the Appendix 16.2 and that supports multi-modal transport options.
5. By ensuring that the roading network can be efficiently used by emergency services at all times.
6. By ensuring a landscaped design approach for new roads; including utilising water sensitive design techniques to achieve stormwater management outcomes.
7. By discouraging traffic generating activities in Sub-Zones where they would have significant adverse effects.
8. By implementing Standards that ensure vehicle access points are safe and

efficient.

9. By ensuring that stormwater is managed and treated from areas of parking to appropriately avoid or mitigate adverse effects on water quality in wetlands, watercourses and the coastal marine area.

16.2.6 Utilities, Services and Infrastructure Objective

To ensure the provision of sustainable infrastructure networks that provide for properly serviced, and orderly development.

16.2.6.1 Policies

1. By ensuring that all infrastructures can be efficiently used by emergency services at all times.
2. By requiring that all wastewater systems be connected to Council's public reticulated (EcoCare) system.
3. By ensuring that there is adequate existing wastewater infrastructure, or funding for adequate wastewater infrastructure to support the development is identified in a long term plan.
4. By ensuring that the following activities are serviced by water supply including reticulated water supply with adequate capacity to serve the scale and nature of development (in accordance with all relevant guidelines, the Code of Practice referenced in 16.1.6 and legislative requirement for drinking water) and opportunities for water demand management and rainwater harvesting:
 - a. Subdivision and land use in the Residential Sub-Zone 3A (except lower density lots capable of providing adequate onsite water supply)
 - b. integrated residential development
 - c. dwellings in Sub-Zone 1
 - d. visitor accommodation
 - e. retirement facilities
 - f. conference centre
 - g. event centre
 - h. education facility or
 - i. recreation facility

16.2.7 Financial Contributions Objective

To ensure that the timing of subdivision and development of the Estuary Estates Structure Plan area is coordinated with the provision of infrastructure needed to serve the area and that development contributes its share of the growth related costs of this infrastructure

16.2.7.1 Financial Contributions Policies

1. By requiring development to make contributions at the time of subdivision and/or development (including at the building stage) to provide for infrastructure and reserves within Mangawhai as enabled by Rules 22.10, including 22.10.7 of the District Plan.
2. Ensure the proportion of costs associated with the provision of growth-related infrastructure arising from the development, such as provision of new, or upgrades or extensions to community facilities within Mangawhai as provided for under Rules 22.10.1, 22.10.6 and 22.10.7 are met by the development by imposing conditions on resource consents.

16.2.8 Subdivision Objective

To provide for subdivision in a manner which achieves an urban amenity and the integrated management of the use, development and protection of the natural and physical resources of the District.

16.2.8.1 Policies

1. By ensuring that existing bush, streams and wetlands are protected and enhanced.
2. 1A) By ensuring that stormwater is managed and treated to maintain and enhance the health and ecological values of the wetlands, streams and the coastal marine area.
3. By ensuring that all subdivisions are able to be properly serviced and can avoid, remedy, or mitigate the effects of natural hazards.
4. By ensuring subdivision implements the features of the structure plan and achieves the relevant outcomes of Appendix 25A Mangawhai Design Guidelines and the Estuary Estates Design Guidelines.
5. By ensuring subdivision density and lot sizes respond to the site's characteristics, compatible with the coastal small-town character of Mangawhai and avoid significant landscape and visual effects.
6. By ensuring subdivision establishes the roads illustrated on the structure plan and establishes a well connected local roading network consistent with the Table in Appendix 16.2.
7. By ensuring subdivision upgrades the Molesworth Drive frontage.
8. By ensuring subdivision establishes the open spaces and walking and cycle network illustrated on the structure plan.
9. By ensuring that subdivision establishes and maintains the amenity buffer between Service Sub-Zone 7 and the neighbouring residential sites.

16.3 The Estuary Estates Structure Plan Sub-Zones

16.3.1 Business Sub-Zone 1

16.3.1.1 Sub-Zone Description

The Business Sub-Zone provides for a town centre designed to serve both the business and retail needs of the Estuary Estates Structure Plan area and the wider community.

Particular attention is given to establishing a main street, defining the scale and design of buildings and detailing, pedestrian streetscapes, open-space permeability and connectivity through the Sub-Zone into the surrounding community and residential areas with generous landscaping and tree planting in streets, car parks, and inter-building spaces designed to link to open spaces in the wider area.

16.3.2 Residential Sub-Zone 3

16.3.2.1 Sub-Zone Description

The Sub-Zone is split into Sub-Zones 3A to 3D. These are defined by the topography of the site, the landscape and visual absorption capacity of the site and proximity of the Sub-Zones to Business Sub-Zone 1.

Sub-Zone 3A is the closest to Business Sub-Zone 1 and is anticipated to accommodate the higher densities for residential development on the site, including that part which is subject to the Integrated Residential Development Overlay illustrated on the Structure Plan. Sub-Zone 3A affords opportunities for a variety of housing typologies and densities, along with retirement facility development in locations where adverse effects on ecosystems and the natural character of the coastal environment can be avoided.

Sub-Zone 3B area adjoins Sub-Zone 3A and offers opportunity for medium density housing (500 m² lots) opportunities associated with the enhancement of slopes, and a transition of density to adjoining natural environment features.

Sub-Zone 3C buffers the Estuary Estates Structure Plan area from Old Waipu Road.

Sub-Zone 3D is located in the north facing slopes of the site, distant from Business Sub-Zone 1. It is the least dense residential zone recognising the existing slopes and the adjoining natural environment features. The provisions of Sub-Zone 3D ensure the scale of development is compatible with the coastal small-town character of Mangawhai and to minimise adverse effects of development on landscape values and the natural character of the coastal environment.

16.3.3 Service Sub-Zone 7

16.3.3.1 Sub-Zone Description

The purpose of the Service Sub-Zone is to provide for local service activities which are not appropriate elsewhere in the Estuary Estates Structure Plan area. The location of the Sub-Zone has been selected to minimise potential reverse sensitivity issues and also to provide good accessibility without needing to access the area through residential or commercial areas.

The Sub-Zone anticipates a buffer between the anticipated uses and adjoining residential land to avoid reverse sensitivity and/or visual detracting issues arising.

16.3.4 Natural Environment Sub-Zone 8

16.3.4.1 Sub-Zone Description

The purpose of the Sub-Zone is to protect and enhance existing natural environment features (native vegetation, wetland and streams) and ensure avoidance of adverse effects on avifauna habitat and freshwater and coastal marine area ecosystems. Where possible public walkways and cycle paths are envisaged within the Sub-Zone. Enhancement includes weed and pest control, and indigenous revegetation (where appropriate). Enhancement and ongoing protection measures for these features are expected to form part of subdivision applications (i.e. whether they are vested in Council or held in private ownership).

The provisions of this Sub-Zone are also intended to apply to any land vested in Council as reserve (recreation, stormwater and/or local purpose access).

The rules of this Sub-Zone shall apply to any 'natural inland wetland' meeting the definition in the National Policy Statement for Freshwater Management 2020 where these are located outside of the mapped extent of the Sub-Zone.

16.4 Rules: Activities

16.4.1 Activity Tables

The following tables specify the status of various activities within the different Sub-Zones. There are three separate tables: Table 16.4.1-1 is for the residential Sub-Zones being Sub-Zones 3A-D. Table 16.4.1-2 is for the business, and service Sub-Zones being Sub-Zones 1 and 7, and Tables 16.4.1-3 is for Sub-Zone 8.

Where any land is vested in Council as open space the underlying zoning/Sub-Zone and provisions shall be administered in accordance with the Sub-Zone 8 provisions.

For the purpose of these tables:

P = Permitted Activity	D = Discretionary Activity
C = Controlled Activity	NC = Non-Complying Activity
RD = Restricted Discretionary Activity	

Table 16.4.1-1 - Residential Sub-Zone

Activities	Sub-Zones
	3A-D Residential
Any activity not provided in the following table	NC
Childcare facility <ul style="list-style-type: none"> · Up to five children · More than five children 	P D
Construction of a building or additions/alterations to an existing building and construction of any other structures (e.g. fences, and decks less than 1m) not meeting the definition of a building	P Except in the Coastal Environment Overlay
Construction of a building or external additions to an existing building within the Coastal Environment Overlay	RD
Alterations to any existing building and construction of any other structures (e.g fences, and decks less than 1m) not meeting the definition of a building within the Coastal Environment Overlay	P
Demolition of an existing building	P
Education Facility (other than childcare centres provided for above)	D
Home occupation	P
Homestay accommodation	P
Integrated Residential Development within the Integrated Residential Development Overlay on the Estuary Estates Structure Plan	RD
Integrated Residential Development outside the	3A-3B – D

Integrated Residential Development Overlay on the Estuary Estates Structure Plan	3C-3D - NC
Any non-compliance with any of the Development Controls set out in Section 16.5 other than density limits specified in Rule 16.5.1.2. The activity status in Chapter 16 prevails over any activity status identified in Chapter 13	RD
One dwelling per site and its associated accessory buildings	P
Two or more dwellings per site (not being an Integrated Residential Development) within the density limits specified in Rule 16.5.1.2	3A-3B – D 3C-3D - NC
Retirement facility	RD NC in Coastal Buffer Overlay on the Estuary Estates Structure Plan
Visitor accommodation, including hotels, tourist houses and camping grounds	RD NC in Coastal Buffer Overlay on the Estuary Estates Structure Plan

Table 16.4.1-2 - Business and Service Sub-Zones

Activities	Sub-Zones	
	1 Business	7 Service
Any activity not provided in the following table		NC
Boat sale and contractor yard		P
Community facility and services	P	
Construction of a building or external additions to an existing building	RD	P
Conference and event centre	RD	
Education facility	RD	
Entertainment facility	RD	
Garden centre including an associated cafe not exceeding 100m ² gfa		P
Garden centre including an associated cafe exceeding 100m ² gfa		D
Factory shop not exceeding 50m ² gfa per site and ancillary to a manufacturing activity		P
Healthcare services	P	

Home occupation	P	
Internal and/or external alterations to an existing building and any other structures not meeting the definition of a building	P	P
Local service activity		P
Any non-compliance with any of the Development Controls set out in Section 16.5. The activity status in Chapter 16 prevails over any activity status identified in Chapter 14.	RD	RD
Office	P	
Offices which are ancillary to any other activity will have the same activity status as the activity to which they are ancillary.		
Public toilet and/or changing room	P	
Recreational facility	RD	
Residential accommodation for persons whose duties require them to live on site	P	P
Dwelling above ground level	RD	
Dwelling at ground level that does not front the Main Street annotation on the Structure Plan	D	
Dwelling at ground level fronting the Main Street annotation on the Structure Plan	NC	
Restaurant or tavern	RD	
Shop and commercial activities/services	P	
Shop not exceeding 50m ² gfa that are ancillary to a local service activity		P
Service station	RD	RD
Transport depot and services		P
Visitor accommodation, including hotels and tourist houses	RD	
Visitor centre	P	

16.4.1.3 Sub-Zone 8

Where any 'natural inland wetland' meeting the definition in the National Policy Statement for Freshwater Management 2020 is located outside of the mapped extent of Sub-Zone 8, the rules in Table 16.4.1-3 shall apply

Table 16.4.1-3 Sub-Zone 8

Activities	Sub-Zone 8
Any activity not listed in the following table	NC

Visitor information sign	P
Construction of public toilet/changing room	D
Formation of walking, fitness and riding trail /track (bridle and cycle)	D
Playground (including play equipment)	D
Park and Street furniture (including seats, rubbish bins, lighting, signs, BBQ and picnic facilities) and underground services and lighting	D
Stormwater management works including detention ponds and associated management/ maintenance, landscaping and planting and outfalls	D
Indigenous Planting and vegetation maintenance of including removal of pest and weed species	P
Clubrooms and any other structures and car parking for recreational activities on any land vested as recreational reserve excluding any form of structure or access for watercraft launching	D

16.4.2 Notification Requirements

Activities will be subject to the normal tests for notification as prescribed by the Resource Management Act 1991.

16.4.3 Discretions for Restricted Discretionary Activities

Where an activity is a Restricted Discretionary Activity Council will restrict its discretion over the following matters (and as listed as being relevant to each activity in Table 16.4.3-1) when considering and determining an application for Resource Consent:

- a. Building design, external appearance and amenity;
- b. Traffic generation;
- c. Parking;
- d. Access;
- e. Infrastructure, including appropriate stormwater quality monitoring associated with the design and construction stages as well as the consent holder's maintenance obligations;
 - ee) Reticulated Water Supply which meets all relevant legislative requirements for drinking water (including
 - firefighting, rainwater harvesting and water demand management (savings*))
 - eee) That there is adequate existing wastewater infrastructure, or funding for adequate wastewater infrastructure to support the development is identified in a long-term plan.
- f. Noise;
- g. Natural environment, including the effects on the habitat of Tara Iiti / Fairy Tern and their food sources (including wetlands, watercourses and the coastal marine area), including disturbance by people and dogs);
- h. Outdoor activities;
- i. Artificial lighting;
- j. Effects associated with the matter of non-compliance for the relevant Development Control;
- k. Intensity and scale;

- l. Sustainable building design.
 m. Cumulative effects
 * For example through the use of the Water Efficiency Labelling Scheme

Table 16.4.3-1 Restricted Discretionary Activities

Restricted Discretionary Activities													
Any non-compliance with a Development Control										j			
Conference and event centre	a)	b)	c)	d)	e ee eee	f)	g)		i)		k)	l)	m)
Construction of any new building, including external additions to an existing building	a)	b)	c)	d)	e		g)		i)			l)	m)
Entertainment facility	a)	b)	c)	d)	e ee eee	f)	g)		i)		k)	l)	m)
Education facility	a)	b)	c)	d)	e ee eee	f)	g)	h)	i)		k)	l)	m)
Integrated Residential Development	a)	b)	c)	d)	e ee eee	f)	g)	h)	i)		k)	l)	m)
Dwellings above ground in Sub-Zone 1	a)	b)	c)	d)	e ee eee						k)	l)	m)
Recreational facility	a)	b)	c)	d)	e ee eee	f)	g)	h)	i)		k)	l)	m)
Rest home and retirement facility	a)	b)	c)	d)	e ee eee	f)	g)	h)	i)		k)	l)	m)
Restaurant or tavern	a)	b)	c)	d)	e eee	f)	g)	h)	i)		k)		
Service station	a)	b)	c)	d)	e)	f)	g)	h)	i)				
Visitor accommodation	a)	b)	c)	d)	e ee eee	f)	g)	h)	i)		k)	l)	m)
Construction of a building within the Coastal	a)						g)						m)

Environment Overlay on the Structure Plan,																				
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16.4.3.2 Assessment Criteria

a. Building Design and External Appearance and Amenity

The assessment of any application must establish the means through which any proposal will implement the Estuary Estates Design and Environmental Guidelines detailed under Appendix 16.1.

Where no changes to the building external design or appearance are required this criteria will not apply.

b. Traffic Generation

The extent to which the expected traffic generation of a proposal will adversely affect the safety and capacity of the roading network including the wider network. Any adverse effect may be mitigated by action taken to upgrade road design and/or intersection design.

c. Parking

- i. Whether adequate parking and manoeuvring space will be provided on site appropriate to the particular form of the development in accordance with Section 16.6 – Transport.
- ii. Whether large areas of aboveground parking spaces are proposed as part of the activity and if there are, their impact on visual and aural amenity values.
- iii. The extent to which the location of parking areas avoids proximity to Residential Sub-Zones and provides adequately for pedestrian safety.
- iv. Whether the internal circulation of parking areas has been designed for safe and efficient on site vehicle circulation and pedestrian safety.
- v. Litter management.

d. Access

- i. The extent to which any potential adverse effects associated with access may be reduced or mitigated by controlling the location of entry and exit points to the site.
- ii. The extent to which Council's Standard for access design is met.

e. Infrastructure

- i. Whether the proposal avoids creating any demand for services and infrastructure at a cost to the wider community.
- ii. The extent to which the proposal provides for sustainable infrastructure and servicing and in particular the supply of water.
- iii. Whether the proposal utilises low impact stormwater design solutions.
- iv. Whether the proposal includes appropriate stormwater quality monitoring associated with the design and construction stages as well as the consent holder's maintenance obligations.

ee) Water Supply

The provision, capacity, and design of the reticulated supply of water which meets all relevant guidelines, Code of Practice referenced in Section 16.1.4 and legislative requirements for drinking water (including storage, reticulation, treatment and ongoing management), rainwater harvesting and appropriate water demand management (savings), including legal mechanisms for their implementation for the following activities:

- i. integrated residential development;

- ii. dwellings in Sub-Zone 1 and Residential 3A (except lower density lots able to provide adequate on-site water supply);
- iii. visitor accommodation;
- iv. conference or event centres;
- v. education facilities;
- vi. recreation facilities; or
- vii. retirement facilities

eee) **Wastewater Network Capacity**

That there is adequate existing wastewater infrastructure, or funding for adequate wastewater infrastructure to support the development is identified in a long term plan.

f. **Noise**

- i. Whether the activity gives rise to adverse noise effects beyond the boundaries of the site. Methods available to mitigate any adverse off site noise effects may include:
 - ii. The provision of or construction of barriers;
 - iii. Acoustic insulation and separation of activities;
 - iv. The construction of earthen mounds;
 - v. The provision of greater distances between the noise generator and existing development;
 - vi. Screening the noise generator using natural or manmade materials; and
 - vii. Imposing restrictions/conditions on hours of operation - in particular between 10 pm and 7am.

g. **Natural Environment**

- i. The extent to which the activity gives rise to adverse effects on the natural environment, such as through the creation of wastewater or stormwater, vegetation removal and/or habitat destruction and sediment runoff, including the extent to which revegetation using eco-sourcing of native plants is proposed as part of the activity.
- ii. Effects on the habitat of Tara Iti / Fairy Tern and their food sources (including wetlands, watercourses and the coastal marine area), including disturbance by people and dogs.
- iii. Ecologically appropriate fish passage.

h. **Outdoor Activities**

Whether any outdoor activity areas will be screened, separated or have a landscaped buffer from any adjacent sites in a residential Sub-Zone and whether any acoustic attenuation to reduce the noise effects of outdoor activities has been undertaken.

i. **Artificial Lighting**

And whether:

- An application demonstrates that significant adverse effects including light spill and glare on the visual privacy of adjoining sites in a residential Sub-Zone can be reduced, avoided or The use of measures such as screening, dense planting of buffer / separation areas may be required where these may lessen impact.
- Particular consideration has been given to the placement, design and screening of light fittings and whether their size and luminance is appropriate to the size of the subject site and to the general lighting levels of the surrounding area.

j. **Compliance with Development Controls**

- i. For any activity which does not comply with one or more of the Development Controls the Council shall also have regard to any unusual circumstances, including, but not limited to, the following:
 - Inherent site considerations; including unusual size, shape, topography, substratum, vegetation, or flood susceptibility;
 - Particular site development characteristics; including the location of

existing buildings or their internal layout, achievement of architectural harmony or physical congruence, compliance with bylaw or Kaipara District Council Engineering Standards 2011, the preservation of privacy, enhancement of private open space, outlook improvement, building restoration, or renovation of demonstrable merit, temporary buildings, provision of public facilities, the design and arrangement of buildings to facilitate access for the disabled, or legal impediments;

- Unusual environmental circumstances; including adverse topography, unusual use or particular location of buildings on neighbouring sites, improved amenity for neighbouring sites, the presence of effective adjacent screening or permanent open space;
 - Extraordinary vehicle or pedestrian movement considerations; including the achievement of a better relationship between the site and the road, improved operation of parking areas, an adequate alternative supply of parking in the vicinity, the improved safety, convenience or efficiency of pedestrian or traffic movement on the site or adjacent roads, unusual incidence or time of traffic movement, demonstrably less than normal use intensity, and the considered need for pedestrian protection;
- ii. Any non-compliance with any development control will also be assessed as a restricted discretionary activity (Tables 16.4.1-1, 16.4.1-2 and 16.4.1.3) utilising the relevant matters listed in:
- Chapter 13.10 for the applicable or equivalent Residential standards for land zoned Sub- Zones 3A-D where the assessment criteria shall be the matters of discretion.
 - Chapter 10 for the applicable or equivalent standards for land zoned Sub-Zones 1 and 7 where the assessment criteria shall be the matters of discretion.
 - For earthworks, in addition to the assessment matters listed in Rule 13.10.1a and Rule 14.10.1, the activity shall implement best practice for erosion and sediment For bulk earthworks associated with subdivision and land development, the activity shall prepare and implement an avian mitigation plan.

k. Intensity and Scale

The intensity and scale of the proposal, in particular the number of people involved in the activity, traffic generation, hours of use, size of building and associated parking, signs, noise and other generated effects should be compatible with the character and amenities of the surrounding area.

l. Sustainable Building Design

The extent to which the applicant has investigated alternatives in terms of sustainable design such as green building methods, renewable energy sources, and low impact designs.

m. Cumulative Effects

Whether the proposed activity will result in adverse cumulative effects.-

16.4.4 Specific Discretionary Activity Assessment Criteria

1. Gum Diggers Track
2. A Remedial Management Plan associated with Wetland 3 and the manuka gum land addressing:
 - a. Weed and pest control to restore ecological quality.
 - b. Restoration of the hydrology of the wetland by replacing sections of track with boardwalks and placing subsurface drainage so that water can flow freely.
 - c. Planting to reduce edge effects and weed invasion.

- d. Measures restricting or prohibiting the presence of dogs, including:
 - i. Fencing and gating of Wetland 3 to exclude dogs in general accordance with the fence line location illustrated on the Structure Plan.
 - ii. At a minimum, prohibiting dogs (except service dogs) during the Tara Iti / Fairy Tern breeding season September-February, and requiring dogs to be on a lead at all times when dogs are not prohibited.
- e. Redesign of coastal culverts to reduce coastal erosion, while also ensuring the protection of any mudfish in drains within the wetland.
- f. Realigning the track to increase the setback from the coastal margin in areas where it is exacerbating cliff erosion.
- g. Ecologically appropriate fish passage.
- h. Measures to maintain or improve water quality during remedial works.

16.5 Rules: Development Controls

16.5.1 Development Control Rules

All activities shall comply with the relevant controls in Rule 16.5.1.

16.5.1.1 Building Location

- a. Habitable buildings shall have a minimum floor level of 3.5m above mean sea level (Reference One Tree Point Datum).
- b. Commercial and Industrial Buildings and non-habitable buildings such as garages and sheds shall have a minimum floor level of 3.3m above sea level (Reference One Tree Point Datum).

16.5.1.2 Residential Density

The following densities shall not be exceeded where more than one dwelling per site is proposed (except that the densities do not apply to Integrated Residential Development or Retirement Facilities).

Any density shall exclude any land identified as Sub-Zone 8.

Sub-Zone	Density
3A	1 dwelling per 500m
3B	1 dwelling per 500m
3C	1 dwelling per 750m
3D	1 dwelling per 1,000m ²

16.5.1.3 Building Yards

- a. Buildings shall be clear of the yard setbacks specified in Table 16.5.1-3 below:

Table 16.5.1-3 - Minimum Yards

Sub-Zone	Front Yard	Side Yard	Rear Yard	From Coastal Marine Area	From a Stream, wetland, or

					Sub- Zone 8
1					
3A-C	2m*	1m*	6m	30m	10m
3D	5m	1m	6m	30m	20m from Wetland 1 and the fence line between Wetland 1 and Wetland 3 as illustrated on the Structure Plan. 10m otherwise
7	7.5m	0m	20m where the boundary adjoins a residential zone 0m where the boundary adjoins any other site in Sub-Zone 7		10m

* exception as below

- b. Table 16.5.1-3 side yard and rear yard controls do not apply in the following circumstances:
- i. where buildings abut a common boundary or have a common
- c. In the Residential Sub-Zones 3A-C any garage must be set back a minimum of 5m from the front boundary of the site.
- i. In the Residential Sub-Zones 3A-D above ground rainwater tanks must not be located between the front façade of the dwelling and the site's street boundary.
- d. In addition to Table 16.5.1-3 above, the following shall also apply in the Sub-Zone 7:
- i. Any yard adjoining a residential zone shall be 20m and contain a 15m width landscape strip
 - ii. Front yards shall contain a 5m wide landscape strip (excluding any area for vehicle or pedestrian access/egress)
 - iii. side yards on a site greater than 10,000 m² shall contain a 2m landscape strip
- e. In addition to Table 16.5.1-3 above, the following shall also apply in Sub-Zone 1:
- i. Where a front yard contains a car parking area fronting Molesworth Drive, a 5m wide landscape strip containing 3m wide planted vegetation shall be provided immediately adjoining the road boundary (excluding any area for vehicle or pedestrian access/egress).
 - ii. Where a front yard contains a car parking area fronting a road other than Molesworth Drive, a 2m wide landscape strip shall be provided immediately adjoining the road boundary (excluding any area for vehicle or pedestrian access/egress).

16.5.1.4 Height in Relation to Boundary Control

Height in relation to boundary controls shall apply as follows:

Sub-Zone	Maximum Height in Relation to Boundary
1	No part of any building on that part of a site which is directly opposite any residentially Sub-Zoned land shall exceed a height equal to 3.0m plus the shortest horizontal distance between that part of the building and the road boundary.
3A-D	No part of any building shall exceed a height of 3.0m plus the shortest horizontal distance between that part of the building and any site boundary.
7	No part of any building shall exceed a height of 3.0m plus the shortest horizontal distance between the building and the road boundary

Provided that the following are excluded:

- a. Where existing or proposed buildings abut at a common wall, the height in relation to boundary control will not apply along the length of that common wall;
- b. No account shall be taken of radio and television aerials, solar heating devices and chimneys (not exceeding 1.1m in any direction) provided that such structures are located at least 1m from each side boundary;
- c. A gable end or dormer window may project beyond the recession plane where the extent of the projection complies with the following:
 - i. It has a maximum height of 1m; and
 - ii. It has a maximum width of 1m measured parallel to the nearest adjacent boundary; and
 - iii. It has a maximum depth of 1m measured horizontally at 90° to the nearest adjacent boundary; and
 - iv. There are no more than two such projections occurring in relation to any 6m length of site.
- d. For Sub-Zone 3A-D no account shall be taken of any boundary adjoining a road;
- e. Where a boundary adjoins an accessway, the furthest boundary may be used.

16.5.1.5 Maximum Height

- a. No building shall exceed the following maximum height limits

Sub-Zone	Maximum Height
1	12m
3A-D	8m Except that Integrated Residential Development, retirement facilities or visitor accommodation in the "Integrated Residential Development Overlay" the maximum height is 12m.
7	8m

- b. In Sub-Zones 3A-D fences shall not exceed 1.2m height on boundaries to public open space, and street boundaries.

16.5.1.6 Building Coverage

The maximum net site area building coverage shall not exceed the following thresholds:

Sub-Zone	Maximum Net Site Coverage
1	50%
3 A-D	35% Except that Integrated Residential Development, retirement facilities or visitor accommodation in the "Integrated Residential Development Overlay" the maximum net site coverage is 50%.
7	60%

16.5.1.7 Maximum Impermeable Surfaces

The area of any site covered by buildings and other impermeable surfaces shall not exceed:

Sub-Zone	Total Impermeable Surfaces
1	100%
3A	60% Except that Integrated Residential Development, retirement facilities or visitor accommodation in the "Integrated Residential Development Overlay" the maximum total impervious surfaces are 70%.
3B, C and D	50%
7	80%

16.5.1.8 Outdoor Living Areas/Screening

- a. Every dwelling in Business 1 Sub-Zone shall be provided with an outdoor living area as follows:
 - i. A balcony or terrace with a minimum area of 10m² with a minimum depth of 2m which is readily accessible from the main living room.
- b. Every dwelling in Residential 3A-D Sub-Zones shall be provided with an outdoor living area with dimensions as follows (except that dwelling above ground level shall comply with clause (c) below):
 - i. Shall have a minimum area of 60m² or
 - ii. Integrated Residential Development or Retirement Facilities shall have a minimum area of 40m² and
 - iii. Shall contain a minimum dimension of 3m measured at right angles to the perimeter of the area; and
 - iv. Must be capable of containing a 6m diameter circle; and
 - v. Shall not be located on the southern side of the dwelling; and
 - vi. Shall be readily accessible from a the main living area; and
 - vii. Shall not be obstructed by buildings, parking spaces or vehicle access and

- manoeuvring areas, other than an outdoor swimming pool; and
- viii. Dwelling above the ground floor shall have a balcony or terrace with a minimum area of 10m² with a minimum depth of 2m and which is readily accessible from a living room located on the east, north or west side of the dwelling; and

c. Screening of Storage and Service Areas

Where any storage or service area (including incinerators, and rubbish receptacle areas) directly faces a public road or any open space, such an area shall be screened by either:

- i. A solid wall or screen not less than 8m in height; or
- ii. Planting

16.5.1.9 Earthworks

Earthworks are a Permitted Activity where they are required for the addition, maintenance or removal of an underground storage tank or septic tank.

Earthworks associated with residential activities (i.e. gardening, landscaping, etc) shall be deemed to be permitted activities subject to compliance with the threshold listed below.

Excavation or deposition of material within a site shall not exceed the following dimensions within any 12 month period:

Sub- Zone	Maximum area of earthworks on slopes less than 1 in 6	Maximum area of earthworks on slopes greater than 1 in 6
1	1000 m ²	500 m ²
3	500 m ²	250 m ²
7	700 m ²	350 m ²

16.5.1.10 General Noise

- a. The following Noise Performance Standards shall apply as follows:

Sub- Zone	Performance Standards
1	14.10.14(1)
3	13.10.14
7	14.10.14(2)

- b. New buildings and alterations to existing buildings to be used for residential purposes in the Business Sub-Zone shall meet the following:
- i. Noise received in all habitable rooms shall not exceed 45 dBA L10 between 23:00 hours and 07:00 hours with ventilating windows open; and
 - ii. An Acoustic Design Report shall be obtained from a suitably qualified Acoustic Engineer confirming that the building will be constructed to meet the above requirement.

16.5.1.11 Veranda Control

Rule 14.10.9 shall apply in Sub-Zone 1 along the "building frontage to main street" as identified on the Estuary Estates Structure Plan.

16.5.1.12 Fencing

1. Every residential allotment shall be required to contain any dogs on the allotment by fencing or alternative means (such as electronic control).
2. Wetlands 1 and 3 shall be perimeter fenced, together with the boundary line between Wetlands 1 and 3, in general accordance with the fence line location illustrated on the Structure Plan. The fence shall:
 - Where the fence forms a side or rear boundary of a residential allotment:
 - have a minimum height of 8m from ground level and be either a close board timber fence with capping or a steel wire mesh fence, in either case with no gap at ground level and continuous with adjoining allotment fences.
 - Where the fence adjoins a road reserve or allotment for a network utility (including a reservoir):
 - have a height of 1.8m from ground level and be either a close board timber fence with capping or a steel wire mesh fence, in either case with no gap at ground level and continuous with adjoining allotment fences.
 - include a landscaped hedge between the fence and road reserve.
 - Include self-closing gates to the gum diggers track in appropriate locations.
 - If the steel wire mesh fence option, have mesh dimension of no greater than 50 millimetres and include top and bottom rail.

Wetlands 1 and 3 are illustrated on the Structure Plan.

16.5.2 Water Supply and Wastewater Supply

a. The following Rules shall apply as follows:

Sub-Zone	Water Supply Performance Standards	Wastewater Performance Standard
1	14.13.4	14.13.6
3	13.14.4	13.14.6
7	14.13.4	14.13.6

- b. A non-reticulated dwelling must have available a minimum of 50 m³ water storage capacity, inclusive of 10 m³ for fire safety (Rule 16.5.10). Where a reticulated firefighting network is available, the dwelling must provide a minimum 40 m³ water storage capacity.
- c. A reticulated dwelling must have available a minimum of 5 m³ water storage capacity for rainwater harvesting and use associated with the dwelling.
- d. A reticulated dwelling in a retirement facility must have available a minimum of 3 m³ water storage capacity for rainwater harvesting and use associated with the dwelling.
- e. The details of the water storage must be provided with a building consent and/or resource consent application.
- f. References in 13.14.4 and 14.13.4 to a Council water supply for the purpose of this rule shall also include a private water supply entity in the Estuary Estates Zone meeting the requirements of relevant legislation.

16.5.3 Hazardous Substances

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.21

3	13.10.21
7	14.10.21

16.5.4 Temporary Noise

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.15
3	13.10.15
7	14.10.15

16.5.5 Wind Generation: Noise

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.16
3	13.10.16
7	14.10.16

16.5.6 Vibration

The following Rules shall apply as follows:

Sub-Zone	Performance Standards
1	14.10.17
3	13.10.17
7	14.10.17

16.5.7 Contaminated Land - Change of Land Use

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.19
3	13.10.19
7	14.10.19

16.5.8 Contaminated Land - Remediation

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.20
3	13.10.20

7	14.10.20
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16.5.9 Radioactive Materials

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.22
3	13.10.22
7	14.10.22

16.5.10 Fire Safety

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.26
3	13.10.26
7	14.10.26

16.5.11 Lighting

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.23
3	13.10.23
7	14.10.23

16.6 Transportation Provisions

16.6.1 Rules: Activities

16.6.1.1 Permitted Activities

The following transportation activities shall be Permitted Activities:

- a. All parking and loading activities are Permitted Activities where they comply with the Standards detailed under part 16.6.2 of this Section, unless stated otherwise in the Estuary Estates Structure Plan provisions (and for the avoidance of doubt this includes stacking parking where parking remains in the same ownership).
- b. Maintenance and upgrading of existing roads in accordance with the Standards of Rule 16.6.2

16.6.1.2 Restricted Discretionary Activities

The following are Restricted Discretionary Activities:

- a. An activity that does not comply with the access way, parking and loading Standards of Rule 16.6.2. Any activity providing for more than 100 car parks.
- b. Any activity providing for more than 30 car parks.

The creation of a new road (including associated street lighting, furniture etc) and any road location not meeting standard 16.6.2.1

- a. Any new activity that exceeds any of the following thresholds:
- b. Dwellings (excluding retirement facilities) that exceed a cumulative total of 850 dwellings;
- c. Criteria for Assessing Restricted Discretionary Activities
- d. Restricted Discretionary Activities will be assessed against the following matters with the Council's discretion in regard to any of the Restricted Discretionary Activities listed above being limited to the following matters.
 - a. Traffic / New Road and Road Location, and any new activity that exceeds the thresholds in Rule (16.6.1.2.e) Considerations
 - i. Whether the site is adequately accessible from the roading
 - ii. Existing and probable future traffic volumes on adjacent
 - iii. The ability of the adjacent existing or planned roading network to absorb increased traffic and the feasibility of improving the roading system to handle any increases.
 - iv. The extent of traffic congestion and pedestrian/vehicle conflict likely to be caused by a proposal.
 - v. Whether vehicle access to and from the site:
 - Ensures adequate sight distances and prevent congestion caused by ingress and egress of vehicles; and
 - Is sufficiently separated from pedestrian access to ensure the safety of pedestrians.
 - b. Any activity providing for more than 100 car parks
 - i. Whether the parking area(s) is / are properly graded, drained and sealed to prevent dust nuisance or concentrated runoff of water from the site.
 - ii. The nature and extent of proposed landscaping in terms of screening, visual and streetscape amenity
 - iii. The extent to which parking areas are set back from residential and community Where this is impracticable whether adequate screening will be provided in the form of fencing or landscaping, in order to reduce to an acceptable level any adverse aural or visual impacts.
 - iv. Whether a parking areas internal circulation is designed so that safe and efficient vehicle circulation on site is achieved and so that adverse effects on the roading network are
 - v. The location of access from the road into parking areas and the effects on safety and movement.
 - c. Any activity providing for more than 30 car parks
 - i. The extent to which stormwater quality treatment and litter management has been provided to protect the environment from contaminants generated from the activity.
 - d. Reduction in Parking Spaces
 - i. Whether or not it is physically practicable to provide the required parking on the site in terms of the existing or proposed location of buildings, availability of access to the road, and other similar
 - ii. Whether there is an adequate alternative supply of parking in the vicinity such as a public car park or on-street In general, on street parallel parking particularly on residential streets is not considered a viable alternative.
 - iii. Whether there is another site or parking area in the immediate vicinity

that has available parking spaces which are not required at the same time as the proposed activity and where a legal agreement between the applicant and owner of the site is provided to show a right to use such areas.

- iv. Whether the proposal has less than normal parking requirements e.g. due to specific business practices, operating methods or the type of customer.
 - v. The extent to which significant adverse effect on the character and amenity of the surrounding area will occur as a result of not providing the required parking spaces.
- e. Any non-compliance with any development control listed in 16.6.2.2, 16.6.2.4 and 16.6.2.5 will also be assessed utilising the relevant matters listed in:
- Chapter 13.10 for the applicable or equivalent Residential standards for land zoned Sub- Zones 3A-D
 - Chapter 14.10 for the applicable or equivalent standards for land zoned Sub-Zones 1 and 7.

16.6.2 Rules: Permitted Activity Standards

All Permitted, Controlled and Restricted Discretionary Activities shall comply with the relevant controls in Rule 16.6.2.

16.6.2.1 Roads

1. Road Hierarchy

Roads shall be located in accordance with the roading hierarchy identified on the Estuary Estates Structure Plan.

16.6.2.2 Vehicle Access and Driveways

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.25
3	13.10.25
7	14.10.25

16.6.2.3 Parking

Provision of Parking Spaces - the following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.27
3	13.10.27
7	14.10.27

16.6.2.4 Loading

The following Rules shall apply as follows:

Sub-Zone	Performance Standard
1	14.10.28
3	13.10.28
7	14.10.28

16.6.2.5 Signs

The following Rules shall apply as follows:

Sub-Zone	Performance Standards
1	14.10.24
3	13.10.24
7	14.10.24

16.7 Subdivision Provisions

The following subdivision provisions apply specifically to the Estuary Estates Structure Plan area.

16.7.1 Rules: Activities

These Rules apply to all subdivision proposals within the Estuary Estates Structure Plan area.

16.7.2 Subdivision Activity Table

Table 16.7.2-1

ACTIVITIES	1 Business	3 Residential	7 Service	8 Natural Environment
Amendments to existing Cross Leases, Unit Titles and company lease plans for the purpose of showing additions and alterations to lawfully established buildings, accessory buildings and areas for exclusive use by an owner/s	RD	RD	RD	
Any subdivision not otherwise provided for in Table 16.7.2-1	D	D		
Boundary adjustments or realignments	RD	C	RD	
Right of way easements and access lots	RD	RD	RD	

Subdivision for the purpose of creating freehold Titles in accordance with Rule 16.7.4 (except minimum lot sizes)	RD	RD	RD	
Subdivision for the purpose of creating freehold Titles which does not comply with the minimum lot sizes	NC	NC	NC	
Subdivision of existing or approved buildings and/or activities by way of unit Title,	RD	RD	RD	
Subdivision that creates a lot/s for the purpose of a reserve, public utilities or infrastructure	RD	RD	RD	RD
Subdivision not meeting one or more of the Standards detailed under Part 16.7.4 (except minimum lot sizes)	D	D	D	

16.7.3 Restricted Discretionary Activities

16.7.3.1 Matters Over Which Discretion is Restricted

Council has restricted its discretion over the following matters when considering and determining an application for Resource Consent:

- a. Subdivision, roading and Lot design including the ability for sites to accommodate a complying dwelling, required water storage, and suitable onsite parking and manoeuvring areas;
- b. Consistency with the Estuary Estates Structure Plan Map;
- c. Transport network (including parking, cycleway and pedestrian facilities) and vehicle access to lots;
- d. Availability of sufficient water supply (rainwater harvesting and/or reticulated water supply for Sub- Zone 3A which meet all relevant legislative requirements for drinking water), and water demand management (savings*) including for fire fighting;
 - dd) The location and land area requirements of water reservoirs(s) identified with the first subdivision of the Residential Sub-Zone 3D
- e. Low impact design, stormwater treatment and disposal, including appropriate stormwater quality monitoring associated with the design and construction stages

- as well as the consent holder's maintenance obligations;
- ee) Stormwater management plan for the hydrology of Wetlands 1, 2 and 3 including stormwater quality;
 - eee) Consent notices for stabilised roofing material
- f. Public utilities;
- ff) That there is adequate existing wastewater infrastructure, or funding for adequate wastewater infrastructure to support the development is identified in a long term plan;
- g. Planting and landscaping.
- h. Ecological effects including the effects on the habitat of Tara Iti / Fairy Tern and their food sources (including wetlands, watercourses and the coastal marine area), including disturbance by people and dogs;
- i. Pedestrian and cycling connectivity to open space and shared path networks;
- j. Ecology management plan for the Sub-Zone 8 areas, including weed and pest control and indigenous revegetation (where appropriate) and any required mechanisms for ownership and maintenance of the area
- k. Design and construction of central watercourse
- * For example, through the use of the Water Efficiency Labelling Scheme

16.7.3.2 Assessment Criteria for Restricted Discretionary Activities

Council will have regard to the following assessment criteria when considering and determining an application for Resource Consent:

- a. The extent to which the proposal is consistent with the Estuary Estates Structure Plan Map. The assessment of any application must establish the means through which any proposal will implement the Estuary Estates Design and Environmental Guidelines detailed under Appendix 16.1 and the Mangawhai Design Guidelines in Appendix 25A.
- b. The extent to which adequate access is provided to each lot.
- c. Where common lots are proposed, the extent to which appropriate mechanisms are provided to ensure that all infrastructure management and maintenance requirements are sustainable.
- d. The nature of proposed street frontage in terms of securing effective, safe access onto a legal road.
- e. Where staged subdivision is proposed, whether all necessary infrastructure, roading, utilities, public spaces and connections to service the proposed development will be established.
 - ee) For the catchment of Wetlands 1, 2 and 3, a stormwater management plan shall address the best practicable option to maintain surface flow hydrology.
 - eee) Consent notices shall require stabilised roofing materials.
- f. That there is adequate existing wastewater infrastructure, or funding for adequate wastewater infrastructure to support the development is identified in a long term plan;
- g. Where any existing or approved buildings are to be subdivided, the effects of the

proposal in regard to meeting relevant Development Control Standards.

- h. Where there are any communally owned or managed services, infrastructure or other such assets or joint responsibilities arising from any proposal; that the nature of arrangements which are proposed ensure the on-going implementation of such arrangements whether through body corporate or similar mechanisms.
- i. Where any subdivision adjoins an area identified as “amenity planting” and/or any areas identified as Sub-Zone 8 on the Structure Plan, whether the details of the planting have been provided and for Sub- Zone 8 areas an ecology management plan, including 10m riparian planting to streams and wetlands, weed and pest management controls and indigenous revegetation (where appropriate), are provided and any required mechanisms for ownership and maintenance of the area. For the avoidance of doubt the amenity planting areas may form parts of private lots and be held in private ownership.
- j. Whether the proposal utilises low impact and/or water sensitive stormwater management devices and designs, outfalls that mitigate concentrated flows and detail of any obligations for lot owners to construct and maintain such devices.
 - jj) The extent to which stormwater quality treatment has been provided to protect the environment from
 - contaminants generated from the activity including whether the proposal includes appropriate
 - stormwater quality monitoring associated with the design and construction stages as well as the
 - consent holder’s maintenance obligations.
- k. Existing and probable future traffic volumes, pedestrian and cyclist volumes and effects on adjacent roads including the intersection of Molesworth Drive and Moir Street, and the intersection of Insley Street and Moir Street.
- l. The design of the central watercourse within sub-precinct 3A to establish stormwater conveyance, treatment opportunities, recreation links and recreated freshwater habitat.
- m. Sufficient firefighting water supply is available, taking into account a risk based assessment (Refer to Note 8 of 13.11.1).
- n. The provision, capacity and design of reticulated supply of water sufficient to meet the needs of the subdivision and development which meet all relevant guidelines, the Code of Practice referenced in 16.1.6 and legislative requirements for drinking water (including storage, reticulation, treatment and ongoing management), rainwater harvesting and appropriate water demand management (savings), including legal mechanisms (e.g. consent notices) for their implementation within Residential Sub- Zone 3A or any other Sub-Zone intended to be reticulated.
- o. The extent the proposal has regard to the assessment criteria i) to v) in Rule 13.14.4.
- p. The extent to which the proposal provides connections to transport networks including walking and cycling (and indicative connections as shown on the structure plan) and roading function and design, including parking consistent with Appendix 16.2.
- q. The extent of land required for water reservoir(s) to service subdivision and

development proposed to be provided with reticulated water supply is detailed by an engineering assessment by a suitably qualified and experienced professional associated with the first subdivision of the Residential Sub- Zone 3D.

- r. Effects on the habitat of Tara Iti / Fairy Tern and their food sources (including wetlands, watercourses and the coastal marine area), including disturbance by people and dogs.
- s. Ecologically appropriate fish passage.

16.7.4 Development Controls

All Activities shall comply with the relevant controls of Rule 16.7.4.

16.7.4.1 Lot Sizes

- a. No vacant lots shall be created by subdivision, where the gross area of any Freehold Title is less than the minimum specified for each Sub-Zone in the table below.
- b. There shall be no minimum lot size where subdivision occurs around existing approved development or in conjunction with a land use consent.
- c. The minimum lot sizes must be exclusive of any area shown as Sub-Zone 8 on the Structure Plan.

Sub-Zone		Minimum Vacant Freehold Lot Size
1		500m ²
3	A	500m ²
	B	500m ²
	C	750m ²
	D	1000m ²
7		1000m ²

16.7.4.2 Building Platform Locations

All vacant residential lots shall be of a size and shape which accommodates a building platform which is 8 by 15 and clear of all yard setbacks identified in Rule 16.5.1.3.

16.4.7.3 Boundary Adjustments

New lots may be created by way of boundary adjustments between existing lots provided that: There are two or more existing lots:

- a. Each of the lots has a separate Certificate of Title;
- b. Any approved residential building platform is retained in its approved location, or a new location which meets Rule 16.7.4.2 is identified;
- c. There is no increase in any existing non-compliance with the Development Controls for Permitted Activities as set out in Part 16.5 unless Resource Consent is obtained for such non-compliances in conjunction with the proposed boundary adjustment; and
- d. No additional lots or Certificate of Title in separate ownership are created.

16.7.4.4 Subdivision Design

1. Roads and Access

a. All roading and access shall be consistent with the Estuary Estates Structure Plan Map

b. The following Rules shall apply as follows:

Sub-Zone	Performance Standards
1	14.13.2
3	13.13.2
7	14.13.2

2. Services

The following Rules shall apply as follows:

Sub-Zone	Provision for the Extension of Services	Water Supply	Stormwater Disposal	Wastewater Disposal
1	14.13.3	14.13.4	14.13.5	14.13.6
3	13.14.3	13.14.4 and 16.5.2 b), c) & d). Lots less than 500 m ² in the Residential Sub-Zone 3A must be serviced by a reticulated water supply sufficient to meet the needs of the subdivision and development. Lots greater than 500 m ² in the Residential Sub-Zone 3A that are not serviced by reticulated water supply must comply with Rule 13.14.4 and 16.5.2 a).	13.14.5	13.14.6
7	14.13.3	14.13.4	14.13.5	14.13.6

3. Legal Protection

As appropriate, legal protection of any amenity landscape feature, bush area, indigenous vegetation plantings as an enhancement of bush, stream or wetland, public access way or stormwater management systems shall be secured through a Consent Notice or other suitable legal instrument that is registered on the title of the land concerned. Where appropriate, legal protection may also be achieved through a Queen Elizabeth II National Trust Covenant, a covenant with Council, a Conservation Covenant under Section 77 of the Reserves Act or by vesting land in

a public authority as a public reserve and/or through private reserve status.

4. Preservation/Enhancement of Areas Of Archaeological, Cultural Or Spiritual Significance

The subdivision design and layout shall preserve and/or enhance areas of archaeological, cultural or spiritual significance.

5. Fencing

- i. Every residential allotment shall be required to contain any dogs on the allotment by fencing or alternative means (such as electronic control). This shall be secured through a Consent Notice or other suitable legal instrument that is registered on the title of the site concerned.
- ii. Wetlands 1 and 3 shall be perimeter fenced, together with the boundary line between Wetlands 1 and 3, in general accordance with the fence line location illustrated on the Structure Plan. Where relevant to a residential allotment, this shall be secured through a Consent Notice or other suitable legal instrument that is registered on the title of the land concerned.

The fence shall:

- Where the fence forms a side or rear boundary of a residential allotment:
 - have a minimum height of 8m from ground level and be either a close board timber fence with capping or a steel wire mesh fence, in either case with no gap at ground level and continuous with adjoining allotment fences.
- Where the fence adjoins a road reserve or allotment for a network utility (including a reservoir):
 - have a height of 1.8m from ground level and be either a close board timber fence with capping or a steel wire mesh fence, in either case with no gap at ground level and continuous with adjoining allotment fences.
 - include a landscaped hedge between the fence and road
- Include self-closing gates to the gum diggers track in appropriate
- If the steel wire mesh fence option, have mesh dimension of no greater than 50 millimetres and include top and bottom rail.

Wetlands 1 and 3 are illustrated on the Structure Plan.

16.8 Financial Contribution Provisions

The provisions of Chapter 22: Financial Contributions of this Plan shall apply.

16.8.1 Network Utilities

1. Water storage that does not comply with the permitted activity performance standards in Rule 10.11.1 is a Restricted Discretionary Activity, and the assessment criteria listed in Rule 10.11.1 shall be the matters of discretion.
2. Rule 10.11.10 does not apply to water storage.

16.9 Temporary Activity Provisions

16.9.1 Resource Management Issues

Temporary activities within the Estuary Estates Structure Plan area have the potential to have significant adverse effects on neighbouring properties, the community at large and ecology (including Tara Iti / Fairy Tern). In particular temporary activities create the

following issues:

- 16.9.1.1 The appearance of temporary buildings associated with construction works.**
- 16.9.1.2 The size, frequency, duration and timing of temporary buildings and activities.**
- 16.9.1.3 The impact of such buildings and activities from noise, crowd management, health and safety and traffic generation.**
- 16.9.2 Objectives and Policies**
- 16.9.2.1 Temporary Activities Objective**

To provide for the community within the Estuary Estates Structure Plan area and the wider Mangawhai Areas general wellbeing through the provisions of Temporary Activities while ensuring such activities are operated at a level which avoids or mitigates adverse effects on the environment.

Policy

- a. By adopting appropriate provisions to control the duration, size, extent and timing of Temporary Activities.

16.9.3 Rules: Activities

16.9.3.1 Permitted Activities

The following activities listed in 16.9.3.2-16.9.3.4 and any buildings and structures associated with the temporary activities are Permitted Activities in all Sub-Zones. Should any activity listed in this section conflict with the activity status listed in another section of this Chapter, the Temporary Activities provisions shall prevail.

16.9.3.2 Temporary Activities Ancillary to Building and Construction Works

Temporary buildings, offices, storage sheds, storage yards, scaffolding and false work, workshops or uses of a similar character where such activities are:

- a. Ancillary to and required for a building or construction project; and
- b. Located on the site same as the building or construction project; and
- c. Limited to the duration of the project or for a period of 12 months (whichever is the lesser).

16.9.3.3 Public Performances, Concerts, Shows, Musical and Theatrical Entertainment, Cultural and Sporting Events, Exhibitions, Fairs, Galas, Markets, Carnivals, Festivals, Parades, Rallies, Filming, Weddings, Meetings

Any Temporary Activity, including the use of buildings, for purposes such as public performances, concerts, shows, musical and theatrical entertainment, cultural and sporting events, exhibitions, fairs, galas, markets (excluded those listed in Rule 16.9.3.4), carnivals, festivals, parades, rallies, filming, weddings, meetings and activities of a similar nature provided that:

- a. In the Coastal Buffer overlay as illustrated on the Structure Plan, and the Coastal

Environment overlay where it overlays the Business Sub-Zone 1 as illustrated on the Structure Plan:

- i. Such activities do not occur during the Tara Iti / Fairy Tern breeding season September-February.
 - ii. No dogs (with the exception of service dogs) are brought to the event.
- b. Such activities, including structures for these activities, do not occupy any venue for more than a total of five days (inclusive of the time required for establishing and removing all structures and activities associated with the use);
 - c. The number of people attending the event at any one time does not exceed 200 persons when the activity is undertaken outside;
 - d. Any associated electronically amplified entertainment complies with all of the following:
 - i. It does not commence before 10am on any day;
 - ii. It is completed by 10pm on the day of the performance or 00pm on Fridays and/or Saturdays or 1:00am the following day on New Year's Eve; and
 - iii. The 'Temporary Noise' Performance Standards shall apply as follows:

Sub-Zone	Performance Standards
1	14.10.15
3	13.10.15
7	14.10.15

- e. The L_{eq} noise level and L_{10} noise level arising from the event does not exceed 75dBA L_{eq} or 85dBA L_{10} when measured at the notional boundary of any adjacent site with a residential use;
- f. A Temporary Activity occurs no more than five times in any one calendar year at any one location;
- g. All fixed exterior lighting associated with Temporary Activities shall be directed away from adjacent residential sites and public roads;
- h. All temporary activities that exceed a duration of two hours and do not have access to public or private toilet facilities shall provide sanitary facilities for the duration of the activity in accordance with the NZ Building Code Clause G1. When using Clause G1 if the activity is not undertaken within a building the most appropriate building use shall be applied.

16.9.3.4 Markets in Sub-Zone 1

Markets occurring at any frequency throughout the year in Sub-Zone 1.

16.9.4 Restricted Discretionary Activities

The following activity is a Restricted Discretionary Activities in all Sub-Zones and on public roads provided that the activity meets the terms detailed below, otherwise the activity is a Discretionary Activity.

16.9.4.1 Public Performances, Concerts, Shows, Musical and Theatrical Entertainment, Cultural and Sporting Events, Exhibitions, Fairs, Galas, Markets, Carnivals, Festivals, Parades, Rallies, Filming,

Weddings, Meetings

- a. Any Temporary Activity, including the use of buildings, for purposes such as public performances, concerts, shows, musical and theatrical entertainment, cultural and sporting events, exhibitions, fairs, galas, markets (excluded those listed in Rule 16.9.3.4), carnivals, festivals, parades, rallies, filming, weddings, meetings and activities of a similar nature which:
 - i. In the Coastal Buffer overlay as illustrated on the Structure Plan, and the Coastal Environment overlay where it overlays the Business Sub-Zone 1 as illustrated on the Structure Plan
 - Such activities do not occur during the Tara Iti / Fairy Tern breeding season September-February.
 - No dogs (with the exception of service dogs) are brought to the event.
 - ii. Occupies a venue for more than five days but no more than seven days (inclusive of the time required for establishing and removing all structures and activities associated with the use); and/or
 - iii. Exceeds a capacity of 200 persons but no more than 500 persons at any one time when the activity is undertaken outside; and/or
 - iv. Occurs more than five times a year at any one location; and/or
 - v. Is not located in any area identified as Green Network on the Estuary Estates Structure Plan Map 1 other than the Village Green in Community 2 Sub-Zone or any public road.

16.9.4.2 Restricted Discretionary Assessment Criteria

The following criteria shall be taken into account when considering Restricted Discretionary Applications for Temporary Activities:

- a. The proposed hours of operation, duration and timing of the activity;
- b. The nature and intensity of the activity;
- c. The extent to which the activity may give rise to adverse effects including noise on residentially used buildings within and surrounding the activity;
- d. The extent to which the activity may give rise to adverse effects related to the activities of crowds using the road network and the car parking facilities and the extent to which those effects are avoided, remedied or mitigated;
- e. The ability to supply potable water in compliance with the Drinking-Water Standards for New Zealand for the duration of the activity;
- f. The provision and location of adequate sanitation facilities throughout the duration of the activity in accordance with the Building Act;
- g. Compliance with Food Hygiene Standards and regulations;
- h. The appropriateness and control measures in place for the sale of liquor for consumption on the premises;

- i. Provision of an Emergency Management Plan which specifies a clear set of roles and procedures in the case of an accident or emergency; and
- j. The effect of the activity on the use normally made of the site if the site is usually available to the public.
- k. Effects on the habitat of Fairy Tern and their food sources (including wetlands, watercourses and the coastal marine area), including disturbance by people and dogs.

16.10 Definitions Specific to the Structure Plan Area

APPENDIX 16.1: ESTUARY ESTATES DESIGN AND ENVIRONMENTAL GUIDELINES

These guidelines are to be referenced as assessment criteria for Resource Consent applications as required by Estuary Estates Plan provisions.

16.11 Road Network and Streetscape

The Structure Plan Maps illustrate the desired road and streetscape outcomes. Roads shown on the Structure Plan Maps are those that are required, however it is anticipated that additional roads will also be constructed.

All subdivision and development (which seeks to create any new road) should secure the following outcomes:

- Achieve a roading network (as shown on Estuary Estates Structure Plan that is well-connected, visually interesting and which promotes active transport (walking and cycling)).
- Provision within the road reserves for safe footpaths and cycle ways, underground services, lighting, parking, trees, landscaping, street furniture and signage.
- Ensure the scale and type of street tree planting, under planting, carriage alignments, footpaths, cycle ways, underground services, lighting, parking, street furniture and signage reflect the road hierarchy.
- Maximise pedestrian and cyclist safety and connectivity through the use of appropriate materials to define routes/pathways, visibility of linkages and using clear signage.
- Use mountable kerbs, swales, rain gardens, grass berms and sand filters to capture and filter.
- Street lighting should safely illuminate pedestrian and cycle paths and roads and access ways without adversely affecting residential uses.
- Provide on-road and short term parking within the road network without impeding traffic or pedestrian movements.
- Align roads to front the green network or other public open spaces where

practicable.

- Street blocks in the Sub-Zones 3A and 3B should not exceed a length of 250m or a perimeter of 650m.
- Other than for the collector road and the ring road, streets should be designed with traffic calming measures that result in 30km/h maximum vehicle speeds.
- Roads and blocks should be laid out so as to relate to the underlying landform, and minimise the need for tall retaining structures.

16.11.1 Residential Lot Layout

- As many lots as possible should front onto and be accessed directly from a legal road or from a privately owned rear lane which is used for access only, while lots still front public roads.
- Rear lots should be avoided unless there are topographical or natural feature constraints that justify the rear lot(s).
- In any event rear lots should not exceed 5% of the total number of lots delivered in the zone.
- Blocks and lots should be designed to accommodate a complying dwelling, required water storage, and suitable onsite parking and manoeuvring areas, in a manner that will enable good solar access, private outdoor living spaces, dwelling privacy and opportunities for buildings to overlook the street.
- Lots should, where practicable, be based on simple rectilinear shapes, preferably rectangles with the narrow-side fronting a street.
- North-facing lots should in general be wider than south, east or west-facing lots so as to allow garages, outdoor spaces and dwellings to sit side-by-side.
- Planting of associated riparian margins and other natural features (within the subdivision site) shall be integrated with the subdivision. Application should include mechanisms for ongoing ownership and maintenance of open space areas (i.e. vesting or private ownership structures).

16.12 Sub-Zone Specific Guidelines

16.12.1 Business Sub-Zone 1

All development in the Business Sub-Zone 1 should be designed, arranged and laid out to be in accordance with the following guidelines:

- Parking spaces should generally be located behind the main street buildings with some on-street parking along main street. Parking areas and pedestrian access thereto shall be accessible to and from main street to car parking area.
- Development should create a focal point and gateway into the zone by defining and reinforcing a pedestrian-orientated main street as the heart of the community.
- Architecture should be based on a coastal and small-village vernacular promoting

intimacy, geometric simplicity, and the use of pitched roofs (including mono pitched roofs).

- Buildings should create an active street frontage by abutting the footpath and should complement one another in terms of design, form and mass.
- Individual buildings should be physically and/or visually connected to each other through the use of pergolas, verandas, awnings, colonnades and/or landscape elements.
- Buildings should incorporate verandas, awnings, or other features which provide shelter for pedestrians.
- Continuity of active building frontages should be provided to promote public interaction between the street and the buildings.
- Active uses such as retail, restaurants, cafes and other eating places should be located to reinforce the streetscape amenity in the Business Sub-Zone.
- Design variation and architectural detail should be used to keep areas of blank wall to a minimum and break up any likely perception of excessive bulk of building(s).
- The external glazing should not be mirrored, tinted or coloured except for isolated feature glazing.
- Areas set aside for service uses should be screened from public view through the use of planting and permeable screens.

16.12.2 Integrated Residential Development and Retirement Facilities - Residential Sub-Zone

All integrated residential development or retirement facilities in the Residential Sub-Zone 3 should be designed, arranged and laid out in general accordance with the following guidelines and the relevant guidelines in 16.11.1.1:

- Units should be oriented, through the placement of doors, windows and balconies, so that they overlook the public street, any adjoining public open space, and the cycle and walking trail shown on the Structure Plan.
- Where a common pedestrian entrance is provided to a building comprising a number of units, the entrance should be clearly visible and accessible from a public street.
- The development should achieve an integrated design theme through consistency of façade treatments, including articulation, window and door proportions, design feature materials and The development should also create visual character and variety through variation in building form and materials, and modulating the built form.
- The main living areas and outdoor space of each unit shall be designed to achieve privacy and good sunlight Preferably, outdoor living space is located behind the dwelling unit (except when the allotment and unit face north).
- Building bulk and massing achieves privacy and good sunlight access to adjoining integrated residential development and/or retirement facility dwellings.

- A variety of house types and size should be These may include detached houses, apartment buildings, duplex houses, and terraced housing.
- Building massing should be modulated by techniques including bays, balconies and variation in roof profiles. Particular attention should be given to minimising the impression of unrelieved building bulk for larger scale three or four storey buildings by these techniques, including by setting parts of the building back and the contribution of landscaping within the front yard.
- Building massing should be modulated by techniques including bays, balconies to avoid uniformity of appearance.
- Residential buildings should be located at the front of sites overlooking the street.
- Car parking and vehicle access areas should not dominate the street and the appearance of the development. Where an allotment frontage width is less than 9m, a rear access lane should be used.
- Garages and parking for all dwellings should be set further back from the street than the front of any residential building or alternatively, within or at the rear of residential units to maintain safe and easy pedestrian access into any residential unit. Parking should be sufficient (as required by the Plan provisions) to avoid householders vehicles needing to be parked on the street.

16.13 Buildings within the Coastal Environment Overlay

- Landscape enhancements, with a focus on coastal native vegetation, should be proposed with a landscape plan to soften the visual appearance of buildings adjoining the coastal marine area.
- Recessive, generally dark colours and low reflectivity finishes should be utilised for roofs and walls.

Appendix 16.2 Table: Road Function and Required Design Elements

Road Name (refer to Estuary Estates Structure Plan)	Proposed Role and Function of Road	Minimum Road Reserve width	Total number of lanes	Speed Limit (Design)	On Street Parking	Pedestrian and cycle provision	Treatment of stormwater runoff from carriageway
Molesworth Drive Upgrade	Arterial	Varies	4 lane	50	No	3m shared path both sides	Yes
Ring Road	Collector	24m	2 lane	40	Yes	2.5m shared path both sides	Yes
Collector Road	Collector	24m	2 lane	40	Yes	2.5m shared path both sides	Yes
Mainstreet	Local	24m	2 lane	30	Yes	4m footpath	Yes

						both sides	
Local	Local	Minimum 16m	2 lane	30	Yes	1.4m footpath both sides	Yes