
3.0 Greenways Mapping

Waitematā Greenways

3.1 Existing pathway connections



This map shows all existing public off-road, formed walkways and cycleways, predominantly within park and reserve land. This can be read as the 'existing network', which forms the base for the proposed Greenways network.

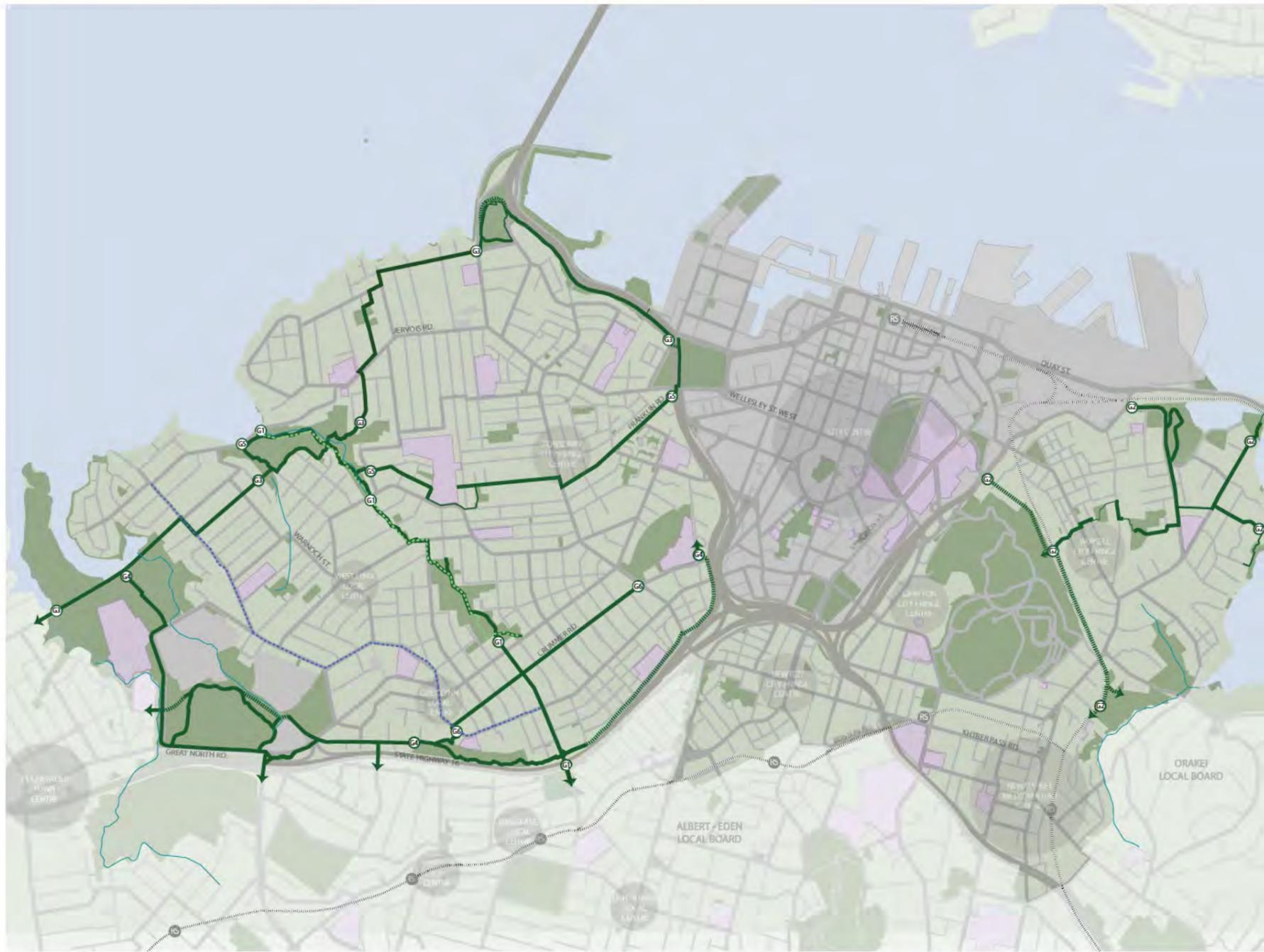
Some of these links may require upgrading to allow for a greater number or diversity of users, to create a safer environment and/or provide better environmental outcomes. As a formed physical connection is already in place upgrades to existing routes will often represent a more cost-effective, 'easier win' compared to a completely new connection.

Legend:

- Park and reserve land
- Road network
(including; motorways, arterial and minor roads)
- Streams / rivers
- Schools and universities
- Railway and railway stations
- Existing pathways

scale 1:30,000 @ A3

3.2 Proposed priority greenways

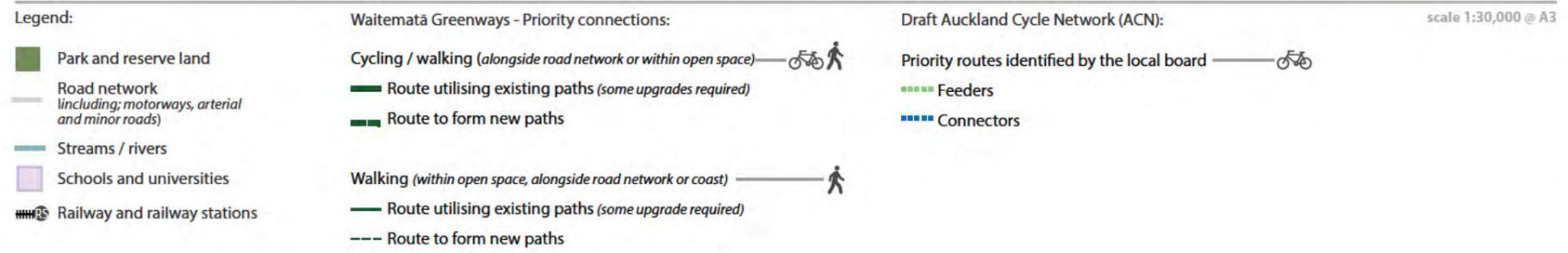


This map shows the 'Priority Routes' identified by the Local Board for public consultation and feedback. A draft of this map (and those that follow in this section), was displayed online and at the 'Green for Go' open day hosted by Waitematā Local Board members and Auckland Council officers in February 2013.

The six 'priority greenway connections' shown on the adjacent plan are:

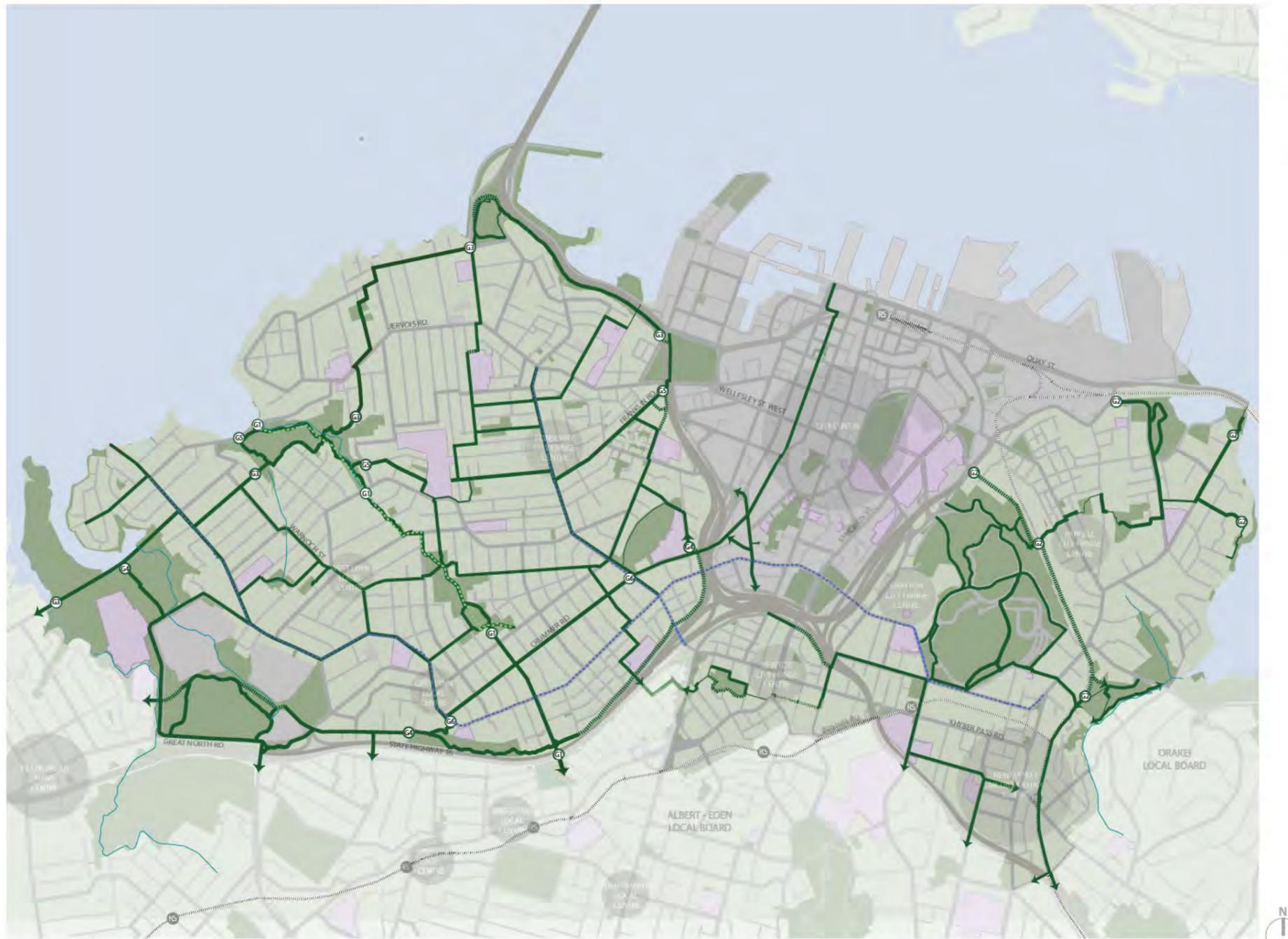
- G1 - Grey Lynn Connection
- G2 - Parnell Parks Link and Waipapa Valley Connection
- G3 - Coastal Connection
- G4 - Waiorea to Karangahape Road Connection
- G5 - Ponsonby Connection
- G6 - Crummer Road Connection

The routes shown on this map series were updated following public consultation, and specific routes were further detailed and prioritised following review of the public and stakeholder feedback. These priority sections are featured in Appendix Section C of this document.



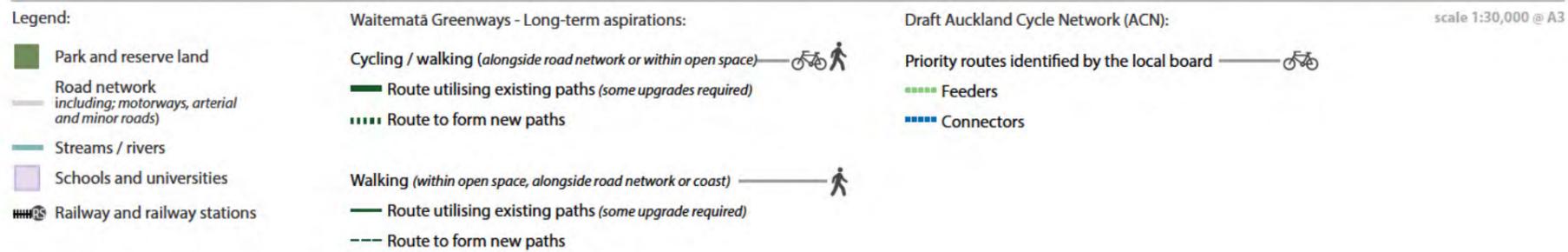
Note: Further investigation is needed to determine the feasibility of cycle access. Walking tracks are shown where cycling is thought to be unachievable.

3.3 Long-term Greenways aspiration



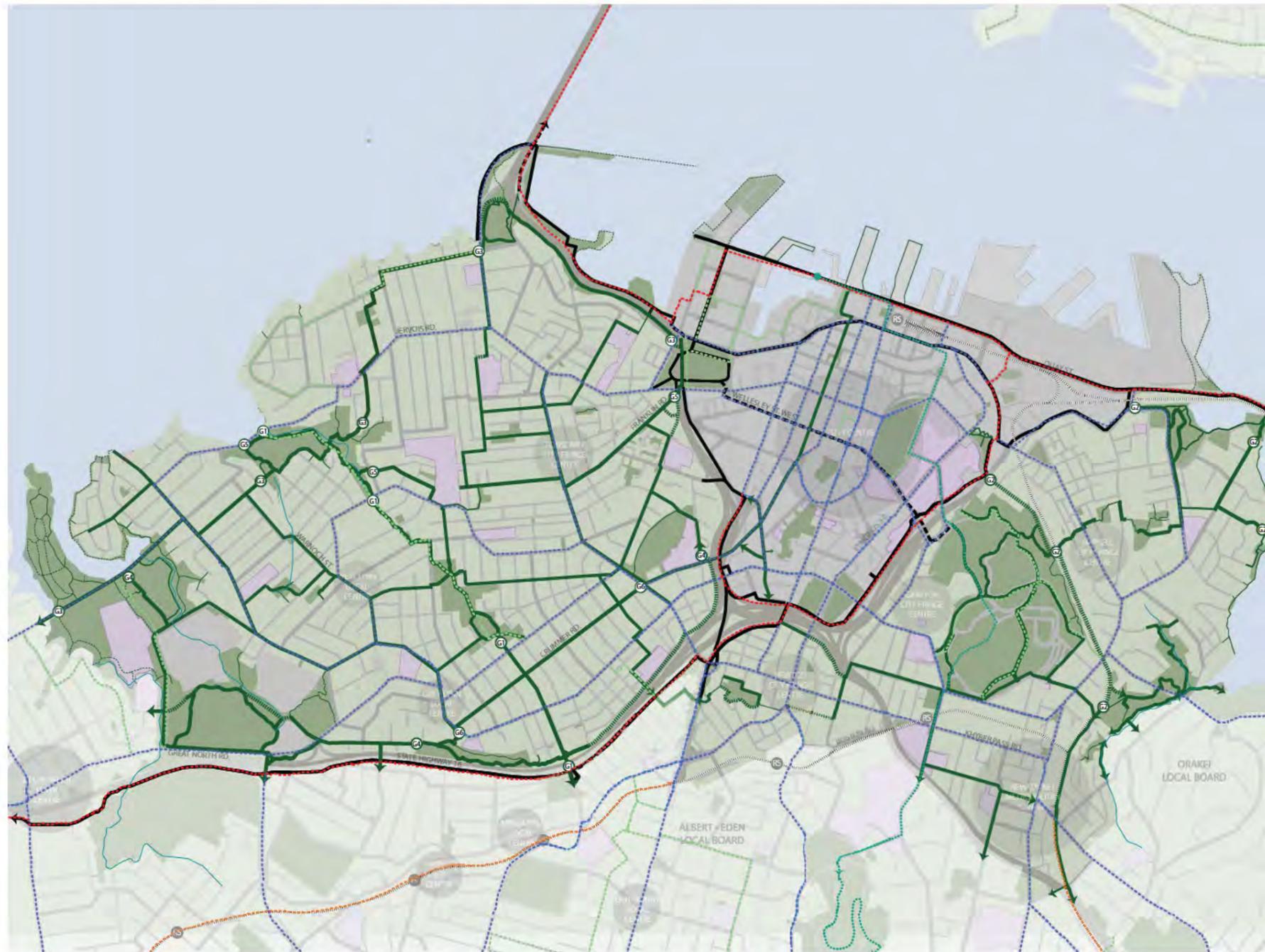
This map shows the 'overall greenways aspiration' identified by the Local Board for public consultation and feedback, including the priority sections as well as longer term routes. This vision is aspirational, and will be reviewed on a regular basis as the draft priority sections are completed, and as other related projects are completed.

While it appears from this map that the city centre appears has minimal Greenway connections, the City Centre Master Plan covers 'green links' in its strategy. The analysis mapping in Appendix Section A illustrates these connections.



Note: Further investigation is needed to determine the feasibility of cycle access. Walking tracks are shown where cycling is thought to be unachievable.

3.4 Aspirational greenways, overlaid with the ACN and other recreational/connection projects



This map shows the 'aspirational Greenways connections' overlaid with the draft Auckland Cycle Network (ACN), and other recreational/connection projects (some of which are not yet fully funded). The 'other' projects mapped here are:

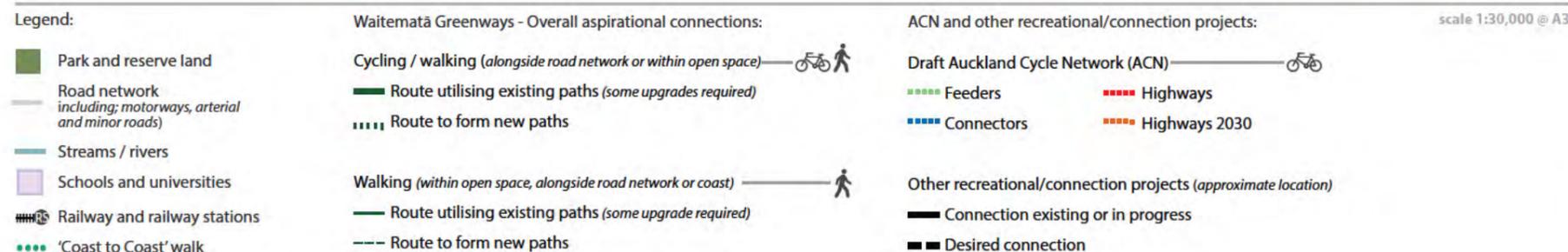
- Grafton Gully Cycleway, by NZTA (partially under construction 2013)
- Westhaven Promenade, the walkway / cycleway along Westhaven Marina by Waterfront Auckland
- Other NZTA connections along the motorway corridor
- Wellesley Street as 'green link' (as opposed to Victoria Street as proposed in the CCMP)

It is worth noting that the Greenways do not often overlap with the ACN's 'highway' or 'connector' routes, as these are predominantly on busy roads, where opportunities for the amenity, recreational and ecological improvements envisaged as part of the vision are very difficult to achieve. Greenways overlap with the ACN's 'feeder' routes much more closely, and are included in AT's definition of a feeder route. These routes are usually on low traffic volume, 'minor' streets.

It is also of note that the ACN is currently in draft form, and a process to better align the 'feeder' routes with the various Local Board Greenways plans is currently underway. It is intended that both the ACN and the Greenways plans are 'live' documents, which will be updated at regular intervals. The ACN draft shown opposite was current as of May 2013.

This map can be viewed in greater detail on pages 24-31 'Waitematā Greenways Maps - showing all aspirational connections'.

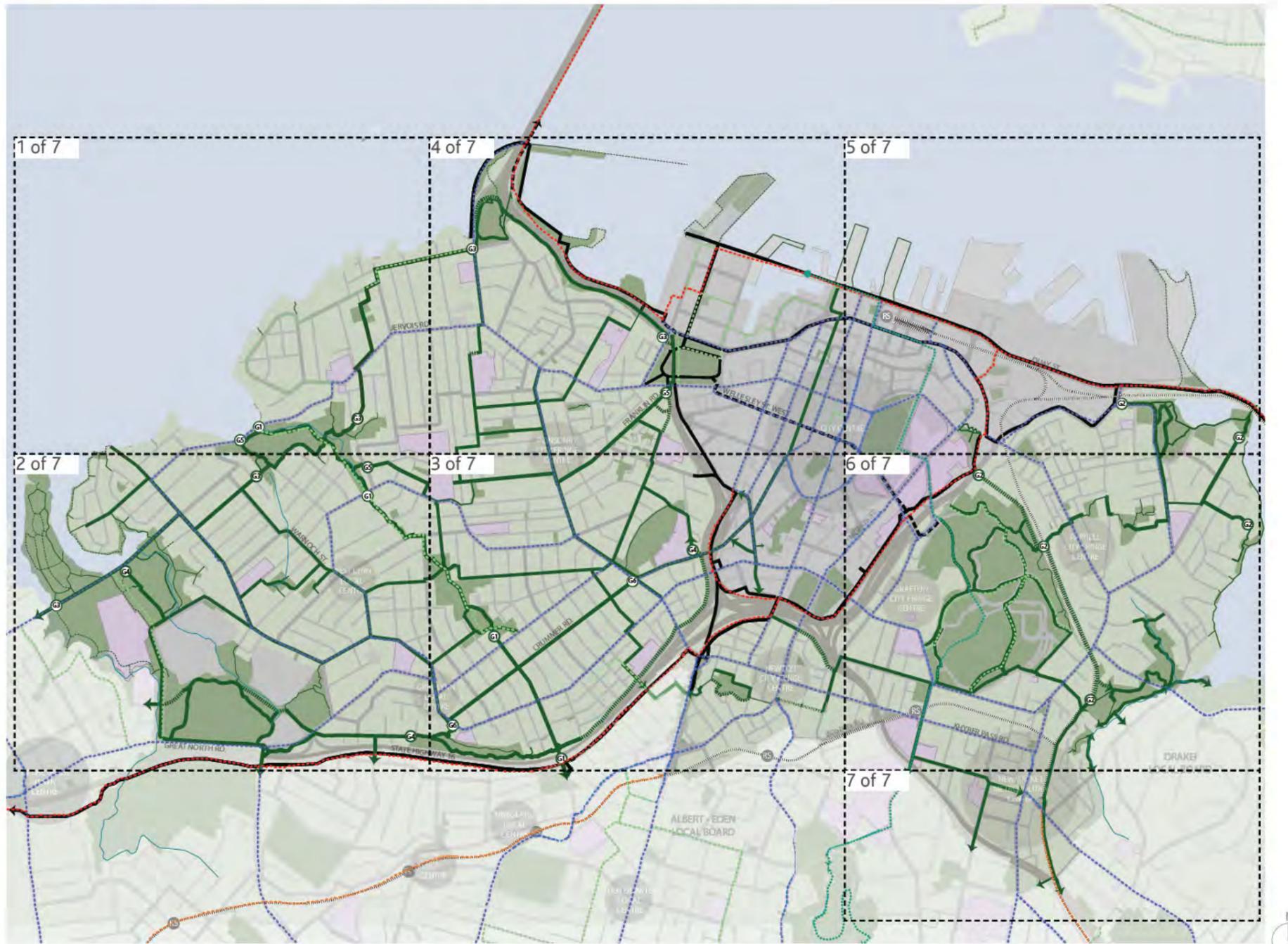
Walkways shown on this plan include existing and planned connections that will help to build the Greenways.



Note: Further investigation is needed to determine the feasibility of cycle access. Walking tracks are shown where cycling is thought to be unachievable.

3.5 Waitematā Greenways maps - showing all aspirational connections

3.5.1 Reference plan



map 1 map 4 map 5
 map 2 map 3 map 6
 Map reference grid: map 7

Legend:

<ul style="list-style-type: none"> Park and reserve land Road network including: motorways, arterial and minor roads Streams / rivers Schools and universities Railway and railway stations 'Coast to Coast' walk 	<p>Waitematā Greenways - Overall aspirational connections:</p> <p>Cycling / walking (alongside road network or within open space) </p> <ul style="list-style-type: none"> Route utilising existing paths (some upgrades required) Route to form new paths <p>Walking (within open space, alongside road network or coast) </p> <ul style="list-style-type: none"> Route utilising existing paths (some upgrade required) Route to form new paths 	<p>ACN and other recreational/connection projects:</p> <p>Draft Auckland Cycle Network (ACN) </p> <ul style="list-style-type: none"> Feeders Connectors Highways Highways 2030 <p>Other recreational/connection projects (approximate location)</p> <ul style="list-style-type: none"> Connection existing or in progress Desired connection 	<p>scale 1:30,000 @ A3</p>
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Note: Further investigation is needed to determine the feasibility of cycle access. Walking tracks are shown where cycling is thought to be unachievable.

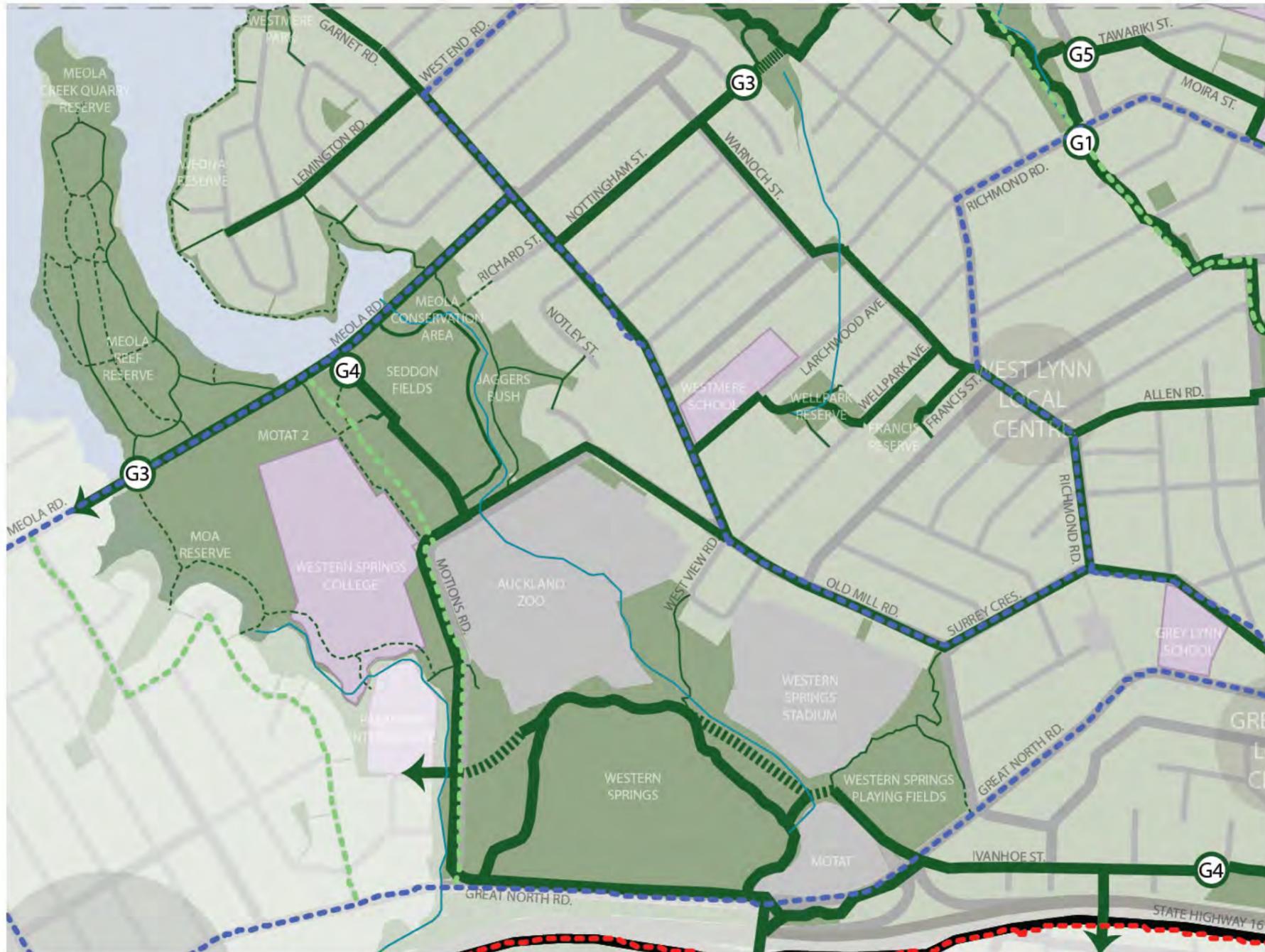
- map 1
- map 4
- map 5
- map 2
- map 3
- map 6
- map 7



Legend:

<ul style="list-style-type: none"> Park and reserve land Road network including; motorways, arterial and minor roads Streams / rivers Schools and universities Railway and railway stations 	<p>Waitemata Greenways - Overall aspirational connections:</p> <ul style="list-style-type: none"> Cycling / walking (alongside road network or within open space) Route utilising existing paths (some upgrades required) Route to form new paths <p>Walking (within open space, alongside road network or coast) </p> <ul style="list-style-type: none"> Route utilising existing paths (some upgrade required) Route to form new paths 	<p>ACN and other recreational/connection projects:</p> <ul style="list-style-type: none"> Draft Auckland Cycle Network (ACN) Feeders Connectors Highways Highways 2030 <p>Other recreational/connection projects (approximate location)</p> <ul style="list-style-type: none"> Connection existing or in progress Desired connection 	<p>scale 1:10,000 @ A3</p>
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Legend:

- Park and reserve land
- Road network including: motorways, arterial and minor roads
- Streams / rivers
- Schools and universities
- Railway and railway stations

Waitematā Greenways - Overall aspirational connections:

- Cycling / walking (alongside road network or within open space)**
- Route utilising existing paths (some upgrades required)
- Route to form new paths
- Walking (within open space, alongside road network or coast)**
- Route utilising existing paths (some upgrade required)
- Route to form new paths

ACN and other recreational/connection projects:

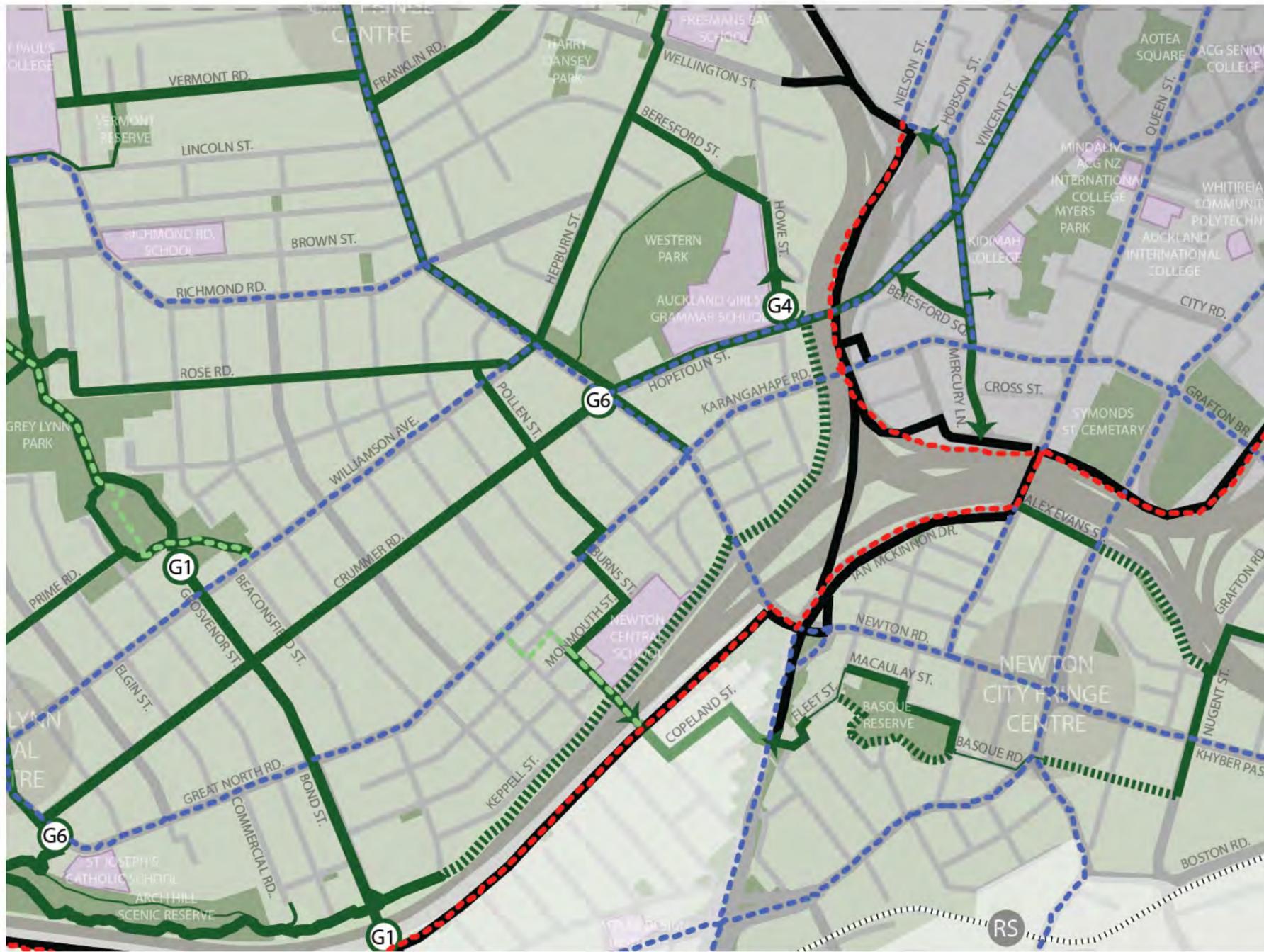
- Draft Auckland Cycle Network (ACN)**
- Feeders
- Connectors
- Highways
- Highways 2030
- Other recreational/connection projects (approximate location)**
- Connection existing or in progress
- Desired connection

scale 1:10,000 @ A3



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3.5.4 Map 3 of 7



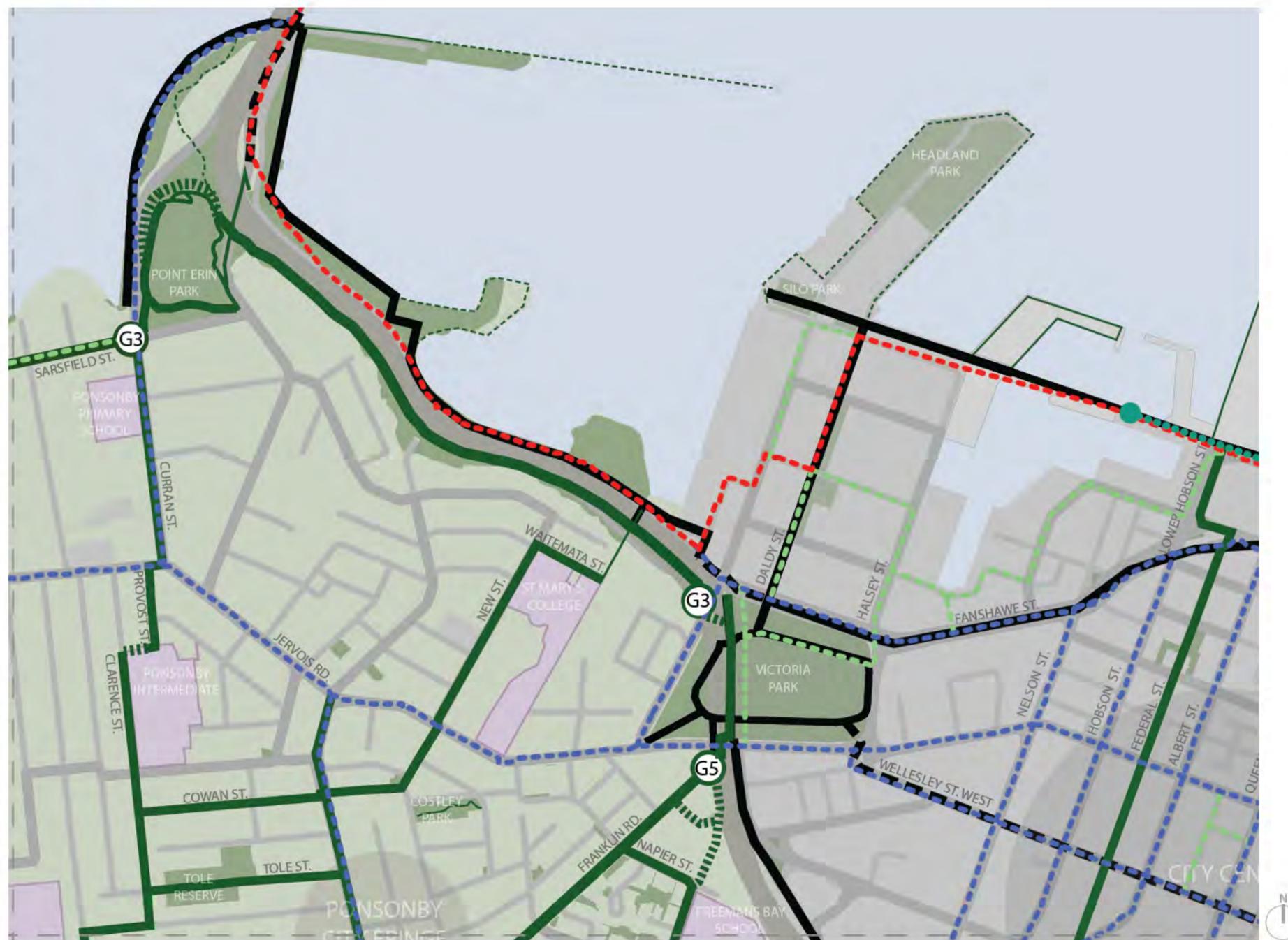
- map 1
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- map 5
- map 2
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- map 7

Legend:

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scale 1:10,000 @ A3

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Legend:

- Park and reserve land
- Road network including: motorways, arterial and minor roads
- Streams / rivers
- Schools and universities
- Railway and railway stations
- 'Coast to Coast' walk

Waitematā Greenways - Overall aspirational connections:

- Cycling / walking (alongside road network or within open space)**
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 - Route to form new paths

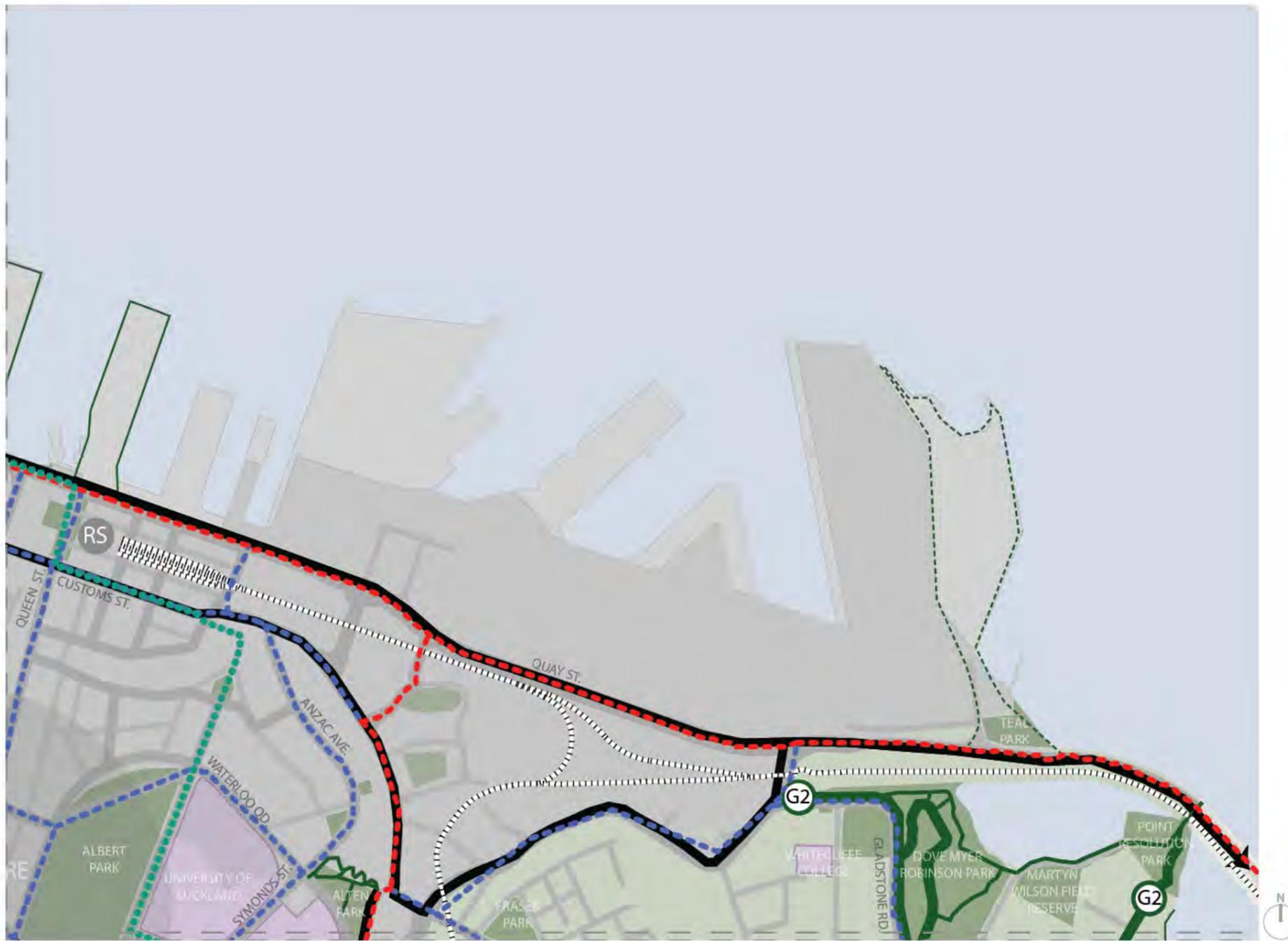
ACN and other recreational/connection projects:

- Draft Auckland Cycle Network (ACN)**
 - Feeders
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 - Highways
 - Highways 2030
- Other recreational/connection projects (approximate location)**
 - Connection existing or in progress
 - Desired connection

scale 1:10,000 @ A3

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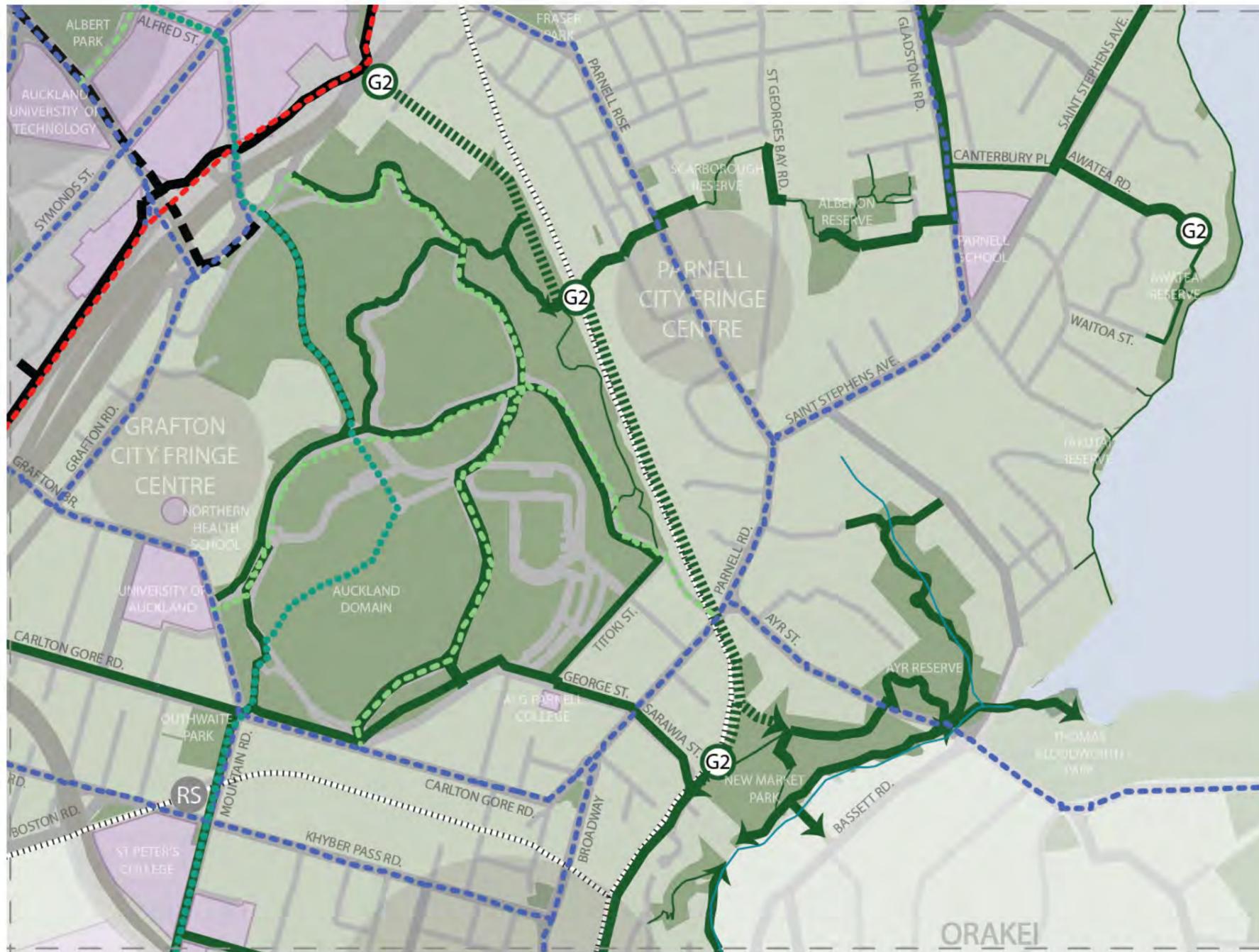
- map 1
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- Park and reserve land
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- Railway and railway stations
- 'Coast to Coast' walk

Waitematā Greenways - Overall aspirational connections:

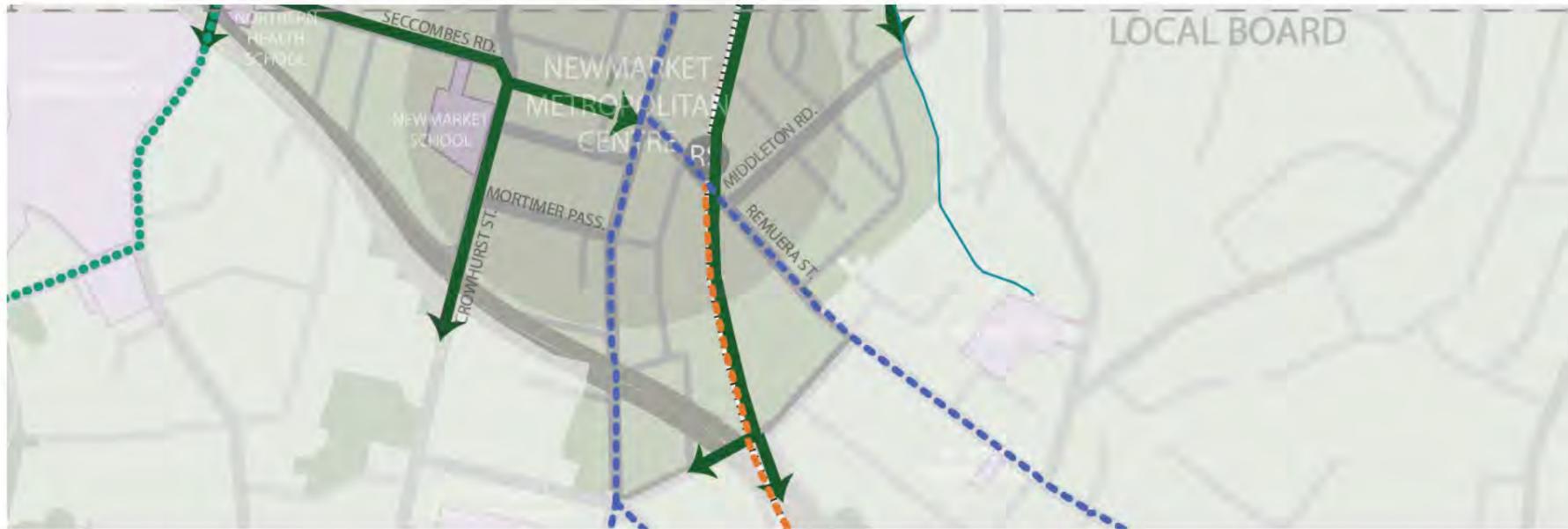
- Cycling / walking (alongside road network or within open space) 🚲
- Route utilising existing paths (some upgrades required)
- Route to form new paths
- Walking (within open space, alongside road network or coast) 🚶
- Route utilising existing paths (some upgrade required)
- Route to form new paths

ACN and other recreational/connection projects:

- Draft Auckland Cycle Network (ACN) 🚲
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scale 1:10,000 @ A3



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4.0 Future Development

Waitematā Greenways

4.1 Future development

The Waitematā Greenways Plan will be implemented overtime to achieve (in part) the outcomes envisaged in the Local Board Plan. Implementation of this plan will include the upgrade of existing walking and cycling connections (both on and off-road), as well as the creation of new connections within open space land, through designation areas, and/or via property easements.

Successful implementation of the plan requires co-ordination and commitment from the Waitematā Local Board, Auckland Council, Auckland Transport, as well as key related public/utility organisations such as the NZTA, KiwiRail, Watercare, Transpower and Vector.

Integration with the City Transformation Project will also be required as that project develops, and this may modify and update the Greenways Plan overtime.

The following section gives an overview over the future development and implementation of the Waitematā Greenways Plan over the next 10 years, including best practice for implementation, stakeholder involvement and funding availability, related case studies and the 10-year prioritisation strategy.

4.2 Best practice for implementation

Successful implementation of the Network Plan relies on a co-ordinated approach between Auckland Council's Parks Sports and Recreation, Stormwater and Community and Cultural Policy departments, as well as Auckland Transport. Future detailed planning shall take into consideration best practice guidelines, which include:

- Walking and Cycling Code of Practice (Auckland Transport, Draft)
- Stormwater Code of Practice (Stormwater Team, Draft)
- Parkland Design Guidelines (Community and Cultural Policy/PSR, Draft)

Related 'best practice' documents such as NZTA's 'Bridging the Gap – Urban Design Guidelines (Draft)', DoC's 'Caring for Archaeological Sites' report, and the Ministry of Justice's 'National Guidelines for Crime Prevention through Environmental Design (CPTED) in New Zealand' shall also be taken into account as designs develop, in addition to all relevant Unitary Plan controls and area-specific policies.

4.3 Stakeholder involvement and funding

Ongoing community engagement, stakeholder collaboration and partnerships are key to the successful implementation of the Waitematā Greenways.

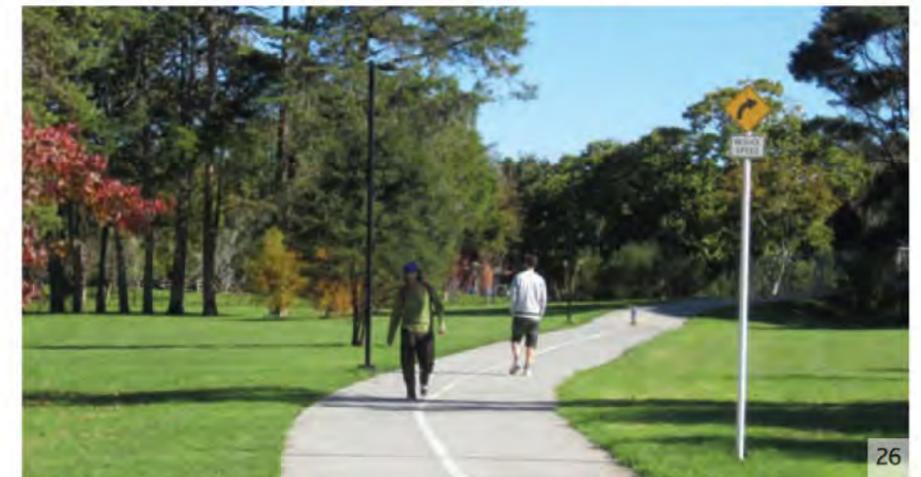
Likely stakeholders, other than those previously mentioned include:

- Neighbouring Local Board areas (Orakei and Albert-Eden)
- Iwi - Ngati Whatua, Ngati Paoa, Ngati Tamatera, Ngai Tai ki Tamaki, Te Kawerau a Maki, Ngati Tamauho, Te Akitai/Waiohua, Ngati te Ata, Ngati Whanaunga, Ngati Maru.
- Auckland Tourism, Events and Economic Development (ATEED)
- Cycle Action Auckland
- YES Disability
- Operators of community facilities, including schools
- Ministry of Education
- Department of Conservation
- Housing New Zealand
- Local residents and business associations
- Forest and Bird

Grass-roots community involvement is very important to ensure the ongoing success of the Greenways plan. Local knowledge-sharing and volunteering are needed to provide community ownership, care and responsibility. Community involvement could take the form of planting/weed clearance days, 'adopt a stream/street' groups, fundraising, lobbying and artistic input.

Funding has been allocated for roading improvements in the Board area in Auckland Council's Long Term Plan (LTP) for the next 10 years, and some of this will be used to implement the Greenways. Other funding avenues include Auckland Transport and the NZTA's regional cycleways fund. In addition the Local Board has planned open space projects to assist with implementation of the priority sections of this Plan.

The maps contained in Appendix - Section C, break down the prioritised projects in more detail, to setup for future planning and programming.



References

Waitematā Greenways

Image reference

Cover page

1. Auckland Council Stock Photo (2012). *Aerial photo looking towards the North Shore over the CBD from Grafton, Auckland.*

Page 7

2. Photographer - Krantz, Adele (2013). *Cox's Bay Reserve, Auckland. ID- 38-254346.*

Page 9

3. Auckland Council Design Team (2012). *Twin Streams Walk / Cycleway, West Auckland.*
4. Auckland Council Design Team (2012). *Twin Streams Walk / Cycleway, West Auckland.*
5. Auckland Council Design Team (2012). *Twin Streams Walk / Cycleway, West Auckland.*
6. Auckland Council Design Team (2012). *Twin Streams Walk / Cycleway, West Auckland.*
7. Auckland Council Stock Photo (2009). *Western Springs, Auckland - ID. 38-107266.*
8. Auckland Council Design Team (2012). *Road and walk / cycleway junction at the Twin Streams, West Auckland.*
9. Auckland Council Design Team (2012). *Cyclelanes, Sydney, Australia.*
10. Auckland Council Design Team (2012). *On road cycling on a minor road, Sydney, Australia.*
11. Photographer - Shimmin, Graeme (2013). *Cyclelanes in the city of Vancouver, Canada.*
12. Auckland Council Design Team (2012). *Raingarden alongside road network, Totara Avenue, New Lynn, West Auckland.*
13. Auckland Council Design Team (2012). *Textured surface at intersections to slow cyclists, Twin Streams, West Auckland.*
14. Auckland Council Design Team (2012). *Permeable paving on Twin Streams Walk / Cycleway, Twin Streams, West Auckland.*
15. Photographer - Scot, Bathgate (2012). *On-road cycling, local street, Vancouver, Canada.*
16. Auckland Council Design Team (2012). *Swales alongside road network, Totara Avenue, New Lynn, West Auckland.*
17. Auckland Council Design Team (2012). *Wetland Swale information board, Botanical Gardens, Manurewa.*
18. Auckland Council City Centre Masterplan (2012). *Nelson Street redundant off-ramp proposed visualisation.*

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19. Auckland Council Stock Photo (2012). *Aerial photo looking towards the North Shore over the CBD from Grafton, Auckland.*

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20. Auckland Council Stock Photo (2012). *Aerial photo looking over Westhaven Marina towards Auckland CBD.*

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21. Photographer - Farnworth, Jay (2013). *Waitemata Greenways public engagement event, Richmond Rovers Rugby League Club, Auckland. ID - 38-245237*

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22. Photographer - Farnworth, Jay (2013). *Waitemata Greenways public engagement event, Richmond Rovers Rugby League Club, Auckland. ID - 38-245200.*
23. Photographer - Farnworth, Jay (2013). *Waitemata Greenways public engagement event, Richmond Rovers Rugby League Club, Auckland. ID - 38-245188.*

Page 18

24. Auckland Council Stock Photo (2012). *Aerial photo looking over Point Resolution and Judges Bay towards Parnell.*

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25. Auckland Council Stock Photo (2008). *Children Planting Kauri Tree in Waitakere Ranges - ID. 38-145110.*
26. Auckland Council Design Team (2013). *Twin Streams Walk / Cycleway, West Auckland.*
27. Auckland Council Design Team (2013). *Twin Streams Walk / Cycleway network signage, West Auckland.*

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28. Auckland Council Stock Photo (2012). *Aerial photo looking over Judges bay towards Point Resolution Pedestrian Bridge.*

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29. Portland Development Commission, Lloyd Crossing Project (2050 Habitat Conditions)\
30. Portland Development Commission, Lloyd Crossing Project (Pre-Development Water Conditions)
31. Portland Development Commission, Lloyd Crossing Project (2004 Existing Water Conditions)
32. Portland Development Commission, Lloyd Crossing Project (2050 Per Plan Water Use Conditions)

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33. City Of Portland, Bureau of Environmental Services (Portland Greenways and Green Streets)
34. City Of Portland, Bureau of Environmental Services (Portland Greenways and Green Streets)
35. City Of Portland, Bureau of Environmental Services (Portland Greenways and Green Streets)
36. Environmental Services. City of Portland. Green Streets in Portland. Retrieved deom URL: <http://www.portlandonline.com/bes/index.cfm?a=209685&c=45379>

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37. Photographer - Jeff Brass (Jellicoe St)
38. Waterfront Auckland. Auckland Council (Artists Impression, Jellicoe Street)
39. Waterfront Auckland. Auckland Council (Artists Impression, Jellicoe Street)
40. Waterfront Auckland. Auckland Council (Artists Impression , Jellicoe Street)

41. Photographer - Jeff Brass (Jellicoe St)

42. Eye on Auckland (2012) Jellicoe Street, Wynyard Quarter. Retrieved from www.eyeonuckland.com

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Image 28: Aerial photo looking over Judges bay towards Point Resolution Pedestrian Bridge.