

Infrastructure, Transport and Environment Committee EXTRAORDINARY AGENDA

Notice of Meeting:

An extraordinary meeting of the Infrastructure, Transport and Environment Committee will be held on:

Date: Monday 25 February 2019
Time: 8.30am
Venue: Council Chambers, Civic Offices,
53 Hereford Street, Christchurch

Membership

Chairperson	Councillor Pauline Cotter
Deputy Chairperson	Councillor Mike Davidson
Members	Councillor Vicki Buck
	Councillor Phil Clearwater
	Councillor Anne Galloway
	Councillor Aaron Keown
	Councillor Tim Scandrett
	Councillor Sara Templeton

22 February 2019

Principal Advisor

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Note: The reports contained within this agenda are for consideration and should not be construed as Council policy unless and until adopted.
If you require further information relating to any reports, please contact the person named on the report.

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<https://www.ccc.govt.nz/the-council/meetings-agendas-and-minutes/>

Strategic Framework

The Council's Vision – Christchurch is a city of opportunity for all.

Open to new ideas, new people and new ways of doing things – a city where anything is possible.

Whiria ngā whenu o ngā papa Honoa ki te maurua tāukiuki

Bind together the strands of each mat
And join together with the seams of respect
and reciprocity.

The partnership with Papatipu Rūnanga
reflects mutual understanding and respect,
and a goal of improving the economic,
cultural, environmental and social
wellbeing for all.

Overarching Principle

Partnership – Our
people are our taonga
– to be treasured and
encouraged. By working
together we can create
a city that uses their
skill and talent, where
we can all participate,
and be valued.

Supporting Principles

Accountability	Collaboration
Affordability	Prudent Financial Management
Agility	Stewardship
Equity	Wellbeing and resilience
Innovation	Trust

Community Outcomes

What we want to achieve together as our city evolves

Strong communities

Strong sense of
community
Active participation in
civic life
Safe and healthy
communities
Celebration of our
identity through arts,
culture, heritage and
sport
Valuing the voices of
children and young
people

Liveable city

Vibrant and thriving
central city, suburban
and rural centres
A well connected and
accessible city
Sufficient supply of, and
access to, a range of
housing
21st century garden city
we are proud to live in

Healthy environment

Healthy waterways
High quality drinking
water
Unique landscapes and
indigenous biodiversity
are valued
Sustainable use of
resources

Prosperous economy

Great place for people,
business and investment
An inclusive, equitable
economy with broad-
based prosperity for all
A productive, adaptive
and resilient economic
base
Modern and robust
city infrastructure and
community facilities

Strategic Priorities

Our focus for improvement over the next three years and beyond

Enabling active citizenship and connected
communities

Maximising opportunities to develop a vibrant,
prosperous and sustainable 21st century city

Climate change
leadership

Informed and proactive
approaches to natural
hazard risks

Increasing active, public
and shared transport
opportunities and use

Safe and sustainable
water supply and
improved waterways

INFRASTRUCTURE, TRANSPORT AND ENVIRONMENT COMMITTEE - TERMS OF REFERENCE

Chair	Councillor Cotter
Membership	Councillor Davidson (Deputy Chair), Councillor Buck, Councillor Clearwater, Councillor Galloway, Councillor Keown, Councillor Scandrett and Councillor Templeton
Quorum	Half of the members if the number of members (including vacancies) is even, or a majority of members if the number of members (including vacancies) is odd.
Meeting Cycle	Monthly
Reports To	Council

Areas of Focus

The focus of the Infrastructure, Transport and Environment Committee is the governance of roading and transport, three waters, waste management, and natural hazards protection.

The Infrastructure, Transport and Environment Committee:

- Encourages opportunities for citizenship, community participation and community partnerships
- Works in partnerships with key agencies, groups and organisations
- Considers the impact of climate change in its decisions

The Infrastructure, Transport and Environment Committee considers and reports to Council on issues and activities relating to:

- Water supply, conservation and quality
- Stormwater drainage including the Land Drainage Recovery Programme
- Natural environment, including the waterways, aquifers, ecology and conservation of resources
- Natural hazards protection, including flood protection and river control
- Solid waste minimisation and disposals
- Sewage collection, treatment and disposal
- Roads, footpaths and streetscapes
- Transport including road operations, parking, public transport, cycle ways, harbours and marine structures consistent with Greater Christchurch Public Transport Joint Committee Terms of Reference

Delegations

The Committee delegates to the following working group the responsibility to consider and report back to the Committee:

- Land Drainage Working Group matters relating to the Land Drainage Recovery Programme, including opportunities for betterment.

Major Cycleway Route (MCR) Programme

At the Council meeting of 9 March 2017:

It was **resolved** that the Council:

1. Delegates to the Infrastructure, Transport and Environment Committee the authority to make all decisions in connection with the Major Cycleway Routes (MCR) programme, including final route selections and anything precedent to the exercise by the Council of its power to acquire any property, subject to:
 - a. The Infrastructure, Transport and Environment Committee and affected Community Boards being briefed prior to any public consultation commencing on any Major Cycleway Route project.
 - b. The relevant Community Board Chair(s) will be invited by the Infrastructure, Transport and Environment Committee to participate in the relevant Major Cycleway Route item discussion and give their Board's feedback or recommendations.
2. Notes and reconfirms Council's previous decision to designate the MCR programme a metropolitan project, as set out in the Council's resolutions on 29 January 2015.
 - 13.4 Agree to the Major Cycleway Route programme being declared a Metropolitan Programme and delegate to the Infrastructure, Transport and Environment Committee all decision making powers.

Christchurch Biodiversity Fund

At the Council meeting of 20 June 2017:

It was **resolved** that the Council:

5. Delegate authority to the Infrastructure, Transport and Environment Committee to consider and approve applications to the Christchurch Biodiversity Fund.

Part A	Matters Requiring a Council Decision
Part B	Reports for Information
Part C	Decisions Under Delegation

TABLE OF CONTENTS

C	1.	Apologies.....	6
B	2.	Declarations of Interest.....	6
B	3.	Deputations by Appointment.....	6
STAFF REPORTS			
C	4.	Major Cycleway, Heathcote Expressway, Section 1a detailed traffic resolutions and tree removals	7

1. Apologies

At the close of the agenda no apologies had been received.

2. Declarations of Interest

Members are reminded of the need to be vigilant and to stand aside from decision making when a conflict arises between their role as an elected representative and any private or other external interest they might have.

3. Deputations by Appointment

There were no deputations by appointment at the time the agenda was prepared.

4. Major Cycleway, Heathcote Expressway, Section 1a detailed traffic resolutions and tree removals

Reference: 19/191093

Presenter(s):

1. Purpose and Origin of Report

Purpose of Report

- 1.1 The purpose of this report is for the Infrastructure, Transport and Environment Committee to approve the detail traffic resolutions and changes made regarding tree removals for the Major Cycleway Heathcote Expressway, Section 1a.

Origin of Report

- 1.2 The Committee approved the Heathcote Expressway Section 1a on 21 September 2017. It was recommended that the detailed traffic resolutions required for the implementation of the route be bought back to the Committee for approval before construction phase. **Attachment A** contains the drawings that reflect the resolutions that are required to implement the scheme.
- 1.3 The resolution of the Infrastructure, Transport and Environment Committee meeting is recorded in ITEC/2017/00051, set out in section 3.1 of this report.

2. Staff Recommendations

That the Infrastructure, Transport and Environment Committee:

1. Make the following resolutions relying on its powers under the Christchurch City Council Traffic and Parking Bylaw 2008 and Part 21 of the Local Government Act 1974.
2. For the purposes of the following resolutions: (1) An intersection of roadways is defined by the position of kerbs on each intersecting roadway ; and (2) The resolution is to take effect from the commencement of physical road works associated with the project as detailed in this report; and (3) If the resolution states "Note 1 applies", any distance specified in the resolution relates the kerb line location referenced as exists on the road immediately prior to the Committee meeting of 21 September 2017; and (4) If the resolution states "Note 2 applies", any distance specified in the resolution relates the approved kerb line location on the road resulting from the Committee resolutions on the Major Cycleway Heathcote Expressway Section 1a report at the Committee meeting of 21 September 2017.
3. Approve the changes made regarding the removal of the identified trees to allow for the implementation of the approved scheme as outlined in Attachment B
4. Ferry Road (Fitzgerald Avenue to Western Extent of Project) – Existing Traffic Controls
 - a. Approve that all traffic controls on Ferry Road from its intersection with Fitzgerald Avenue to a point 60 metres west of this intersection be revoked. *Note 1 applies.*
5. Ferry Road (Fitzgerald Avenue to Western Extent of Project) – Existing Parking and Stopping Restrictions
 - a. Approve that all existing parking and stopping restrictions on Ferry Road from its intersection with Fitzgerald Avenue to a point 60 metres west of this intersection be revoked. *Note 1 applies.*
6. Ferry Road (Fitzgerald Avenue to Western Extent of Project) – New Traffic Controls

- a. Approve the road marking changes, kerb alignment changes, traffic island changes and road surface changes on Ferry Road, from its intersection with Fitzgerald Avenue to a point 60 metres west of this intersection as detailed on **Attachment A**. *Note 2 applies.*
 - b. Approve that a special vehicle lane for the use of westbound cycles only, be established on the southern side of Ferry Road, commencing at its intersection with Fitzgerald Avenue and extending in a westerly direction for a distance of 60 metres as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - c. Approve that a special vehicle lane for the use of eastbound cycles only, be established on the northern side of Ferry Road, commencing at a point 57 metres west of its intersection with Fitzgerald Avenue and extending in an easterly direction for a distance of 57 metres as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017, and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
7. Ferry Road (Fitzgerald Avenue to Western Extent of Project) – New Parking and Stopping Restrictions
 - a. Approve that the stopping of vehicles be prohibited at any time on the south side of Ferry Road, commencing at its intersection with Fitzgerald Avenue and extending in a westerly direction for a distance of 60 metres. *Note 2 applies.*
 - b. Approve that the stopping of vehicles be prohibited at any time on the north side of Ferry Road, commencing at its intersection with Fitzgerald Avenue and extending in a westerly direction for a distance of 57 metres. *Note 2 applies.*
8. Fitzgerald Avenue (Ferry Road to Leeds Street) – Existing Traffic Controls
 - a. Approve that all existing traffic controls on Fitzgerald Avenue from its intersection with Ferry Road to its intersection with Leeds Street be revoked. *Note 1 applies.*
9. Fitzgerald Avenue (Ferry Road to Leeds Street) – Existing Parking and Stopping Restrictions
 - a. Approve that all existing parking and stopping restrictions on Fitzgerald Avenue from its intersection with Ferry Road to its intersection with Leeds Street be revoked. *Note 1 applies.*
10. Fitzgerald Avenue (Ferry Road to Leeds Street) – New Traffic Controls
 - a. Approve the road marking changes, kerb alignment changes, traffic island changes and road surface changes on Fitzgerald Avenue, from its intersection with Ferry Road to its intersection with Leeds Street as detailed on **Attachment A**. *Note 2 applies.*
 - b. Approve that a special vehicle lane for the use of northbound cycles only, be established on the western side of Fitzgerald Avenue, commencing at its intersection with Ferry Road and extending in a northerly direction for a distance of 44 metres as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
11. Fitzgerald Avenue (Ferry Road to Leeds Street) – New Parking and Stopping Restrictions
 - a. Approve that the stopping of vehicles be prohibited at any time on the western side of Fitzgerald Avenue, commencing at its intersection with Ferry Road and extending in a northerly direction for a distance of 16 metres. *Note 2 applies.*
 - b. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the western side of Fitzgerald Avenue, commencing at a point 15 metres north of its

- intersection with Ferry Road, and extending in a northerly direction for a distance of 33 metres. This restriction is to apply Monday to Sunday between the hours of 8am to 6pm. *Note 2 applies.*
- c. Approve that the stopping of vehicles be prohibited at any time on the east side Fitzgerald Avenue, commencing at its intersection with Ferry Road and extending in a northerly direction to its intersection with Leeds Street. *Note 2 applies.*
12. Fitzgerald Avenue (Ferry Road to Southern Extent of Project) – Existing Traffic Controls
- a. Approve that all existing traffic controls on Fitzgerald Avenue from its intersection with Ferry Road to a point 60 metres south of this intersection be revoked. *Note 1 applies.*
13. Fitzgerald Avenue (Ferry Road to Southern Extent of Project) – Existing Parking and Stopping Restrictions
- a. Approve that all existing parking and stopping restrictions on Fitzgerald Avenue from its intersection with Ferry Road to a point 60 metres south of this intersection be revoked. *Note 1 applies.*
14. Fitzgerald Avenue (Ferry Road to Southern Extent of Project) – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes, traffic island changes and road surface changes on Fitzgerald Avenue, from its intersection with Ferry Road to a point 60 metres south of this intersection as detailed on **Attachment A**. *Note 2 applies.*
- b. Approve that a special vehicle lane for the use of south bound cycles only, be established on the eastern side of Fitzgerald Avenue, commencing at its intersection with Ferry Road and extending in a southerly direction for a distance of 22 metres as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
15. Fitzgerald Avenue (Ferry Road to Southern Extent of Project) – New Parking and Stopping Restrictions
- a. Approve that the stopping of vehicles be prohibited at any time on the west side of Fitzgerald Avenue, commencing at its intersection with Ferry Road and extending in a southerly direction for a distance of 42 metres. *Note 2 applies.*
- b. Approve that the stopping of vehicles be prohibited at any time on the east side of Fitzgerald Avenue, commencing at its intersection with Ferry Road and extending in a southerly direction for a distance of 22 metres. *Note 2 applies.*
- c. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the western side of Fitzgerald Avenue, commencing at a point 68 metres south of its intersection with Ferry Road, and extending in a northerly direction for a distance of 26 metres. This restriction is to apply Monday to Sunday between the hours of 8am to 6pm. *Note 2 applies.*
- d. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the eastern side of Fitzgerald Avenue, commencing at a point 22 metres south of its intersection with Ferry Road, and extending in a southerly direction for a distance of 46 metres. This restriction is to apply Monday to Sunday between the hours of 8am to 6pm. *Note 2 applies.*
16. Ferry Road / Fitzgerald Avenue Intersection – Existing Traffic Controls
- a. Approve that all traffic controls including traffic signals at the intersection of Ferry Road and Fitzgerald Avenue be revoked.

17. Ferry Road / Fitzgerald Avenue Intersection – New Traffic Controls
 - a. Approve the road marking changes, kerb alignment changes and road surface changes at the intersection of Ferry Road and Fitzgerald Avenue as detailed on **Attachment A**.
 - b. Approve that the intersection of Ferry Road and Fitzgerald Avenue be controlled by traffic signals in accordance with the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed on **Attachment A**.
 - c. Approve that right turn movement for all motorised vehicles, including cycles be prohibited from the Ferry Road west approach into Fitzgerald Avenue.
 - d. Approve that right turn movement for all motorised vehicles, including cycles be prohibited from the Fitzgerald Avenue north approach into Ferry Road.
18. Ferry Road (Fitzgerald Avenue to Phillips Street and Lancaster Street) – Existing Traffic Controls
 - a. Approve that all traffic controls on Ferry Road from its intersection with Fitzgerald Avenue and to its intersection with Phillips Street on the north side and Lancaster Street on the south side be revoked. *Note 1 applies.*
19. Ferry Road (Fitzgerald Avenue to Phillips Street and Lancaster Street) – Existing Parking and Stopping Restrictions
 - a. Approve that all existing parking and stopping restrictions on Ferry Road from its intersection with Fitzgerald Avenue to its intersection with Phillips Street on the north side and Lancaster Street on the south side be revoked. *Note 1 applies.*
20. Ferry Road (Fitzgerald Avenue to Phillips Street and Lancaster Street) – New Traffic Controls
 - a. Approve the road marking changes, kerb alignment changes, traffic island changes and road surface changes on Ferry Road, from its intersection with Fitzgerald Avenue to its intersection with Phillips Street on the north side and Lancaster Street on the south side as detailed on **Attachment A**. *Note 2 applies.*
 - b. Approve that a special vehicle lane for the use of eastbound cycles only, be established on the northern side of Ferry Road, commencing at its intersection with Ferry Road and extending in an easterly direction to its intersection with Phillips Street as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017, and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - c. Approve that a special vehicle lane for the use of westbound cycles only, be established on the southern side of Ferry Road, commencing at its intersection with Lancaster Street and extending in a westerly direction to its intersection with Fitzgerald Avenue as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017, and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
21. Ferry Road (Fitzgerald Avenue to Phillips Street and Lancaster Street) – New Parking and Stopping Restrictions
 - a. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at its intersection with Fitzgerald Avenue and extending in an easterly direction for a distance of 53 metres. *Note 2 applies.*
 - b. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 53 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 10 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*

- c. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 63 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 14 metres. *Note 2 applies.*
- d. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 77 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 10 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- e. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 87 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 16 metres. *Note 2 applies.*
- f. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 103 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 5 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- g. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 108 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 18 metres. *Note 2 applies.*
- h. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 126 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 21 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- i. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 147 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 13 metres. *Note 2 applies.*
- j. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 160 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 10 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- k. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 170 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 33 metres. *Note 2 applies.*
- l. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 203 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 22 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*

Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at its intersection with Phillips Street and extending in a westerly direction for a distance of 25 metres. *Note 2 applies.*

Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 25 metres west of its intersection with Phillips street, and extending in a westerly direction for a distance of 5 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*

- m. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 30 metres west of its intersection with Phillips street, and extending in a westerly direction for a distance of 18 metres. *Note 2 applies.*
- n. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 83 metres. *Note 2 applies.*
- o. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 83 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 22 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- p. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 105 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 14 metres. *Note 2 applies.*
- q. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 119 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 10 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- r. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 129 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 11 metres. *Note 2 applies.*
- s. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 140 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 10 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- t. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 150 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 43 metres. *Note 2 applies.*
- u. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 193 metres east of its intersection with Fitzgerald Avenue, and extending in an easterly direction for a distance of 10 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- v. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 70 metres west of its intersection with Lancaster Street, and extending in a westerly direction for a distance of 25 metres. *Note 2 applies.*
- w. Approve that the parking of vehicles be restricted to vehicles displaying a valid mobility parking permit on the southern side of Ferry Road, commencing at a point 64 metres west of its intersection with Lancaster Street, and extending in a westerly direction for a distance of 6 metres. *Note 2 applies.*
- x. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 59 metres west of its intersection with Lancaster Street, and extending in a westerly direction for a distance of 5 metres. *Note 2 applies.*

- y. Approve that a bus stop be established on the southern side of Ferry Road commencing at a distance 45 metres west of its intersection with Lancaster Street, and extending in a westerly direction for a distance of 14 metres. *Note 2 applies.*
 - z. Approve that the stopping of westbound vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 20 metres west of its intersection with Lancaster Street, and extending in a westerly direction for a distance of 25 metres. *Note 2 applies.*
 - aa. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 15 metres west of its intersection with Lancaster Street, and extending in a westerly direction for a distance of 5 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
 - bb. Approve that the stopping of vehicles be prohibited at any time on Ferry Road, commencing at its intersection with Lancaster Street and extending in a westerly direction for a distance of 15 metres. *Note 2 applies.*
22. Ferry Road / Phillips Street Intersection – Existing Traffic Controls
- a. Approve that all existing traffic controls at the intersection of Ferry Road and Phillips Street be revoked.
23. Ferry Road / Phillips Street Intersection – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes and road surface changes at the intersection of Ferry Road and Phillips Street as detailed on **Attachment A**.
 - b. Approve that a Give-Way control be placed against the Phillips Street southbound approach to its intersection with Ferry Road as detailed on **Attachment A**.
24. Phillips Street (Ferry Road to Northern Extent of the Project) – Existing Traffic Controls
- a. Approve that all traffic controls on Phillips Street from its intersection with Ferry Road to a point 10 metres north of this intersection be revoked. *Note 1 applies.*
25. Phillips Street (Ferry Road to Northern Extent of the Project) – Existing Parking and Stopping Restrictions
- a. Approve that all existing parking and stopping restrictions on western side of Phillips Street, commencing at its intersection with Ferry Road to a point 29 metres north of this intersection be revoked. *Note 1 applies.*
 - b. Approve that all existing parking and stopping restrictions on eastern side of Phillips Street, commencing at its intersection with Ferry Road to a point 34 metres north of this intersection be revoked. *Note 1 applies.*
26. Phillips Street (Ferry Road to Northern Extent of the Project) – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes and road surface changes on Phillips Street, from its intersection with Ferry Road to a point 10 metres north of this intersection as detailed on **Attachment A**. *Note 2 applies.*
27. Phillips Street (Ferry Road to Northern Extent of the Project) – New Parking and Stopping Restrictions
- a. Approve that the stopping of vehicles be prohibited at any time on the western side of Phillips street, commencing at its intersection with Ferry Road, and extending in a northerly direction for a distance of 10 metres. *Note 2 applies.*
 - b. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the western side of Phillips street, commencing at a point 10 metres north of its

- intersection with Ferry Road, and extending in a northerly direction for a distance of 19 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- c. Approve that the stopping of vehicles be prohibited at any time on the eastern side of Phillips street, commencing at its intersection with Ferry Road, and extending in a northerly direction for a distance of 14 metres. *Note 2 applies.*
 - d. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the eastern side of Phillips street, commencing at a point 14 metres north of its intersection with Ferry road, and extending in a northerly direction for a distance of 20 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
28. Ferry Road / Lancaster Street Intersection – Existing Traffic Controls
- a. Approve that all existing traffic controls at the intersection of Ferry Road and Lancaster Street be revoked.
29. Ferry Road / Lancaster Street Intersection – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes and road surface changes at the intersection of Ferry Road and Lancaster Street as detailed on **Attachment A**.
 - b. Approve that a Give-Way control be placed against the Lancaster Street northbound approach to its intersection with Ferry Road as detailed on **Attachment A**.
30. Lancaster Street (Ferry Road to Southern Extent of Project) – Existing Traffic Controls
- a. Approve that all traffic controls on Lancaster Street from its intersection with Ferry Road to a point 22 metres south of this intersection be revoked. *Note 1 applies.*
31. Lancaster Street (Ferry Road to Southern Extent of Project) – Existing Parking and Stopping Restrictions
- a. Approve that all existing parking and stopping restrictions on Lancaster Street from its intersection with Ferry Road to a point 22 metres south of this intersection be revoked. *Note 1 applies.*
32. Lancaster Street (Ferry Road to Southern Extent of Project) – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes and road surface changes on Lancaster Street, from its intersection with Ferry Road to a point 22 metres south of this intersection as detailed on **Attachment A**. *Note 2 applies.*
33. Lancaster Street (Ferry Road to Southern Extent of Project) – New Parking and stopping Restrictions
- a. Approve that the stopping of vehicles be prohibited at any time on the western side of Lancaster Street, commencing at its intersection with Ferry Road and extending in a southerly direction for a distance of 22 metres. *Note 2 applies.*
 - b. Approve that the stopping of vehicles be prohibited at any time on the eastern side of Lancaster Street, commencing at its intersection with Ferry Road and extending in a southerly direction for a distance of 22 metres. *Note 2 applies.*
34. Ferry Road (Phillips Street to Nursery Road and Lancaster Street to Moorhouse Avenue) – Existing Traffic Controls
- a. Approve that all traffic controls on Ferry Road from its intersections with Phillips Street on the north side and Lancaster Street on the south side and extending in an easterly direction to its intersections with Nursery Road on the north side and Moorhouse Avenue on the south side be revoked.

35. Ferry Road (Phillips Street to Nursery Road and Lancaster Street to Moorhouse Avenue) – Existing Parking and Stopping Restrictions
- Approve that all existing parking and stopping restrictions for vehicles on Ferry Road from its intersections with Phillips Street on the north side and Lancaster Street on the south side and extending in an easterly direction to its intersections with Nursery Road on the north side and Moorhouse Avenue on the south side be revoked.
36. Ferry Road (Phillips Street to Nursery Road and Lancaster Street to Moorhouse Avenue) – New Traffic Controls
- Approve the road marking changes, kerb alignment changes, traffic island changes and new road surface changes on Ferry Road from its intersections with Phillips Street on the north side and Lancaster Street on the south side and extending in an easterly direction to its intersections with Nursery Road on the north side and Moorhouse Avenue on the south side as detailed on **Attachment A**.
 - Approve that a special vehicle lane for the use of eastbound cycles only, be established on the northern side of Ferry Road, commencing at its intersection with Phillips Street and extending in an easterly direction to its intersection with Nursery Road as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - Approve that a special vehicle lane for the use of westbound cycles only, be established on the southern side of Ferry Road, commencing at its intersection with Moorhouse Avenue and extending in a westerly direction to its intersection with Lancaster Street as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - Approve that a pedestrian crossing be established across the eastbound cycle lane on the northern side of Ferry Road at a point 24 metres east of its intersection with Phillips Street as detailed on **Attachment A**. *Note 2 applies.*
 - Approve that a pedestrian crossing be established across the eastbound cycle lane on the northern side of Ferry Road at a point 32 metres east of its intersection with Phillips Street as detailed on **Attachment A**. *Note 2 applies.*
 - Approve that a bi-directional shared path for cyclists and pedestrians be established on the southern side of Ferry Road commencing at its intersection with Moorhouse Avenue and extending in a north westerly direction for a distance of 15 metres in accordance with sections 11.4 of the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed in Attachment A.
37. Ferry Road (Phillips Street to Nursery Road and Lancaster Street to Moorhouse Avenue) – New Parking and Stopping Restrictions
- Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at its intersection with Phillips Street and extending in an easterly direction for a distance of 19 metres. *Note 2 applies.*
 - Approve that a bus stop be established on the northern side of Ferry Road commencing at a distance 19 metres east of its intersection with Phillips Street, and extending in an easterly direction for a distance of 14 metres. *Note 2 applies.*
 - Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 33 metres east of its intersection with Phillips Street, and extending in an easterly direction for a distance of 28 metres. *Note 2 applies.*

- d. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 61 metres east of its intersection with Phillips Street, and extending in an easterly direction for a distance of 5 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- e. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 66 metres east of its intersection with Phillips Street, and extending in an easterly direction for a distance of 14 metres. *Note 2 applies.*
- f. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 80 metres east of its intersection with Phillips Street, and extending in an easterly direction for a distance of 10 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- g. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at a point 90 metres east of its intersection with Phillips Street, and extending in an easterly direction for a distance of 32 metres. *Note 2 applies.*
- h. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the northern side of Ferry Road, commencing at a point 122 metres east of its intersection with Phillips Street, and extending in an easterly direction for a distance of 16 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- i. Approve that the stopping of vehicles be prohibited at any time on the north side of Ferry Road, commencing at a point 138 metres east of its intersection with Phillips Street, and extending in an easterly direction to its intersection with Nursery Road. *Note 2 applies.*
- j. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at its intersection with Lancaster Street and extending in an easterly direction for a distance of 25 metres. *Note 2 applies.*
- k. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 25 metres east of its intersection with Lancaster Street, and extending in an easterly direction for a distance of 5 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- l. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 30 metres east of its intersection with Lancaster Street, and extending in an easterly direction for a distance of 25 metres. *Note 2 applies.*
- m. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 55 metres east of its intersection with Lancaster Street, and extending in an easterly direction for a distance of 5 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
- n. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 60 metres east of its intersection with Lancaster Street, and extending in an easterly direction for a distance of 15 metres. *Note 2 applies.*
- o. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 75 metres east of its intersection with Lancaster Street, and extending in an easterly direction for a distance of 5 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*

- p. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 80 metres east of its intersection with Lancaster Street, and extending in an easterly direction for a distance of 15 metres. *Note 2 applies.*
 - q. Approve that the parking of vehicles be restricted to a maximum period of 60 minutes on the southern side of Ferry Road, commencing at a point 95 metres east of its intersection with Lancaster Street, and extending in an easterly direction for a distance of 22 metres. This restriction is to apply Monday to Saturday between the hours of 8am to 6pm. *Note 2 applies.*
 - r. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at a point 117 metres east of its intersection with Lancaster Street, and extending in an easterly direction to its intersection with Moorhouse Avenue. *Note 2 applies.*
38. Ferry Road / Nursery Road Intersection – Existing Traffic Controls
- a. Approve that all existing traffic controls at the intersection of Ferry Road and Nursery Road be revoked.
39. Ferry Road / Nursery Road Intersection – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes, traffic islands and road surface changes at the intersection of Ferry Road and Nursery Road as detailed on **Attachment A**.
 - b. Approve that a Give-Way control be placed against the Nursery Road southbound approach to its intersection with Ferry Road as detailed on **Attachment A**.
40. Nursery Road (Ferry Road to Northern Extent of the Project) – Existing Traffic Controls
- a. Approve that all traffic controls on Nursery Road from its intersection with Ferry Road to a point 20 metres north of this intersection be revoked. *Note 1 applies.*
41. Nursery Road (Ferry Road to Northern Extent of the Project) – Existing Parking and Stopping Restrictions.
- a. Approve that all existing parking and stopping restrictions on Nursery Road from its intersection with Ferry Road and to a point 20 metres north of this intersection be revoked. *Note 1 applies.*
42. Nursery Road (Ferry Road to Northern Extent of the Project) – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes, traffic island changes and road surface changes on Nursery Road, from its intersection with Ferry Road to a point 20 metres north of this intersection as detailed on **Attachment A**. *Note 2 applies.*
43. Nursery Road (Ferry Road to Northern Extent of the Project) – New Parking and Stopping Restrictions
- a. Approve that the stopping of vehicles be prohibited at any time on the western side of Nursery Road, commencing at its intersection with Ferry Road and extending in a northerly direction for a distance of 20 metres. *Note 2 applies.*
 - b. Approve that the stopping of vehicles be prohibited at any time on the eastern side of Nursery Road, commencing at its intersection with Ferry Road and extending in a northerly direction for a distance of 20 metres. *Note 2 applies.*
44. Ferry Road (Nursery Road to Ferry Road) – Existing Traffic Controls
- a. Approve that all traffic controls on Ferry Road from its intersection with Nursery Road to its intersection with Ferry Road (east) / Moorhouse Avenue be revoked. *Note 1 applies.*

45. Ferry Road (Nursery Road to Ferry Road) – Existing Parking and Stopping Restrictions
 - a. Approve that all existing parking and stopping restrictions for vehicles on Ferry Road from its intersection with Nursery Road to its intersection with Ferry Road (east) / Moorhouse Avenue be revoked. *Note 1 applies.*
46. Ferry Road (Nursery Road to Ferry Road) – New Traffic Controls
 - a. Approve the road marking changes, kerb alignment changes and road surface changes on Ferry Road from its intersection with Nursery Road to its intersection with Ferry Road (east) / Moorhouse Avenue as detailed on **Attachment A**.
 - b. Approve that a bi-directional shared path for cyclists and pedestrians be established on the northern side of Ferry Road commencing at its intersection with Nursery Road and extending in a south easterly direction to its intersection with Ferry Road (east) / Moorhouse Avenue in accordance with sections 11.4 of the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed in Attachment A.
47. Ferry Road (Nursery Road to Ferry Road) – New Parking and Stopping Restrictions
 - a. Approve that the stopping of vehicles be prohibited at any time on Ferry Road, commencing at its intersection with Nursery Road and extending to its intersection with Ferry Road (east) / Moorhouse Avenue.
48. Ferry Road / Moorhouse Avenue / Wilsons Road Intersection – Existing Traffic Controls
 - a. Approve that all traffic controls including traffic signals at the intersection of Ferry Road, Moorhouse Avenue and Wilsons Road be revoked.
49. Ferry Road / Moorhouse Avenue / Wilsons Road Intersection – New Traffic Controls
 - a. Approve the road marking changes, kerb alignment changes and road surface changes at the intersection of Ferry Road, Moorhouse Avenue and Wilsons Road as detailed on **Attachment A**.
 - b. Approve that the intersection of Ferry Road, Moorhouse Avenue and Wilsons Road be controlled by traffic signals in accordance with the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed on **Attachment A**.
50. Moorhouse Avenue (Ferry Road to Western Extent of Project) – Existing Traffic Controls
 - a. Approve that all traffic controls on Moorhouse Avenue from its intersection with Wilsons Road to a point 42 metres west of this intersection be revoked. *Note 1 applies.*
51. Moorhouse Avenue (Ferry Road to Western Extent of Project) – Existing parking and Stopping Restrictions.
 - a. Approve that all existing parking and stopping restrictions on Moorhouse Avenue from its intersection with Wilsons Road to a point 42 metres west of this intersection be revoked. *Note 1 applies.*
52. Moorhouse Avenue (Ferry Road to Western Extent of Project) – New Traffic Controls
 - a. Approve the road marking changes, kerb alignment changes, traffic islands and road surface changes on Moorhouse Avenue from its intersection with Wilsons Road to a point 42 metres west of this intersection as detailed on **Attachment A**. *Note 2 applies.*
53. Moorhouse Avenue (Ferry Road to Western Extent of Project) – New Parking and Stopping Restrictions
 - a. Approve that the stopping of vehicles be prohibited at any time on the northern side of Moorhouse Avenue, commencing at its intersection with Ferry Road and extending in a westerly direction for a distance of 28 metres. *Note 2 applies.*

- b. Approve that the stopping of vehicles be prohibited at any time on the southern side of Moorhouse Avenue, commencing at its intersection with Wilson Road and extending in a westerly direction for a distance of 27 metres. *Note 2 applies.*
- 54. Ferry Road (Wilsons Road to Eastern Extent of Project) – Existing Traffic Controls
 - a. Approve that all traffic controls on Ferry Road from its intersection with Wilson Road to a point 54 metres east of this intersection be revoked. *Note 1 applies.*
- 55. Ferry Road (Wilsons Road to Eastern Extent of Project) – Existing Parking and Stopping Restrictions
 - a. Approve that all existing parking and stopping restrictions for vehicles on Ferry Road from its intersection with Wilson Road to a point 54 metres east of this intersection be revoked. *Note 1 applies.*
- 56. Ferry Road (Wilsons Road to Eastern Extent of Project) – New Traffic Controls
 - a. Approve the road marking changes, kerb alignment changes, traffic islands and road surface changes on Ferry Road, from its intersection with Wilson Road to a point 54 metres east of this intersection as detailed on **Attachment A**. *Note 1 applies.*
 - b. Approve that a special vehicle lane for the use of eastbound cycles only, be established on the northern side of Ferry Road, commencing at its intersection with Ferry Road (west) and extending in an easterly direction for a distance of 70 metres as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - c. Approve that a special vehicle lane for the use of westbound cycles only, be established on the southern side of Ferry Road, commencing at a point 54 metres east of its intersection with Wilsons Road and extending in a westerly direction for a distance of 54 metres as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
- 57. Ferry Road (Wilsons Road to Eastern Extent of Project) – New Parking and Stopping Restrictions
 - a. Approve that the stopping of vehicles be prohibited at any time on the northern side of Ferry Road, commencing at its intersection with Ferry Road (west) and extending in an easterly direction for a distance of 70 metres. *Note 2 applies.*
 - b. Approve that the stopping of vehicles be prohibited at any time on the southern side of Ferry Road, commencing at its intersection with Wilsons Road and extending in an easterly direction for a distance of 42 metres. *Note 2 applies.*
- 58. Wilsons Road (Moorhouse Avenue to Stevens Street) – Existing Traffic Controls
 - a. Approve that all existing traffic controls on Wilsons Road from its intersection with Ferry Road / Moorhouse Avenue to its intersection with Stevens Street be revoked.
- 59. Wilsons Road (Moorhouse Avenue to Stevens Street) – Existing Parking and Stopping Restrictions
 - a. Approve that all existing parking and stopping restrictions for vehicles on Wilsons Road from its intersection with Ferry Road / Moorhouse Avenue to its intersection with Stevens Street be revoked.
- 60. Wilsons Road (Moorhouse Avenue to Stevens Street) – New Traffic Controls

- a. Approve the road marking changes, kerb alignment changes, traffic islands and road surface changes on Wilsons Road, from its intersection with Ferry Road / Moorhouse Avenue to its intersection with Stevens Street as detailed on **Attachment A**.
 - b. Approve that a special vehicle lane for the use of southbound cycles only, be established on the eastern side of Wilsons Road, commencing at its intersection with Ferry Road and extending in southerly direction to its intersection with Stevens Street as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles.
 - c. Approve that a bi-directional shared path for cyclists and pedestrians be established on the western side of Wilsons Road commencing at its intersection with Moorhouse Avenue and extending in a southerly direction for a distance of 24 metres in accordance with sections 11.4 of the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed in Attachment A. *Note 2 applies*.
 - d. Approve that a special vehicle lane for the use of northbound cycles only, be established on the western side of Wilsons Road, commencing at its intersection with Stevens Street and extending in northerly direction to a point 24 metres south of its intersection with Moorhouse Avenue as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies*.
61. Wilsons Road (Moorhouse Avenue to Stevens Street) – New Parking and Stopping Restrictions
- a. Approve that the stopping of vehicles be prohibited at any time on both sides of Wilsons Road, commencing at its intersection with Moorhouse Avenue and extending to its intersection with Stevens Street.
62. Stevens Street / Wilsons Road Intersection – Existing Traffic Controls
- a. Approve that all existing traffic controls at the intersection of Stevens Street and Wilsons Road be revoked.
63. Stevens Street / Wilsons Road Intersection – New Traffic controls
- a. Approve the road marking changes, kerb alignment changes, traffic islands and road surface changes at the intersection of Stevens Street and Wilsons Road as detailed on **Attachment A**.
 - b. Approve that a Give-Way control be placed against the Stevens Street eastbound approach to its intersection with Wilsons Road as detailed on **Attachment A**.
64. Stevens Street (Wilsons Road to Western Extent of Project) – Existing Traffic Controls
- a. Approve that all traffic controls on Stevens Street from its intersection with Wilsons Road to a point 28 metres west of this intersection be revoked. *Note 1 applies*.
65. Stevens Street (Wilsons Road to Western Extent of Project) – Existing Parking and Stopping Restrictions.
- a. Approve that all existing parking and stopping restrictions on Stevens Street from its intersection with Wilsons Road and to a point 28 metres west of this intersection be revoked. *Note 1 applies*.
66. Stevens Street (Wilsons Road to Western Extent of Project) – New Traffic Controls

- a. Approve the road marking changes, kerb alignment changes, road humps and road surface changes on Stevens Street, from its intersection with Wilsons Road to a point 28 metres west of this intersection as detailed on **Attachment A**. *Note 2 applies.*
- 67. Stevens Street (Wilsons Road to Western Extent of Project) – New Parking and Stopping Restrictions.
 - a. Approve that the stopping of vehicles be prohibited at any time on the northern side of Stevens Street, commencing at its intersection with Wilsons Road and extending in a westerly direction for a distance of 20 metres. *Note 2 applies.*
 - b. Approve that the stopping of vehicles be prohibited at any time on the southern side of Stevens Street, commencing at its intersection with Wilsons Road and extending in a westerly direction for a distance of 20 metres. *Note 2 applies.*
- 68. Wilsons Road (Stevens Street to Charles Street) – Existing Traffic Controls
 - a. Approve that all traffic controls on Wilsons Road from its intersection with Stevens Street to its intersection with Charles Street be revoked.
- 69. Wilsons Road (Stevens Street to Charles Street) – Existing Parking and Stopping Restrictions
 - a. Approve that all existing parking and stopping restrictions on Wilsons Road from its intersection with Stevens Street and to its intersection with Charles Street be revoked.
- 70. Wilsons Road (Stevens Street to Charles Street) – New Traffic Controls
 - a. Approve the road marking changes, kerb alignment changes and road surface changes on Wilsons Road, from its intersection with Stevens Street to its intersection with Charles Street as detailed on **Attachment A**.
 - b. Approve that a special vehicle lane for the use of northbound cycles only, be established on the western side of Wilsons Road, commencing at a point 45 metres south of its intersection with Stevens Street and extending in northerly direction to this intersection as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - c. Approve that a bi-directional shared path for cyclists and pedestrians be established on the western side of Wilsons Road commencing at a point 45 metres south of its intersection with Stevens Street and extending in a southerly direction to its intersection with Charles Street in accordance with sections 11.4 of the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed in Attachment A. *Note 2 applies.*
 - d. Approve that a special vehicle lane for the use of southbound cycles only, be established on the eastern side of Wilsons Road, commencing at its intersection with Stevens Street and extending in southerly direction to its intersection with Charles Street as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - e. Approve that a bi-directional shared path for cyclists and pedestrians be established on the eastern side of Wilsons Road commencing at its intersection with Charles Street and extending in a northerly direction for a distance of 28 metres in accordance with sections 11.4 of the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed in Attachment A. *Note 2 applies.*
 - f. Approve that a Give Way control be placed against the Wilsons Road southbound cyclists, and that this Give Way control be located at a point 28 metres north of the intersection with Charles Street to require the southbound cyclists exiting the Wilsons Road cycle lane

to give way to pedestrians and cyclists using pedestrian/cycle pathway on the east side of Wilsons Road. This Give Way control is detailed on **Attachment A. Note 2 applies.**

- g. Approve that a signalised pedestrian crossing be installed on Wilsons Road, with the centre of the crossing located 16 metres north of its intersection with Charles Street. This crossing facility is to be installed in accordance with section 8.5 (1) of the Land Transport Act - Traffic Control Devices Rule: 2004, as detailed on **Attachment A. Note 2 applies.**
 - h. Approve that a signalised cycle crossing be installed on Wilsons Road, with the centre of the crossing located 12 metres north of its intersection with Charles Street in accordance with section 11.5 (5) of the Land Transport Act - Traffic Control Devices Rule: 2004, as detailed on **Attachment A. Note 2 applies.**
71. Wilsons Road (Stevens Street to Charles Street) – New Parking and Stopping restrictions
- a. Approve that the stopping of vehicles be prohibited at any time on the western side of Wilsons Road, commencing at its intersection with Stevens Street and extending in a southerly direction for a distance of 40 metres. *Note 2 applies.*
 - b. Approve that the stopping of vehicles be prohibited at any time on the western side of Wilsons Road, commencing at a point 179 metres south of its intersection with Stevens Street and extending in a southerly direction for a distance of 56 metres. *Note 2 applies.*
 - c. Approve that the stopping of vehicles be prohibited at any time on the eastern side of Wilsons Road, commencing at its intersection with Stevens Street and extending to its intersection with Charles Street.
72. Charles Street / Wilsons Road Intersection – Existing Traffic Controls
- a. Approve that all existing traffic controls at the intersection of Charles Street and Wilsons Road be revoked.
73. Charles Street / Wilsons Road Intersection – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes and road surface changes at the intersection of Charles Street and Wilsons Road as detailed on **Attachment A.**
 - b. Approve that a Give-Way control be placed against the Charles Street westbound approach to its intersection with Wilsons Road as detailed on **Attachment A.**
74. Wilsons Road (Charles Street to Southern Extent of Project) – Existing Traffic Controls
- a. Approve that all traffic controls on Wilsons Road from its intersection with Charles Street to a point 19 metres south of its intersection with Charles Street be revoked. *Note 1 applies.*
75. Wilsons Road (Charles Street to Southern Extent of Project) – Existing Parking and Stopping Restrictions
- a. Approve that all existing parking and stopping restrictions on Wilsons Road from its intersection with Charles Street to a point 19 metres south of this intersection be revoked. *Note 1 applies.*
76. Wilsons Road (Charles Street to Southern Extent of Project) – New Traffic controls
- a. Approve the road marking changes, kerb alignment changes and road surface changes on Wilsons Road, from its intersection with Charles Street to a point 19 metres south of this intersection as detailed on **Attachment A. Note 2 applies.**
 - b. Approve that a Give Way control be placed against the Wilsons Road northbound cyclists, and that this Give Way control be located at a point 12 metres south of the intersection with Charles Street to require the northbound cyclists exiting Wilsons Road to give way to

- pedestrians and cyclists using pedestrian/cycle pathway on the west side of Wilsons Road. This Give Way control is detailed on **Attachment A**. *Note 2 applies.*
- c. Approve that a special vehicle lane for the use of southbound cycles only, be established on the eastern side of Wilsons Road, commencing at its intersection with Charles Street and extending in southerly direction for a distance of 19 metres as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - d. Approve that a bi-directional shared path for cyclists and pedestrians be established on the eastern side of Wilsons Road commencing at its intersection with Charles Street and extending in a southerly direction for a distance of 12 metres in accordance with sections 11.4 of the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed in Attachment A. *Note 2 applies.*
 - e. Approve that a Give Way control be placed against the Wilsons Road southbound cyclists travelling on the bi-directional shared path, and that this Give Way control be located at a point 12 metres south of the intersection with Charles Street to require the southbound cyclists to give way to other traffic on Wilsons Road. This Give Way control is detailed on **Attachment A**. *Note 2 applies.*
77. Wilsons Road (Charles Street to Southern Extent of Project) – New Parking and Stopping Restrictions
- a. Approve that the stopping of vehicles be prohibited at any time on the eastern side of Wilsons Road, commencing at its intersection with Charles Street and extending in a southerly direction for a distance of 19 metres. *Note 2 applies.*
 - b. Approve that the stopping of vehicles be prohibited at any time on the western side of Wilsons Road, commencing at its intersection with Charles Street and extending in a southerly direction for a distance of 19 metres. *Note 2 applies.*
78. Charles Street (Wilsons Road to Eastern Extent of Project) – Existing Traffic Controls
- a. Approve that all traffic controls on Charles Street from its intersection with Wilsons Road to a point 48 metres east of this intersection be revoked. *Note 1 applies.*
79. Charles Street (Wilsons Road to Eastern Extent of Project) – Existing Parking and Stopping Restrictions
- a. Approve that all existing parking and stopping restrictions on Charles Street from its intersection with Wilsons Road and to a point 48 metres east of this intersection be revoked. *Note 1 applies.*
80. Charles Street (Wilsons Road to Eastern Extent of Project) – New Traffic Controls
- a. Approve the road marking changes, kerb alignment changes, raised platforms and road surface changes on Charles Street, from its intersection with Wilsons Road to a point 50 metres east of this intersection as detailed on **Attachment A**. *Note 2 applies.*
 - b. Approve that a special vehicle lane for the use of bi-directional cycles, be established on the northern side of Charles Street, commencing at a point 7 metres east of its intersection with Wilsons Road and extending in an easterly direction for a distance of 29 metres as detailed on **Attachment A**. This special vehicle lane is authorised under clause 18 of the CCC Traffic and Parking Bylaw 2017 and is therefore to be added to the Register of Roads and Traffic Lanes Restricted to Special Classes of Vehicles. *Note 2 applies.*
 - c. Approve that a Give Way control be placed against westbound cyclists travelling on the bi-directional cycle path on the north side of Charles Street, and that this Give Way control

be located at a point 7 metres east of its intersection with Wilsons Road to require the westbound cyclists to give way to pedestrians and cyclists using the shared pedestrian / cycle path on Wilsons Road. This Give Way control is detailed on **Attachment A. Note 2 applies.**

- d. Approve that a Give Way control be placed against eastbound cyclists travelling on the cycle path on Charles Street, and that this Give Way control be located at a point 31 metres east of its intersection with Wilsons Road to require the eastbound cyclists to give way to other traffic on Charles Street. This Give Way control is detailed on **Attachment A. Note 2 applies.**
 - e. Approve that a bi-directional shared path for cyclists and pedestrians be established on the southern side of Charles Street commencing at its intersection with Wilsons Road and extending in an easterly direction for a distance of 29 metres in accordance with sections 11.4 of the Land Transport Act - Traffic Control Devices Rule: 2004 as detailed in Attachment A. *Note 2 applies.*
 - f. Approve that a Give Way control be placed against westbound cyclists crossing Charles Street at the raised platform, and that this Give Way control be located at a point 24 metres east of its intersection with Wilsons Road to require the eastbound cyclists to give way to other traffic on Charles Street. This Give Way control is detailed on **Attachment A. Note 2 applies.**
81. Charles Street (Wilsons Road to Eastern Extent of Project) – New Parking and Stopping Restrictions
- a. Approve that the stopping of vehicles be prohibited at any time on the northern side of Charles Street, commencing at its intersection with Wilsons Road and extending in an easterly direction for a distance of 42 metres. *Note 2 applies.*
 - b. Approve that the stopping of vehicles be prohibited at any time on the southern side of Charles Street, commencing at its intersection with Wilsons Road and extending in an easterly direction for a distance of 40 metres. *Note 2 applies.*

3. Key Points

- 3.1 The Infrastructure, Transport and Environment decision (resolution ITEC/2017/00051) requested that staff provide for a number of changes through the detailed design process. The Committee Resolution is detailed below. The changes from the proposed design of 21 September 2017 are detailed in this report.

Committee Resolved ITEC/2017/00051

Part C

That the Infrastructure, Transport and Environment Committee:

1. Approve that option three, Ferry Road and Wilsons Road Section of the Heathcote Expressway, (between 77 Ferry Road and 9 Charles Street), proceed to detailed design and construction as shown in the tabled attachment.
2. Recommend that Council staff provide for the following through the detailed design process:
 - a. Separation between cyclists and pedestrians on the at grade path including vertical elements alongside high pedestrian zones, and taking opportunities for amenity enhancements where possible.
 - b. To maximise parking set backs from driveways to meet design guidelines.
 - c. Priority and safety for cyclists at all intersections between Fitzgerald Ave and Moorhouse Ave.
 - d. To increase the width of buffer zone to 0.7 metres between carparks and cycleways.
3. Recommend that Council staff investigate during detailed design:
 - a. A reduction in the speed limit to 30kph for Ferry Road.
 - b. Crossing points along this section of Ferry Road.
 - c. The potential to have a mobility car park on each side of the road.
4. Approve the removal of the identified trees to allow for the implementation of the proposed scheme.
5. Recommend that the detailed traffic resolutions required for the implementation of the route are brought back to the Infrastructure, Transport and Environment Committee for approval at the end of the detailed design phase prior to onsite construction.

Councillor Cotter/Councillor Keown

Carried

Trees

3.2 A change to the approved tree removals is required.

3.2.1 Following the completion of detailed design, it was assessed that one tree could be retained (3.2.2) and the removal of another tree needed to be switched (3.2.3).

3.2.2 Tree 10 in the median island at the intersection of Fitzgerald Avenue and Ferry Road (picture below) can now be retained.

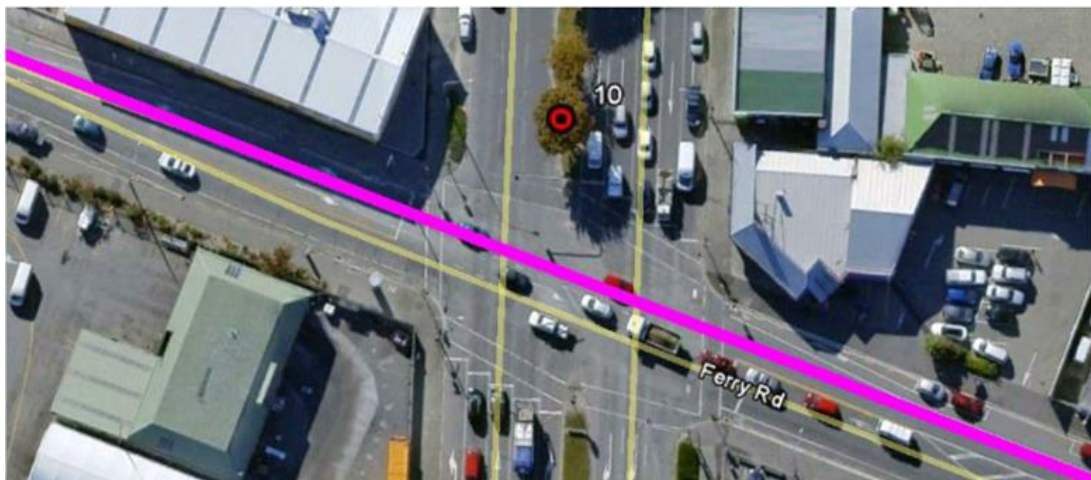
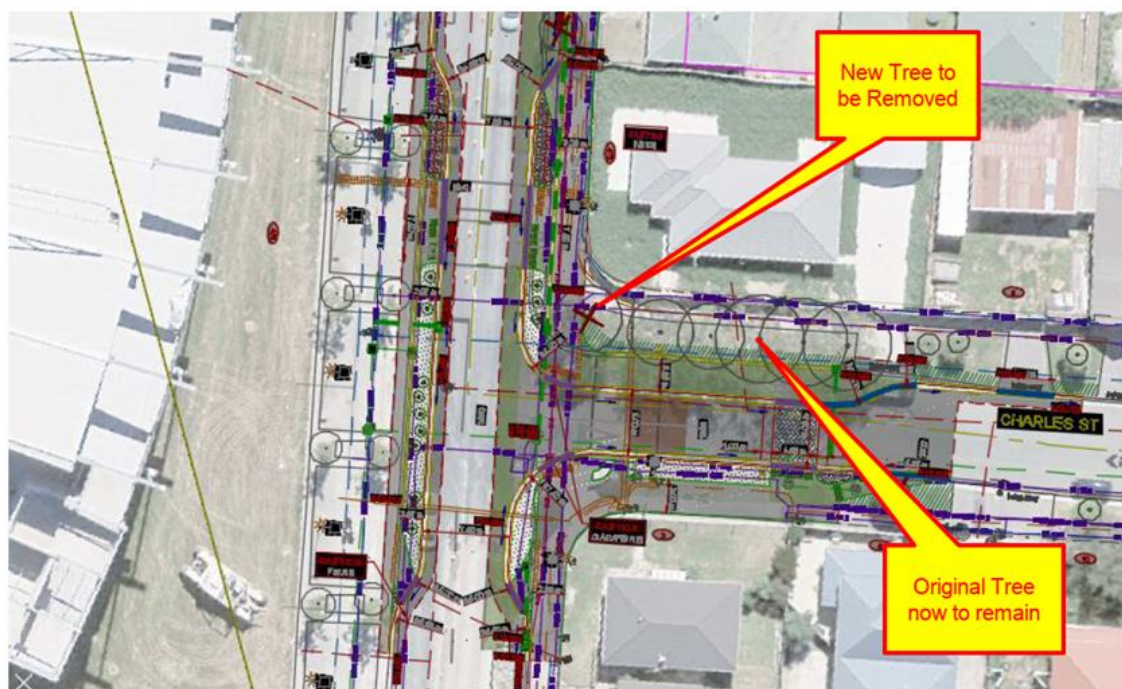


Figure 3-2: Fitzgerald Ave Tree (no longer needed to be removed)

3.2.3 Tree removal change on Charles street is indicated in the picture below.



Minor changes along the street

- 3.3 A new crossing point with island build outs to minimise the crossing distance for pedestrians is located outside 160 & 165 Ferry Road. This was included to meet the ITE request to enable a crossing point along this section of Ferry Road. This has resulted in the removal of one on street car park outside 165 Ferry Road and one outside 166 Ferry Road.
- 3.4 Lancaster Street intersection pedestrian island has been removed to allow for design vehicle tracking curves.
- 3.5 At Ferry Road and Fitzgerald Avenue intersection the following changes have been made:
 - 3.5.1 Dedicated cycle lanes on both the Fitzgerald Avenue north and south approaches have been removed. These have been removed due to lane width requirements and to align with current Fitzgerald Avenue cyclist facilities. Intersection cyclist hook turns have been provided.
 - 3.5.2 Right turn from Fitzgerald Avenue South into Ferry Road east is no longer a banned manoeuvre. A combined straight through and right turn lane has been provided (line marking changes only). This is a filter turn, not arrow controlled.
 - 3.5.3 Other minor line marking and lane control changes have been made to allow signals phasing and intersection to flow to reduce the traffic impact.
- 3.6 The position of the bus stop was changed.
 - 3.6.1 Bus stop #53222 moved from outside 201 Ferry Road to 191 Ferry Road.
 - 3.6.2 This provides improved services with the mirroring of the north bound and south bound bus stops and provides improved access to the crossing points.
- 3.7 The on street car park outside 168 Ferry Road has been converted to a mobility park.
- 3.8 At Wilsons Road Moorhouse Avenue intersection the Ferry Road South into Wilson Road slip lane has been removed. This has been removed to reduce the uncontrolled vehicle/cyclist conflicts points, enable ITE request to provide priority and safety for cyclist at all intersections and to align intersection control for future projects along Moorhouse Avenue.

- 3.9 The layout of the western side of Wilsons Road has been altered to allow for improved priority and safety for cyclists at all intersections. This change is parking neutral.

Minor changes to parking spaces along the street

- 3.10 The following on street car parks have been added:

- 1 on street car park outside 190 Ferry Road
- 2 on street car parks outside 201 Ferry Road
- 1 on street car park outside 216 Ferry Road

- 3.11 The following on street car parks have been removed to ensure parking setbacks from driveways are maximised to meet safety guidelines:

- 1 on street car park outside 137 Ferry Road
- 1 on street car park outside 160 Ferry Road
- 1 on street car park outside 196 Ferry Road
- 1 on street car park outside 198 Ferry Road
- 2 on street car parks outside 199 Ferry Road
- 1 on street car park outside 202 Ferry Road

- 3.12 The following car parks have been removed as a result of a new driveway installed by the property owner and to ensure parking setbacks from driveways are maximised to meet safety guidelines:

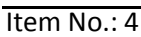
- 2 on street car parks outside 184 Ferry Road
- 1 on street car park outside 187 Ferry Road

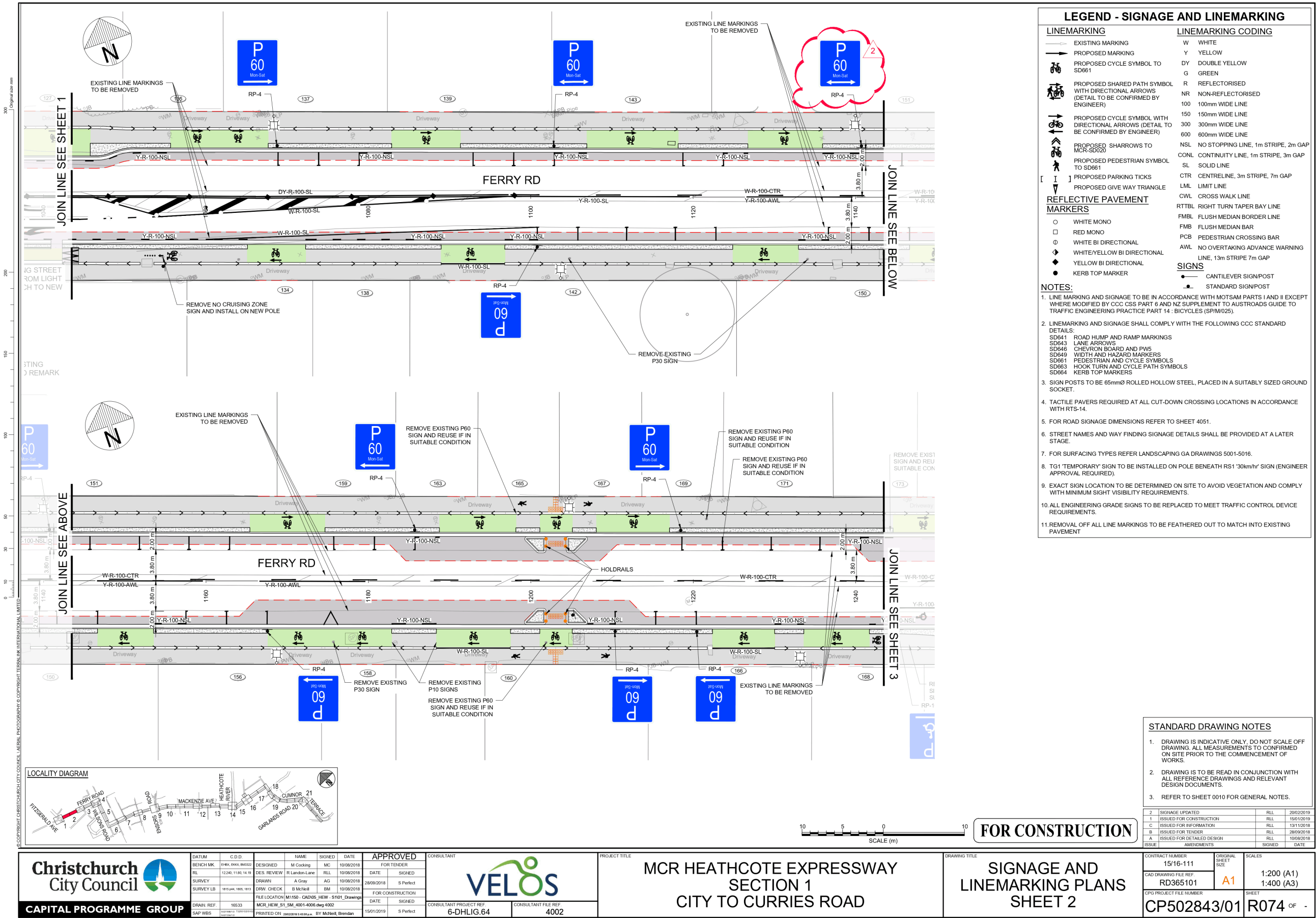
Attachments

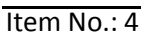
No.	Title	Page
A ↓	Plans for Approval	28
B ↓	Memorandum – Tree Removals	34

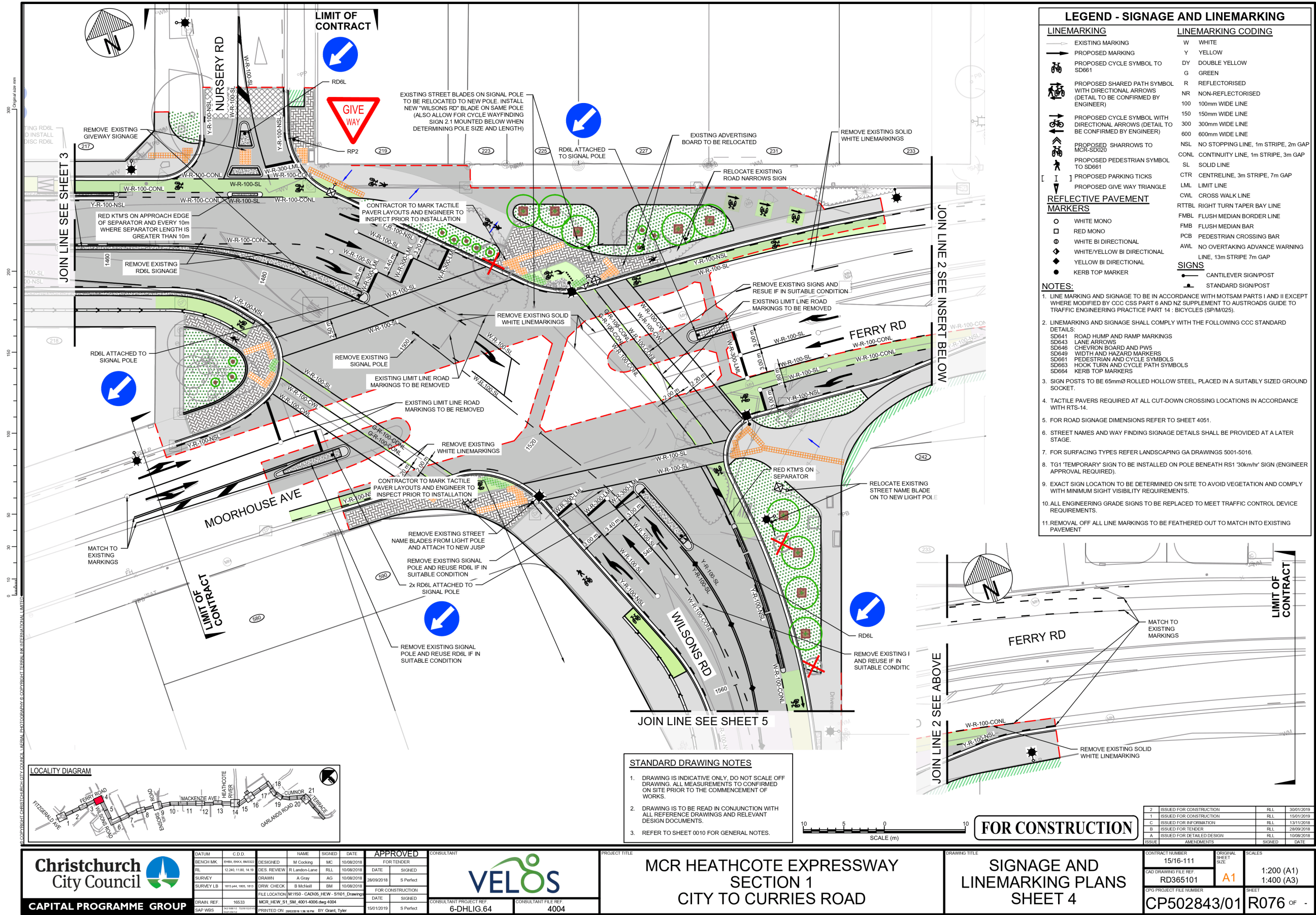
Signatories

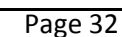
Author	Adrian Thein - Project Manager
Approved By	Lynette Ellis - Manager Planning and Delivery Transport Richard Osborne - Head of Transport Carolyn Gallagher – Acting General Manager City Services

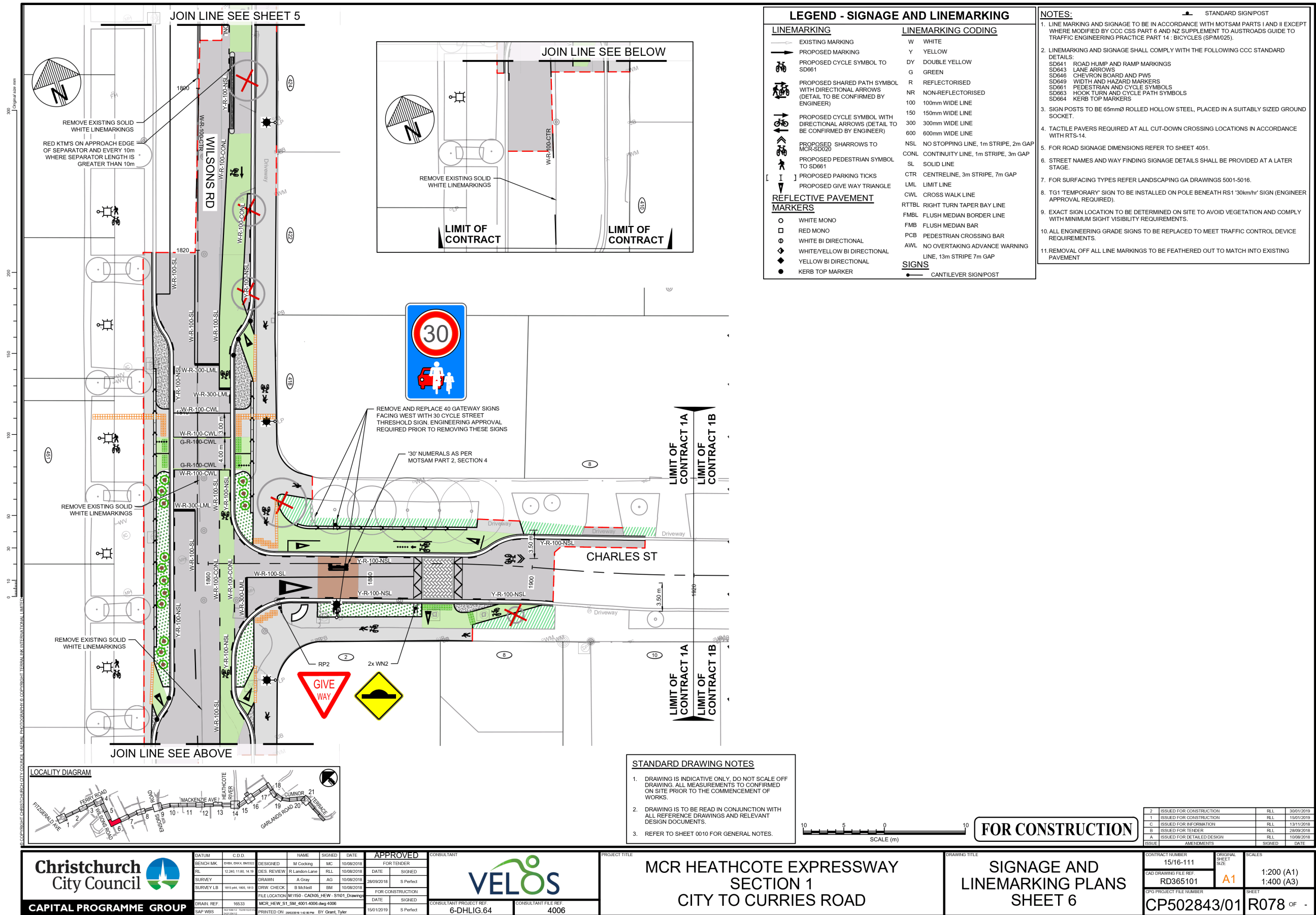












Memo

To: Clarrie Pearce
From: Richard Landon-Lane
cc:
Date: August 8, 2018
Re: Section 1A – Additional Tree Removal for detail design

1 Introduction

As part of the detailed design of the Heathcote Expressway Major Cycleway Route down Ferry Road & Wilsons Road, Some design tweaks have eventuated since the approved scheme plans. One of those design tweaks necessitates the removal of a particular tree on the corner of Wilsons & Charles Streets which was not previously identified for removal. The approximate location is shown in Figure 1-1 below.

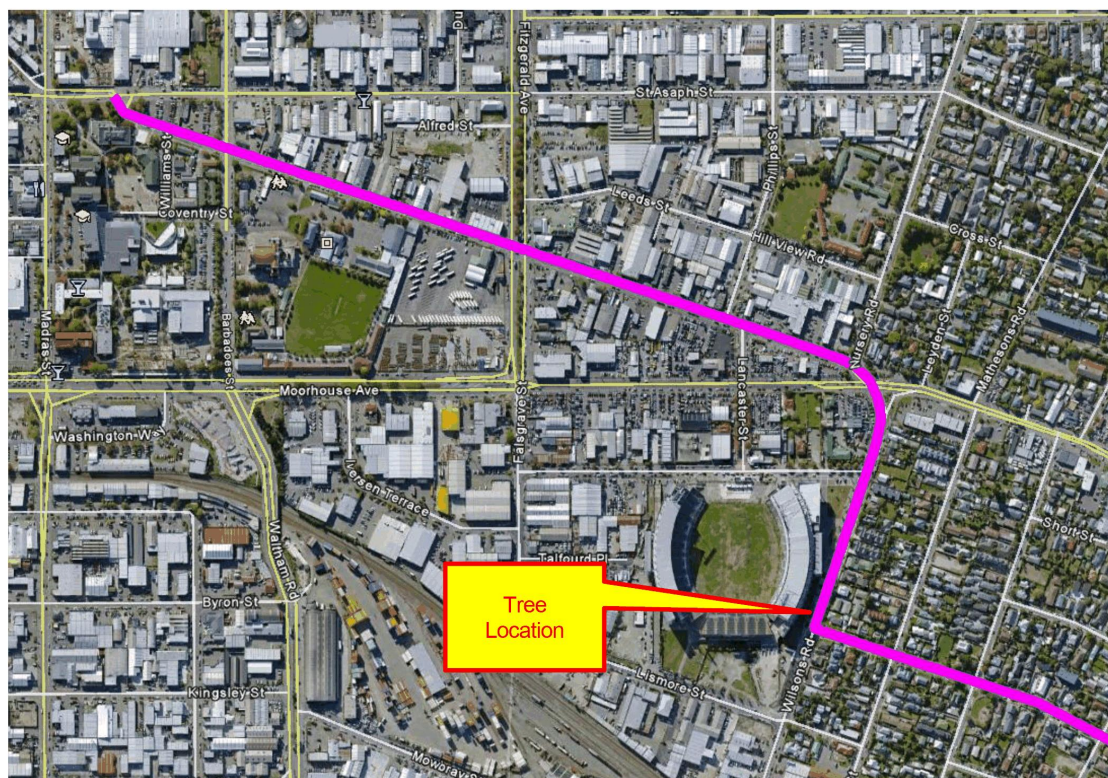


Figure 1-1: Section 1A Route

2 Approved Scheme Plan

At the corner of Wilsons Road & Charles Street, there is a cluster of six trees on Charles Street, the relevant street address is #418 Wilsons Road (See Figure 2-1 below).



Figure 2-1: Trees at Charles/Wilsons Corner

The original 2017 scheme approved by ITE showed a single tree to be removed (see Figure 2-2 below):

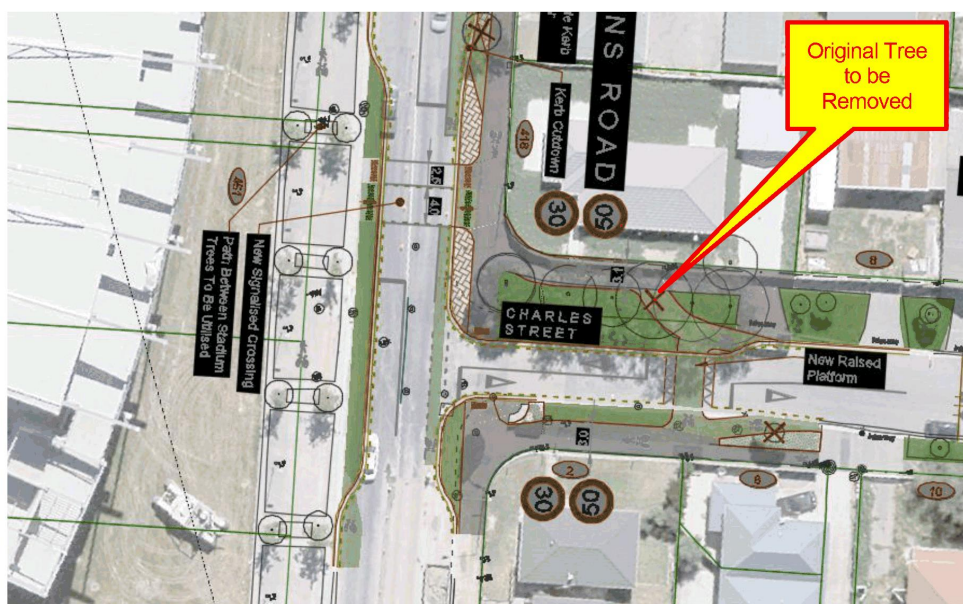


Figure 2-2: Approved Scheme

This particular tree removal was part of ten trees overall that were proposed to be removed as part of the section 1A construction (see Figure 3-2 below).

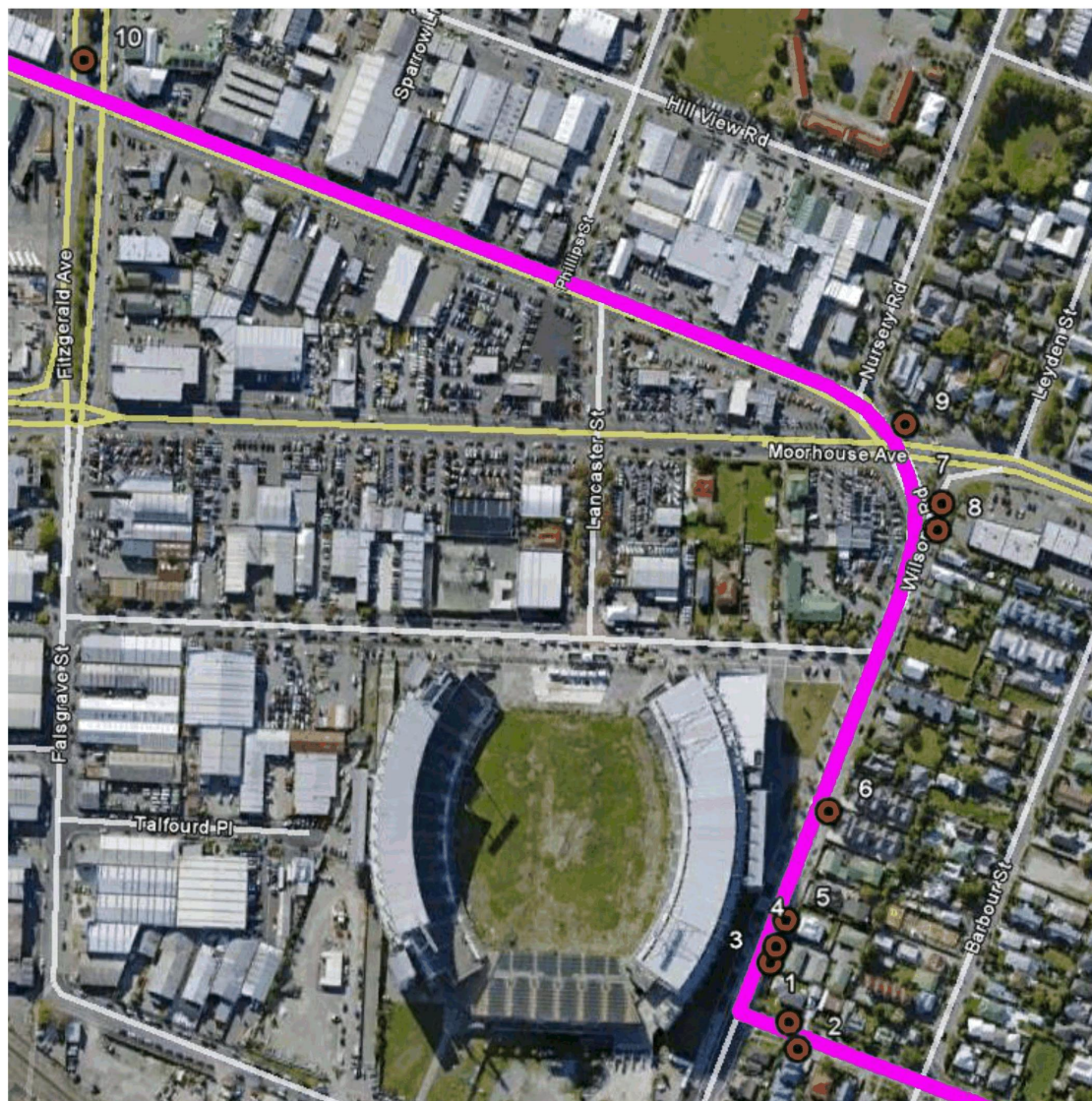


Figure 2-3: 2017 ITE Approved Tree Removals

3 Detailed Design Plans

Following further work during the detailed design phase it became apparent that widening the existing footpath between the fence and the line of trees was problematic and required a complicated interpath drainage system, this would have risked the root structures of all six trees. A better solution was to create a new wider path on the road side of the trees, this would have the added benefit of improved sight lines for pedestrians at the corner.

A consequence of the design change was that a different tree needed to be removed (see Figure 3-1 below).

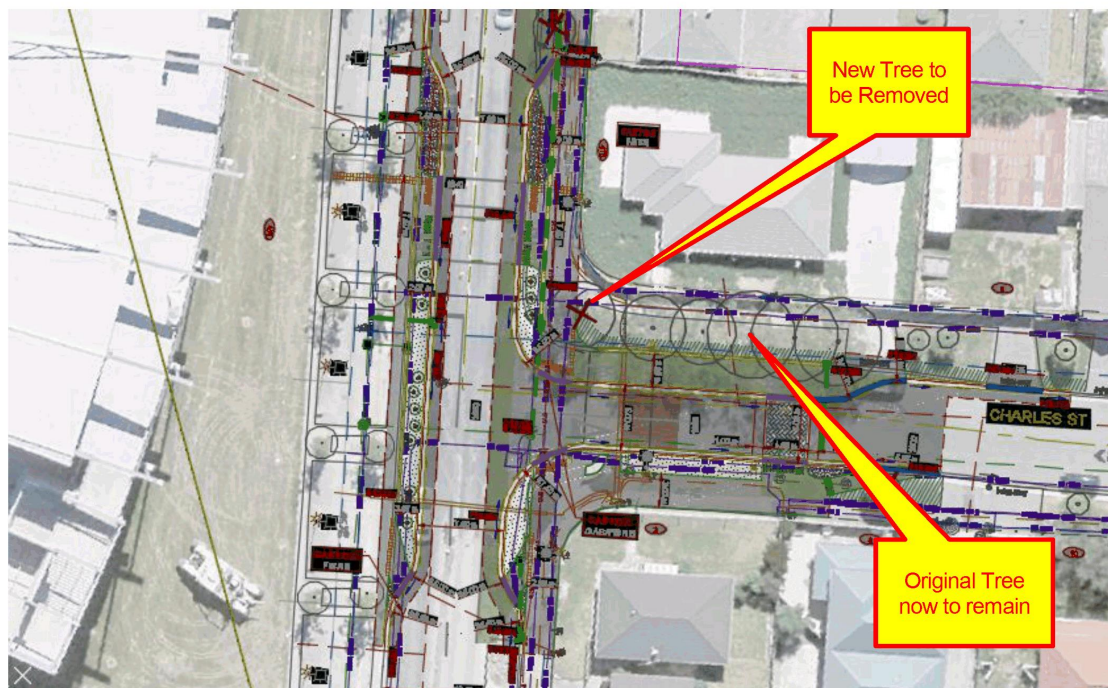


Figure 3-1: Detailed Design Layout

Overall, during the detailed design phase, the total number of trees to be removed reduced by one (from ten to nine). Kerb layout amendments meant the tree immediately to the north of the Fitzgerald/Ferry intersection was able to be kept (see Figure 3-2 Below).

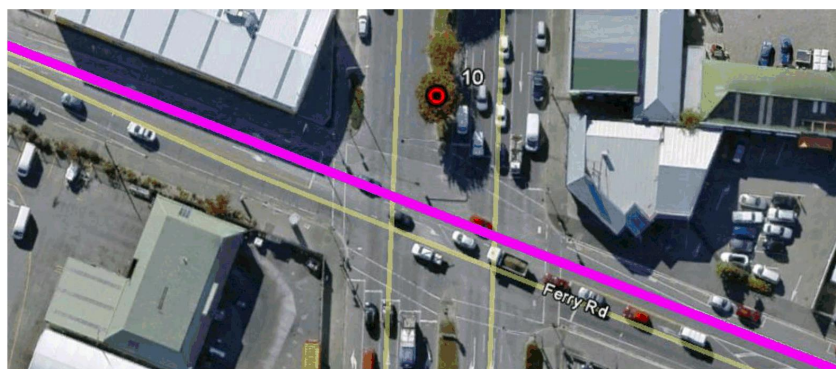


Figure 3-2: Fitzgerald Ave Tree (no longer needed to be removed)

4 Conclusion & Recommendation

Within Section 1A, there were originally ten trees proposed to be removed as part of the 2017 approved ITE plans. Including the fourth tree back (in a group of six) at the Wilsons/Charles corner.

During detailed design phase, to improve sight visibility for pedestrians & cyclists and to reduce costs for developing a complicated drainage system, the MCR was reconfigured to the other side of the tree group. This has resulted in a different tree now requiring removal.

It is recommended that the ITE committee approve the amended design, recognising that through the detailed design process, an additional tree (On Fitzgerald Ave) has been saved.

DECISION REGISTER	
Designer Recommendation	ITE to approve amended tree removal on Wilsons/ Charles Corner.
CCC Project Sponsor Decision	
ITE Approval	