




TECHNICAL REPORT 5

ARBORICULTURAL SUPPLEMENTARY ASSESSMENT

GREAT SOUTH ROAD INTERSECTION

DECEMBER 2016

Quality Assurance Statement	
Prepared by	Allan Holmes
Reviewed by	Craig Webb
Approved for release	 Patrick Kelly (EWL Alliance Manager)

Revision schedule					
Rev. N°	Date	Description	Prepared by	Reviewed by	Approved by
0	December 2016	Final Lodgement for	Allan Holmes	Craig Webb	Patrick Kelly

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Executive Summary

Our assessment of the Project with the revised Great South Road intersection has concluded that the existing environment and area of works has remained the same from an arboricultural perspective and that the Tree Management Plan proposed within the Technical Report is able to provide the necessary tree protection methodologies suitable for this Project.

The review of the revised Great South Road intersection has also identified that the extent of the works area will extend further south along Great South Road than was originally assessed. The result of this is that there are now two additional scheduled pōhutukawa trees and two scheduled phoenix palm trees that need to be included within Table 2, Appendix A List of Tree Species, Appendix C Tree Location Plans and Appendix D Location of Scheduled Trees of Technical Report 5: Arboricultural Assessment.

There is no need to amend or add any additional mitigation measures as the four additional scheduled trees can be included within the Tree Management Plan. The measures in the Tree Management Plan will ensure that any potential effects on those trees are either avoided or are appropriately managed.

The effects of the revised Great South intersection will have no more impact on the trees identified in the original Tree Management Plan than what has already been assessed.

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1 Introduction

1.1 Purpose and scope of supplementary assessment

The purpose of this Technical Report 5 – Arboricultural Supplementary Assessment is to assess the arboricultural effects associated with the revised design of the East West Link (EWL)/Great South Road/Sylvia Park Road intersection.

The original Technical Report 5 – Arboricultural Assessment was completed in November 2016. Engagement with stakeholders and the wider community has continued in parallel, including design review in response to matters raised.

As a progression of the work to date, the design of the EWL/Great South Road/Sylvia Park Road intersection has been revised from the at grade design originally proposed, to a grade separated design. Grade separation of the east west through movements at this intersection will provide improved reliability and future resilience.

This supplementary assessment describes the potential and actual arboricultural effects associated with construction and operation of the revised intersection design at Great South Road. The assessment considers whether the type or scale of effects on the existing environment have changed as a result of the revised design and where necessary recommends additional management and mitigation measures.

This supplementary assessment should be read in conjunction with Technical Report 5. Where this assessment supersedes and/or updates information in Technical Report 5, this has been expressly noted.

This supplementary assessment forms part of the suite of technical reports that inform the Assessment of Effects on the Environment (AEE) and supports the Notice of Requirement for a new designation, alteration to an existing designation, and resource consent applications for the Project.

1.2 Revised Great South Road intersection

The revised intersection design at Great South Road is described in Section 6 of the AEE. Key features of the revised intersection design include:

- Extending the Anns Creek viaduct by about 330m over Great South Road. The viaduct would grade down to Sylvia Park Road, approximately 200m east of Great South Road.
- Altered through movements and connections to local roads at the intersection –
 - Through movements on EWL would occur on the elevated structure above Great South Road
 - Movements to and from EWL to Sylvia Park Road and Great South Road would be at grade providing connectivity to the local street network
 - North and south movements on Great South Road would remain unchanged, passing under the elevated EWL structure.
- A grade separated pedestrian and cycle crossing for east west movements on the southern side of the Anns Creek viaduct.
- Changes to the EWL/Hugo Johnston Drive intersection.
- Associated urban design and landscape treatments.

The revised intersection design is hereafter referred to in this supplementary assessment as “the revised intersection design at Great South Road”, or “the revised design”. The previously proposed layout (as

assessed in Technical Report 5) is referred to as the “at grade intersection design at Great South Road”, or “the at grade design”.

The geographical extent of the Project assessed in this supplementary assessment report is from Hugo Johnston Drive to Mt Wellington Highway.

2 Assessment Methodology and Existing Environment

2.1 Assessment Methodology

The assessment methodology for this supplementary assessment is the same as that used for Technical Report 5: Arboricultural Assessment.

2.2 Existing environment

The existing environment is as previously described in Technical Report 5 and remains the same from an arboricultural perspective, although our review of the revised Great South Road intersection has highlighted that the extent of the works area will extend further south along Great South Road than was originally assessed. We have identified four additional scheduled trees that are located close to the boundary of the proposed designation.

3 Assessment of Effects

The effects of the revised Great South Road intersection will have no more impact on the trees identified in the original Tree Management Plan than what has already been assessed.

There are four additional scheduled trees to be considered and added to the list of affected trees.

The result is that there are two additional scheduled pōhutukawa trees and two scheduled phoenix palm trees that need to be included within Table 2, Appendix A List of Tree Species, Appendix C Tree Location Plans and Appendix D of Technical Report 5: Arboricultural Assessment.

The Phoenix palms are set back from the road and so there will be no effect on these two palm trees and no changes are required in the Tree Management Plan. The two pōhutukawa trees are set at the front of the site and adjacent to the public footpath. There are no changes proposed to the alignment of the road or the kerb line so there will be minimal impact on the two pōhutukawa trees. Effects on these trees will be managed by monitoring and the other measures that have been specified in the Tree Management Plan discussed in Section 3.2 of the original report. These four additional scheduled trees will need to be added to Table 3-1 as below. The location of these scheduled trees is shown in Appendix A of this supplementary assessment.

Table 3-1: Location, map references and species identification and number of scheduled trees.

Location	ACDP Map Reference	PAUP – ID	Species / (Number of trees) / Category	Sheet number
Alfred Street 9, Onehunga	H10-19	626	Phoenix Palm (2) C	18 of 18
Hugo Johnston Drive (O'Rorke Road ext Southdown)	H12-01	633	Poplar (22) C Plane tree (7) C	8 of 18 North of Autumn Place
Princes Street 120 Sikh Temple	I14-10	652	Phoenix Palm (3) C	14 of 18
Great South Road 1048-1050, Otahuhu, (ex Westfield Freezing Works, near former main entrance)	H13-01	634	Pōhutukawa (2) A,B,C, Phoenix Palm (2) A,C	8

As noted in Section 2.2 of Technical Report 5: Arboricultural Assessment, the other groups of scheduled trees highlighted in Appendix D of that report (highlighted but not circled) are away from the works area in general, but are highlighted because they could be located in close proximity to desired construction access routes.

4 Recommended Mitigation

There is no need to amend or add mitigation measures to the original report as the four additional schedule trees can be included within the Tree Management Plan. The measures in the Tree Management Plan will ensure that any potential effects on those trees are either avoided or are appropriately managed.

5 Conclusion

The additional information provided for the revised Great South Road intersection and our review of this material has highlighted that the extent of the works area will extend further south along Great South Road than was originally assessed.

The result of this review is that there are now two additional scheduled pōhutukawa trees and two scheduled phoenix palm trees that need to be included within Table 2, Appendix A List of Tree Species, Appendix C Tree Location Plans and Appendix D of Technical Report 5: Arboricultural Assessment.

The effects of the revised Great South intersection will have no more impact on the trees identified in the original Tree Management Plan than what has already been assessed.

Appendix A

Location of Scheduled Trees

