

Memorandum

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Boffa Miskell



Attention:	Amberfield project team
Company:	Weston Lea Ltd
Date:	13-08-2018
From:	Andrew Blayney – Senior Ecologist (Terrestrial), Kieran Miller – Senior Ecologist (Freshwater) & Ben Clark - Urban Designer & Landscape Architect
Message Ref:	Amberfield project – Hamilton City Council s92 response item 64.
Project No:	A17134

Below is a response to the s92 further information request item 64 from Hamilton City Council (HCC).

HCC s92 Item 64: Please provide confirmation of any retention, restoration, or enhancement of vegetation proposed for open space areas as mitigation of ecological effects of the proposal, including clarity on bat habitat to be retained on proposed open space to be vested in Council, and any on-going obligations. This will ensure any conflict between future use of open space and required protection of ecological values is understood and avoided.

Response:

Appendix 1 of this memo provides an overview of current vegetation and development extent. All existing vegetation outside of the development extent is proposed to be retained, restored, or enhanced. Appendix 2 of this memo provides an overview of the vegetation strategy which includes the retained vegetation outside of the development extent. The restoration and enhancement planting throughout the site will be detailed within a detailed planting plan and environmental management plan as recommended by the Terrestrial Ecological Assessment. These plans should stipulate the type of planting and management of existing vegetation and where appropriate include the control of pest plants to enhance planted areas. All remaining vegetation should be considered long-tailed bat, lizard and bird habitat. Areas of open ground retain should also be considered potential long-tailed bat foraging habitat.

Management criteria for these areas in the short and long term should be detailed within an environmental management plan for the site and should include (but not limited to):

- Vegetation be managed in such a way to ensure the retention in the long-term all large stature trees that provide (or potentially provide) roost habitat for long-tailed-bats;
- Tall stature vegetation retained in the long term to provide buffering of light, disturbance, and noise into potential long-tailed bat habitats;
- A 10m wide strip of riparian planting be established and maintained on both sides of the waterbodies stipulated within Appendix 3 of this memo;
- Open space areas and paths adjacent to/within potential long-tailed bat habitat should avoid lighting at night;
- Plant species within the minor gully system to be selected to provide structural complexity appropriate for copper skink habitat and should be further enhanced for lizard habitat with woody debris and natural refugia salvaged from site;
- Within all plantings and retained vegetation; the retention of woody debris such as fallen logs should be retained and left in-situ or moved into nearby vegetated areas where they pose an access or safety concern; and

- Any restoration and/or pest plant control within open space areas (particularly the Waikato River banks) should be done under a restoration plan developed by an appropriately experienced and qualified ecologist which details how the habitat and buffering values of non-native vegetation is to be managed, enhanced, and/or replaced to avoid long and short term potential adverse effects on long-tailed bat, bird, and lizard populations.

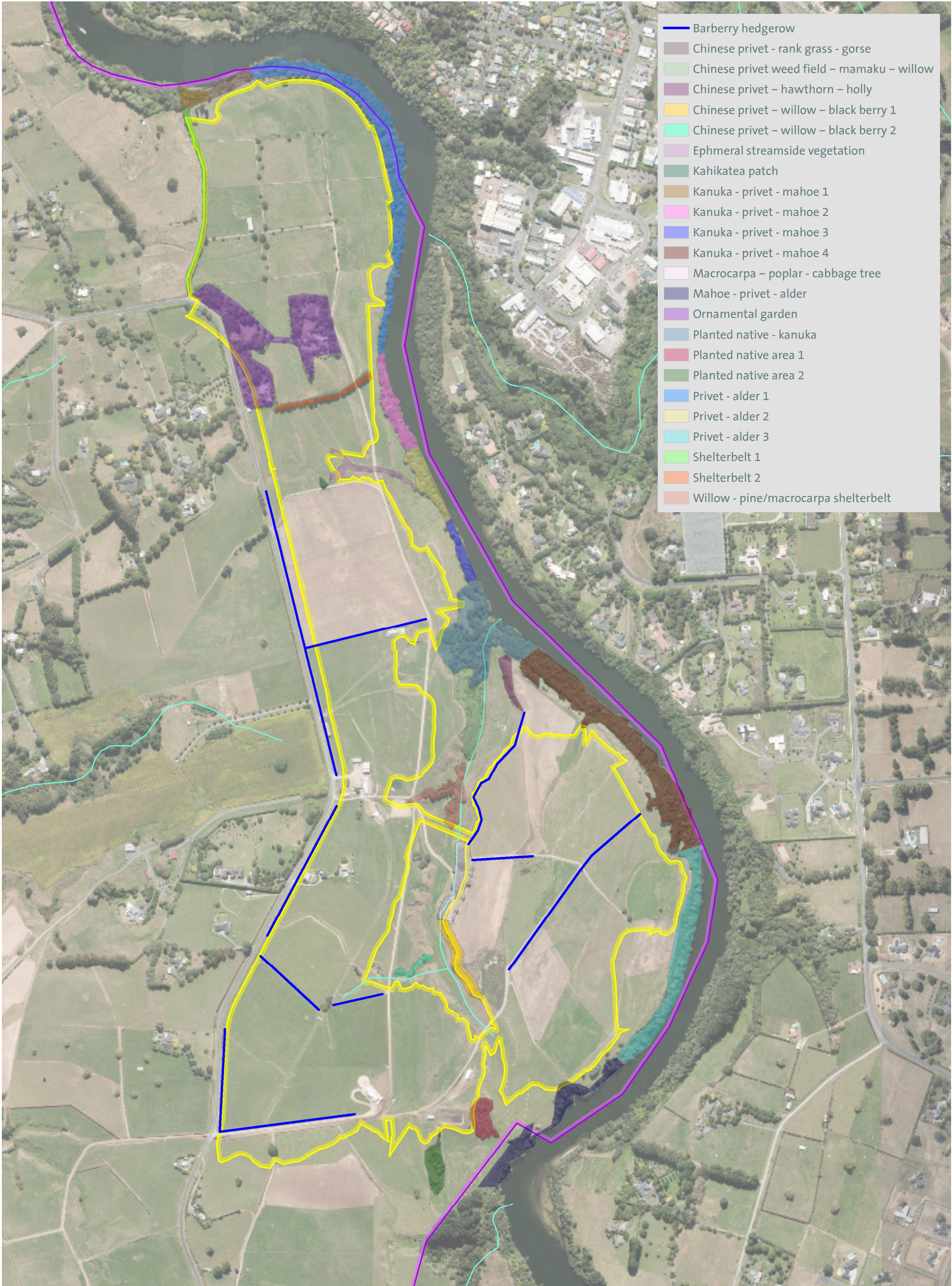
Attachments:

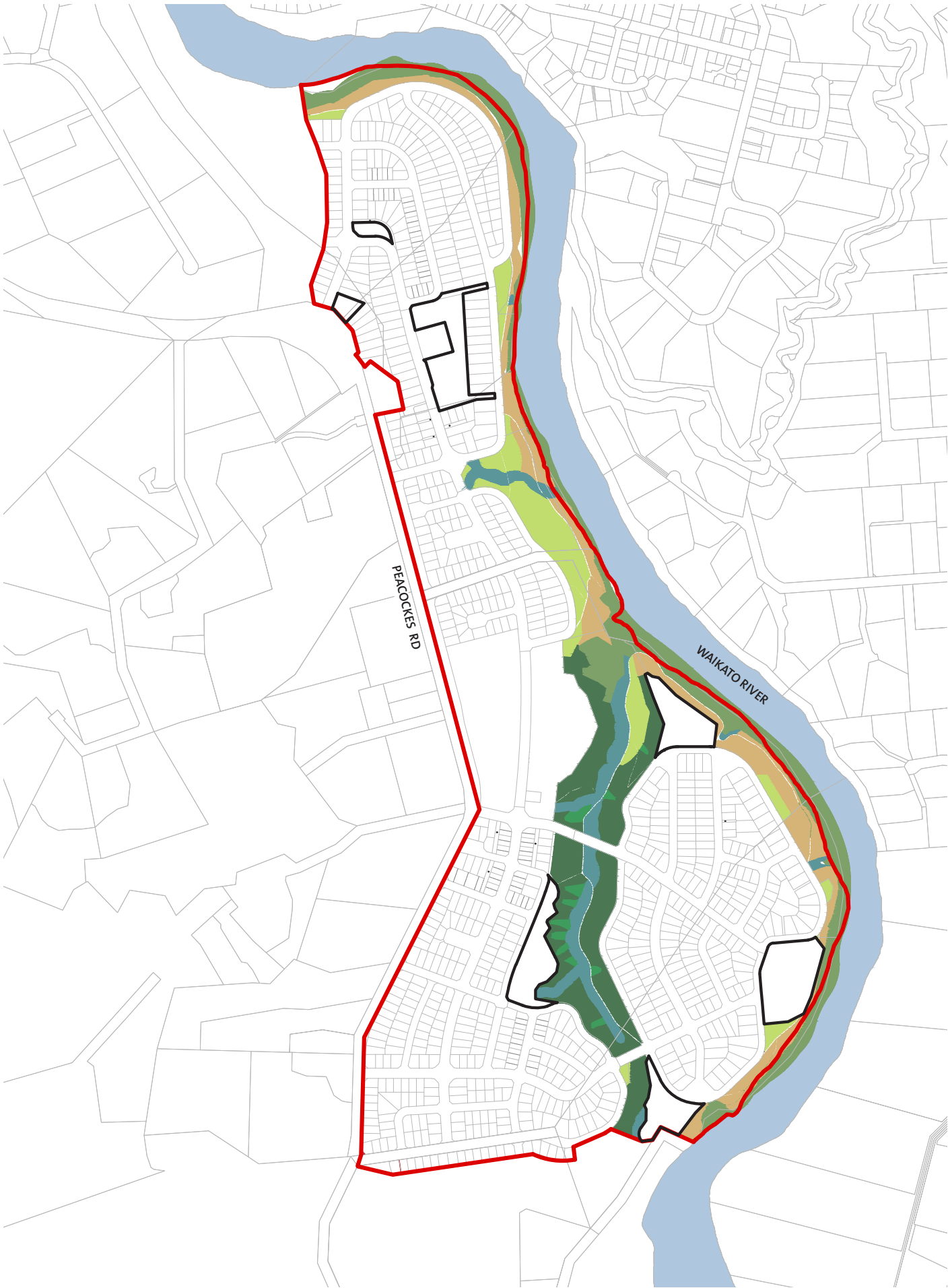
Appendix 1: Amberfield – Vegetation Map.

Appendix 2: Gully and Esplanade Reserve Vegetation Strategy.

Appendix 3: Freshwater ecological mitigation map.

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GULLY AND ESPLANADE RESERVE VEGETATION STRATEGY

- 1. Existing vegetation along the river bank corridor is to be retained and supplemented with further buffer and amenity planting within the proposed esplanade reserve.
- 2. Gully and Esplanade Reserve are to be densely planted with native species in best practice with Hamilton City gully and revegetation practices.
- 3. Lower species of planting are to be utilised toward the upper banks of the gully allowing for views from the street environment and adjacent residential lots to be available over the gully. Taller tree species are to be located on the lower banks of the gully to provide buffering and enclosure while retaining views from upper terraces. Minor valleys within the gully are to be planted with tree fern species and nikau palm to emphasise the landform, provide texture and variation to the gullies and respond to the ground conditions.
- 4. Areas of existing stream within the Esplanade Reserve and Gully are to be planted with riparian planting 10m either side.
- 5. Areas of flat to gently rolling grass terraces have been retained for recreation uses and views into the Esplanade Reserve. These are located adjacent to the roads, or, in the case of the terrace in the gully a naturalised grass meadow is proposed to provide a respite area and play space along the recreation trail.
- 6. Native planting is typically used within the reserves adjacent to the gully and river corridor to complement the gully and reserve planting strategy.
- 7. For indicative plant species refer to Boffa Miskell A17134_064-065.
- 8. The streetscape planting strategy builds off these principles and seeks to connect with the amenity in the river and gully through the development to Peacockes Road. Refer Boffa Miskell A17134_201.

KEY

- Indicative Site Boundary
- Reserves
- Amenity and Buffer Planting
- Flat to Gently Rolling Areas of Grass Usable Space
- Gully Slope Planting
- Gully minor valley tree fern & Nikau planting
- Riparian Planting (20m Corridor)
- Existing River and Gully Vegetation



AMBERFIELD
PEACOCKE STRUCTURE PLAN

Gully and Esplanade
Reserve
Vegetation Strategy

DRAWING NUMBER A17134_054

Date: 11 May 2018
Revision: G

Plan prepared for Weston Lea Ltd
by Boffa Miskell Limited

Project Manager: Rachel.deLambert
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Drawn: BCI | Checked: JPo

This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.





Legend

- | | |
|--|---|
|  Ephemeral |  Existing Culvert |
|  Intermittent |  Site Boundary |
|  Permanent |  Development Extent |
|  Outside site |  Proposed Mitigation |

HAMILTON SOUTH DEVELOPMENT

Ecological Mitigation

Date: 3 May 2018 | Revision: D

Plan prepared for Adare Co Limited by Boffa Miskell Limited

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Figure 3