Benson McCormack Architecture
Studio 5, 505 Balmain Rd,
Lilyfield NSW 2040
Sydney, Australia

Nominated Architects
D. BENSON ARB NSW 7285
G. McCORMACK ARB NSW 7536

ABN 76 129 130 285

July 2024

PLANNING PANEL PRESENTATION

37 TOMPSITT DRIVE
JERRABOMBERRA NSW

prepared for

VIKINGS GROUP

BENSON McCORMACK
ARCHITECTURE

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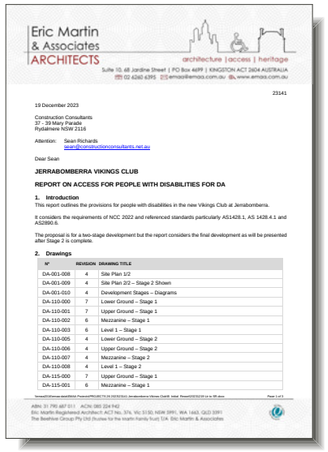
PROJECT REPORTS



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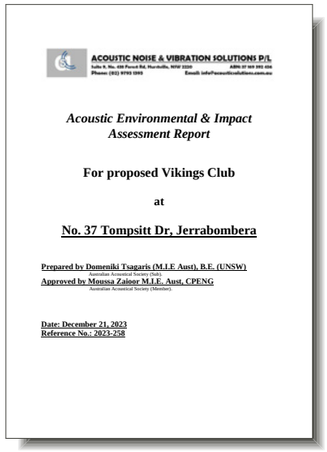
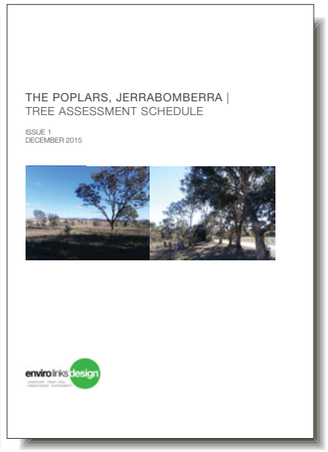


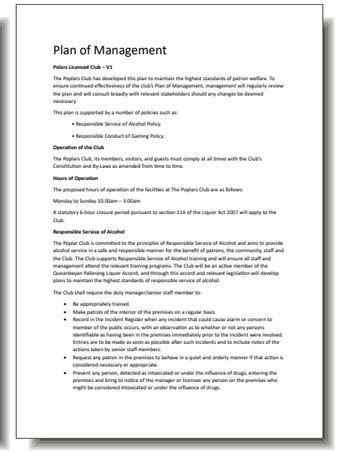
Acoustic

Bushfire

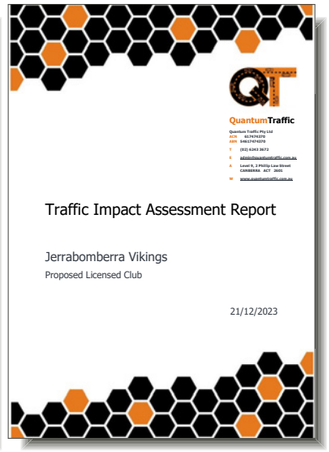


Arborist

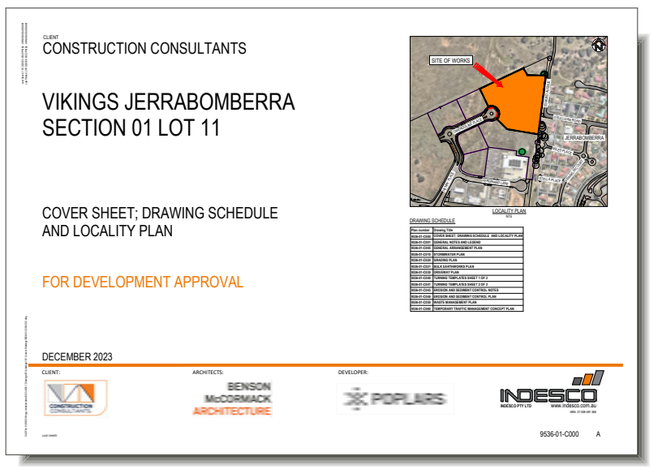
BCA



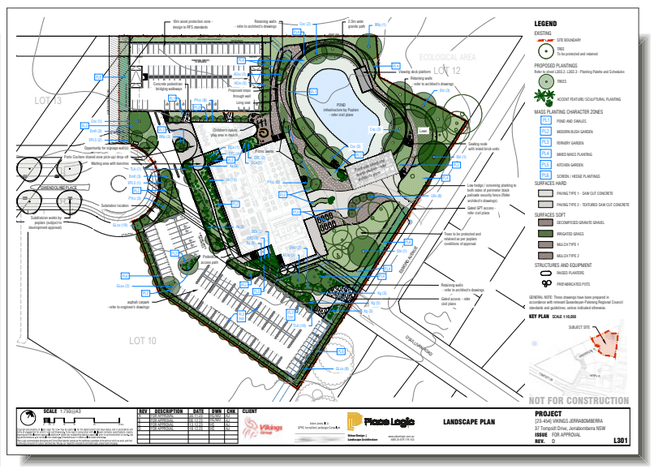
Plan of Management



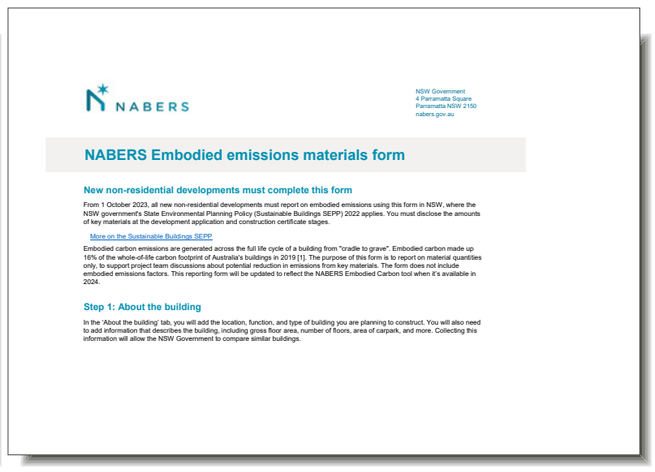
Traffic



Civil + Stormwater



Landscape



QS + Embodied Emissions

SEE

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01
CONTEXT & CHARACTER
Context

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01
CONTEXT & CHARACTER
Site Analysis Plan

ENVIROMENTAL CONSERVATION AREA

DIXON PLAYGROUND

JERRABOMBERRA MOUNTAIN

GWENDOLINE PLACE

JERRABOMBERRA BIG ROUNDABOUT

MEDICAL CENTRE

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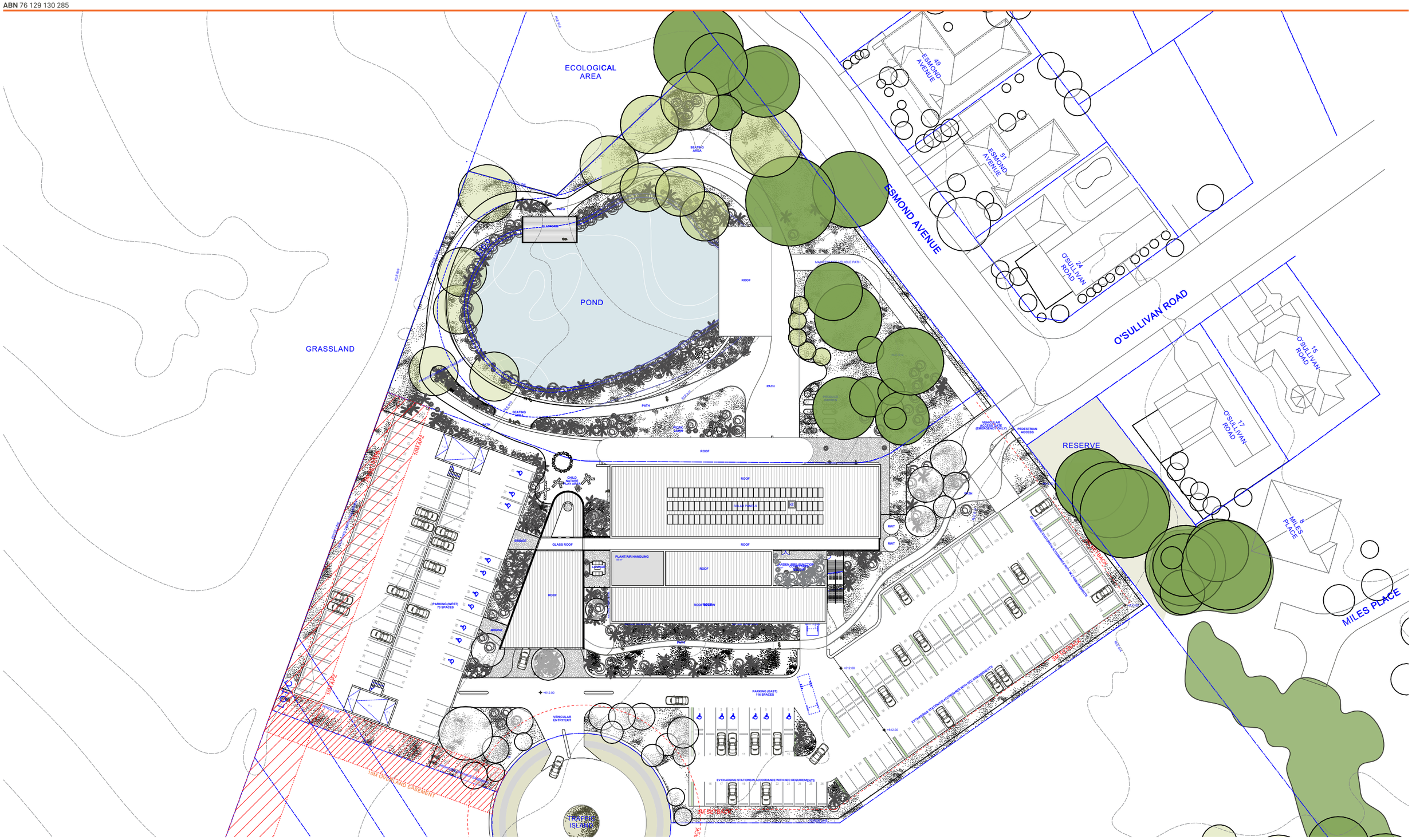
Site Plan



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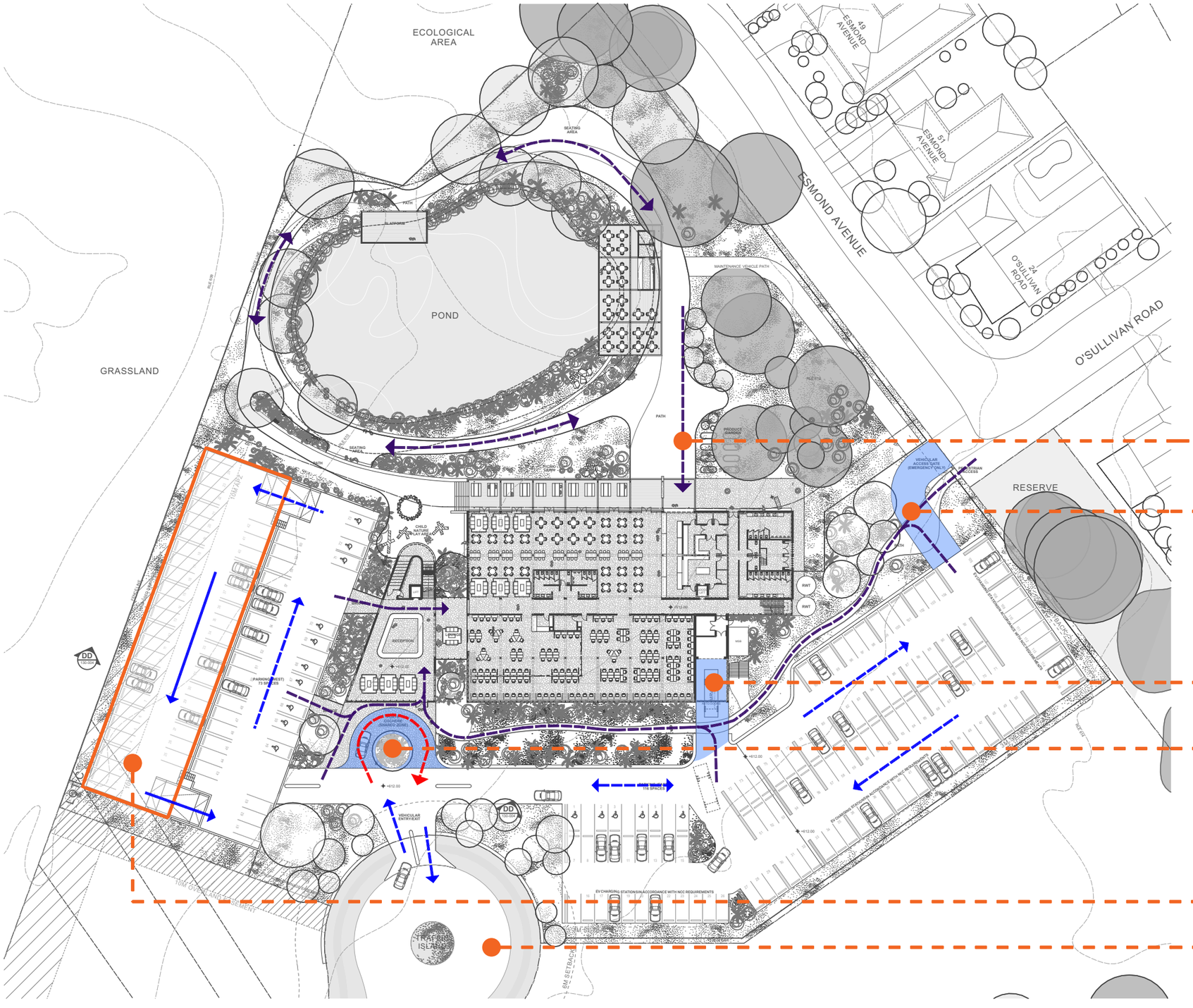

Traffic Response

Passenger Vehicles

Off the proposed entrance on Gwendoline Place, visitors arriving by vehicle are able to find parking in one of the 272 parking spaces located on site.
A porte cochere provides a safe drop off space at the building entry.

Service Vehicles

Service vehicles can access & depart the loading dock with minimal interruptions to visitor traffic.

Pedestrians

Pedestrian traffic off O'Sulivan Street is directed through the landscape to the main entrance. As much as possible, pedestrian traffic has been separated from vehicular traffic.

- PEDESTRIAN TRAFFIC
- VECHILE TRAFFIC
- PORTE COCHERE DROP-OFF

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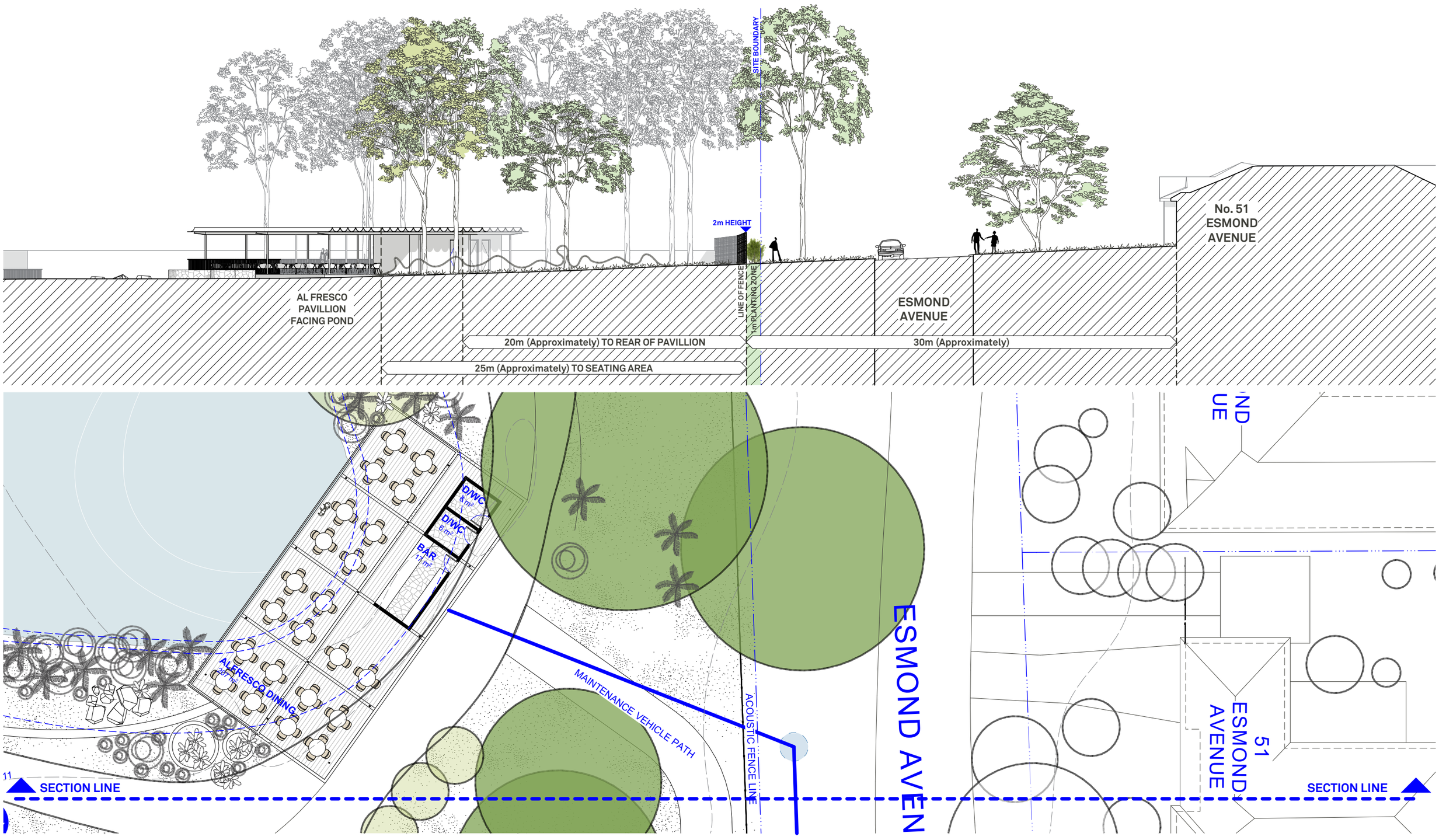
02
BUILT FORM & SCALE
Noise Mitigation



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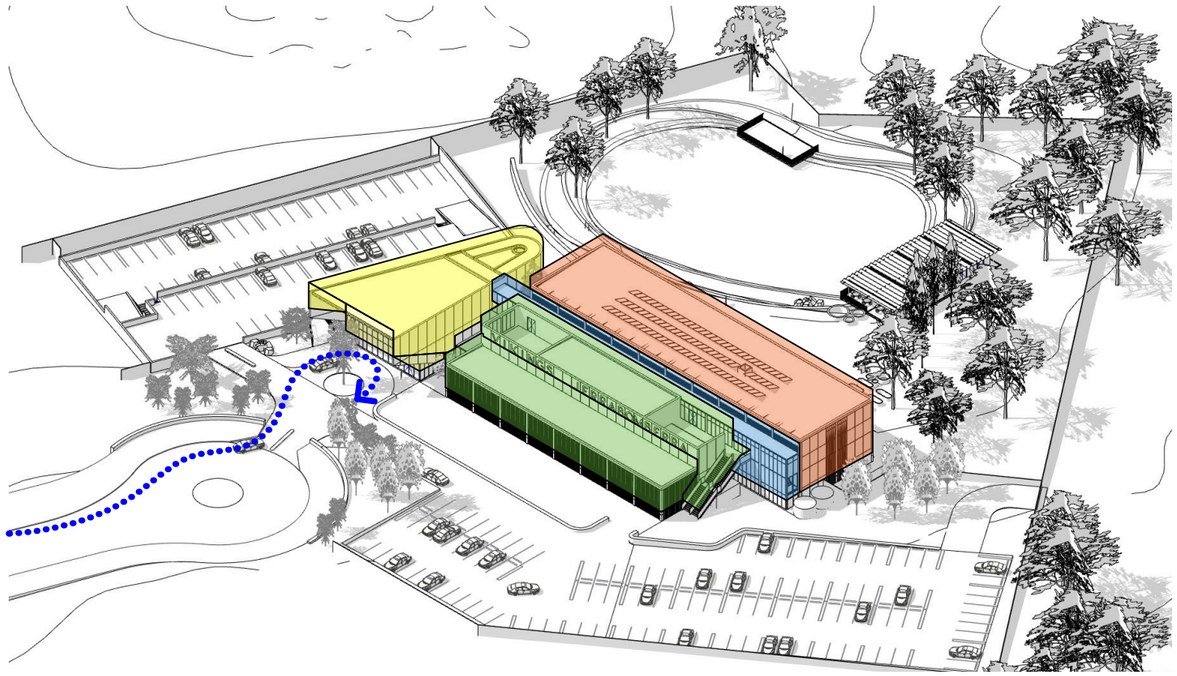

ENTRY PAVILLION
CENTRAL CORRIDOR
HOSPITALITY PAVILLION
BOH & GAMING PAVILLIONS

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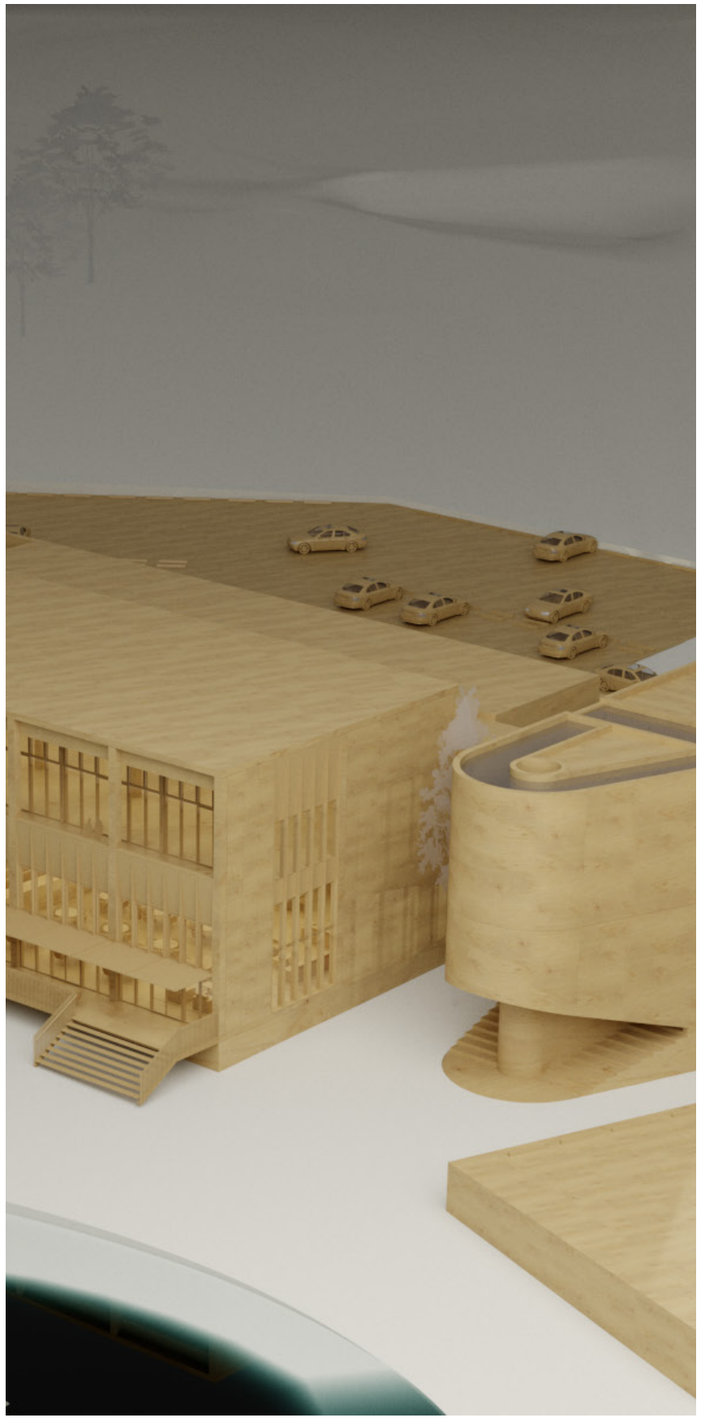
02
BUILT FORM & SCALE
Massing Model



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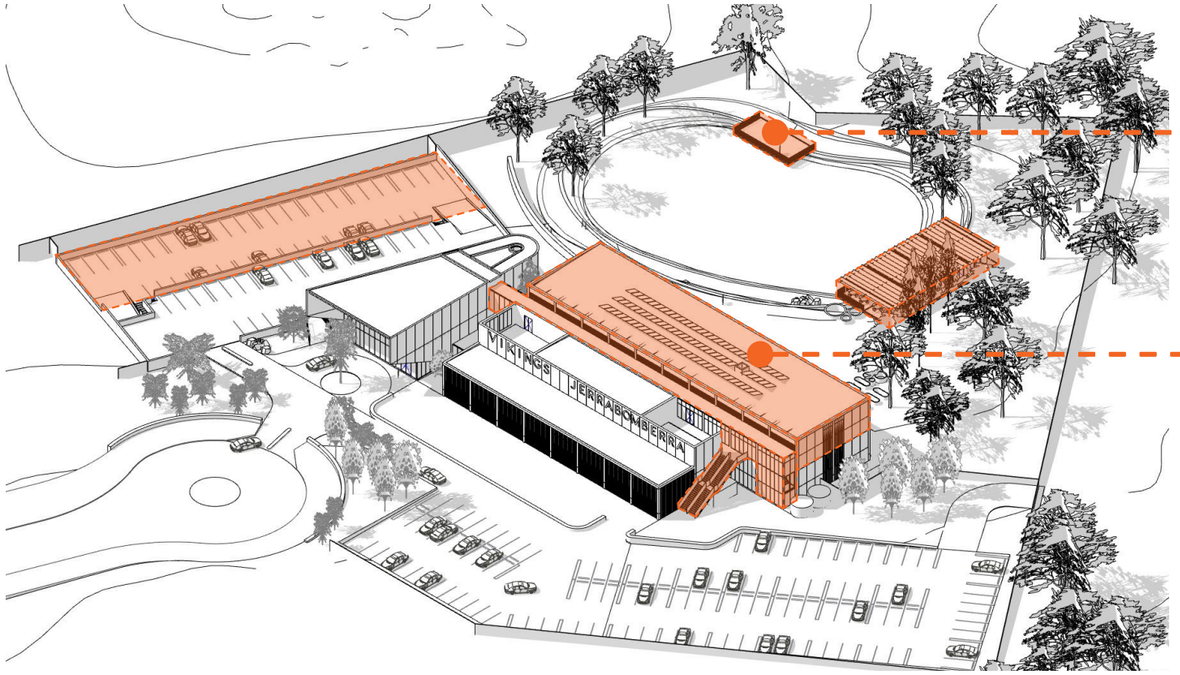

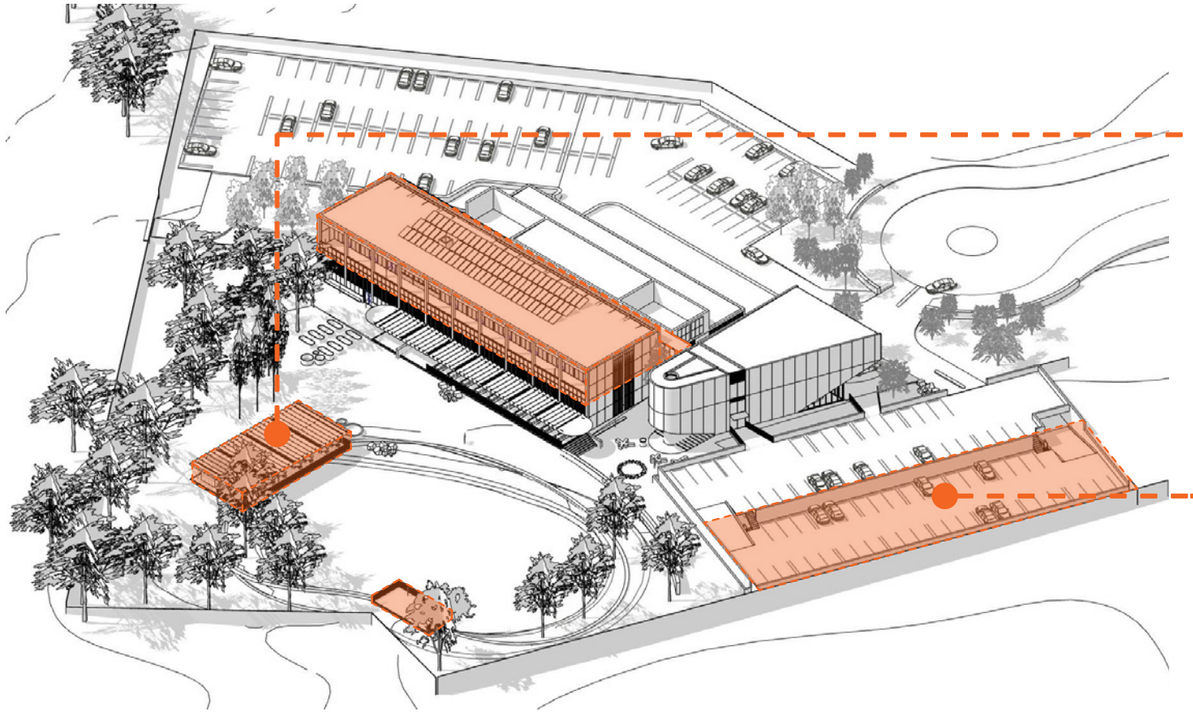

"Good design responds to and enhances the distinctive characteristics of a local area, contributing to a sense of place".

Adaptive Outlook
The proposal considers and intendeds to grow over time and the ability for the building to extend has a major influence on the design.

Stage 1 of the proposal involves a single story layout with only particular programmatic spaces within the site's brief.
The modular design of the building allows the possibility of a second level extension over the existing structure in the future as well as the addition of extra program within the brief such as the alfresco pavilion.

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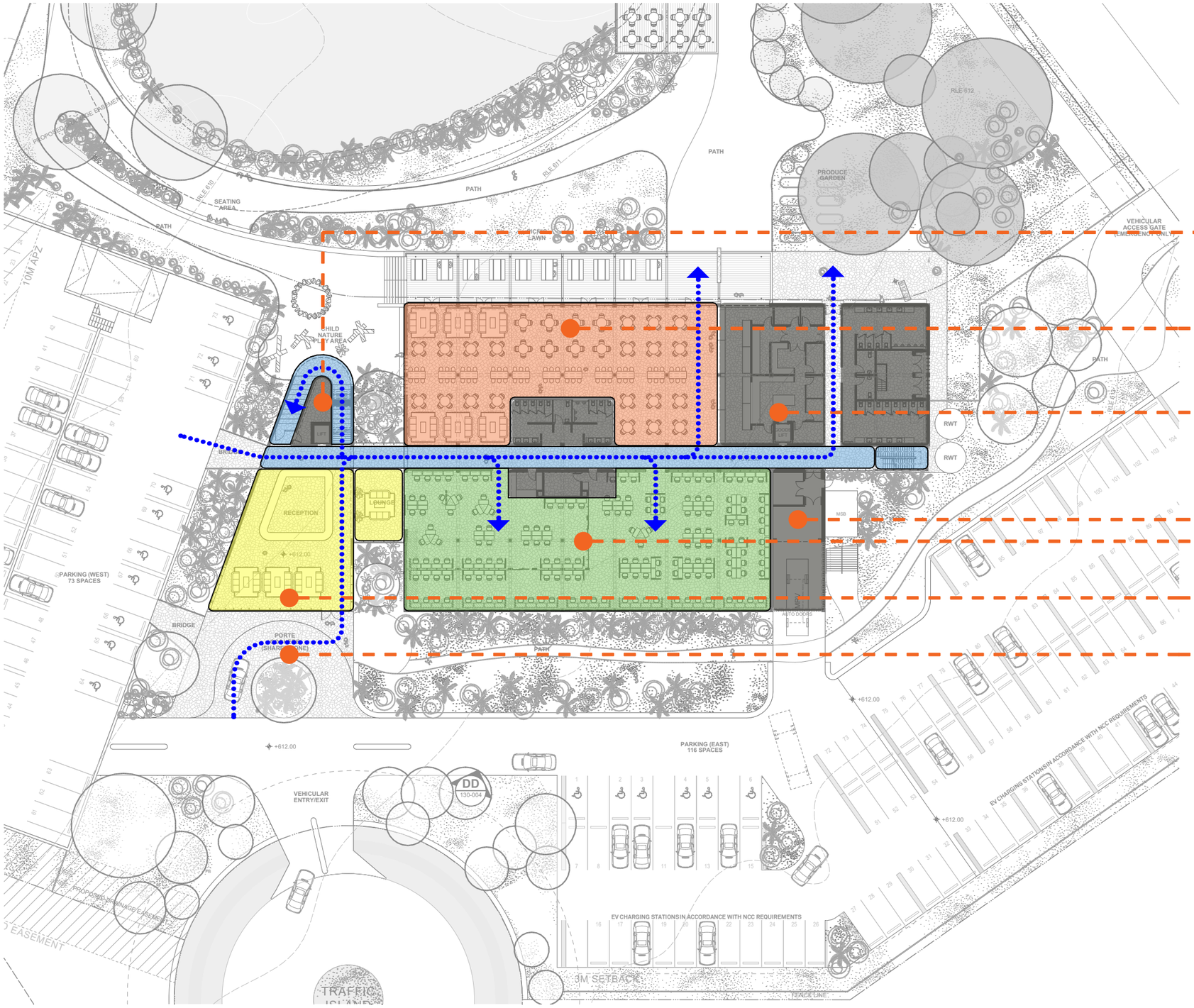

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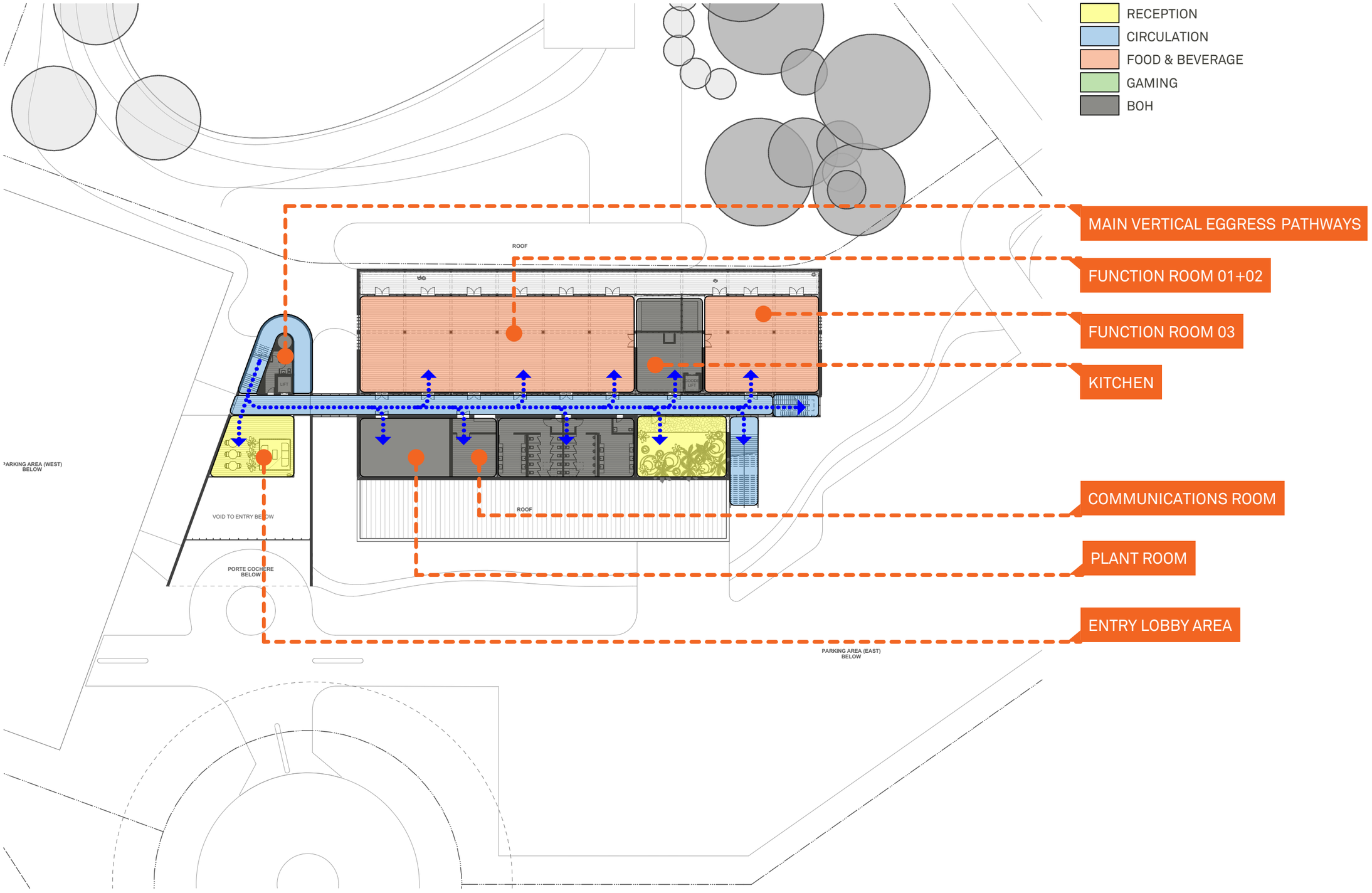

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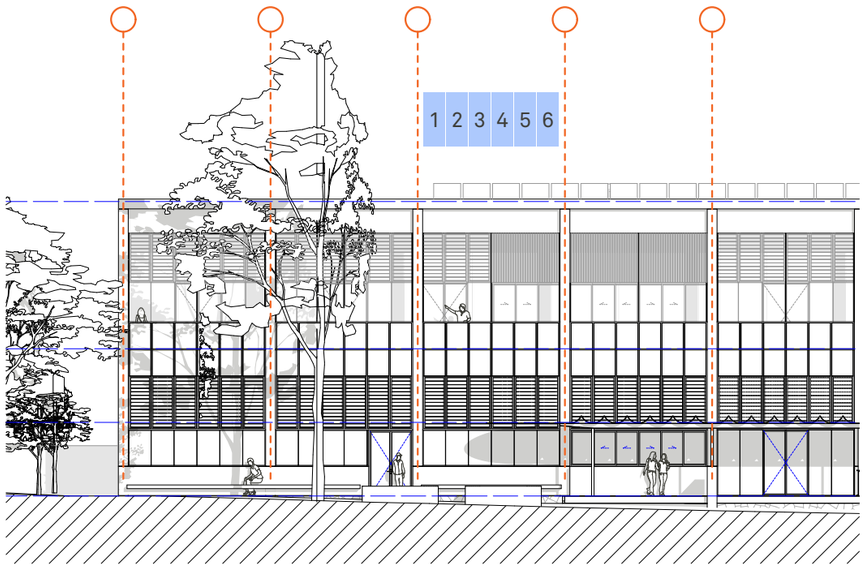
Detail of Sutherland Entertainment Centre (CHROFI)



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CONC

TMB1

TMB2

DWF

BAL1

AL1

Detail of Sutherland Entertainment Centre (CHROFI)

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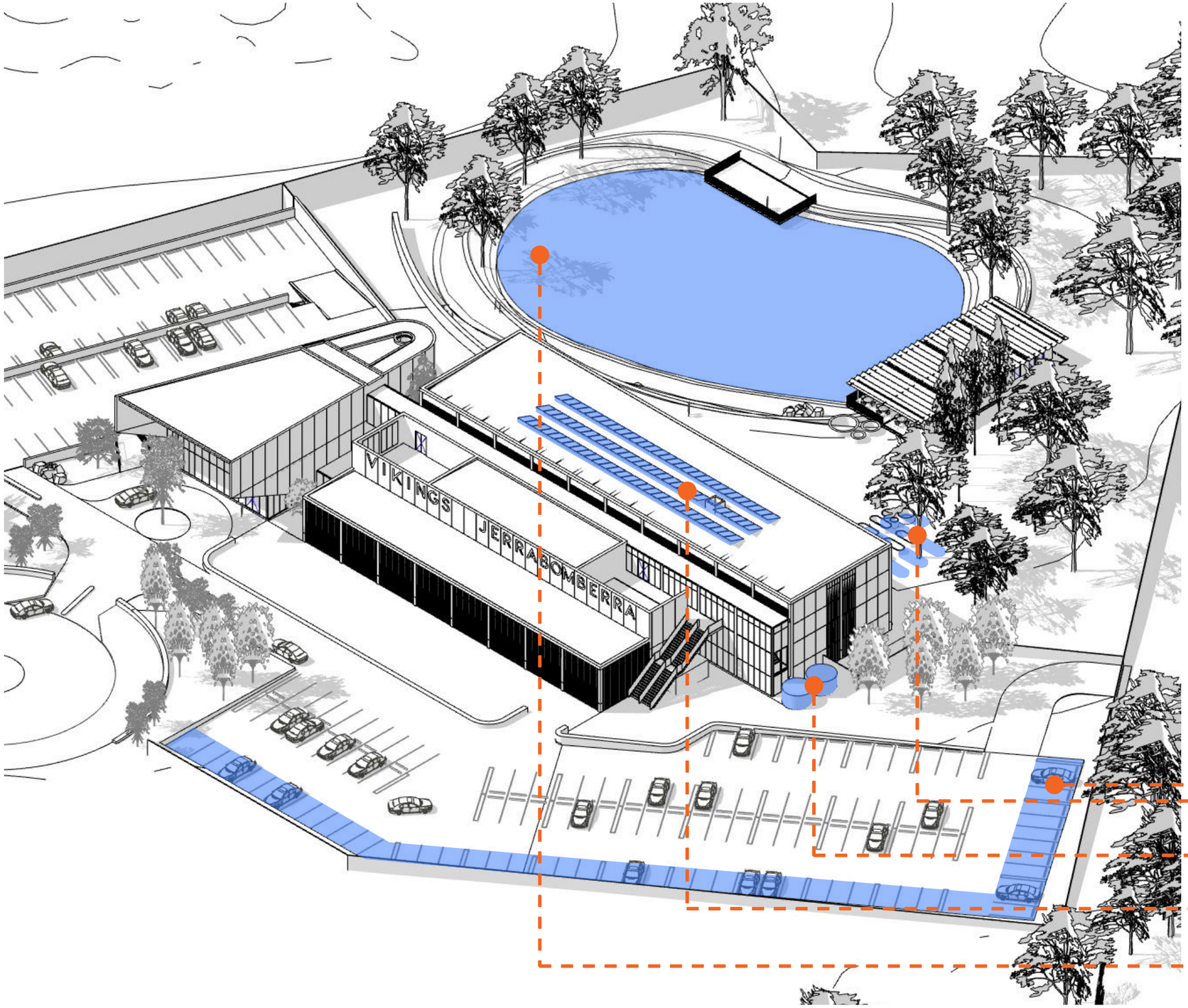

ESD Strategy
From first design principles, the project has been conceived with sustainable design in mind.

Materiality
The building's main structure (columns, beams, floors) have been designed as a low embodied carbon timber construction.
Accessive architectural ornament and glazing has been avoided to reduce energy loss & gain via the facades.

Passive Design
The design incorporates passive design to mitigate direct solar heat gain.
The entry pavillion has minimal glazing facing west and solid precast panels that prevent the internal spaces from heating up too much in summer, reducing the need for mechanical cooling.
To the north, the main building has a large shading structure on the ground floor and a large overhang on the first level, again reducing the heat load on the glazed portion of the facade.
On this level, louvers in hilight windows on the southern facade enable natural ventilation of the function rooms.

Renewable Energy
Photopholtaics on the roof provide electricity to run energy efficient LED lighting throughout the project.
EV charging stations are provided in the carpark.

Water Management
Rain & Stormwater harvested via tanks and the pond can be used to water the gardens.

Landscaping
Endemic landscaping, extensive tree canopy as well as fruit & vegetable gardens for the kitchen are all part of the landscape design for this project.
Hard surfaces again are minimised and permeable paving has taken priority to allow water to filter into the earth below.

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PAVING IN BONDED AGGREGATE

MOUNDED GARDEN BEDS

POND LANDSCAPE

STEEL GARDEN BED EDGES

FERN GARDEN

KITCHEN GARDEN

ALFRESCO DINING AREA

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Thank You.