

SHIRE OF ROEBOURNE
EST 1887

Roebourne Streetscape Master Plan
Design Development Report

City of Karratha



November 2022

Introduction

The City of Karratha is seeking to increase the quality of the streetscape and urban fabric of Roebourne (Yirramagardu) for the benefit of the town and its residents.

Project Overview

The Roebourne Streetscape Master Plan proposes a vision for the long-term goal of invigorating the town centre streetscape to encourage an attractive, vibrant, and usable space.

The City's vision is to enhance Roebourne's identity by increasing the quality of the streetscapes to North West Coastal Highway, Roe Street and Sholl Street. Strengthening links to existing natural assets such as the (Ngurin) Harding River enhances amenity and provides opportunities for cultural, community voice and expression within the town.

To date, the consultant GHD Woodhead has prepared a Master Plan Concept Design Report that discusses three implementation strategies based on future outcomes, including consideration of a future Heavy Haulage Vehicle Route.

The area considered includes North West Coastal Highway from the town boundary in the east incorporating Roe Street, up to the intersection with Cherratta Road to the South. Sholl Street from North West Coastal Highway intersection up to Queen Street. While also includes Queen, Padbury, and Wellard cross streets.

A copy of the Roebourne Streetscape Master Plan Concept Design Report, including the three options considered, is provided as an Attachment.

While not directly part of the Streetscape Master Plan, the relationship of Jubilee Park with the Harding River and the combined overall effect on the town's appearance and amenity was noted as particularly influential. In response to this, the future redevelopment of Jubilee Park and access to the Harding River are potential standalone projects also emanating from Keogh Bay Report in the forthcoming years.

Addressing the critical objectives for the project, Concept Option Three has been recommended as the best long-term outcome for Roebourne as it significantly enhances the streetscape and amenity. However, given the scale, cost, and ambition of the plan, and that some elements recommended are outside of the

City's control, this option will be identified as the Roebourne Streetscape Master Plan Vision and progressively staged over time (potentially up to fifteen (15) years) and as funds are allocated.

This approach enables immediate works to progress, being mindful of the long-term aim while responding to significant future developments, including the associated RAV network considerations, which may impact the design. In July 2022, the City of Karratha Councillors endorsed a staged strategy to see this vision implemented, with the first staged to be designed and constructed in the 2022/ 23 Financial Year.



Phase 1,2 and 3 extent of works



Artist impression of Roe and Padbury street intersection

PHASE ONE CONSTRUCTION 2022/2023



Phase One includes the below works:

1. Introduction of new new pavement, trees, planting, and seating
2. Improve pedestrian safety
3. Provide/indicate art and community interpretation opportunities
4. Initial tree planting to be designed with future design changes and opportunities
5. Initial pedestrian movements and paths to be designed with future design changes and opportunities

PHASE TWO CONSTRUCTION 2024/2025



Phase Two includes the below works:

1. Activate the area between Jubilee Park and the Yinjaa Barni Art Centre, Old Shire Office, and General Store
2. Providing (partial) shade structures to complement existing and future uses
3. Realise and indicate signage opportunities with First Nation and traditional name
4. Continue with infill areas of pavement, trees, planting, and seating

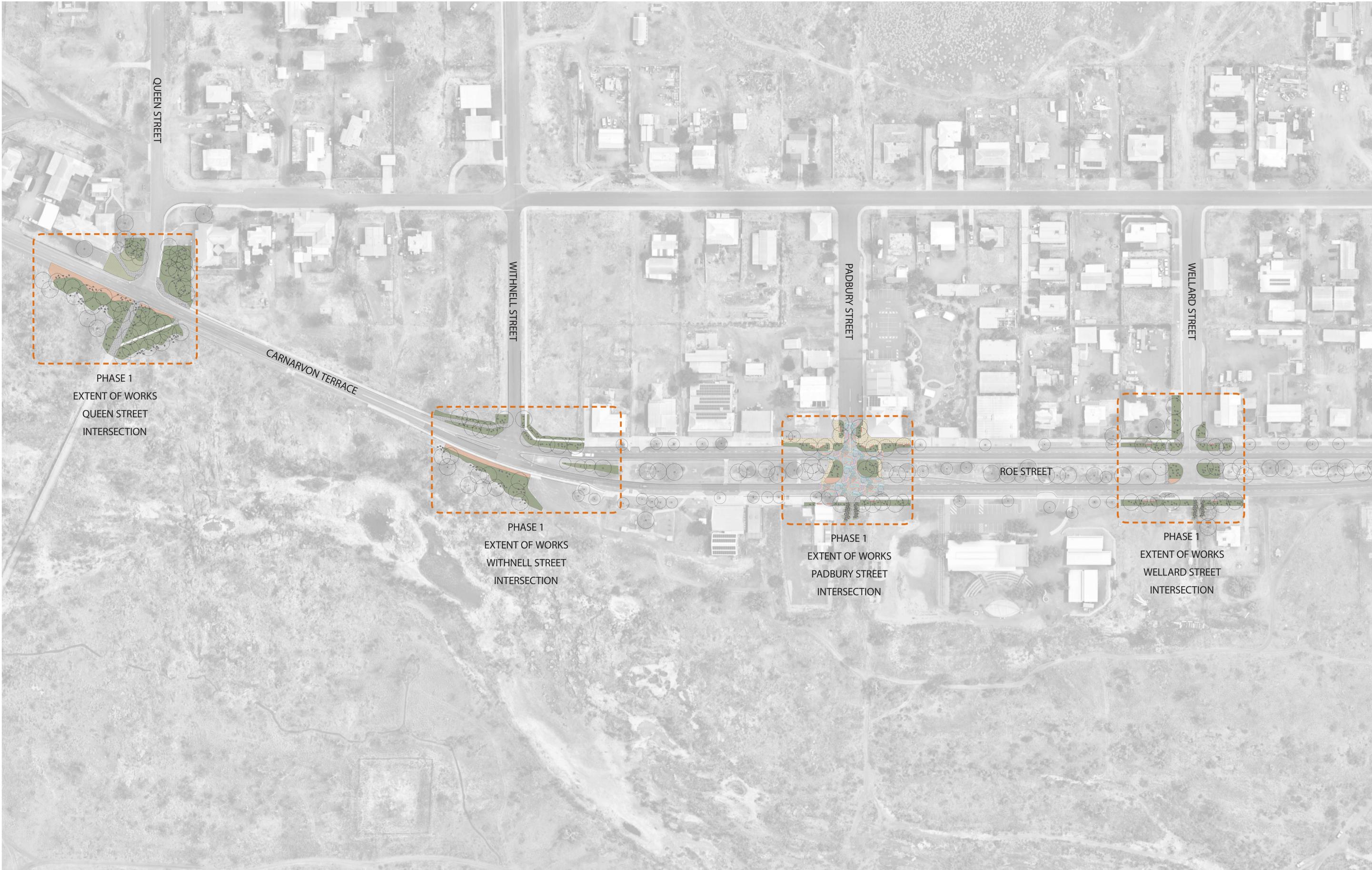
PHASE THREE CONSTRUCTION 2026/2027



Phase Three includes the below works:

1. Assuming the RAV Heavy Haulage Route has been implemented
2. Kerb line realignment to develop the main street design
3. Central island median landscaping infill
4. New angled parking bays, with long vehicle parking off Roe Street
5. Additional shade structures to complement existing and future uses
6. Further infill areas of pavement, trees, planting and seating

RAV Heavy Haulage Route/Bypass road construction completed



PHASE 1
EXTENT OF WORKS
QUEEN STREET
INTERSECTION

PHASE 1
EXTENT OF WORKS
WITHNELL STREET
INTERSECTION

PHASE 1
EXTENT OF WORKS
PADBURY STREET
INTERSECTION

PHASE 1
EXTENT OF WORKS
WELLARD STREET
INTERSECTION

Roebourne Streetscape

Phase 1 Location Plan

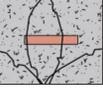
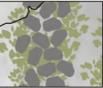
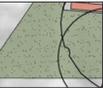
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Carnarvon Tce & Roe Street, Roebourne

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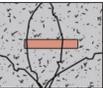


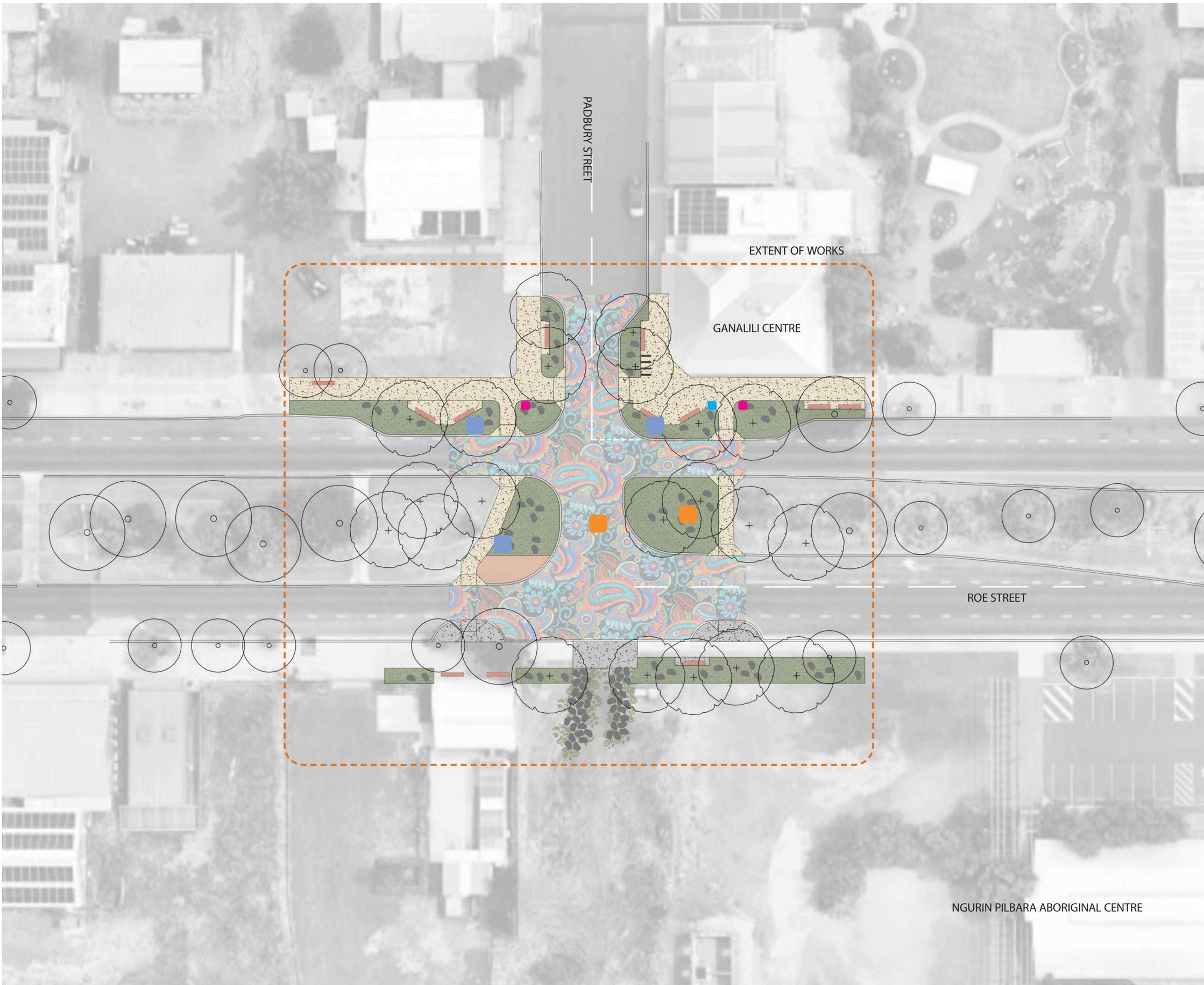
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-  LOW SHRUB & GROUND COVER PLANTING
-  TURF
-  SIGN- WAYFINDING & INTERPRETATION
-  ARTWORK

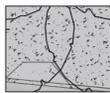
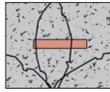
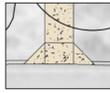
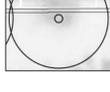
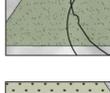


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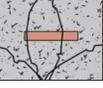
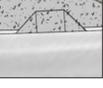


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QUEEN STREET

CARNARVON TERRACE

WITHNELL STREET

PADBURY STREET

WELLARD STREET

PHASE 2 - EXTENT OF WORKS

PHASE 2 - EXTENT OF WORKS

WITHNELL ST TO PADBURY ST

PADBURY ST TO WELLARD ST

ROE STREET

Yirramagardu/Roebourne Streetscape

Phase 2 Location Plan

Prepared for **City of Karratha**

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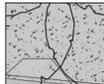
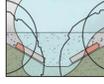
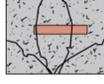
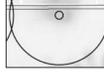
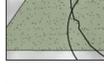
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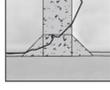
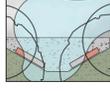
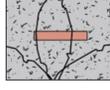
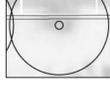
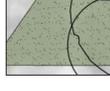


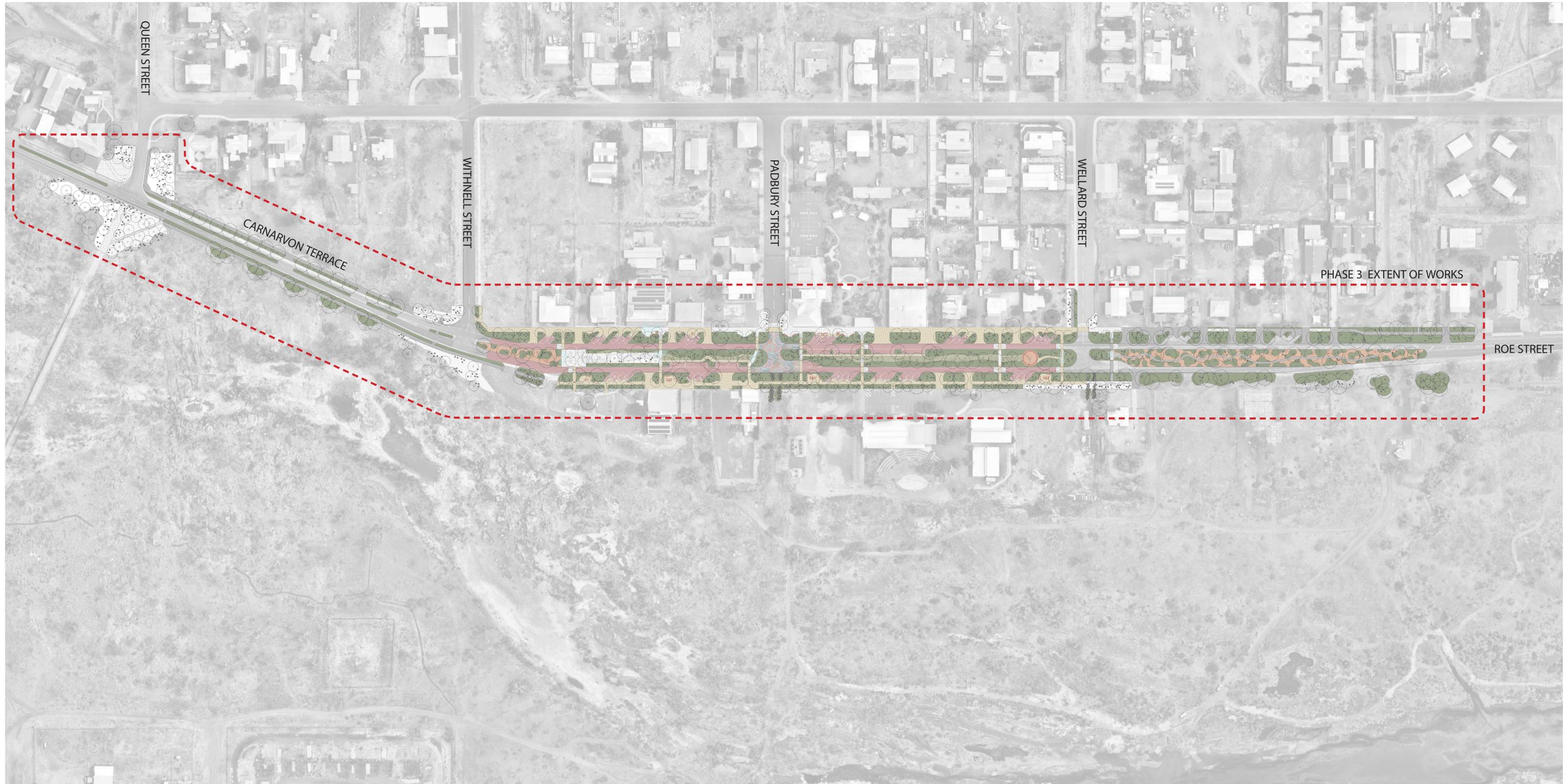
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Yirramagardu/Roebourne Streetscape
Phase 3 Location Plan

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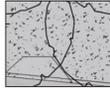
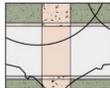
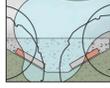
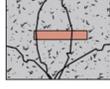
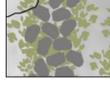
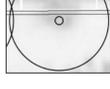
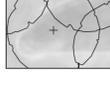
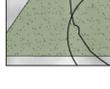
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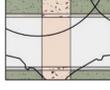
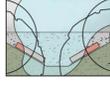
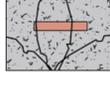
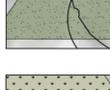


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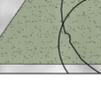
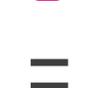


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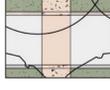
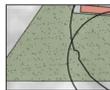


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Phase 3 Roe Street

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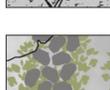
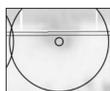
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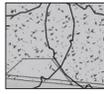
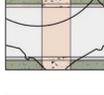
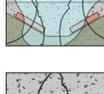
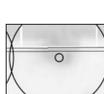
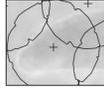
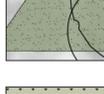
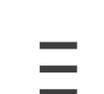


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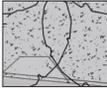
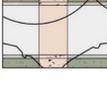
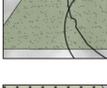
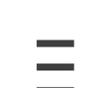


LEGEND

-  PROPOSED NEW INSITU CONCRETE PAVEMENT TO MATCH EXISTING
-  PROPOSED NEW EXPOSED AGGREGATE PAVEMENT
-  GRAVEL PAVEMENT
-  WOMBAT CROSSING
-  SHADE STRUCTURE
-  PROPOSED BENCH SEATS
-  PROPOSED LARGE ROCK BOULDERS
-  RETAINED EXISTING TREES
-  PROPOSED NEW MATURE TREES
-  LOW SHRUB & GROUND COVER PLANTING
-  TURF
-  RUBBISH BIN
-  BICYCLE RAILS
-  DRINKING FOUNTAIN
-  SIGN- WAYFINDING & INTERPRETATION
-  ARTWORK



LEGEND

-  PROPOSED NEW INSITU CONCRETE PAVEMENT TO MATCH EXISTING
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-  SIGN- WAYFINDING & INTERPRETATION
-  ARTWORK

Yirramagardu/Roebourne Streetscape
Phase 3 Roe Street

Prepared for **City of Karratha**
Carnarvon Tce & Roe Street, Roebourne

GHDWOODHEAD

999 Hay Street Perth WA 6000 / PO Box 3106 Perth WA 6832
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Job No: **12591333** / Date: **31 Oct 2022**

Approved: **IP** / Scale: **1:250 @ A1**

Drawing No: **00-00-SK016** / Rev: **D**



-  BUILDING MURALS AND PAINTINGS
-  SCULPTURES
-  STREETScape ART



To reflect and express the local landscape



Interactive tactile artworks



Large scale artworks for awe and wonder



Murals and painted artwork to buildings and pavement



Smaller scaled artwork to discover and delight



Stories, narratives and language celebrated and expressed

Roebourne Streetscape

Art Opportunities

Prepared for **City of Karratha**
 Carnarvon Tce & Roe Street, Roebourne

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 Approved: IP / Scale: NTS @ A3
 Drawing No: **00-00-SK017** / Rev: **D**

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-  INTERPRETATION
-  WAYFINDING SIGNS



Local stories, events and characters celebrated through artworks



Expression of language and country



Interpretation information integrated into walls, seating, shade shelters



Celebration and expression of place integrated in streetscape



Stories



Local narratives and history

Roebourne Streetscape

Interpretation Opportunities

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Holcim Foreshore Beach Exposed Aggregate Concrete Pavement



Insitu Grey Broom Finish Concrete Pavement



Red Bitumen Road (for Phase 3)



Whundo Stone Gravel Pavement



Local Granite Boulders & Cut Stone Plinths



Karratha Stone Walls (for Phase 3)



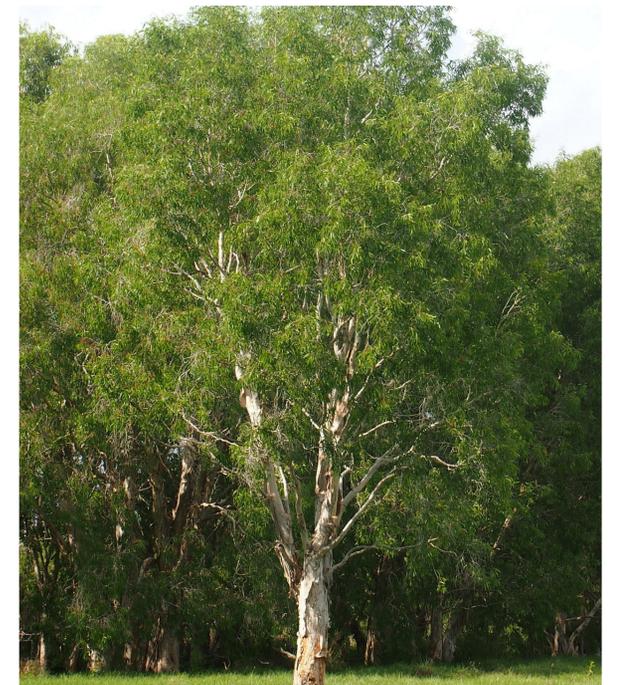
Delonix regia - Royal Poinciana



Eucalyptus Leucophloea - Snappy Gum, (Majgan tree)



Brachychiton acuminatus - Kurrajong



Melaleuca leucadendra - Weeping Paperbark



Peltophorum pterocarpum - Yellow Jacaranda



Acacia xiphophylla - Snakewood



Plumeria Obtusa - Franjapani tree



Albizia saman - Rain tree



Swainsonia Formosa – Sturt desert pea



Ptilotus exaltatus – Pink Mulla Mulla



Bougainvillea Glabra nana – dwarf



Mulla mulla, Eremophila and grasses



Contrasting mix of exotic and local plant species



Cassia oligophylla



Lomandra Nyalla



Triodia lanigera



Botton & Gardiner Terrain Timber Bench



Botton & Gardiner Terrain Timber Bench on top of local stone plinths



Local Cut Granite Stone Plinths



Example of timber seats on top of local stone plinths (Beverley WA)



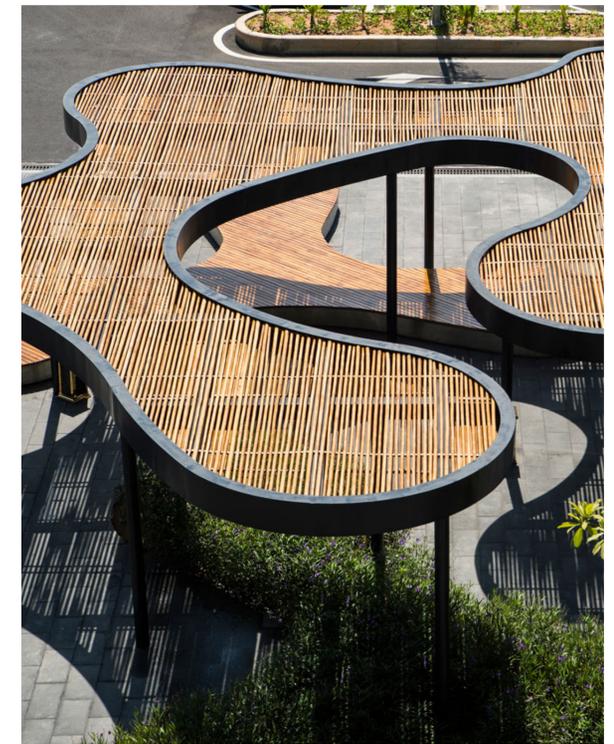
Botton & Gardiner Prospect Bike Racks



Botton & Gardiner Bondi Bin 240lt Rubbish Bin Enclosure (colour example only final colour to be confirmed)



Botton & Gardiner Prospect Drinking Fountain with Dog Bowl



Custom Design Shade Structure (to be designed)

Indicative Future Bypass Route



Proposed Entry Sign Location Plan

Roebourne Streetscape

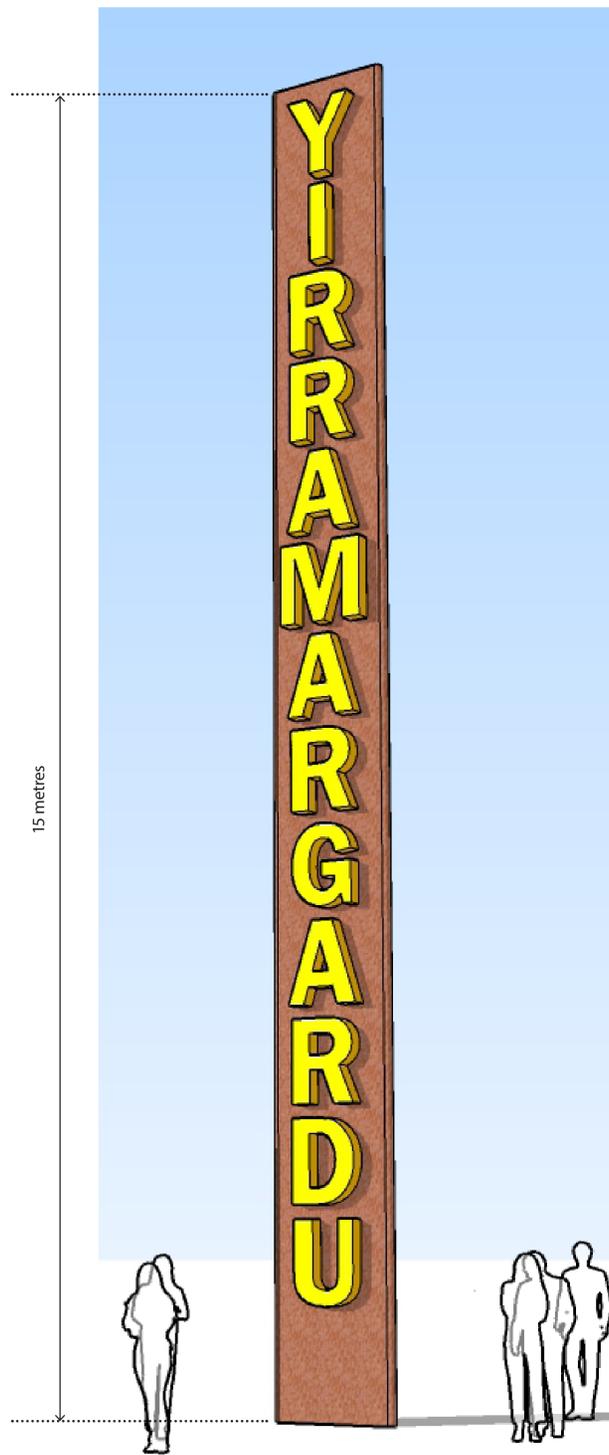
Proposed Entry Sign Location

Prepared for **City of Karratha**
Carnarvon Tce & Roe Street, Roebourne

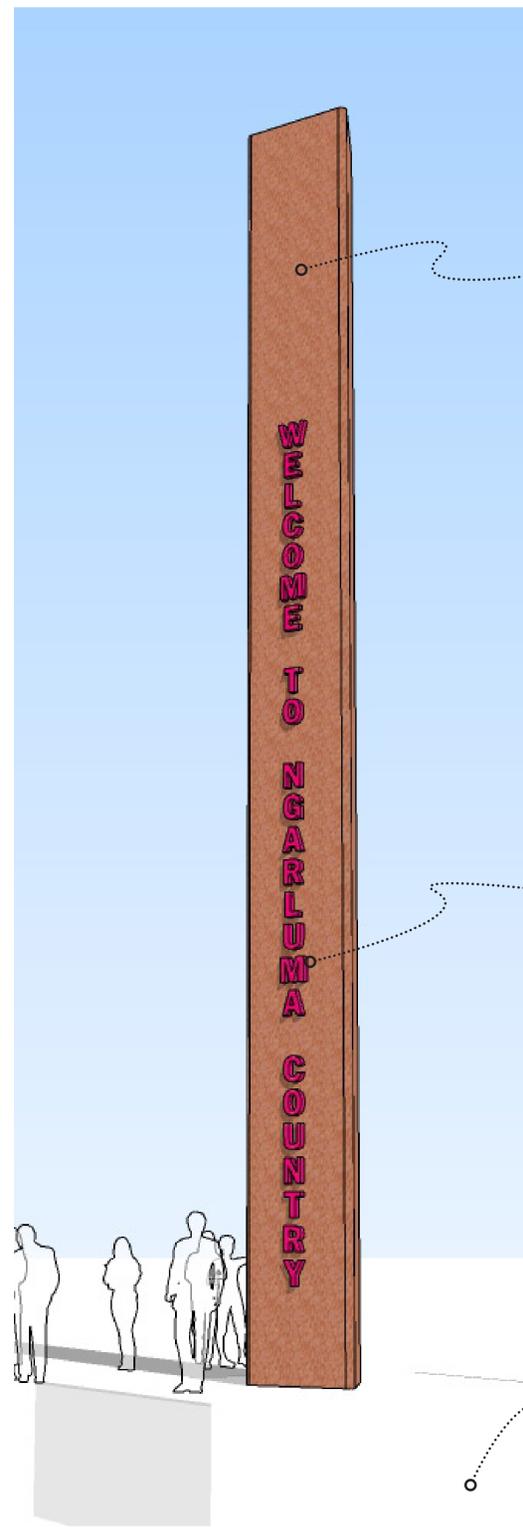
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Front View

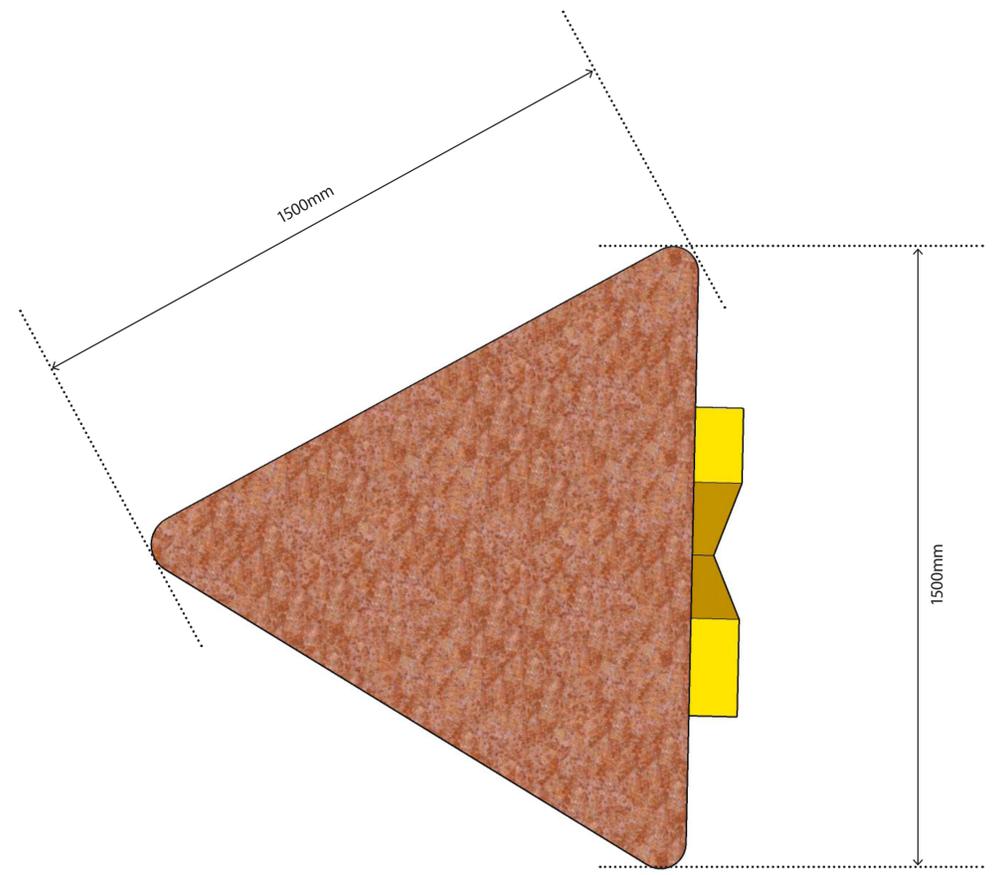


Rear View

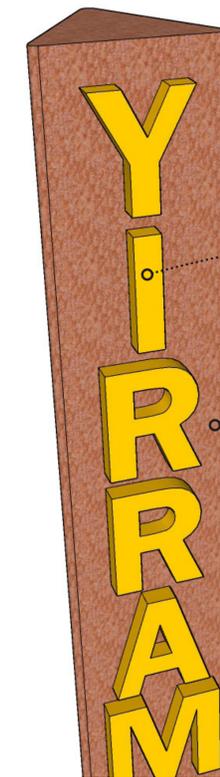
Rear faces provide opportunity for art work, interpretation and alternative name recognition

Welcome to Country

Indicative footing have been confirmed by our structural engineers. A 4.5m x 4.5m x 1.2m deep footing has been confirmed but can be refined during the detail design stage



Plan View



900mm high painted steel solid 3D letters with 150mm spacing
Paint finish to be 2 pack epoxy colour : To be confirmed

Corten Steel skin fully welded to structural steel frame

Lettering Detail