

**WANGARA WASTE TRANSFER STATION -  
86 MOTIVATION DR, WANGARA  
(LOT 552 ON DP 406640)**

## LEGEND

 Site Boundary

### Rail Network

 Railway Stations

 Railway Lines

### Western Australian Roads

 Freeway / Highway

 Main Road

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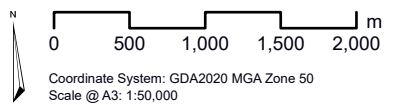


## SITE LOCALITY

Wangara Waste Transfer Station

Environmental Assessment &  
Management Plan

City of Wanneroo



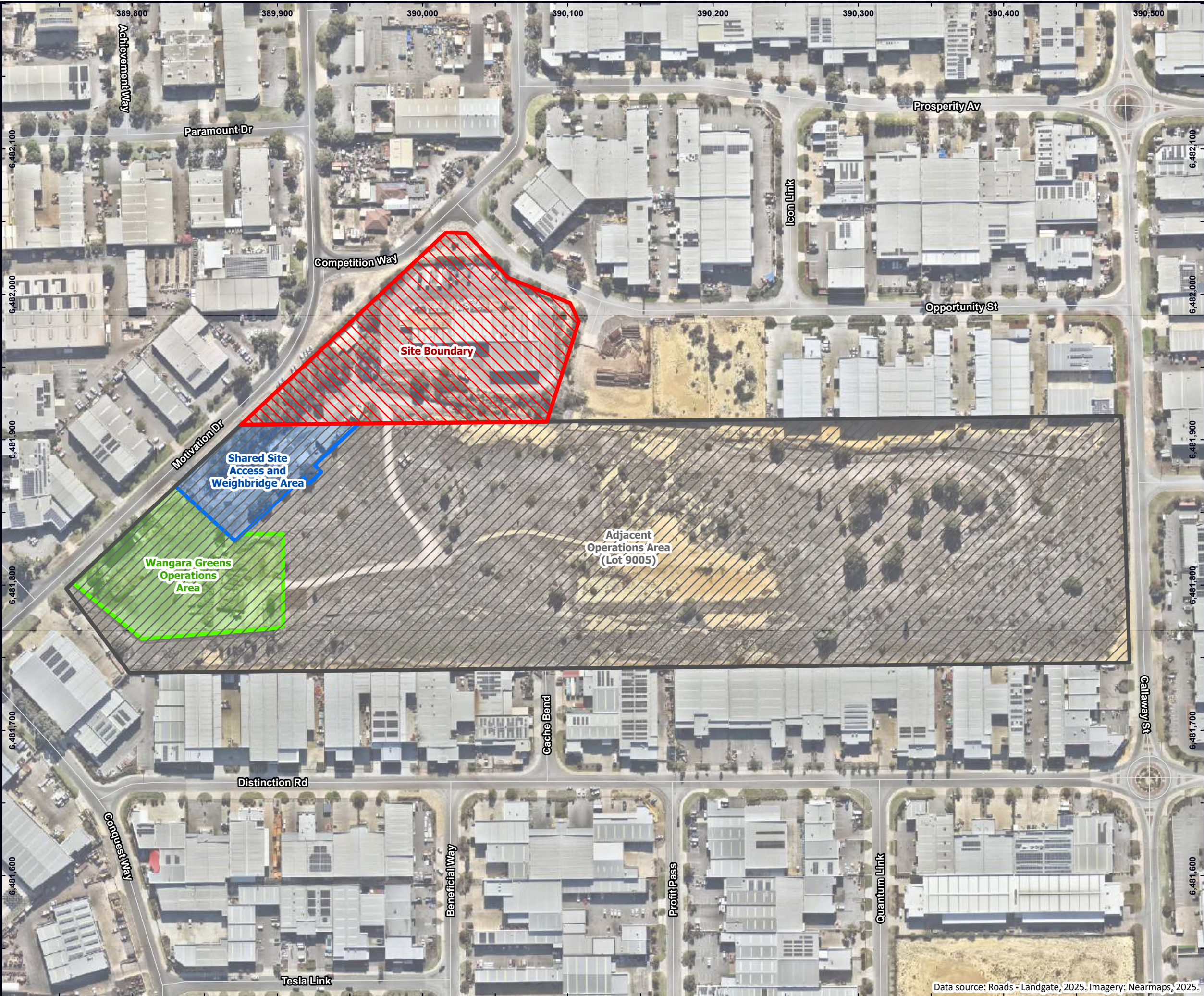
Prepared:	Date: 28/04/2025
Reviewed:	Revision: A
Project:	TW25021



Figure 01

Data source: Roads, Rail - Landgate, 2025; Imagery: Landgate, 2025.





LEGEND

Site Boundary

Adjacent Operations Area (Lot 9005)

Shared Site Access and Weighbridge Area

Wangara Greens Operations Area

Western Australian Roads

Minor Road

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DEVELOPMENT AREAS

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo

N

020406080100

m

Coordinate System: GDA2020 MGA Zone 50

Scale @ A3: 1:2,500

Prepared: [REDACTED]

Date: 5/06/2025

Reviewed: [REDACTED]

Revision: A

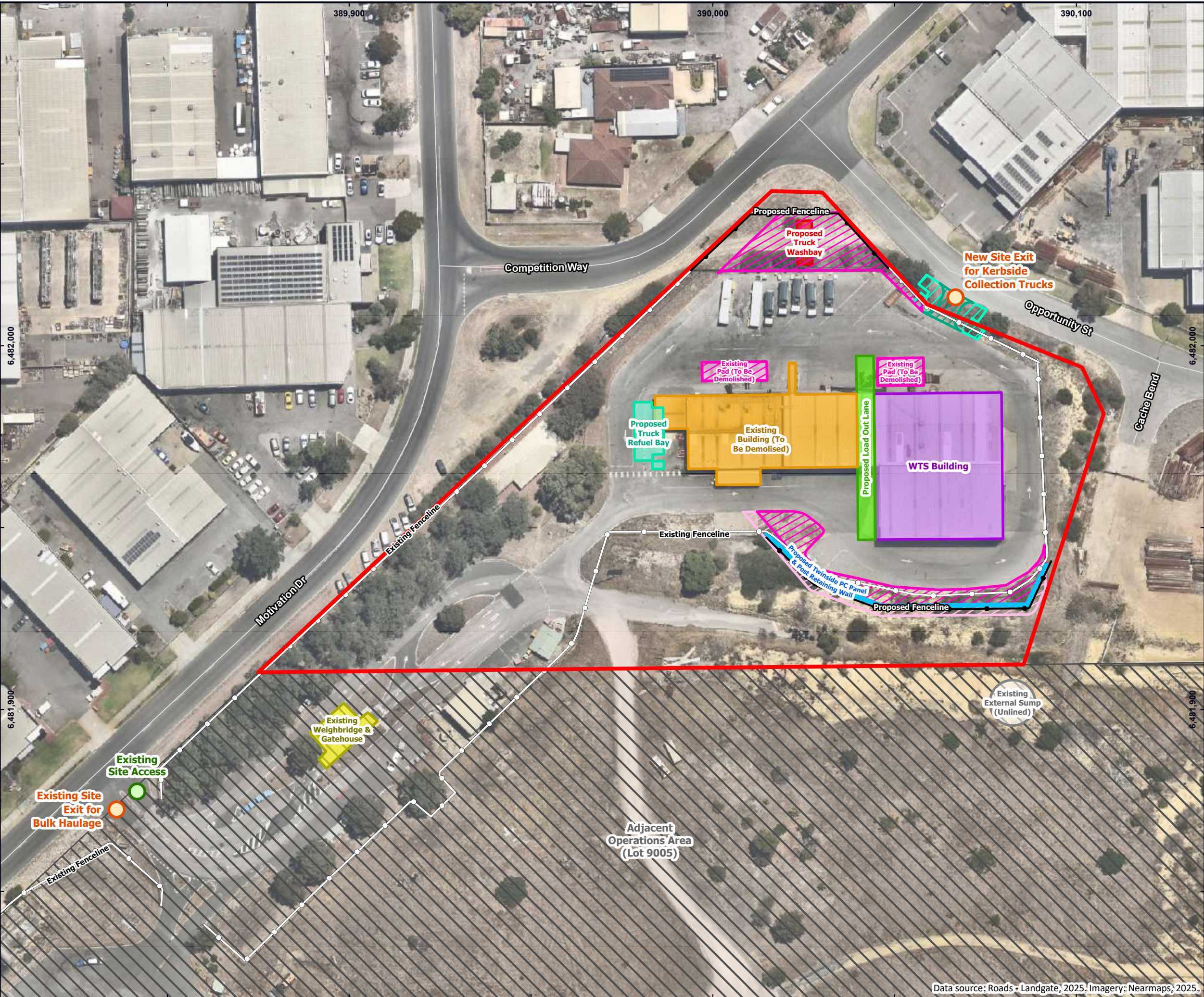
Project: TW25021

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Figure 02





### LEGEND

- Site Boundary
- Adjacent Operations Area (Lot 9005)
- Site Access Points
  - Entry / Exit Point
  - Exit Point
- Fencelines
  - Existing Fenceline
  - Proposed Fenceline
- Site Features
  - Existing Features
    - Existing External Sump (Unlined)
    - Existing Weighbridge & Gatehouse
    - Existing Building (To Be Demolished)
    - Existing Pad (To Be Demolished)
  - Proposed Features
    - Proposed Truck Washbay
    - Proposed Load Out Lane
    - Proposed Truck Refuel Bay
    - Proposed Twinside PC Panel & Post Retaining Wall
    - Proposed WTS Building
    - Proposed New Entrance
    - Proposed Pavement & Seal
  - Buffer Zones (3m)
    - Vegetation Clearing Buffer
    - Proposed New Entrance Buffer
- Western Australian Roads
  - Minor Road



### SITE LAYOUT

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo

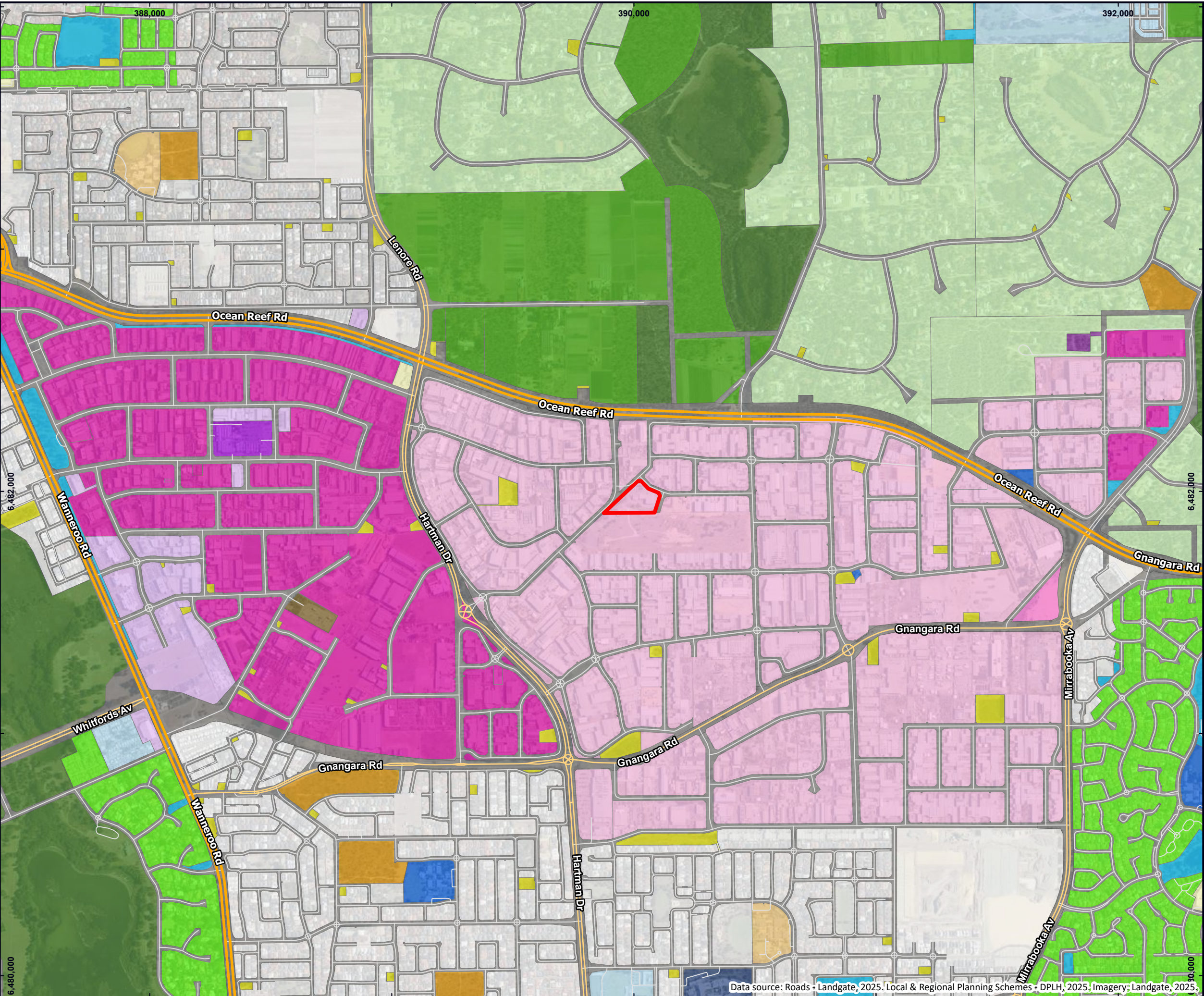
Coordinate System: GDA2020 MGA Zone 50  
Scale @ A3: 1:1,000

Prepared: [Redacted] Date: 5/06/2025  
Reviewed: [Redacted] Revision: B  
Project: TW25021

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Figure 03





### LEGEND

Site Boundary

**Local Planning Scheme**

Commercial

Drainage/waterway

Education

Environmental conservation reserve

General industry

Industrial development

Light industry

Private community purposes

Public open space

Public purposes

Rural residential

Residential

Rural

Service commercial

Special use

Urban development

Roads

**Regional Planning Scheme**

Parks and recreation

Public purposes - State Energy Commission

Public purposes - high school

Public purposes - special uses

Urban

Roads

**Western Australian Roads**

Freeway / Highway

Main Road

Minor Road

Other

**LOCALITY**

0 10 20 30 40 50 km

**ZONING**

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo

0 200 400 600 m

Coordinate System: GDA2020 MGA Zone 50  
Scale @ A3: 1:15,000

Prepared: Date: 5/06/2025

Reviewed: Revision: A

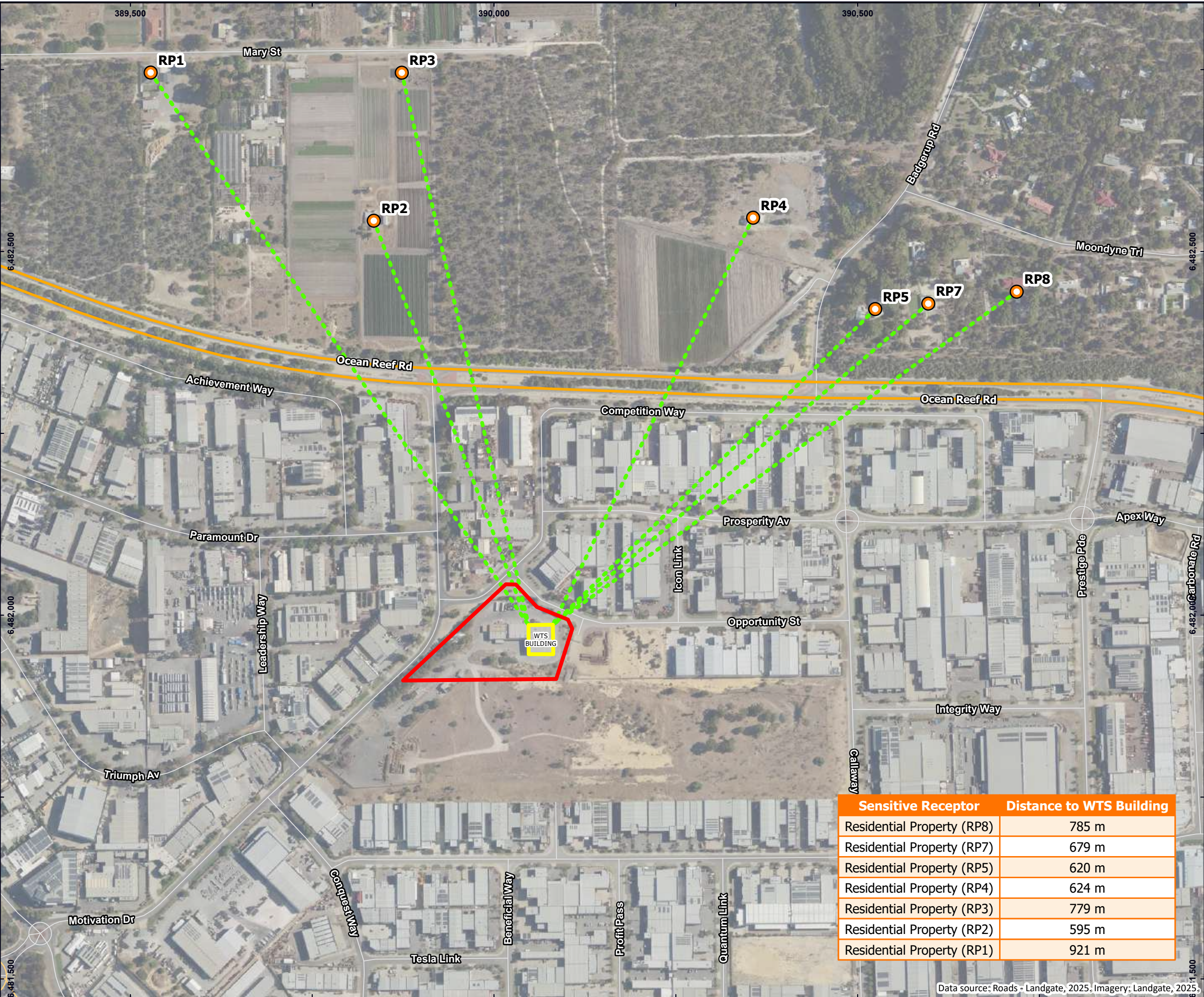
Project: TW25021

Figure 04

Data source: Roads - Landgate, 2025, Local & Regional Planning Schemes - DPLH, 2025, Imagery: Landgate, 2025,

Document Path: \\server\\talis\\SECTIONS\\Waste\\PROJECTS\\TW2025\\TW25021 - Wanneroo Wangara WTS Approvals\\GIS\\Maps\\TW25021 - Wanneroo Wangara WTS Approvals\\TW25021 - Wanneroo Wangara WTS Approvals.aprx





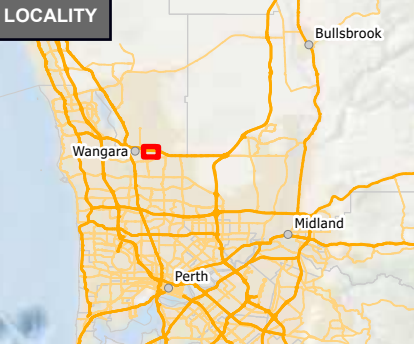
Sensitive Receptor	Distance to WTS Building
Residential Property (RP8)	785 m
Residential Property (RP7)	679 m
Residential Property (RP5)	620 m
Residential Property (RP4)	624 m
Residential Property (RP3)	779 m
Residential Property (RP2)	595 m
Residential Property (RP1)	921 m

Data source: Roads - Landgate, 2025; Imagery: Landgate, 2025.

LEGEND

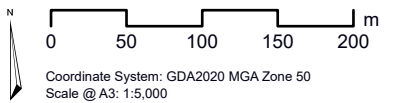
- Site Boundary
- WTS Building
- Sensitive Receptors**
  - Sensitive Receptors
  - Separation Distances
- Western Australian Roads**
  - Freeway / Highway
  - Main Road
  - Minor Road

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SEPARATION DISTANCES

Wangara Waste Transfer Station  
Environmental Assessment & Management Plan  
City of Wanneroo



Prepared: [Redacted] Date: 5/06/2025  
Reviewed: [Redacted] Revision: A  
Project: TW25021



Figure 05



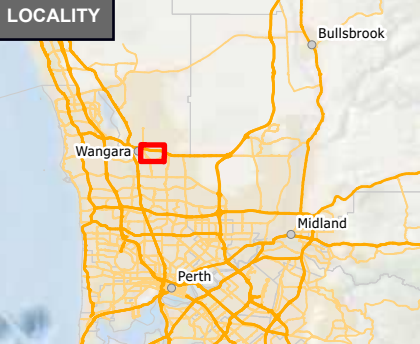


Data source: Roads, Topography - Landgate, 2025, Imagery: Landgate, 2025.

## LEGEND

- Site Boundary
- Ground Surface Topography**
  - Major Contour (m AHD)
  - Minor Contour (m AHD)
- Western Australian Roads**
  - Minor Road

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## TOPOGRAPHY

Wangara Waste Transfer Station  
Environmental Assessment & Management Plan  
City of Wanneroo

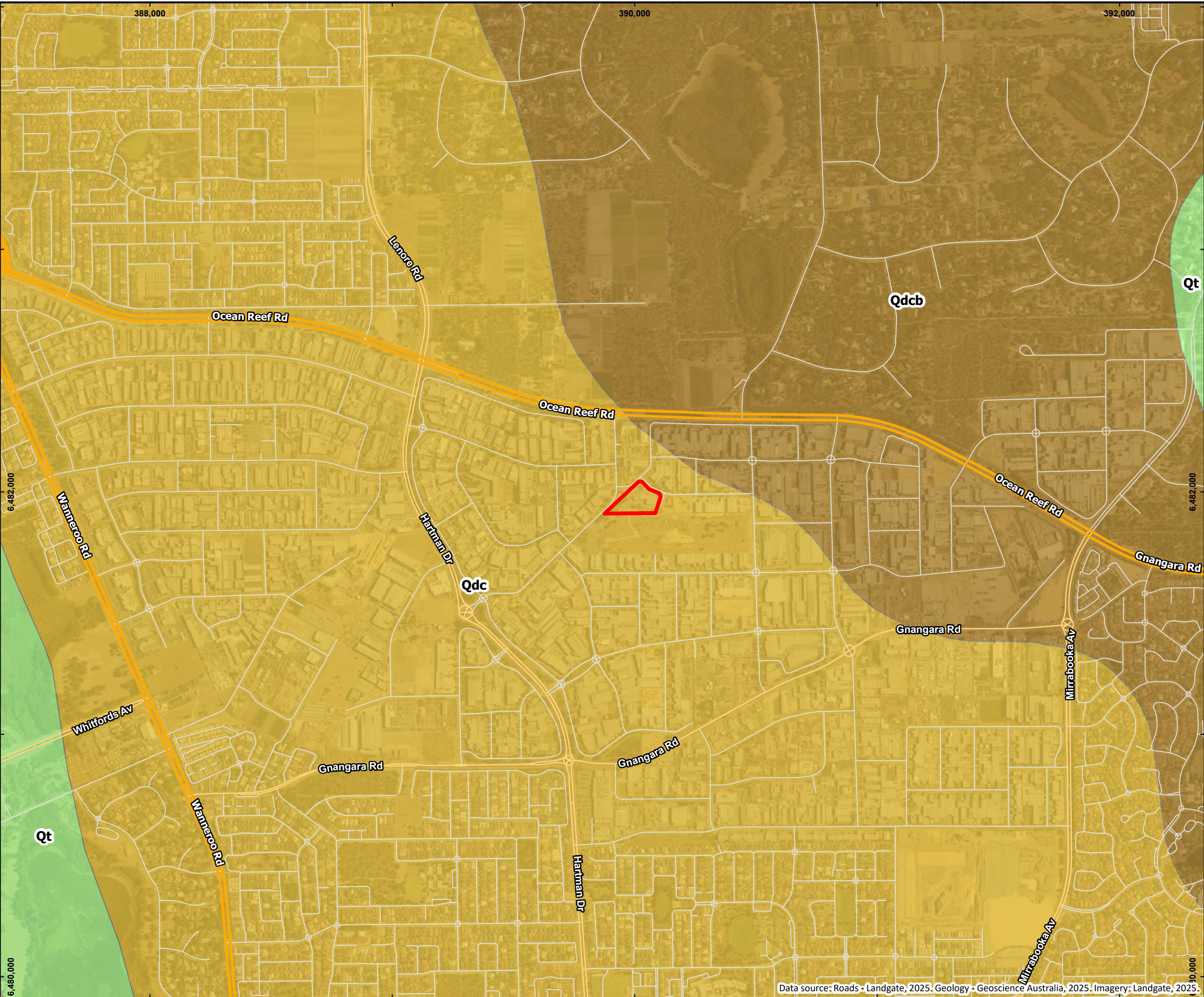


Prepared:		Date:	5/06/2025
Reviewed:		Revision:	A
Project:	TW25021		



Figure 06





**LEGEND**

Site Boundary

**Surface Geology (GA)**

Qdc: Coastal sand dunes, beach sand, barrier beaches, foredune, beach ridges; calcareous and siliceous, locally shelly and/or cemented (beach rock); locally reworked

Qdcb: Basal conglomerate overlain by dune quartz sand with heavy mineral concentrations

Qt: Lake and swamp deposits; mud, silt, evaporites, limestone; minor sand, peat

**Western Australian Roads**

Freeway / Highway

Main Road

Minor Road

Other

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**LOCALITY**

A map of Western Australia showing the location of Wangara. A red rectangle highlights the area around Wangara, which is situated between Perth and Midland. Other locations marked include Bullsbrook and Midland.

A scale bar showing distances from 0 to 50 km.

**GEOLOGY**

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo

N

0 200 400 600 m

Coordinate System: GDA2020 MGA Zone 50  
Scale @ A3: 1:15,000

Prepared:

Date: 5/06/2025

Reviewed:

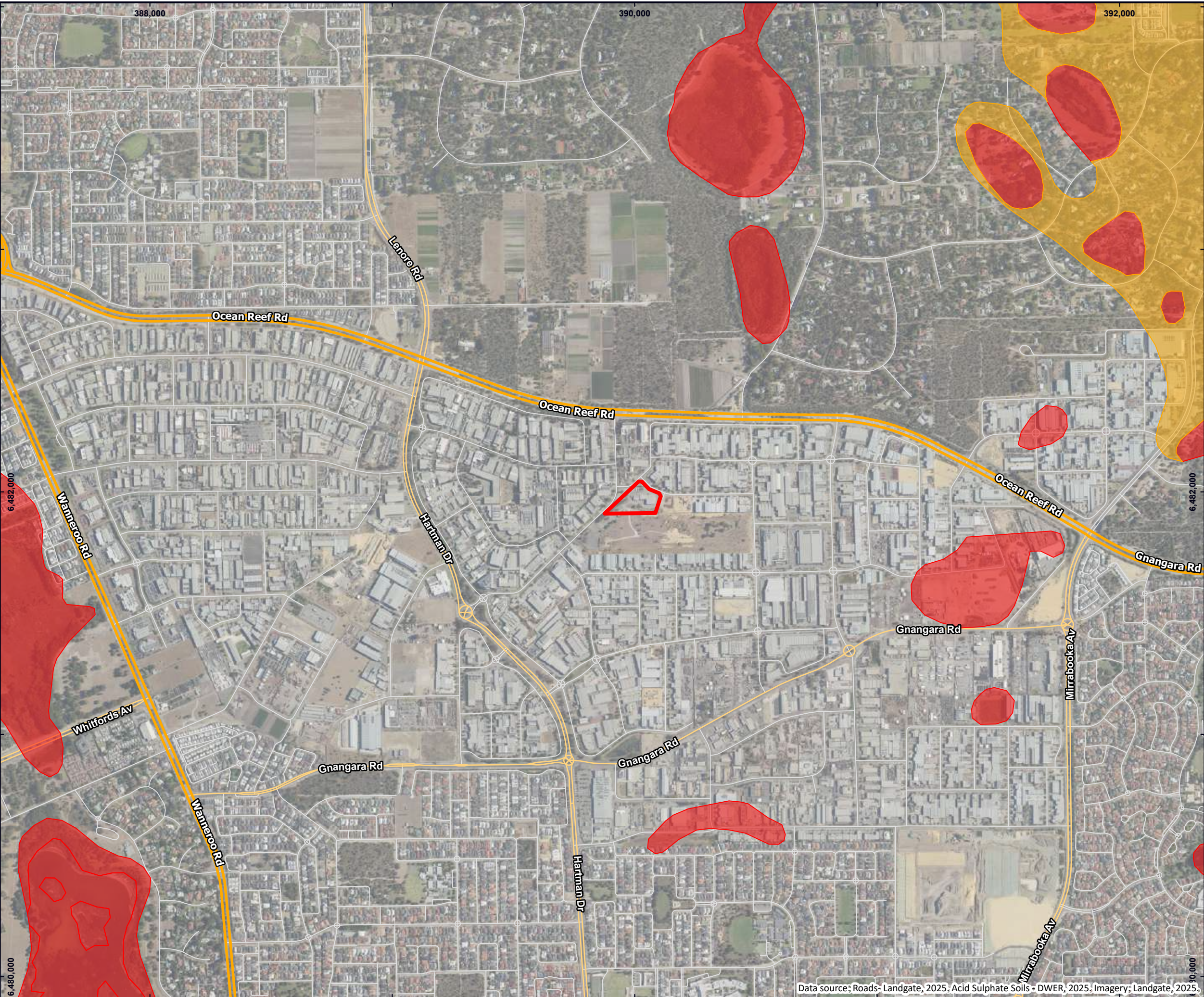
Revision: A

Project: TW25021

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Figure 07





**LEGEND**

Site Boundary

**Acid Sulphate Soil Risk Map**

1 - High to moderate risk

2 - Moderate to low risk

**Western Australian Roads**

Freeway / Highway

Main Road

Minor Road

Other

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**ACID SULPHATE SOILS**

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo

N

0200400600

m

Coordinate System: GDA2020 MGA Zone 50

Scale @ A3: 1:15,000

Prepared: [redacted]

Date: 5/06/2025

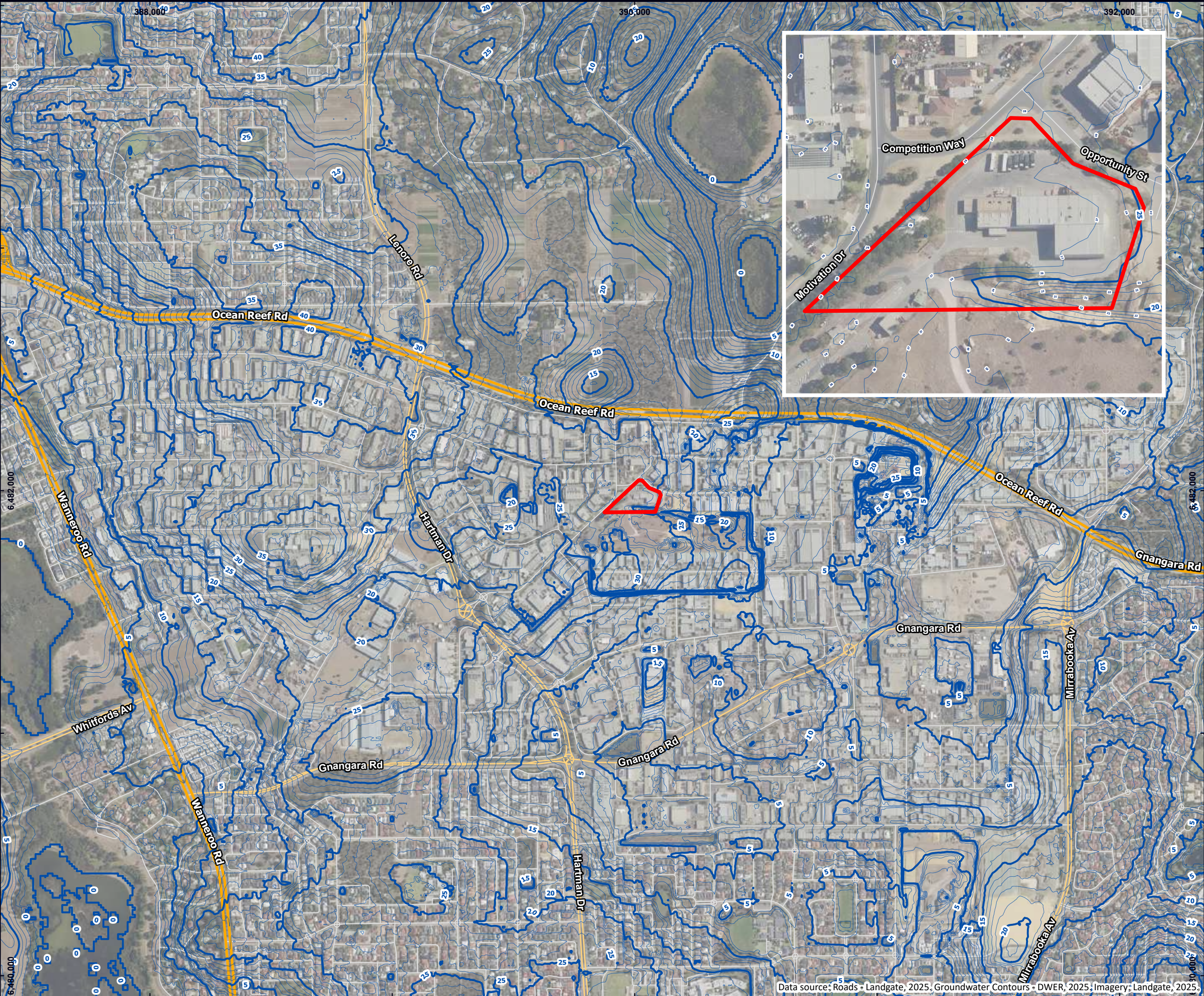
Reviewed: [redacted]

Revision: A

Project: TW25021

Figure 08





**LEGEND**

Site Boundary

**Minimum Depth to Groundwater Contours (mBGL)**

Major Contour

Minor Contour

**Western Australian Roads**

Freeway / Highway

Main Road

Minor Road

Other

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**GROUNDWATER CONTOURS**

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo

N

0200400600

m

Coordinate System: GDA2020 MGA Zone 50  
Scale @ A3: 1:15,000

Prepared:

Date: 5/06/2025

Reviewed:

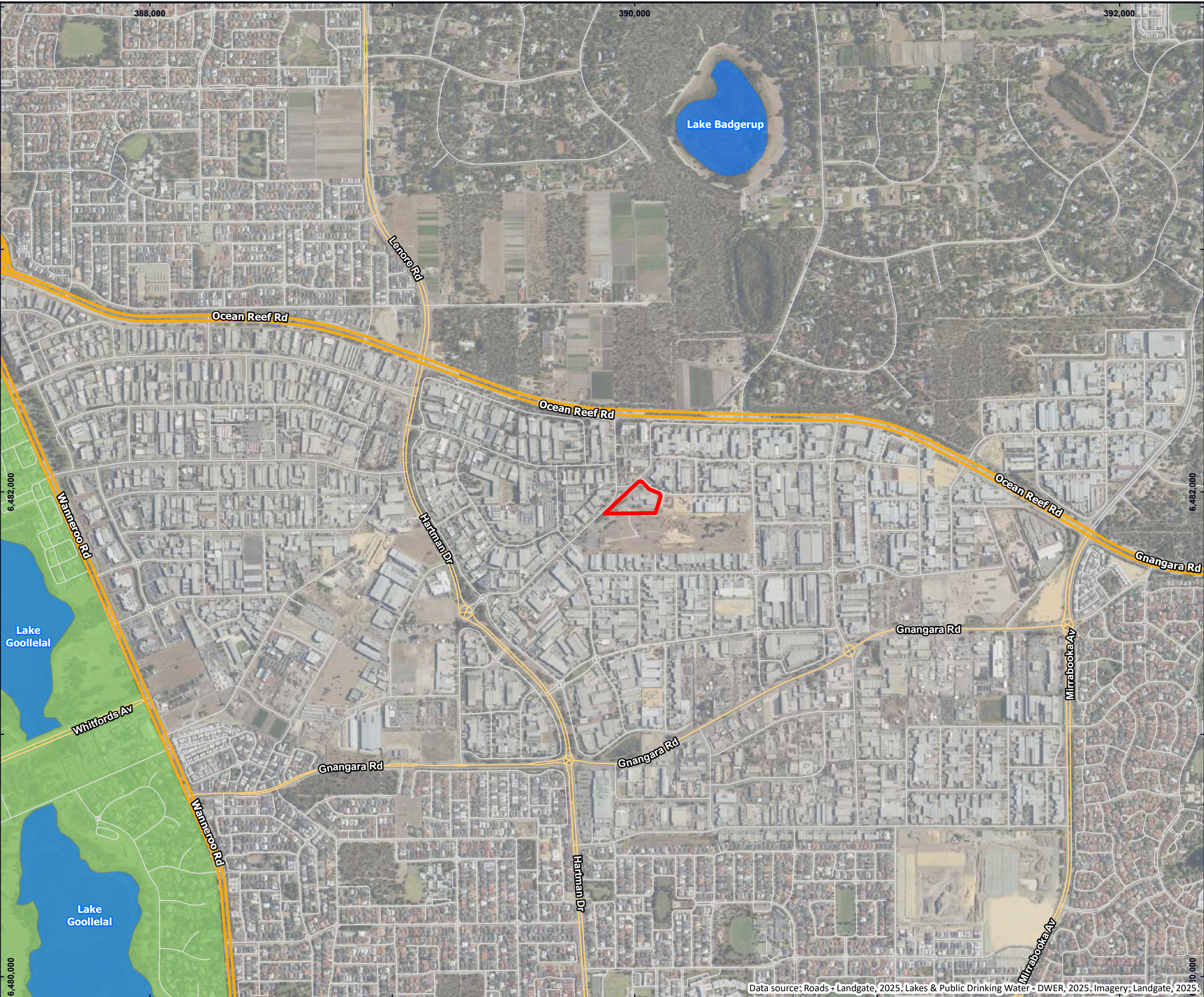
Revision: A

Project:

TW25021

Figure 09





**LEGEND**

Site Boundary

Lakes

**Public Drinking Water Source Areas**

Protection Area - P3

**Western Australian Roads**

Freeway / Highway

Main Road

Minor Road

Other

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**HYDROLOGY**

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo

N

0 200 400 600 m

Coordinate System: GDA2020 MGA Zone 50  
Scale @ A3: 1:15,000

Prepared:

Date: 5/06/2025

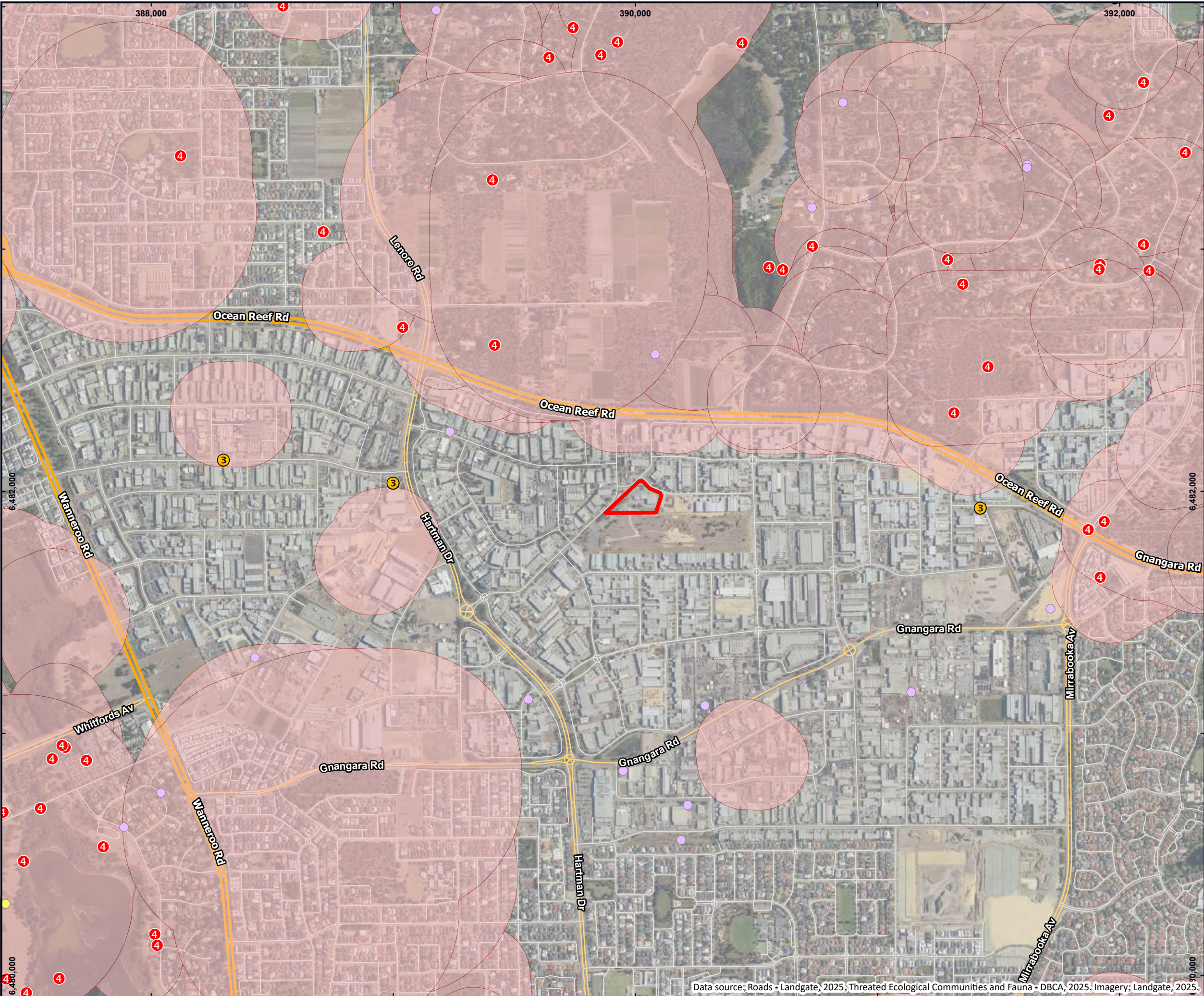
Reviewed:

Revision: A

Project: TW25021

Figure 10





## LEGEND

Site Boundary

### Threatened & Priority Ecological Communities

Threatened

### Threatened and Priority Fauna

3 Priority 3

4 Priority 4

● Specially protected species

● Threatened species

### Western Australian Roads

— Freeway / Highway

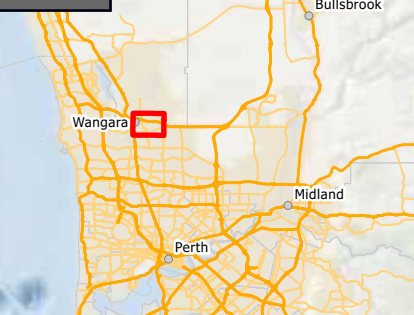
— Main Road

— Minor Road

--- Other

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### LOCALITY

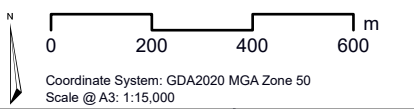


### THREATENED ECOLOGICAL COMMUNITIES AND FAUNA

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo



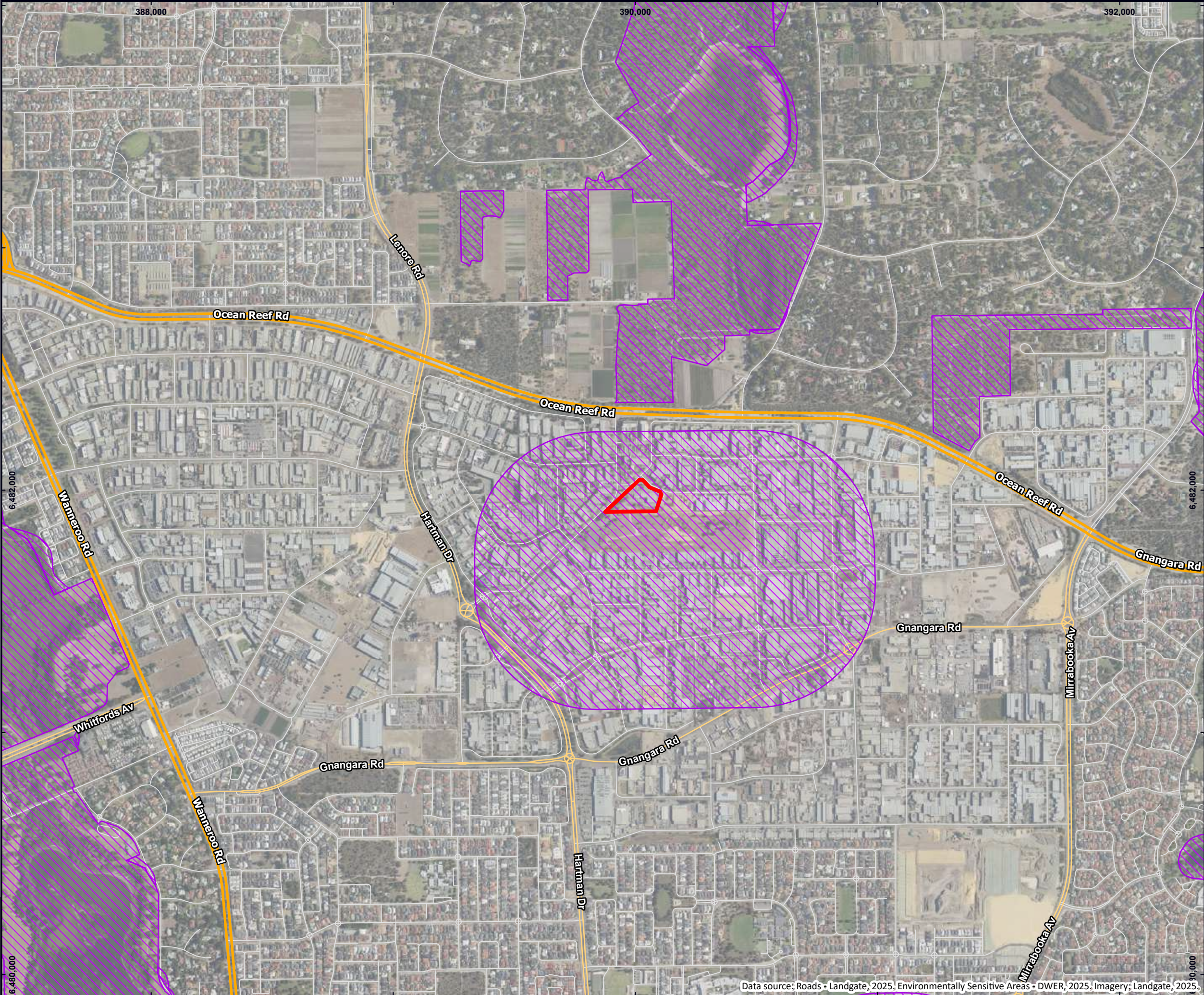
Prepared:		Date:	5/06/2025
Reviewed:		Revision:	A
Project:	TW25021		



Figure 11

Data source: Roads - Landgate, 2025; Threatened Ecological Communities and Fauna - DBCA, 2025; Imagery: Landgate, 2025.





### LEGEND

- Site Boundary
- Environmentally Sensitive Areas

#### Western Australian Roads

- Freeway / Highway
- Main Road
- Minor Road
- Other

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#### LOCALITY

0 10 20 30 40 50 km

#### ENVIRONMENTALLY SENSITIVE AREAS

Wangara Waste Transfer Station

Environmental Assessment & Management Plan

City of Wanneroo

0 200 400 600 m

Coordinate System: GDA2020 MGA Zone 50  
Scale @ A3: 1:15,000

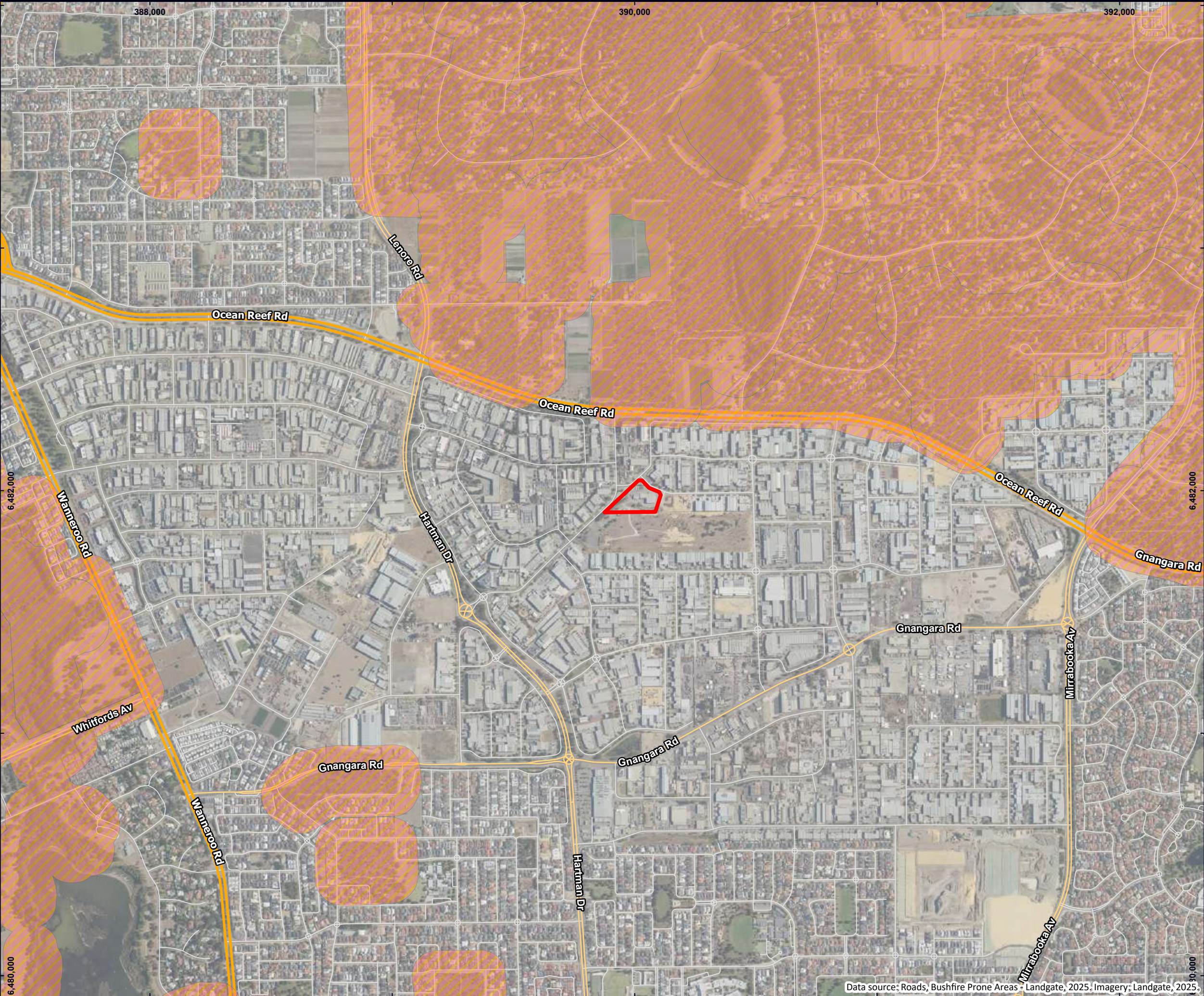
Prepared:		Date:	5/06/2025
Reviewed:		Revision:	A
Project:	TW25021		

Figure 12

Data source: Roads - Landgate, 2025; Environmentally Sensitive Areas - DWER, 2025; Imagery: Landgate, 2025.

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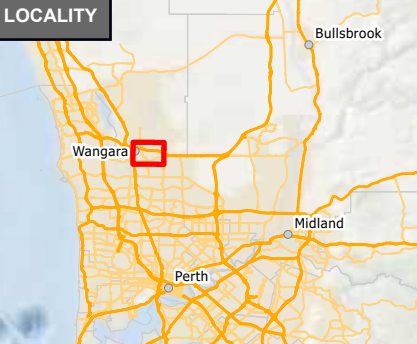




LEGEND

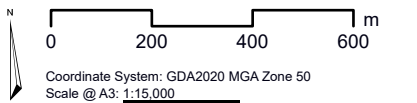
- Site Boundary
- Bushfire Prone Areas (Current)
- Western Australian Roads**
  - Freeway / Highway
  - Main Road
  - Minor Road
  - Other

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BUSHFIRE PRONE AREAS

Wangara Waste Transfer Station  
Environmental Assessment & Management Plan  
City of Wanneroo



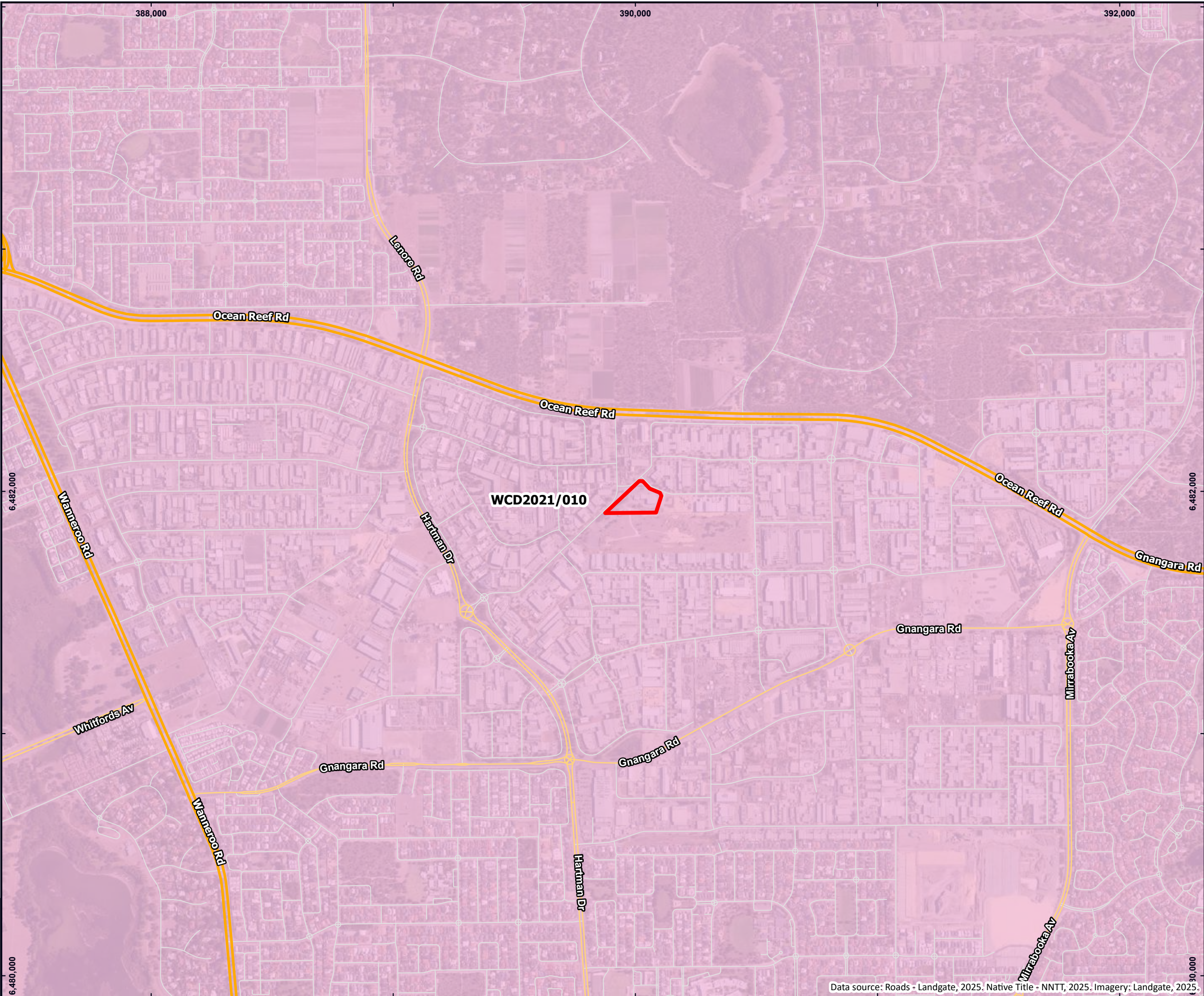
Prepared:		Date:	5/06/2025
Reviewed:		Revision:	A
Project:	TW25021		



Figure 13

Data source: Roads, Bushfire Prone Areas - Landgate, 2025; Imagery: Landgate, 2025.





LEGEND

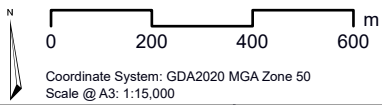
- Site Boundary
- Native Title Determination Outcomes**
  - Native title does not exist
- Western Australian Roads**
  - Freeway / Highway
  - Main Road
  - Minor Road
  - Other

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NATIVE TITLE

Wangara Waste Transfer Station  
Environmental Assessment & Management Plan  
City of Wanneroo



Prepared:		Date:	5/06/2025
Reviewed:		Revision:	A
Project:	TW25021		



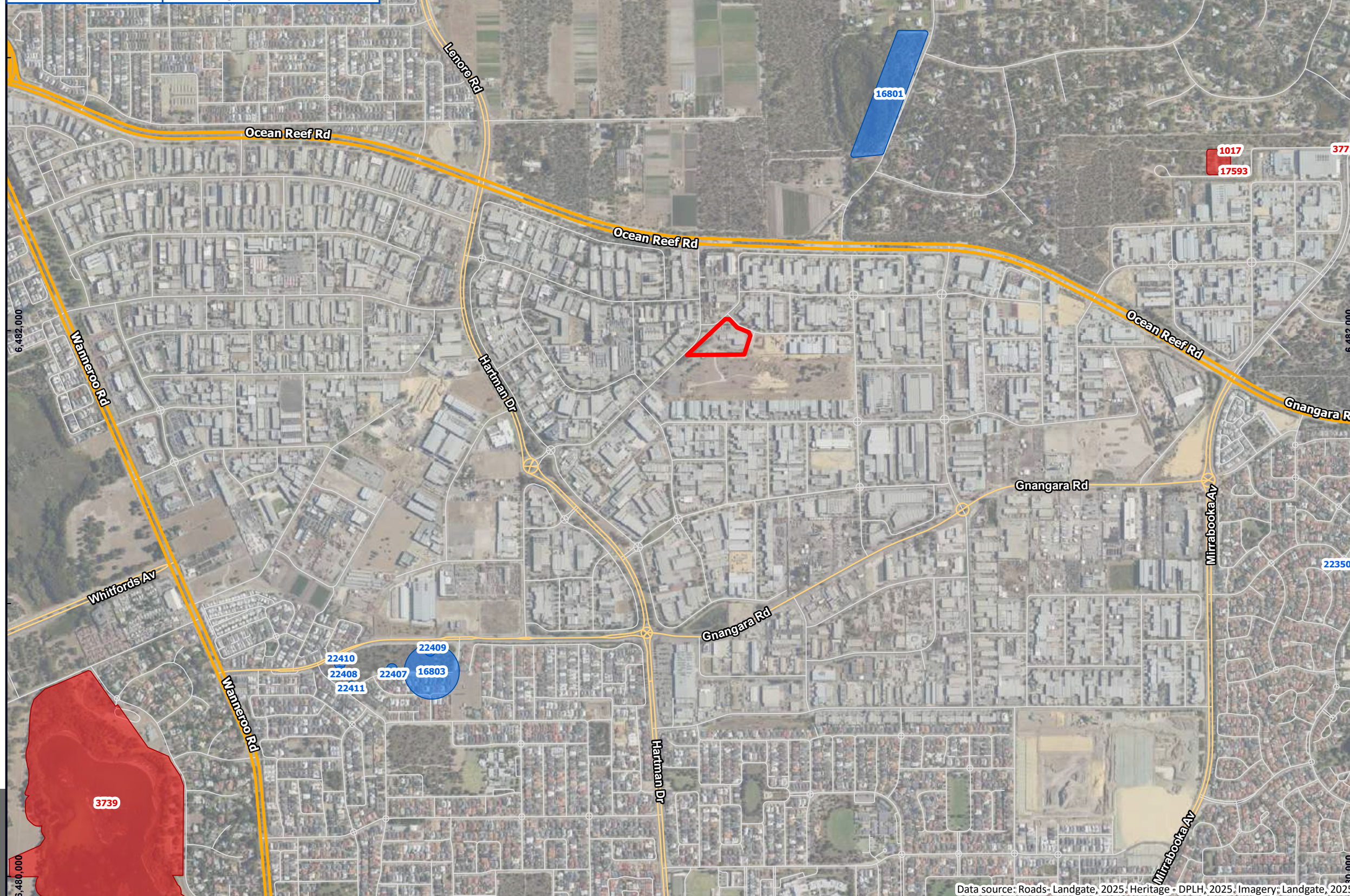
Figure 14

Data source: Roads - Landgate, 2025. Native Title - NNTT, 2025. Imagery: Landgate, 2025.










PLACE ID	LODGED HERITAGE SITE
16801	Gngangara Site 3 (GN#3)
16803	Gngangara Site 4 (GN#4)
22350	Snake Swamp 2
22407	Gngangara Marked Tree 1
22408	Gngangara Marked Tree 2
22409	Gngangara Marked Tree 3
22410	Gngangara Marked Tree 4
22411	Gngangara Marked Tree 5

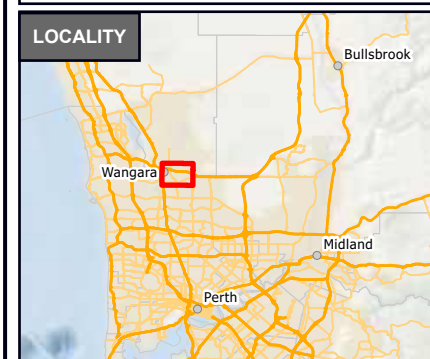
PLACE ID	REGISTERED HERITAGE SITE
1017	GNANGARA ABORIGINAL CEMETERY
3772	GNANGARA LAKE.
3739	LAKE GOOLLELAL.
17593	Significant Tree - Nyoongah Community



## LEGEND

-  Site Boundary
- Aboriginal Heritage**
-  Lodged Heritage Site
-  Register Heritage Site
- Western Australian Roads**
-  Freeway / Highway
-  Main Road
-  Minor Road
-  Other

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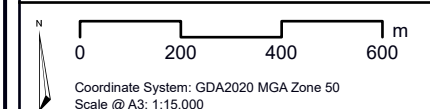


## ABORIGINAL HERITAGE

Wangara Waste Transfer Station

Environmental Assessment &amp; Management Plan

City of Wanneroo



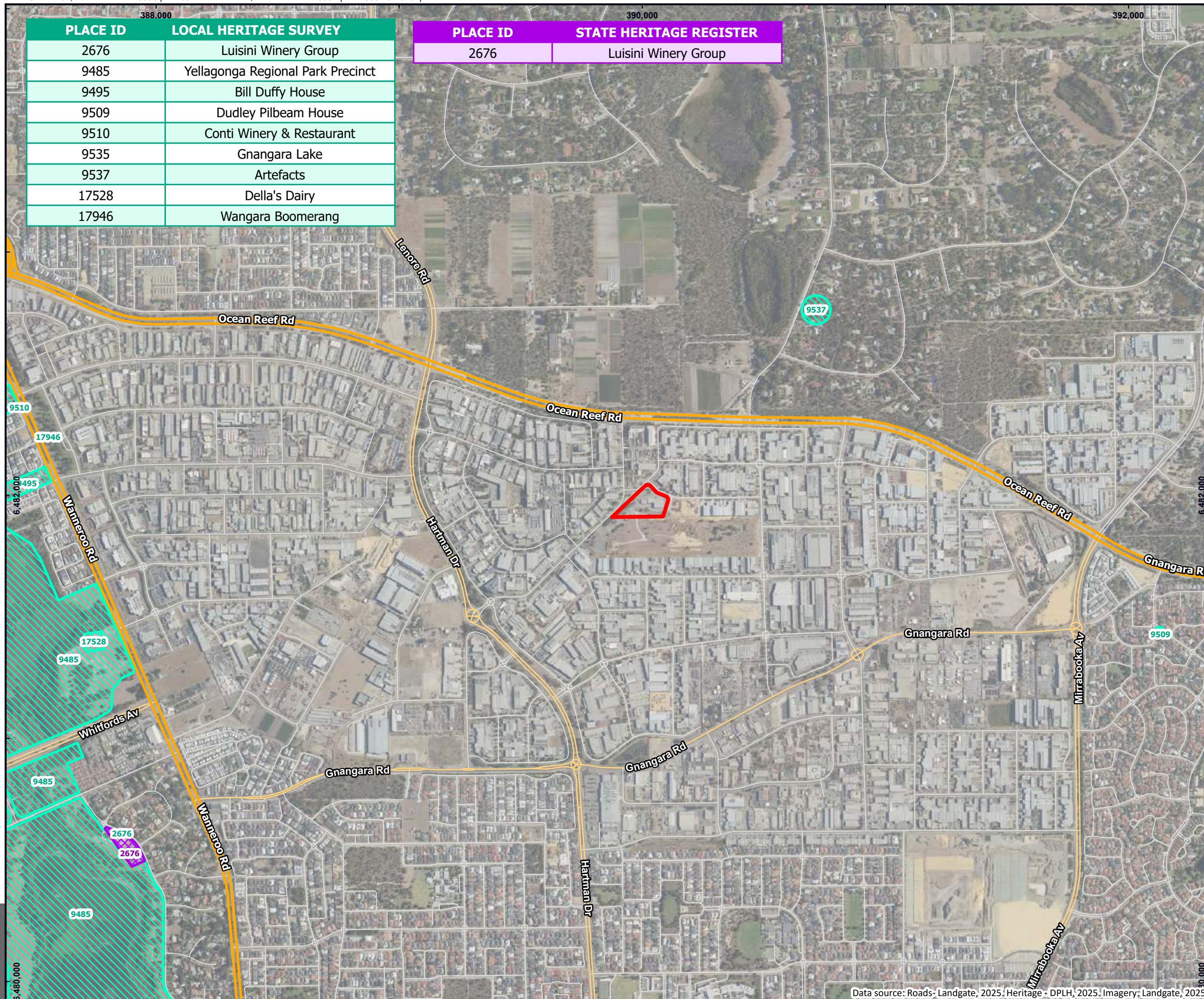
Prepared:	[REDACTED]	Date:	5/06/2025
Reviewed:	[REDACTED]	Revision:	A
Project:	TW25021		





PLACE ID	LOCAL HERITAGE SURVEY
2676	Luisini Winery Group
9485	Yellagonga Regional Park Precinct
9495	Bill Duffy House
9509	Dudley Pilbeam House
9510	Conti Winery & Restaurant
9535	Gngangara Lake
9537	Artefacts
17528	Della's Dairy
17946	Wangara Boomerang

PLACE ID	STATE HERITAGE REGISTER
2676	Luisini Winery Group



## LEGEND

-  Site Boundary  
 Heritage Council WA State Register  
 Heritage Council WA Local Heritage Survey

## Western Australian Roads

- Freeway / Highway
- Main Road
- Minor Road
- Other

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## LOCALITY

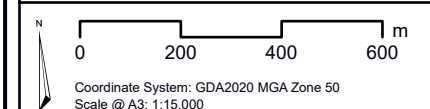


**EUROPEAN HERITAGE**

## Wangara Waste Transfer Station

## Environmental Assessment & Management Plan

City of Wanneroo



Prepared:		Date: 5/06/2025
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Reviewed:		Revision:	A
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Project:	TW25021
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Figure 16