

Legend	
	Proposal Area - Stage 2 Pipeline
	Lot 935 on Plan 220463 Manca Park
	Cadastral (No Attributes) (LGA/E-001)
	State Highway
	Main
	Minor

Project No. 12537061
Revision No. D
Date 10/01/2022

Aqwest Bunbury Water Corporation
Bunbury WRRS Stage 2 Pipeline
**Proposal Area locality &
Aqwest water infrastructure reserve
within Manca Park**

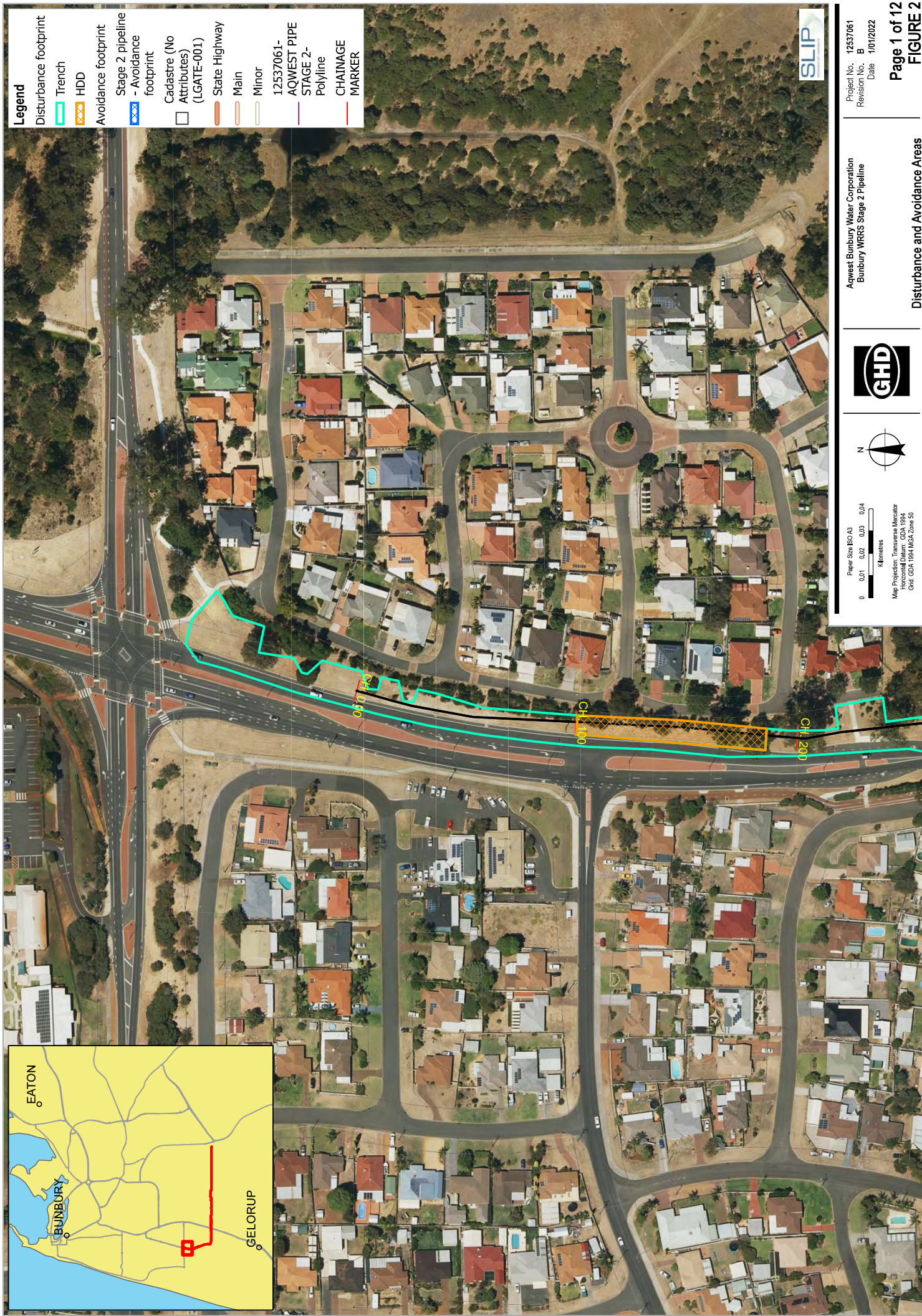
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GCR: GDA 1994 MGA Zone 50

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Kilometres

SLIP

Project No. 12537061
Revision No. D
Date 10/01/2022

FIGURE 1



Legend

Disturbance footprint	Trench	Stage 2 pipeline footprint	Cadastre (No Attributes) (LGATE-001)	State Highway	Main	Minor	12537061-AQWEST PIPE	STAGE 2-Polyline	CHAINAGE MARKER
HDD	Avoidance footprint	- Avoidance footprint							

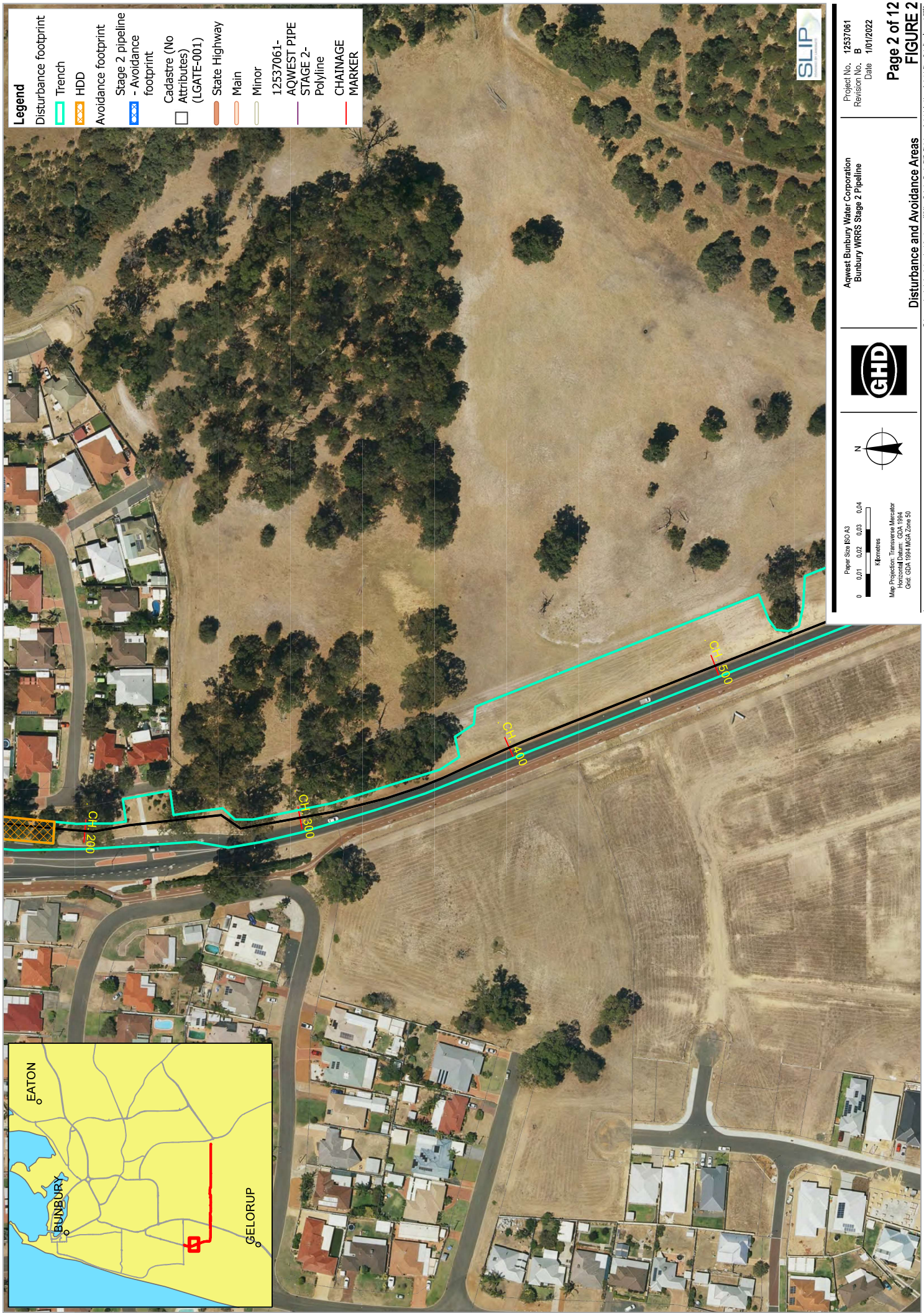


Project No. 12537061
 Revision No. B
 Date 10/1/2022

Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline



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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GDA GDA 1984 MGA Zone 50



Legend

Disturbance footprint	Trench
HDD	
Avoidance footprint	
- Avoidance footprint	
Cadastral (No Attributes) (LGATE-001)	
State Highway	
Main	
Minor	
12537061-AQWEST PIPE	
STAGE 2-Polyline	
CHAINAGE MARKER	



Project No. 12537061
 Revision No. B
 Date 10/12/2022

Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline



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 Map Projection: Transverse Mercator
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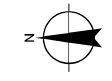


Legend

Disturbance footprint	Trench
HDD	
Avoidance footprint	
Stage 2 pipeline - Avoidance footprint	
Cadastral (No Attributes) (LGATE-001)	
State Highway	
Main	
Minor	
12537061-AQWEST PIPE	
STAGE 2-Polyline	
CHAINAGE MARKER	



Project No. 12537061
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Paper Size ISO A3
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Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline

Disturbance and Avoidance Areas

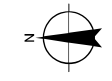
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 and Avoidance Areas



Legend	
Disturbance footprint	
	Trench
	HDD
Avoidance footprint	
	Stage 2 pipeline footprint
	Cadastral (No Attributes) (LGATE-001)
	State Highway
	Main
	Minor
	12537061-AQWEST PIPE
	STAGE 2-Polyline
	CHAINAGE MARKER



Project No. 12537061
 Revision No. B
 Date 10/1/2022

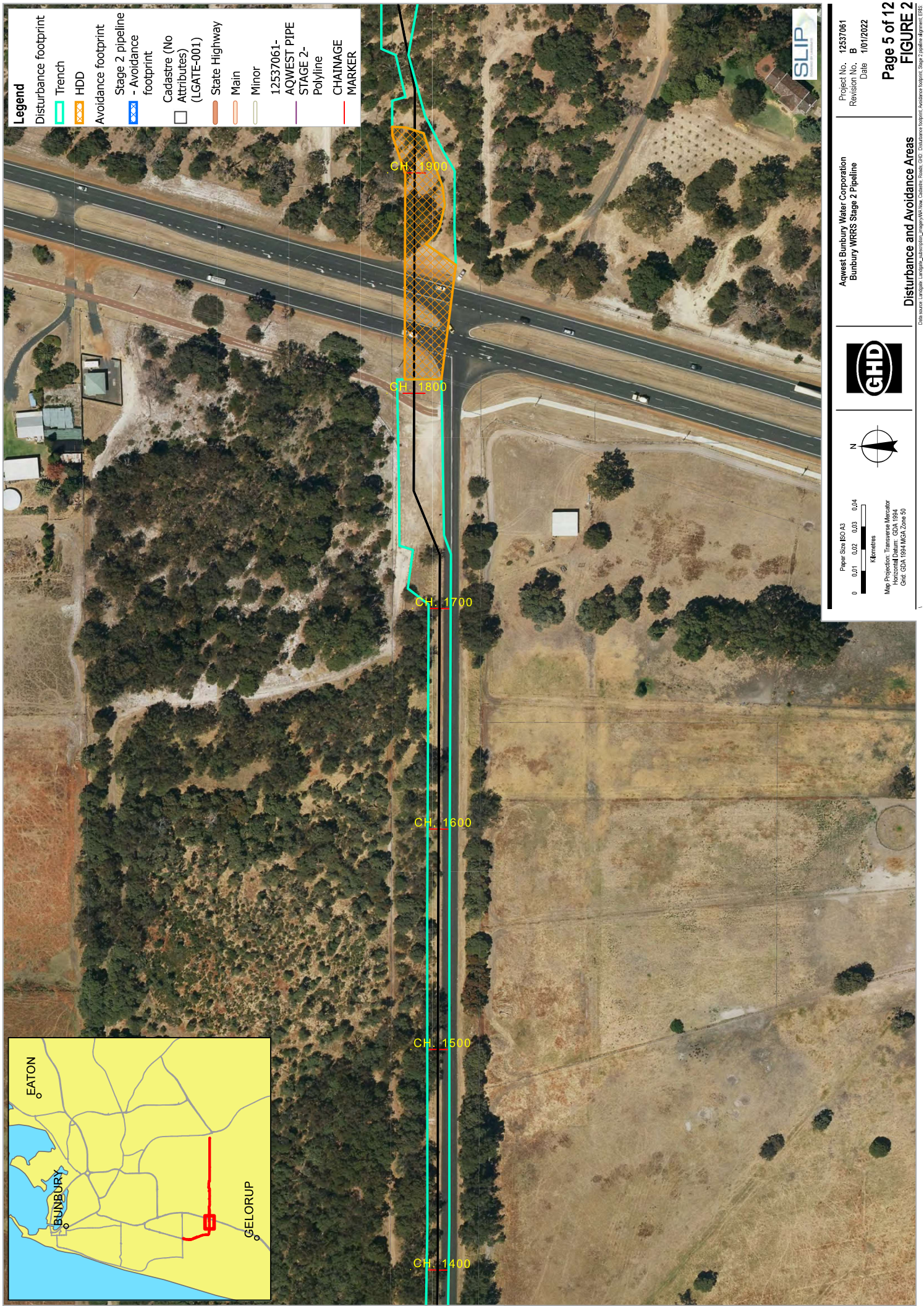


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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GDA GDA 1984 MGA Zone 50

Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline

Disturbance and Avoidance Areas

Visualisation of the pipeline footprint, disturbance footprint, avoidance footprint, and avoidance areas. The pipeline footprint, disturbance footprint, avoidance footprint, and avoidance areas are shown in cyan, green, blue, and red respectively. The map is a 2D projection of the pipeline footprint, disturbance footprint, avoidance footprint, and avoidance areas. The map is a 2D projection of the pipeline footprint, disturbance footprint, avoidance footprint, and avoidance areas. The map is a 2D projection of the pipeline footprint, disturbance footprint, avoidance footprint, and avoidance areas.



Legend

Disturbance footprint	Trench
HDD	
Avoidance footprint	
Stage 2 pipeline footprint	
- Avoidance footprint	
Cadastre (No Attributes) (LGATE-001)	
State Highway	
Main	
Minor	
12537061-AQWEST PIPE	
STAGE 2-Polyline	
CHAINAGE MARKER	



Project No. 12537061
 Revision No. B
 Date 10/1/2022

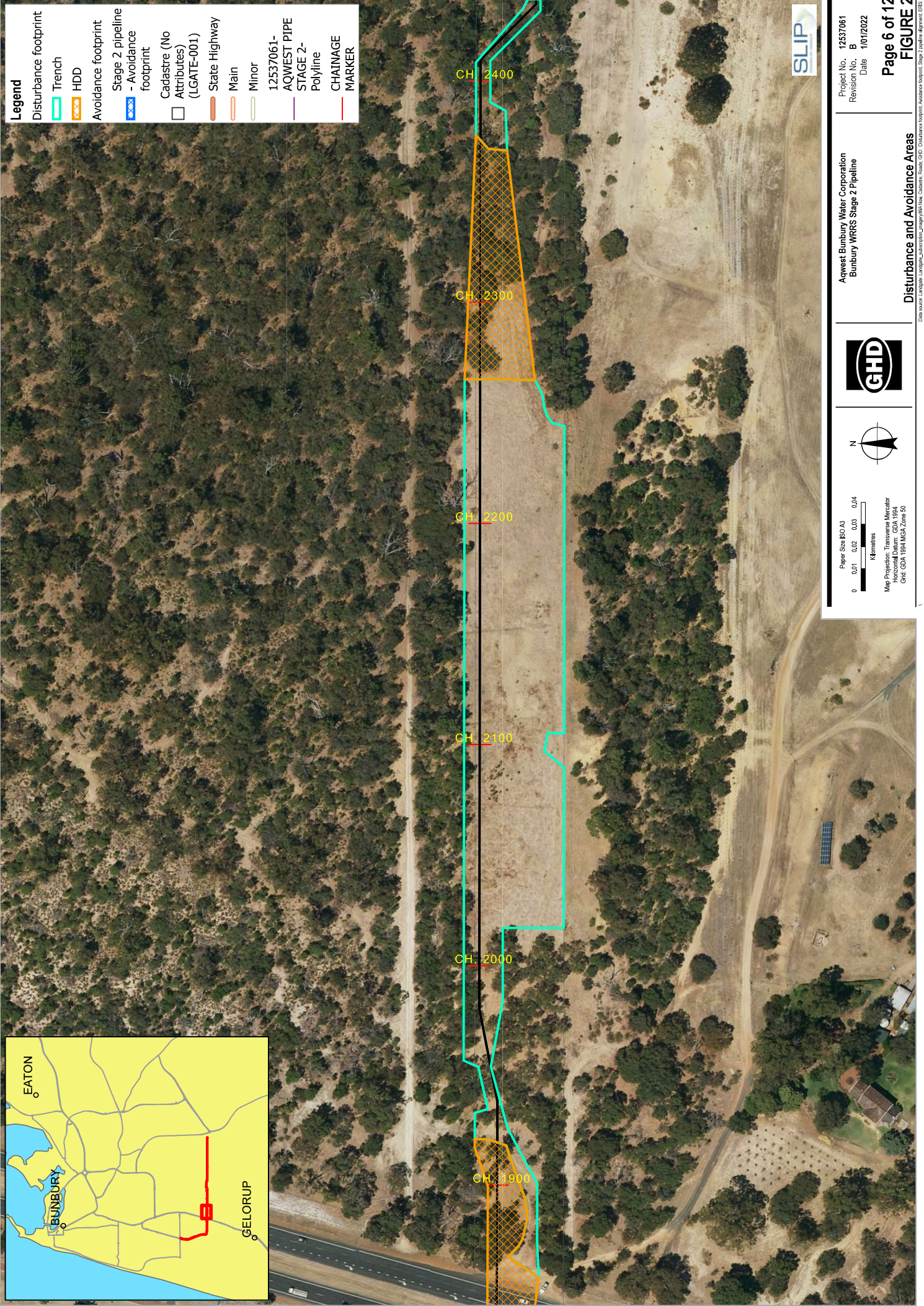
Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline



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 GHD GDA 1984 MGA Zone 50



Legend	
Disturbance footprint	Trench
	HDD
Avoidance footprint	Stage 2 pipeline footprint
	- Avoidance footprint
Cadastre (No Attributes) (LGATE-001)	State Highway
	Main
	Minor
12537061-AQWEST PIPE	
STAGE 2-Polyline	
CHAINAGE MARKER	



Project No. 12537061
 Revision No. B
 Date 10/12/2022

Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline



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 GHD GDA 1984 MGA Zone 50

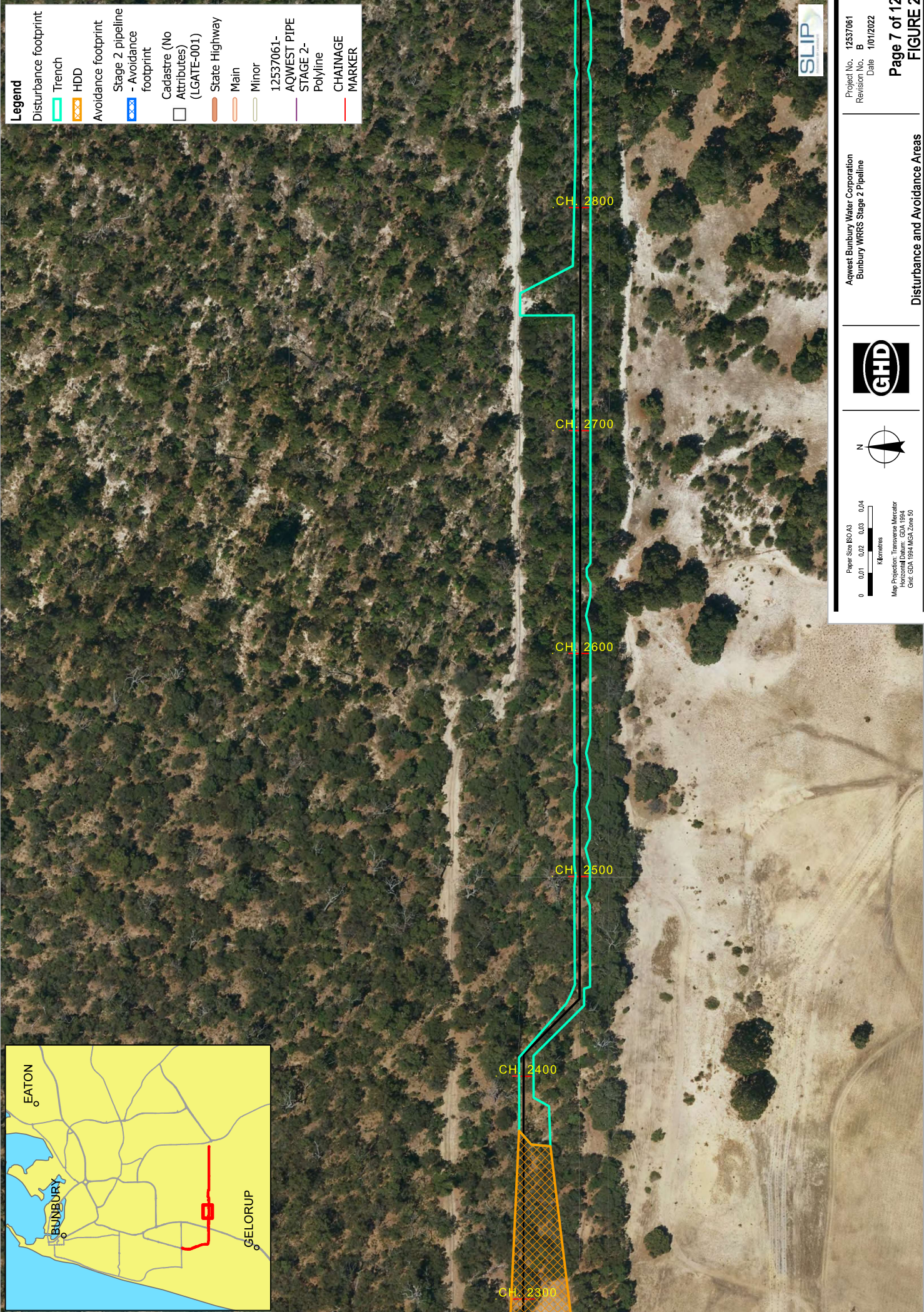
Disturbance and Avoidance Areas

Page 6 of 12
 FIGURE 2

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 and Avoidance Areas



Legend	
Disturbance footprint	
	Trench
	HDD
Avoidance footprint	
	Stage 2 pipeline - Avoidance footprint
	Cadastre (No Attributes) (LGATE-001)
	State Highway
	Main
	Minor
	12537061-AQWEST PIPE
	STAGE 2-Polyline
	CHAINAGE MARKER

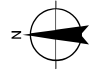


Project No. 12537061
 Revision No. B
 Date 1/01/2022



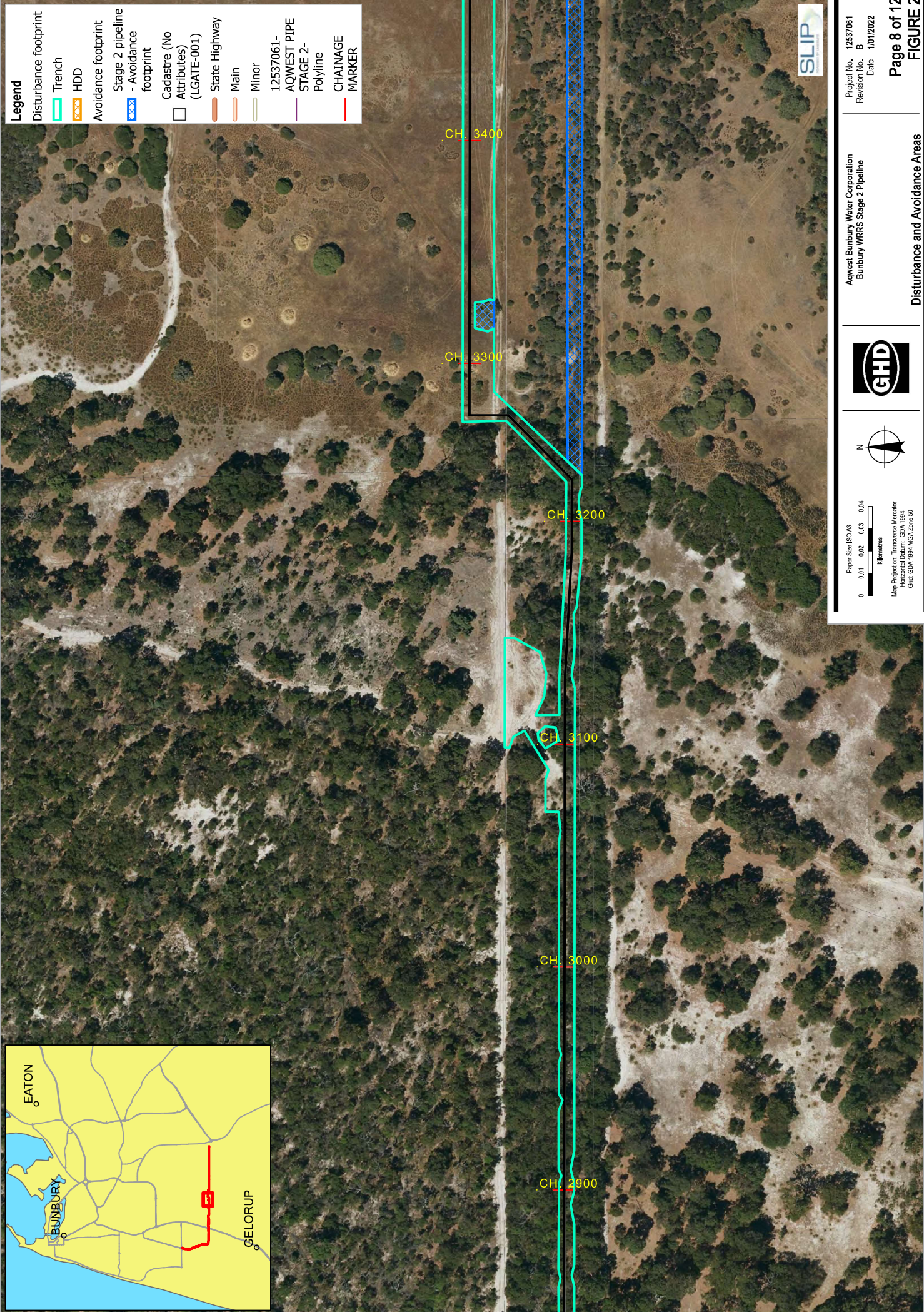
Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline

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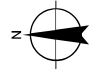
Legend	
Disturbance footprint	Trench
	HDD
Avoidance footprint	Stage 2 pipeline footprint
	Cadastre (No Attributes) (LGATE-001)
	State Highway
	Main
	Minor
	12537061-AQWEST PIPE
	STAGE 2-Polyline
	CHAINAGE MARKER



Project No. 12537061
 Revision No. B
 Date 10/1/2022



Project Name: Bunbury WRRS Stage 2 Pipeline
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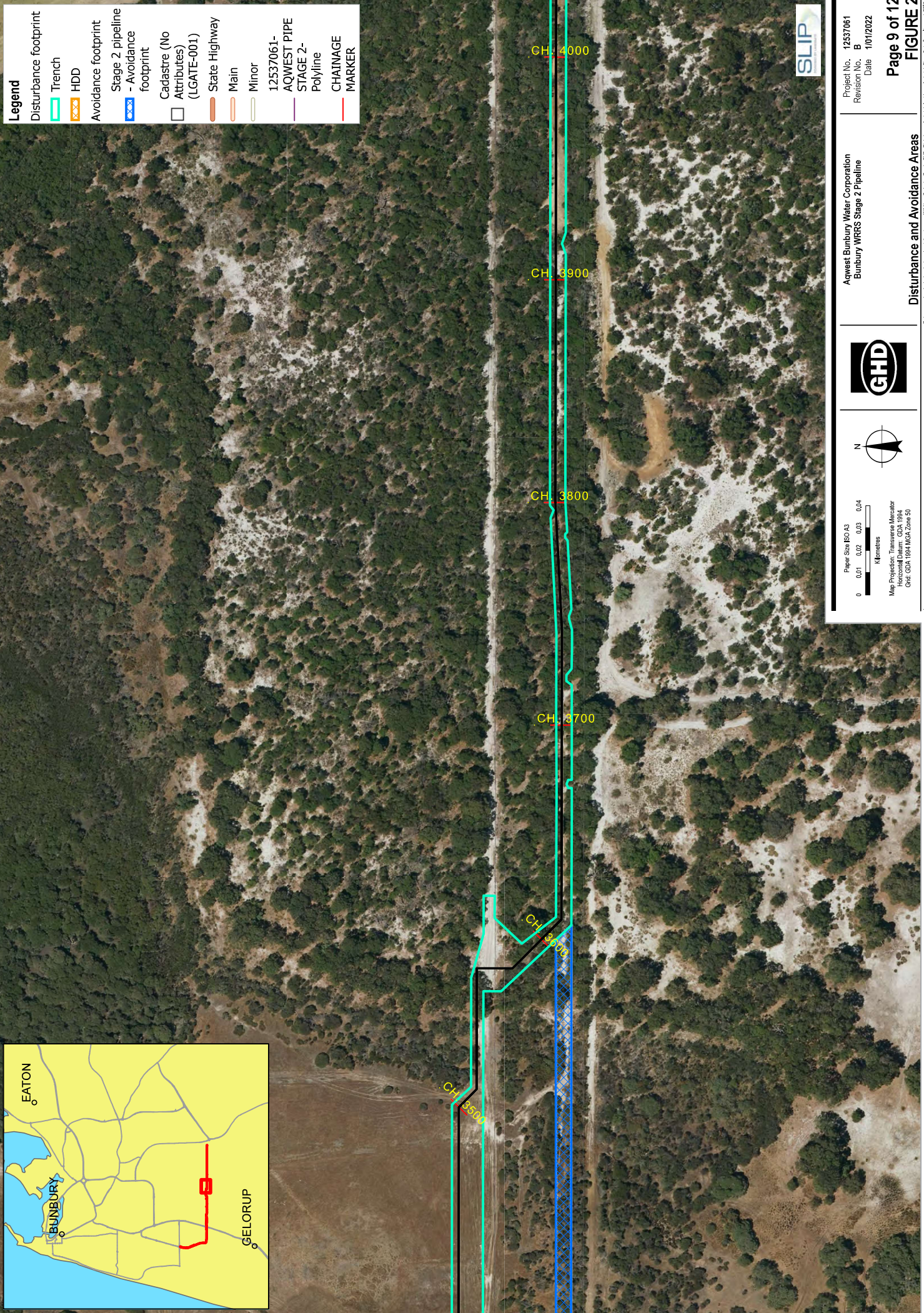
Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline

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 and Avoidance Areas

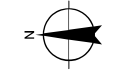


Legend

	Disturbance footprint
	Trench
	HDD
	Avoidance footprint
	Stage 2 pipeline footprint
	Cadastre (No Attributes) (LGATE-001)
	State Highway
	Main
	Minor
	12537061-AQWEST PIPE
	STAGE 2-Polyline
	CHAINAGE MARKER



Project No. 12537061
 Revision No. B
 Date 10/1/2022

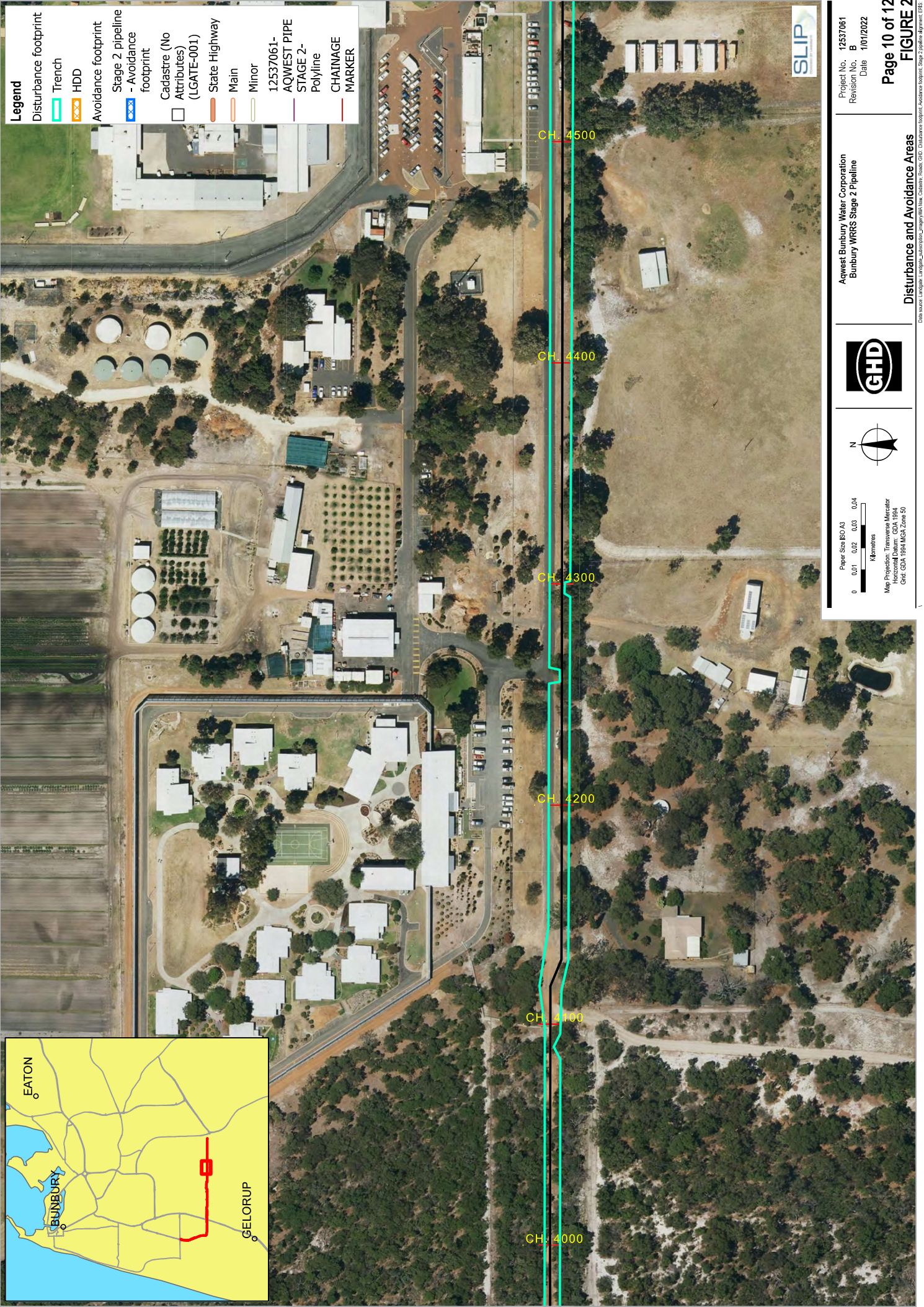


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Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline

Disturbance and Avoidance Areas

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 and Avoidance Areas



Legend

- Disturbance footprint
 - Trench
 - HDD
- Avoidance footprint
 - Stage 2 pipeline footprint
- Cadastre (No Attributes) (LGATE-001)
- State Highway
- Main
- Minor
- 12537061-AQWEST PIPE
- STAGE 2-Polyline
- CHAINAGE MARKER

Project No. 12537061
 Revision No. B
 Date 10/12/2022

Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline



Paper Size ISO A3
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SLIP

Disturbance and Avoidance Areas

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 and Avoidance Areas



- Legend**
- Disturbance footprint
 - Trench
 - HDD
 - Avoidance footprint
 - Stage 2 pipeline - Avoidance footprint
 - Cadastral (No Attributes) (LGATE-001)
 - State Highway
 - Main
 - Minor
 - 12537061-AQWEST PIPE
 - STAGE 2-Polyline
 - CHAINAGE MARKER



Project No. 12537061
 Revision No. B
 Date 10/1/2022

Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline



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Disturbance and Avoidance Areas

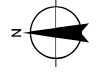
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- Legend**
- Disturbance footprint
 - Trench
 - HDD
 - Avoidance footprint
 - Stage 2 pipeline - Avoidance footprint
 - Cadastre (No Attributes) (LGATE-001)
 - State Highway
 - Main
 - Minor
 - 12537061-AQWEST PIPE
 - STAGE 2-Polyline
 - CHAINAGE MARKER



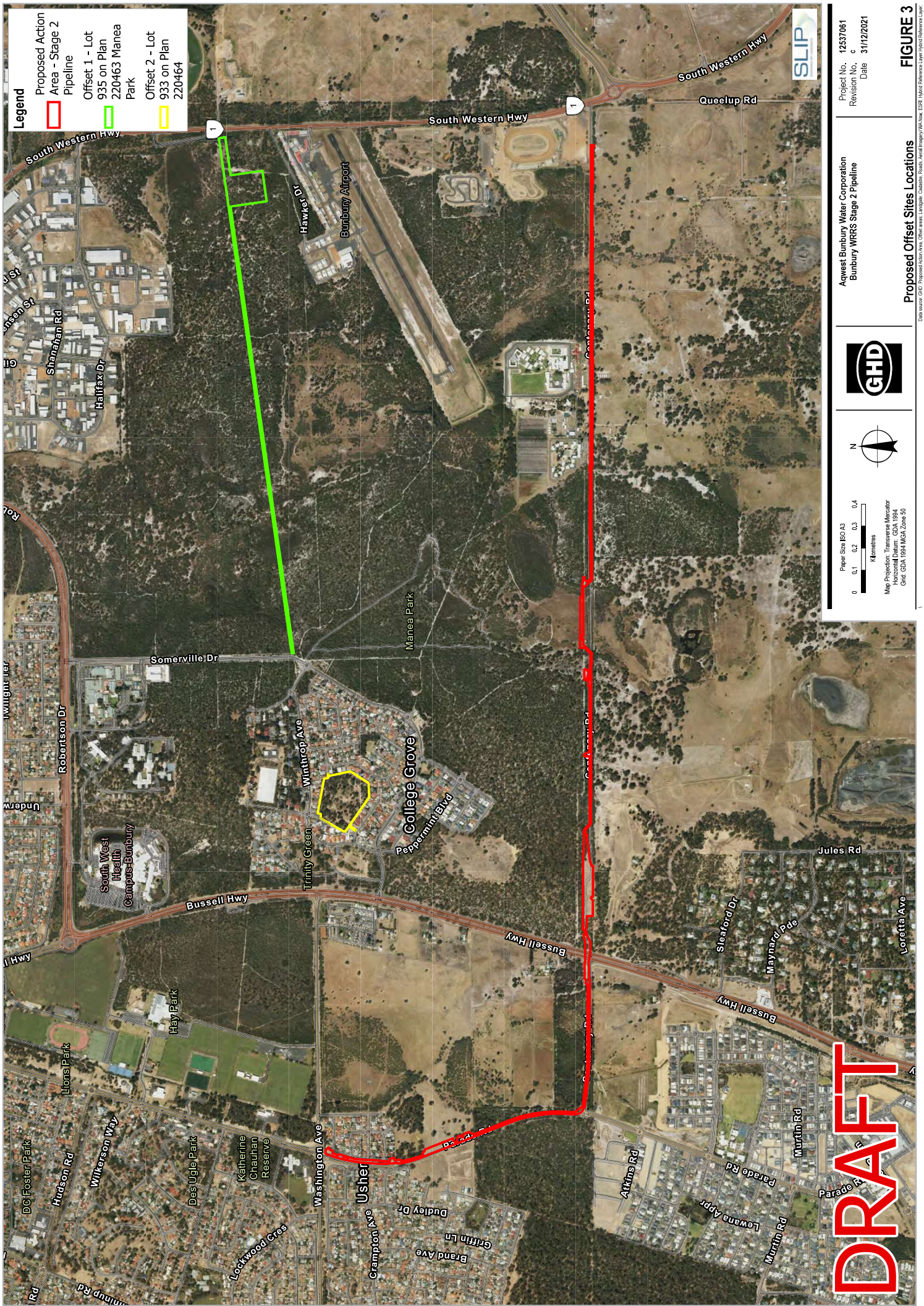
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 Date 10/12/2022



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 GHD: GDA 1994 MGA Zone 50

Project No. 12537061
 Revision No. B
 Date 10/12/2022

Disturbance and Avoidance Areas



Legend

- Proposed Action Area - Stage 2 Pipeline
- Offset 1 - Lot 935 on Plan 220463 Manea Park
- Offset 2 - Lot 933 on Plan 220464

Project No. 1257061
 Revision No. c
 Date 31/12/2021

Aqwest Bunbury Water Corporation
 Bunbury WRRS Stage 2 Pipeline



Paper Size ISO A3
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 Kilometres
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
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DRAFT



Legend

Disturbance footprint
 Trench
 HDD
 Cadastre (No Attributes) (LGATE-001)
 Main Road
 Minor Road
 Track

Vegetation Type
 P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland



Project No. 61-12537061
 Revision No. Date 25/03/2022

Page 1 of 12
FIGURE 4

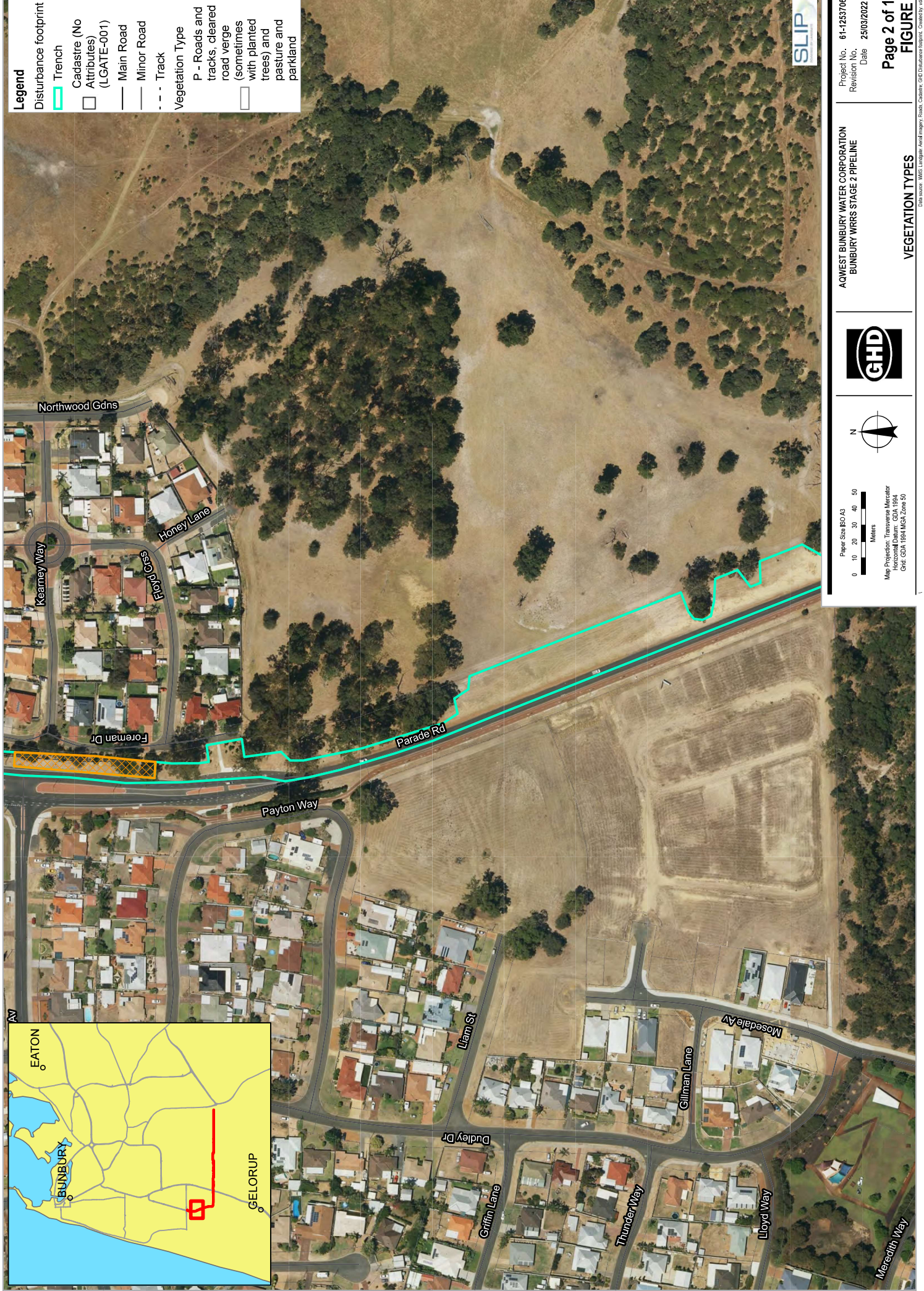
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 GCR: GDA 1994 MGA Zone 50

VEGETATION TYPES

Data source: WRS Landmap; Aerial Imagery; Roads; Cadastre; GFC Database; etc. Created by: voburn



Legend

Disturbance footprint

- Trench
- Cadastre (No Attributes) (LGATE-001)
- Main Road
- Minor Road
- Track

Vegetation Type

- P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland



Project No. 61-12537061
 Revision No. _____
 Date 25/03/2022

Page 2 of 12
FIGURE 4

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
 0 10 20 30 40 50
 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GHD GDA 1984 MGA Zone 50

VEGETATION TYPES

Data source: WRS Landscape Aerial Imagery, Roads, Cadastre, GCD Database relevant. Created by: vobser



- Legend**
- Disturbance footprint
 - Trench
 - Cadastre (No Attributes) (LGATE-001)
 - Main Road
 - Minor Road
 - Track
 - Vegetation Type
 - B - Eucalyptus gomphocephala with scattered Eucalyptus marginalia tall woodland over Agonis flexuosa low woodland
 - D2 - Corymbia calophylla, Melaleuca preissiana, M. rhamniphylla (Agonis flexuosa, Eucalyptus ruscus) mid-height open forest/woodland
 - P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland



Project No. 61-12537061
 Revision No.
 Date 25/03/2022

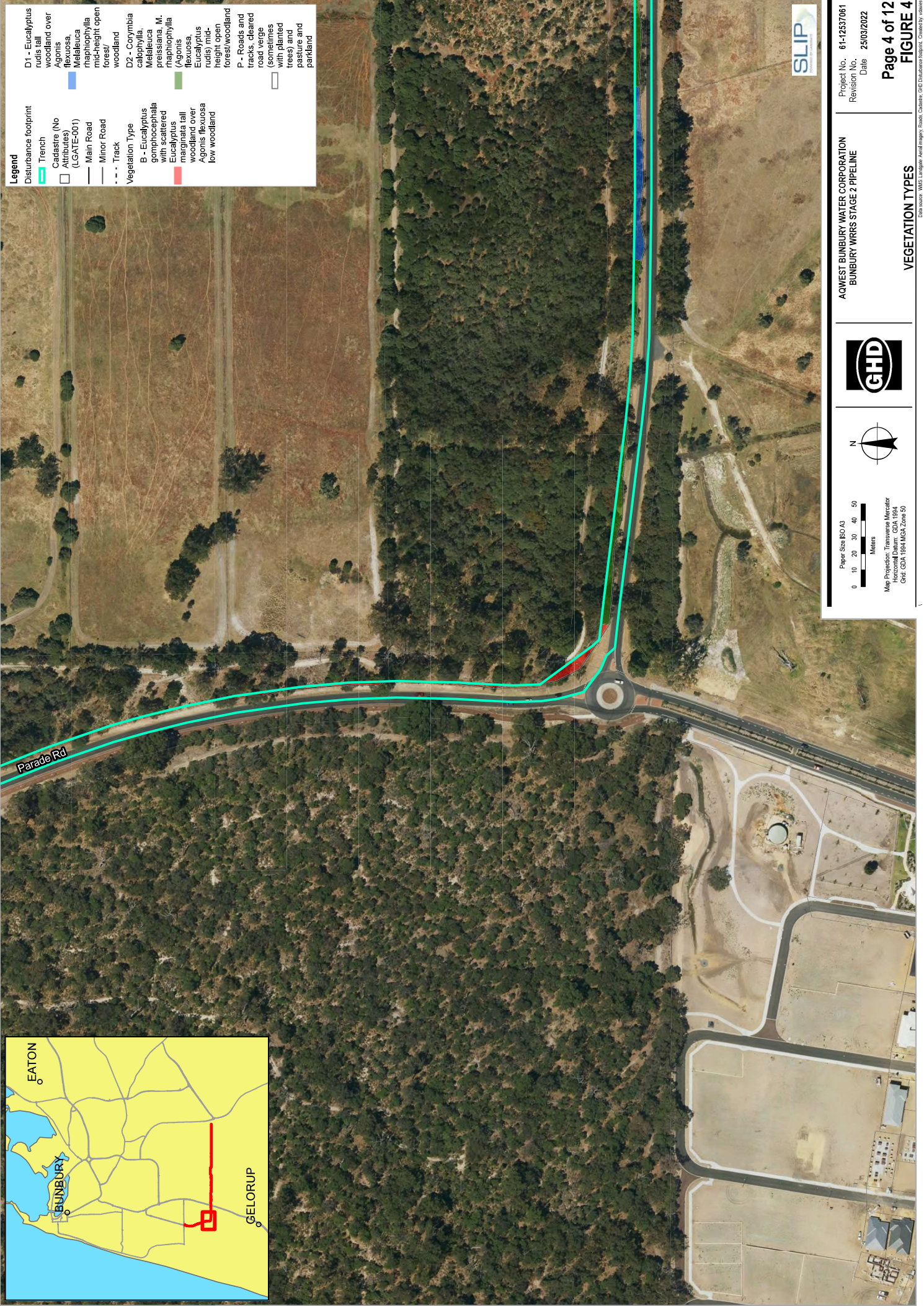
**AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE**



Paper Size: ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GCR: GDA 1984 MGA Zone 50

VEGETATION TYPES

Data source: WRS Landscape Aerial Imagery, Roads, Cadastre, GFC Database report. Created by: vobers



- Legend**
- Disturbance footprint**
- ▬ Trench
 - ▬ Easement (No Attributes) (LGATE-001)
 - ▬ Main Road
 - ▬ Minor Road
 - - - Track
- Vegetation Type**
- ▬ B - Eucalyptus gomphocephala with scattered Eucalyptus marginata tall woodland over Agonis flexuosa low woodland
 - ▬ D1 - Eucalyptus rudis tall woodland over Agonis flexuosa, Melaleuca rhaphiophylla mid-height open forest/woodland
 - ▬ D2 - Corymbia calophylla, Melaleuca preissiana, M. rhaphiophylla (Agonis flexuosa) Eucalyptus rudis mid-height open forest/woodland
 - ▬ P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland

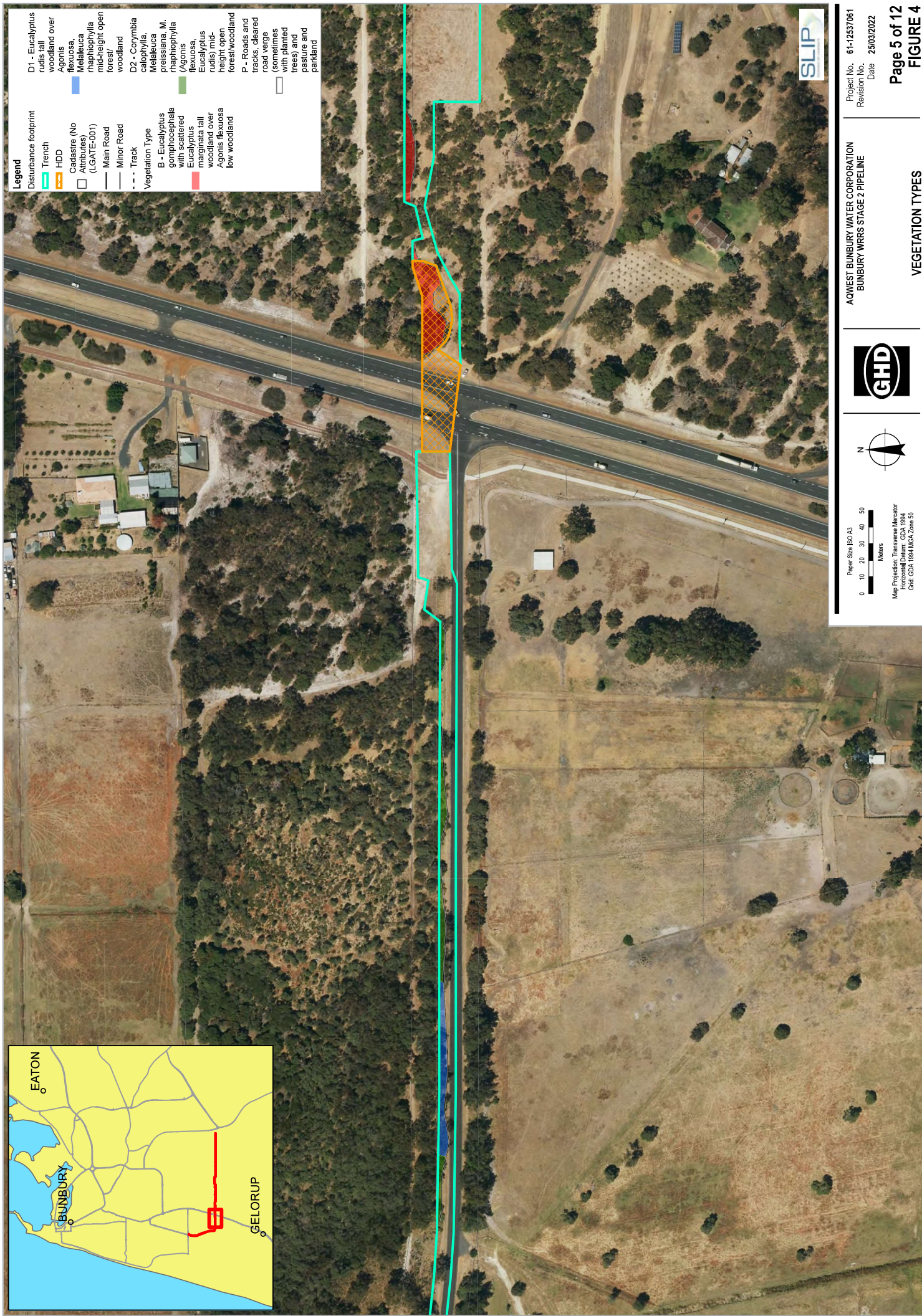


Project No. 61-12537061
 Revision No. _____
 Date 25/03/2022

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GHD GDA 1984 MGA Zone 50



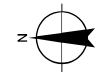
Legend

Disturbance footprint	Vegetation Type
Trench	B - Eucalyptus gomphocephala with scattered Eucalyptus marginata tall woodland over Agonis flexuosa low woodland
HDD	
Cadastral (No Attributes) (LGATE-001)	
Main Road	
Minor Road	
Track	
	D1 - Eucalyptus rudis tall woodland over Agonis flexuosa, Melaleuca rhaphiophylla mid-height open forest/woodland
	D2 - Corymbia calophylla, Melaleuca praesiana, M. rhaphiophylla (Agonis flexuosa) Eucalyptus rudis mid-height open forest/woodland
	P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland



Project No. 61-12537061
 Revision No. _____
 Date 25/03/2022

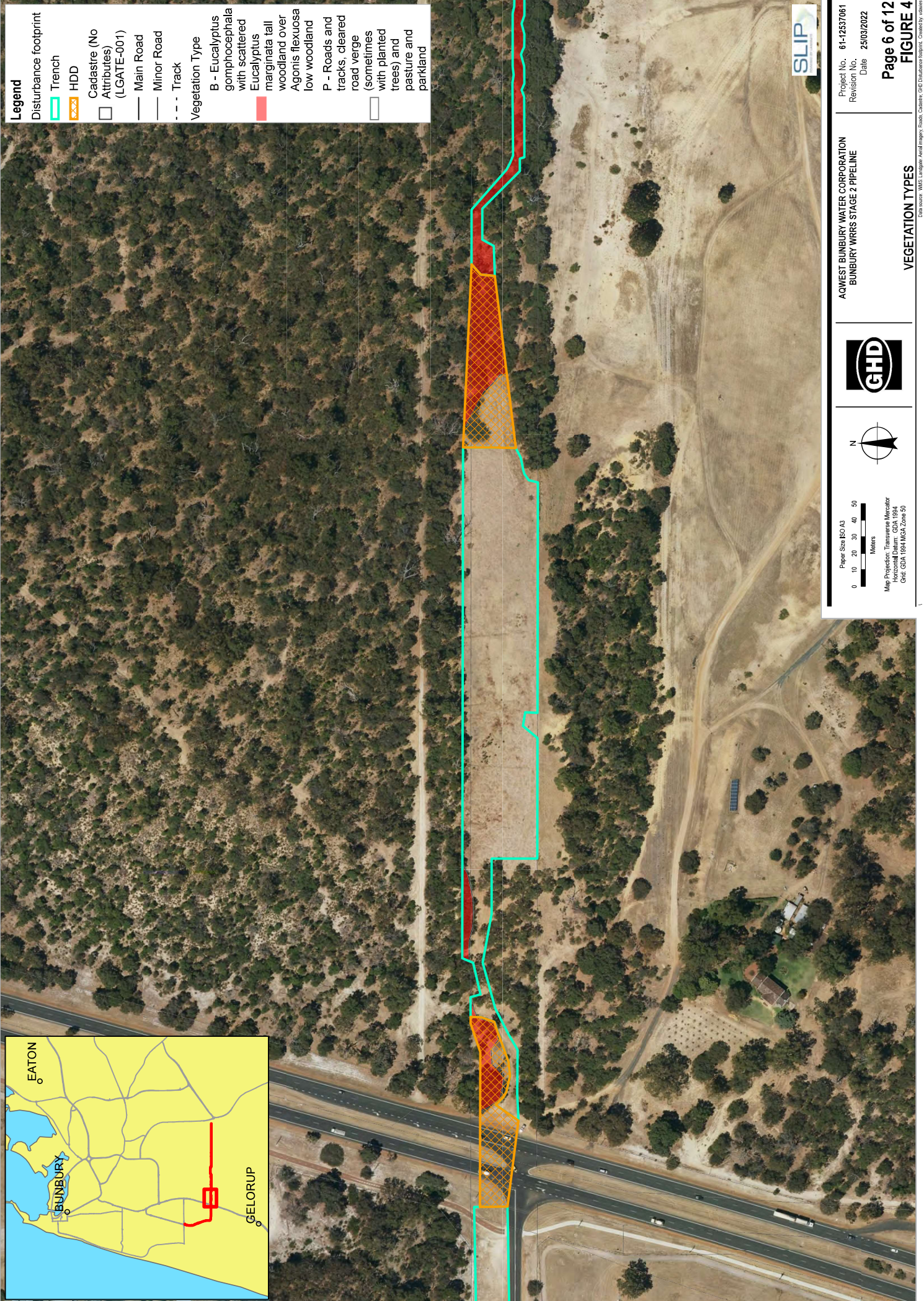
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GHD GDA 1984 MGA Zone 50

VEGETATION TYPES

Data source: WRS Landscape Aerial Imagery, Roads, Cadastral, GFC Database relevant. Created by: vjones



Legend	
	Disturbance footprint
	Trench
	HDD
	Cadastre (No Attributes) (LGATE-001)
	Main Road
	Minor Road
	Track
Vegetation Type	
	B - Eucalyptus gomphocephala with scattered Eucalyptus marginata tall woodland over Agonis flexuosa low woodland
	P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland



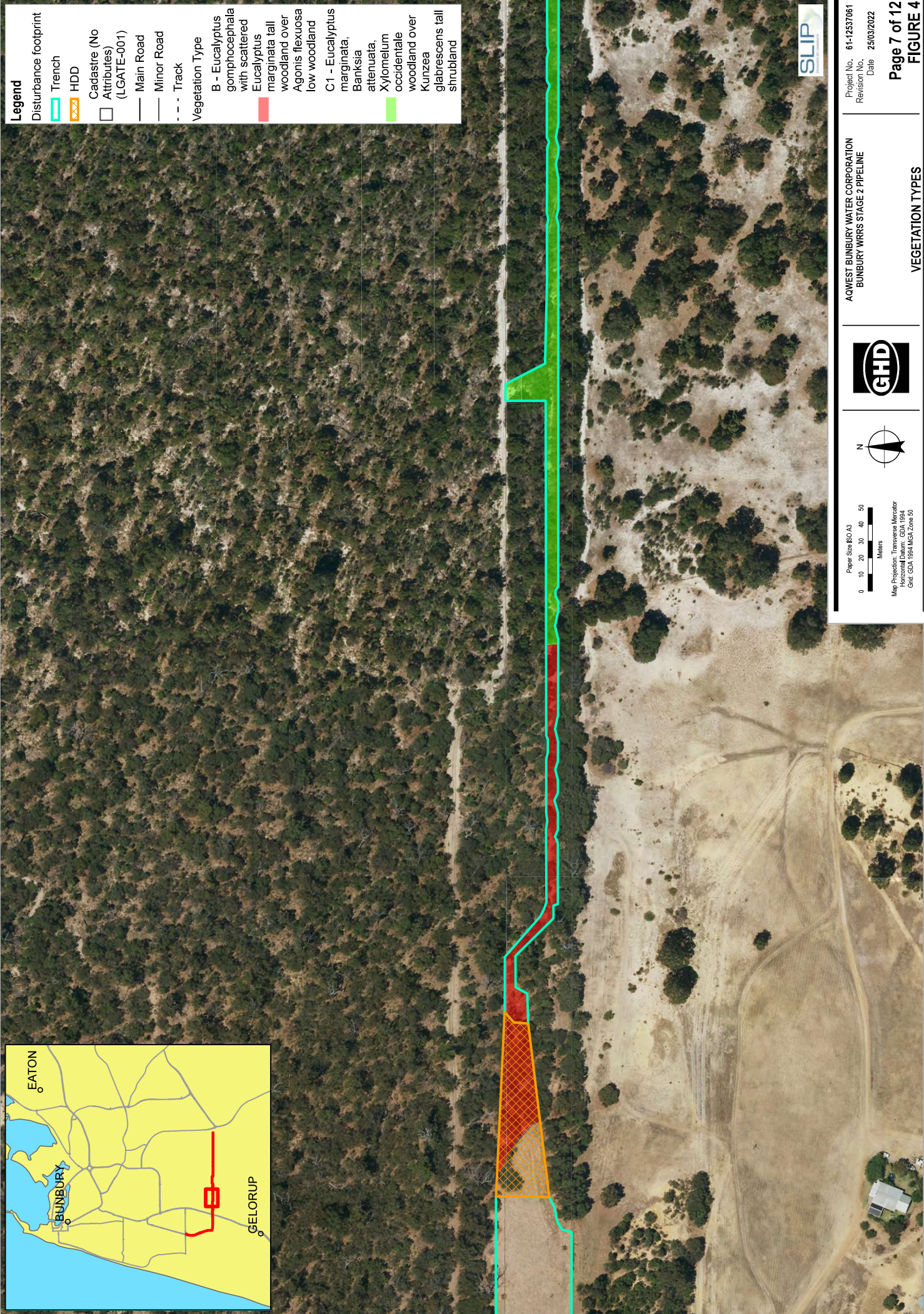
Project No. 61-12537061
 Revision No. _____
 Date 25/03/2022

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FIGURE 4

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
 0 10 20 30 40 50
 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 Grid: GDA 1984 MGA Zone 50



Legend

- Disturbance footprint
- Trench
- HDD
- Cadastre (No Attributes) (LGATE-001)
- Main Road
- Minor Road
- Track
- Vegetation Type
- B - Eucalyptus gomphocephala with scattered
- Eucalyptus marginata tall woodland over
- Agonis flexuosa low woodland
- C1 - Eucalyptus marginata, Banksia attenuata, Xylomelum occidentale woodland over
- Kunzea glabrescens tall shrubland



Project No. 61-12537061
 Revision No. _____
 Date 25/03/2022

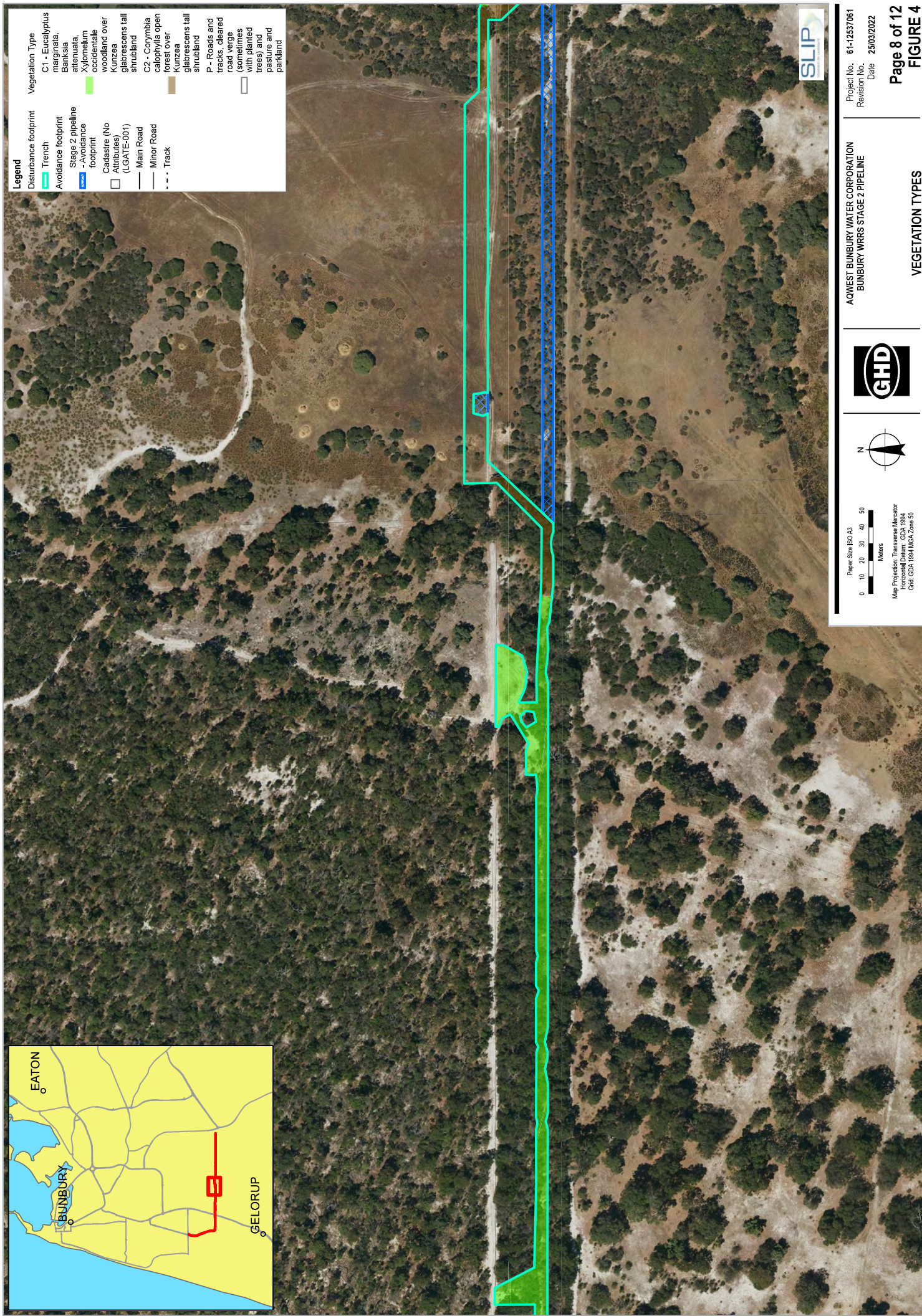
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GCS: GDA 1984 MGA Zone 50

VEGETATION TYPES

Data source: WRS Landscape Aerial Imagery, Roads, Cadastre, GFC Database relevant. Created by: vdwes



Legend

Disturbance footprint	Vegetation Type
Trench	C1 - Eucalyptus mallee, Black sheo, Xylocarpus
Avoidance footprint	woodland over Kurzea
Stage 2 pipeline	glabrescens tall shrubland
- Avoidance footprint	P - Roads and tracks, cleared road verge
Cadastral (No Attributes) (LGATE-001)	(sometimes with planted trees) and pasture and parkland
Main Road	
Minor Road	
Track	



Project No. 61-12537061
 Revision No. 1
 Date 25/03/2022

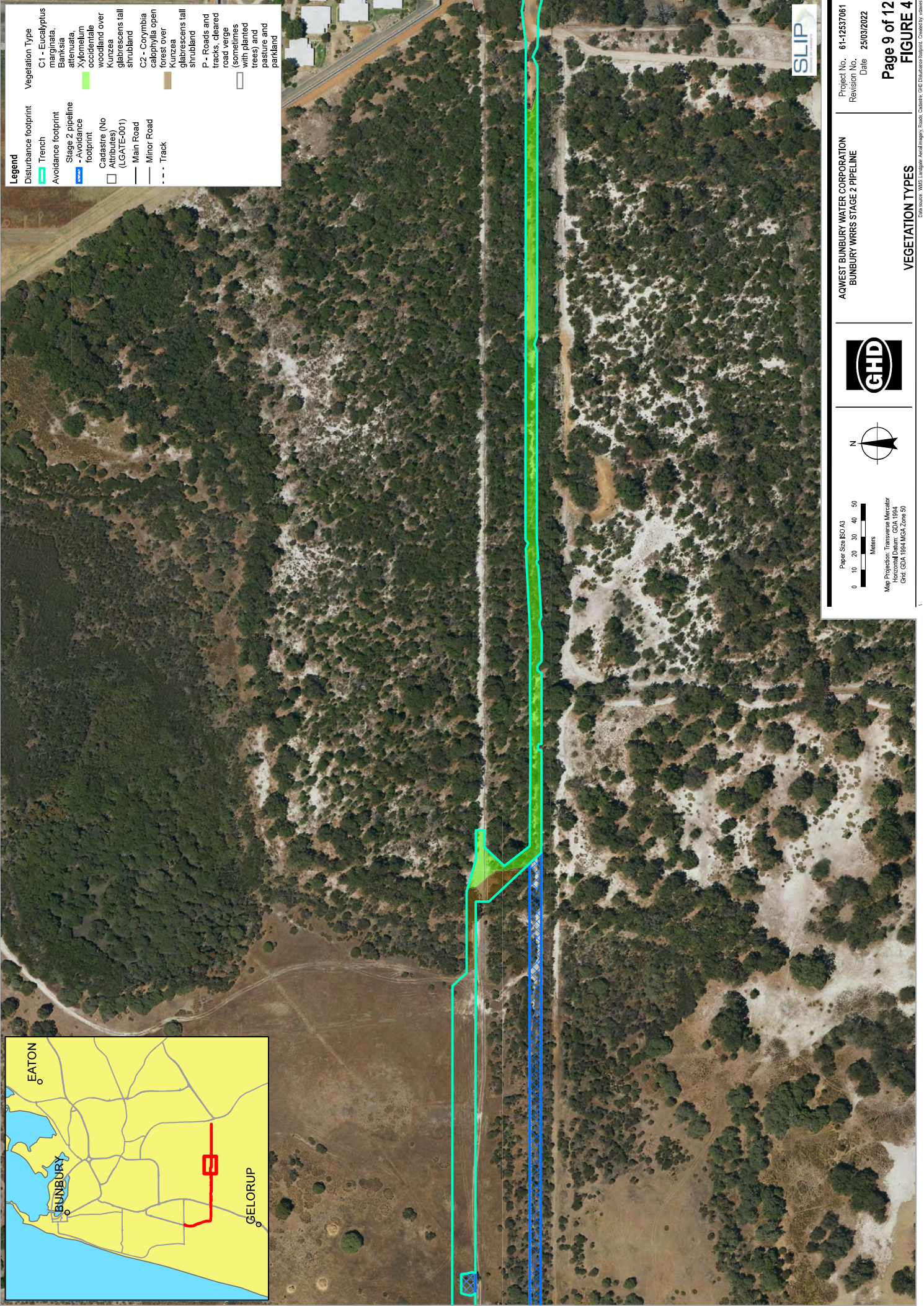
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GHD: GDA 1984 MGA Zone 50

VEGETATION TYPES

Data source: WRS Landscape Aerial Imagery, Roads, Cadastral, GCD Database report. Created by: vslvies



- Legend**
- Disturbance footprint**
 - Trench
 - Avoidance footprint**
 - Stage 2 pipeline
 - Avoidance footprint
 - Cadastral (No Attributes) (LGATE-001)**
 - Main Road
 - Minor Road
 - Track

- Vegetation Type**
- C1 - Eucalyptus macrocarpa, Bursaria, Xylocarpus, Xylocarpus occidentale woodland over Kurzea glabrescens tall shrubland
 - C2 - Corymbia calophylla open forest over Kurzea glabrescens tall shrubland
 - P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland

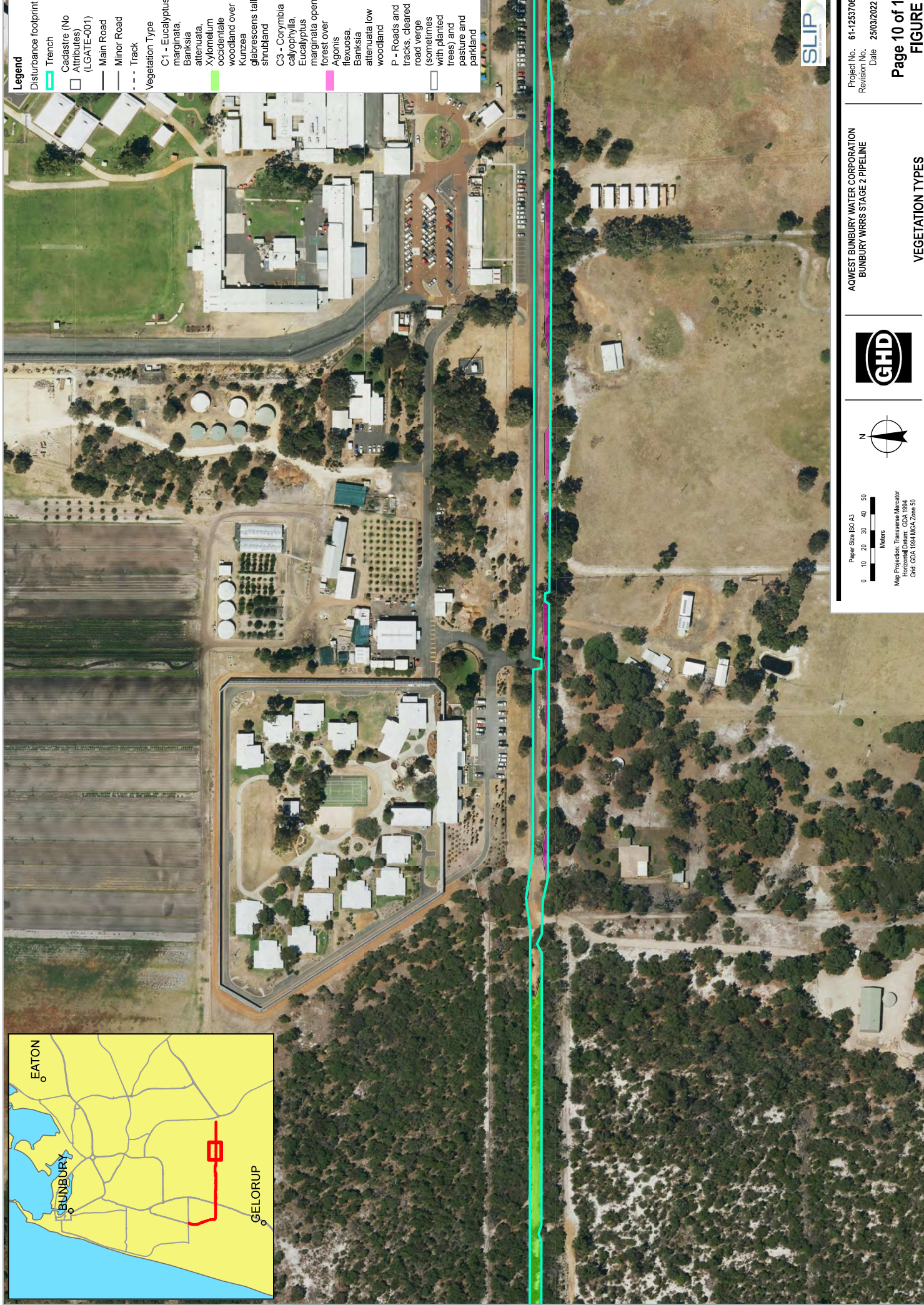


Project No. 61-12537061
 Revision No. Date 25/03/2022

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 GHD: GDA 1994 MGA Zone 50



- Legend**
- Disturbance footprint
 - Trench
 - Cadastral (No Attributes) (LGATE-001)
 - Main Road
 - Minor Road
 - Track
 - Vegetation Type
 - C1 - Eucalyptus marginata, Banksia attenuata, Xylomelum occidentale
 - woodland over Kunzea glabrescens tall shrubland
 - C3 - Corymbia calophylla, Eucalyptus marginata open forest over Agonis flexuosa, Banksia attenuata low woodland
 - P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland



Project No. 61-12537061
 Revision No.
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FIGURE 4

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



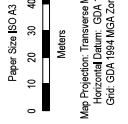
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GCS: GDA 1984 MGA Zone 50



Data source: WIS Landscape Aerial Imagery, Roads, Cadastral, GFC Database relevant. Created by: vslvies



- Legend**
- Disturbance footprint
 - Trench
 - Avoidance footprint
 - Stage 2 pipeline
 - Avoidance footprint
 - Cadastral (No Attributes) (LGATE-001)
 - Main Road
 - Minor Road
 - Track
 - Vegetation Type
 - C3 - Corymbia calyophylla, Eucalyptus marginata open forest over Agonis flexuosa, Banksia attenuata low woodland
 - P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland



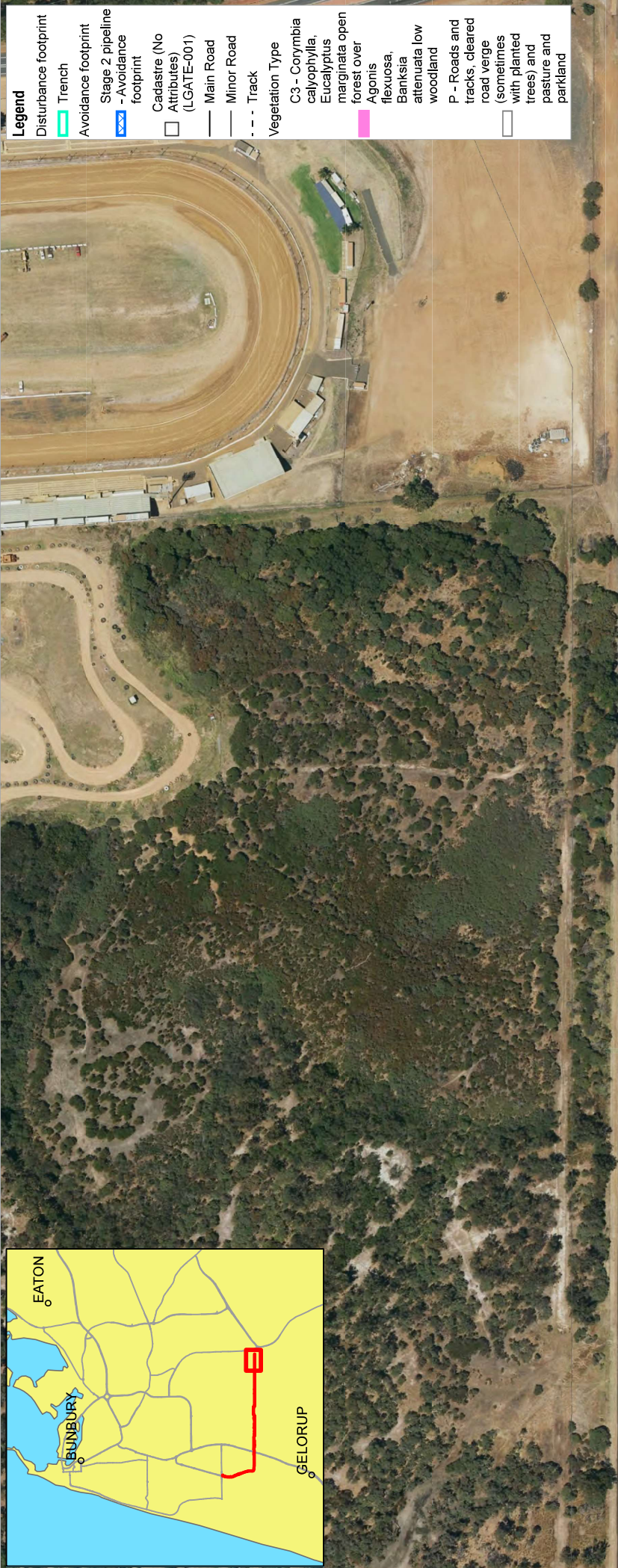
AQWEST BUNBURY WATER CORPORATION
BUNBURY WFRS STAGE 2 PIPELINE

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Date 25/03/2022

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FIGURE 4

VEGETATION TYPES

Data source: WRS Landscape Aerial Imagery, Roads, Cadastral, GFC Database relevant. Created by: vobser



- Legend**
- Disturbance footprint
 - Trench
 - Avoidance footprint
 - Stage 2 pipeline
 - Avoidance footprint
 - Cadastral (No Attributes) (LGATE-001)
 - Main Road
 - Minor Road
 - Track
 - Vegetation Type
 - C3 - Corymbia calyophylla, Eucalyptus marginata open forest over
 - Agonis flexuosa, Banksia attenuata low woodland
 - P - Roads and tracks, cleared road verge (sometimes with planted trees) and pasture and parkland



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FIGURE 4

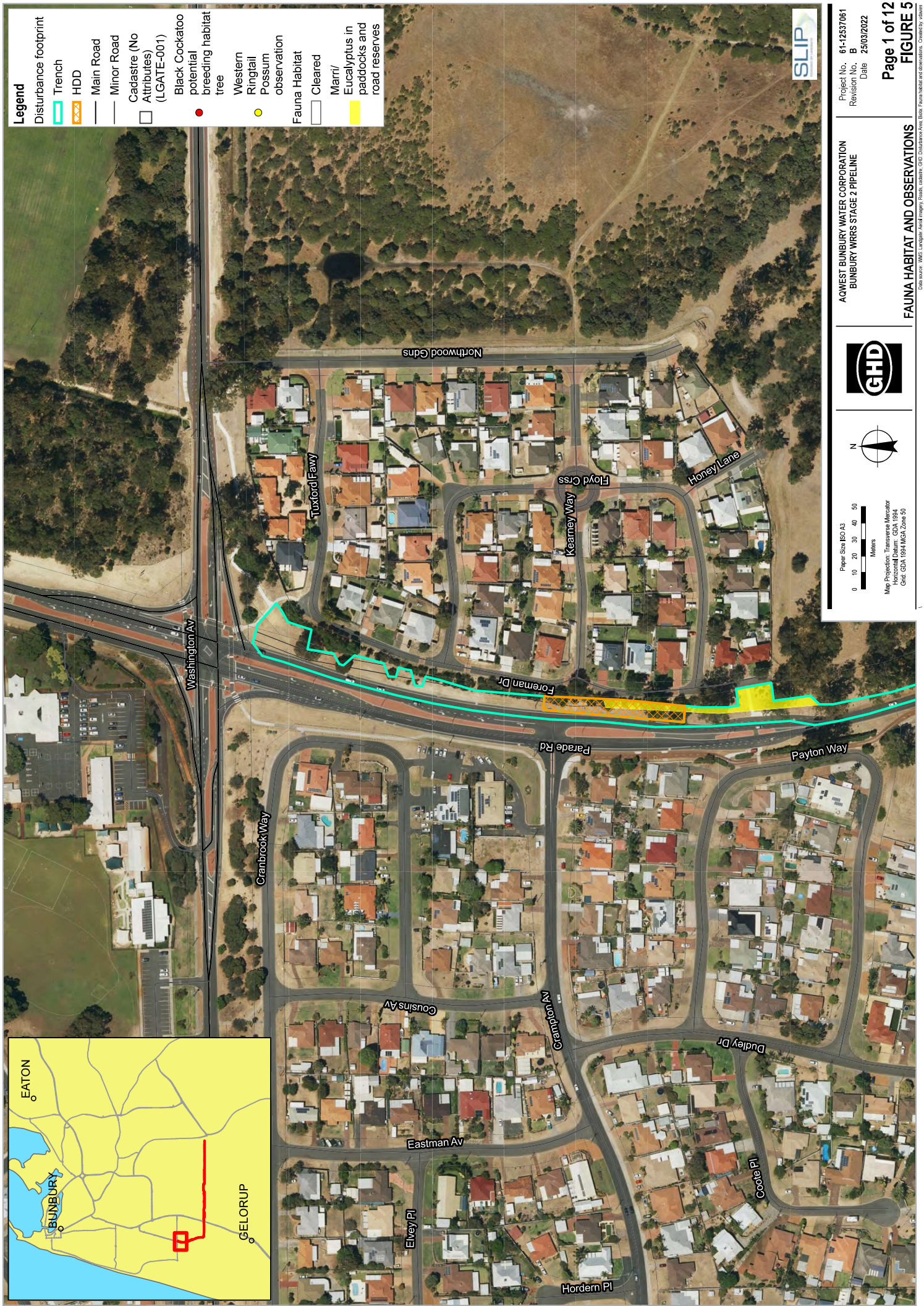
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GCS: GDA 1984 MGA Zone 50

VEGETATION TYPES

Data source: WRS Landscape Aerial Imagery, Roads, Cadastral, GFC Database, etc. Contact by email: [redacted]
 Types: [redacted]



- Legend**
- Disturbance footprint
 - Trench
 - HDD
 - Main Road
 - Minor Road
 - Cadastral (No Attributes) (LGATE-001)
 - Black Cockatoo potential breeding habitat
 - tree
 - Western Ringtail Possum observation
 - Fauna Habitat
 - Cleared
 - Marri/ Eucalyptus in paddocks and road reserves



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FIGURE 5

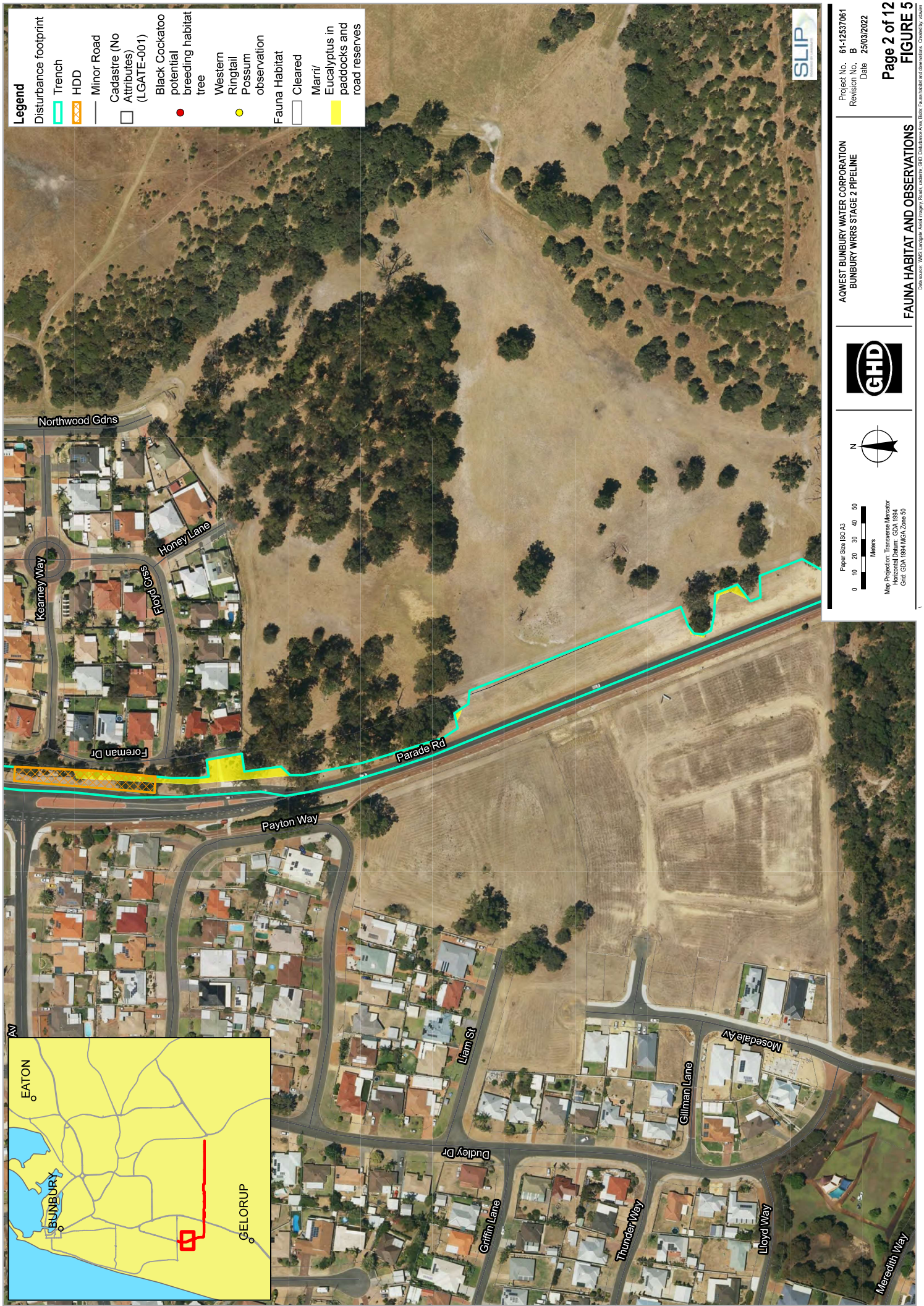
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS (Landscape Aerial Imagery), HMAS, Geoscience Australia, GHD (Disturbance Area, Habitat).
 Version: 01/04/2022 (Project Path: 61-12537061\GIS\Map\Working\Map_01\2537061_EFPO\Water\Stage_2\2022_12\Fauna\HabitatAndObservations_2022_12.aprx)



Legend

	Disturbance footprint
	Trench
	HDD
	Minor Road
	Cadastral (No Attributes) (LGATE-001)
	Black Cockatoo potential breeding habitat tree
	Western Ringtail Possum observation
	Fauna Habitat
	Cleared
	Marri/Eucalyptus in paddocks and road reserves



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FIGURE 5

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE

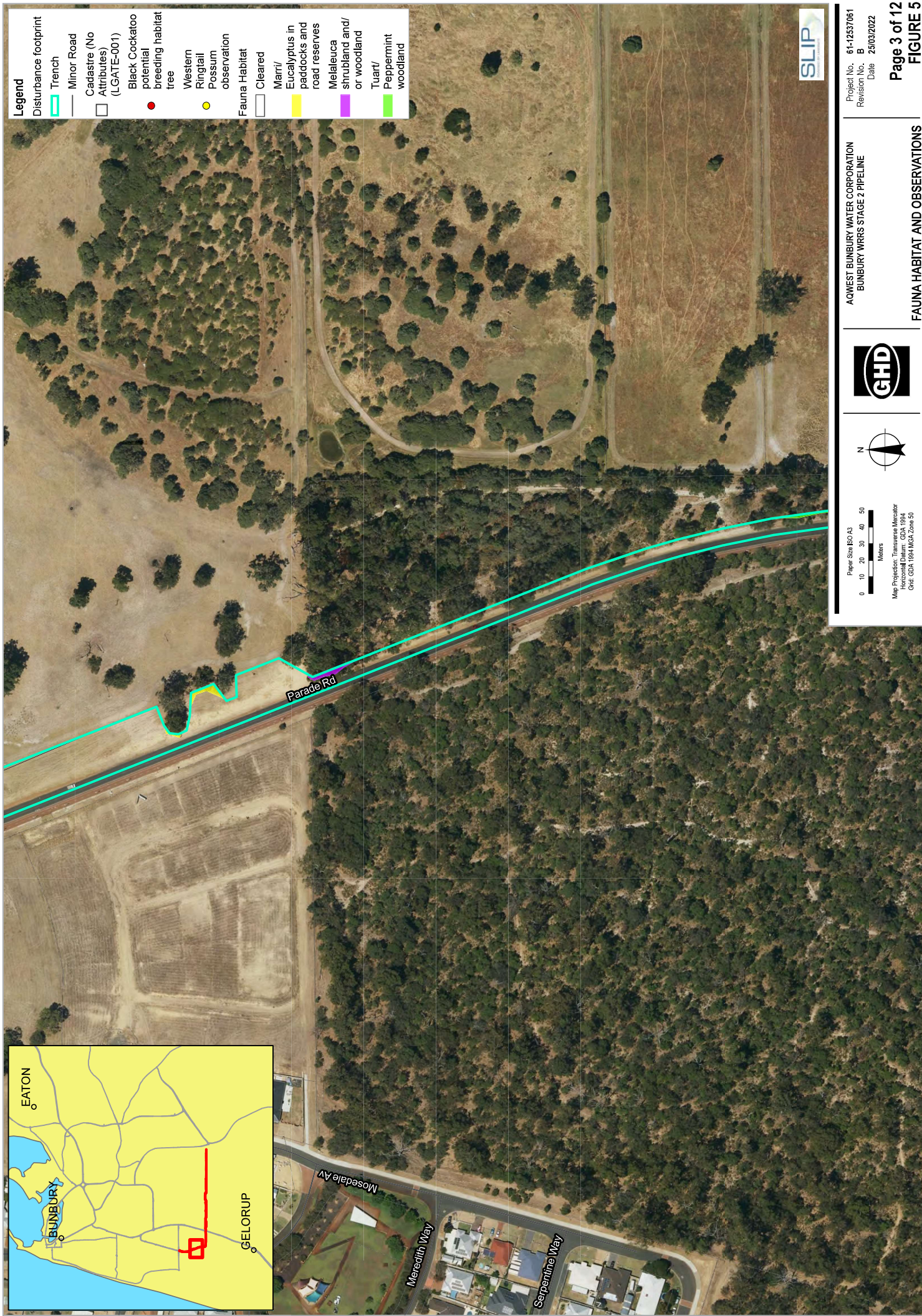


FAUNA HABITAT AND OBSERVATIONS



Paper Size ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 GHD GDA 1994 MGA Zone 50

Source: WMS, Lantana, Aerial Imagery, Photos, Collists, GHD, Disturbance Area, Bobs, Fauna Habitat and Observations, Created by observer habitat



Legend	
Disturbance footprint	Cyan line
Trench	Yellow line
Minor Road	Black line
Cadastral (No Attributes) (LGATE-001)	White square
Black Cockatoo potential breeding habitat tree	Red dot
Western Ringtail Possum observation	Yellow dot
Fauna Habitat	White square
Cleared	White square
Marri/ Eucalyptus in paddocks and road reserves	Yellow square
Melaleuca shrubland and/ or woodland	Purple square
Tuart/ Peppermint woodland	Green square



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 FIGURE 5

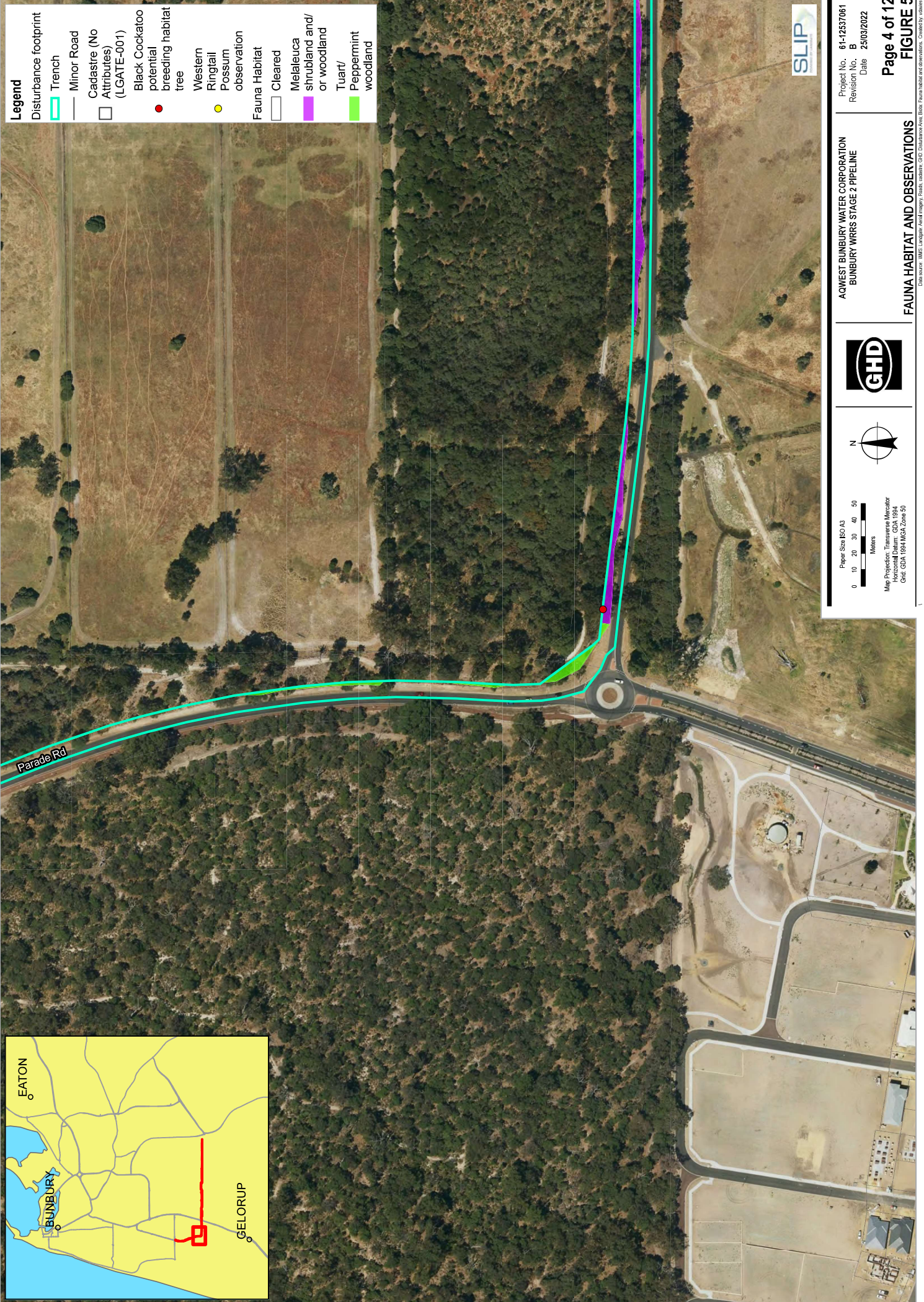
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size: ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GCS: GDA 1984 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS, Lantana, Aerial Imagery, Photos, cadastre, GHD, Disturbance Area, Bobs, Fauna habitat and observations, Created by: vobner



- Legend**
- Disturbance footprint
 - Trench
 - Minor Road
 - Cadastre (No Attributes) (LGATE-001)
 - Black Cockatoo potential breeding habitat tree
 - Western Ringtail Possum observation
 - Fauna Habitat
 - Cleared
 - Melaleuca shrubland and/or woodland
 - Tuart/Peppermint woodland



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 FIGURE 5

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WRRS STAGE 2 PIPELINE

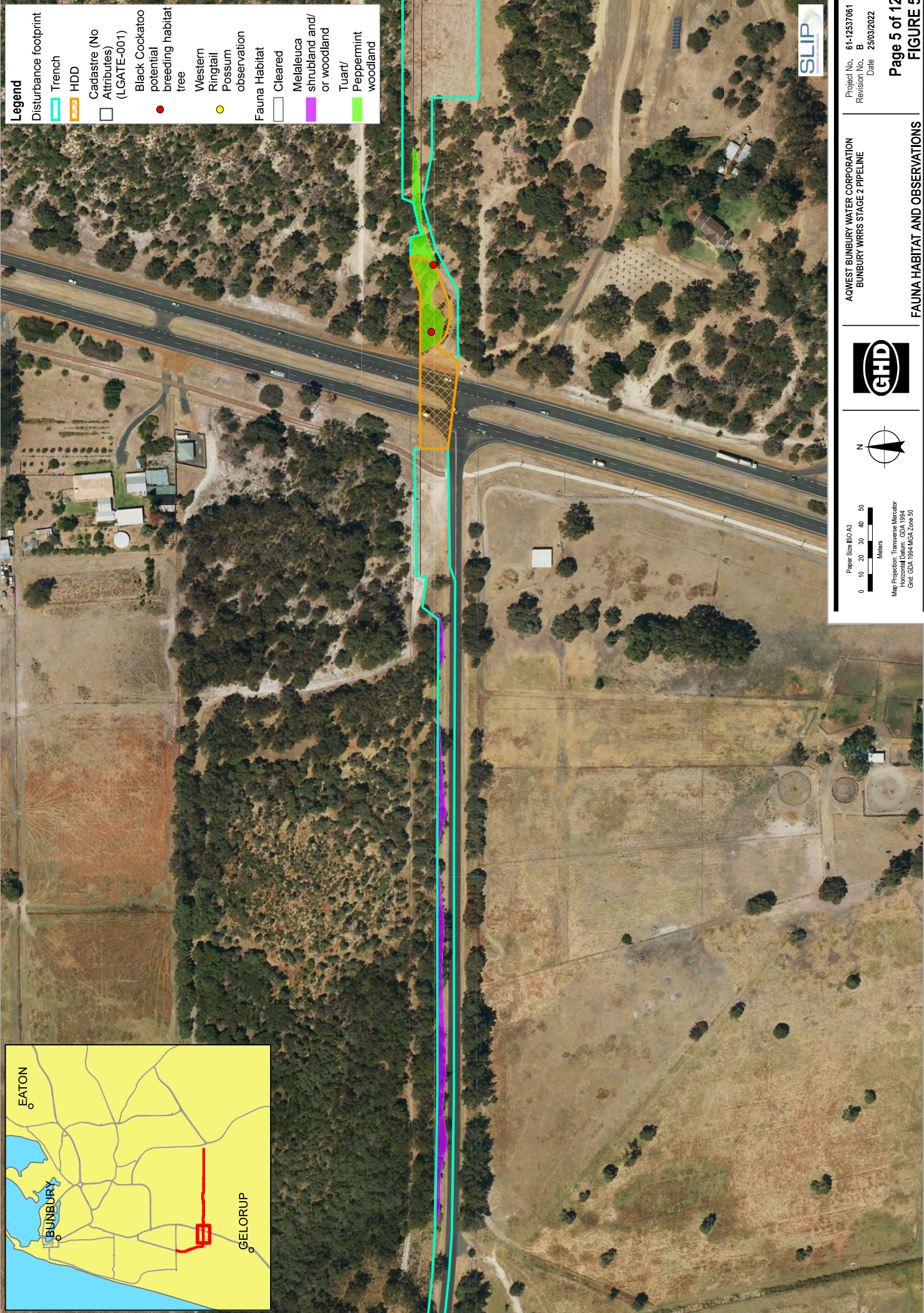


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Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GHD GDA 1984 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS (Aerial Imagery), Pointclouds, GHD (Disturbance Area, Black Cockatoo Potential Breeding Habitat, Western Ringtail Possum Observation, Cleared, Melaleuca Shrubland and/or Woodland, Tuart/Peppermint Woodland).
 G:\Projects\61-12537061\GIS\Map\Working\Map_01\12537061_EPB2\Water\Stage2_201212



Legend

Disturbance footprint	HDD	Black Cockatoo potential breeding habitat
Trench	Melaleuca shrubland and/or woodland	Western Ringtail Possum observation
Cadastre (No Attributes) (LGATE-001)	Peppermint woodland	Fauna Habitat
Black Cockatoo potential breeding habitat		Cleared
Western Ringtail Possum observation		Melaleuca shrubland and/or woodland
Fauna Habitat		Tuart/Peppermint woodland



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FIGURE 5

AQUWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Scale: 1:5000
 0 10 20 30 40 50
 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GHD: GDA 1984 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS, Langgair, Aerial Imagery, Fields, cadastre, GHD. Disturbance Area, Bobs. Fauna habitat and observations. Created by: vobner



Legend

- Disturbance footprint
- Trench
- HDD
- Cadastre (No Attributes) (LGATE-001)
- Black Cockatoo potential breeding habitat
- Western Ringtail Possum observation
- Fauna Habitat
- Cleared
- Tuart/Peppermint woodland



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FIGURE 5

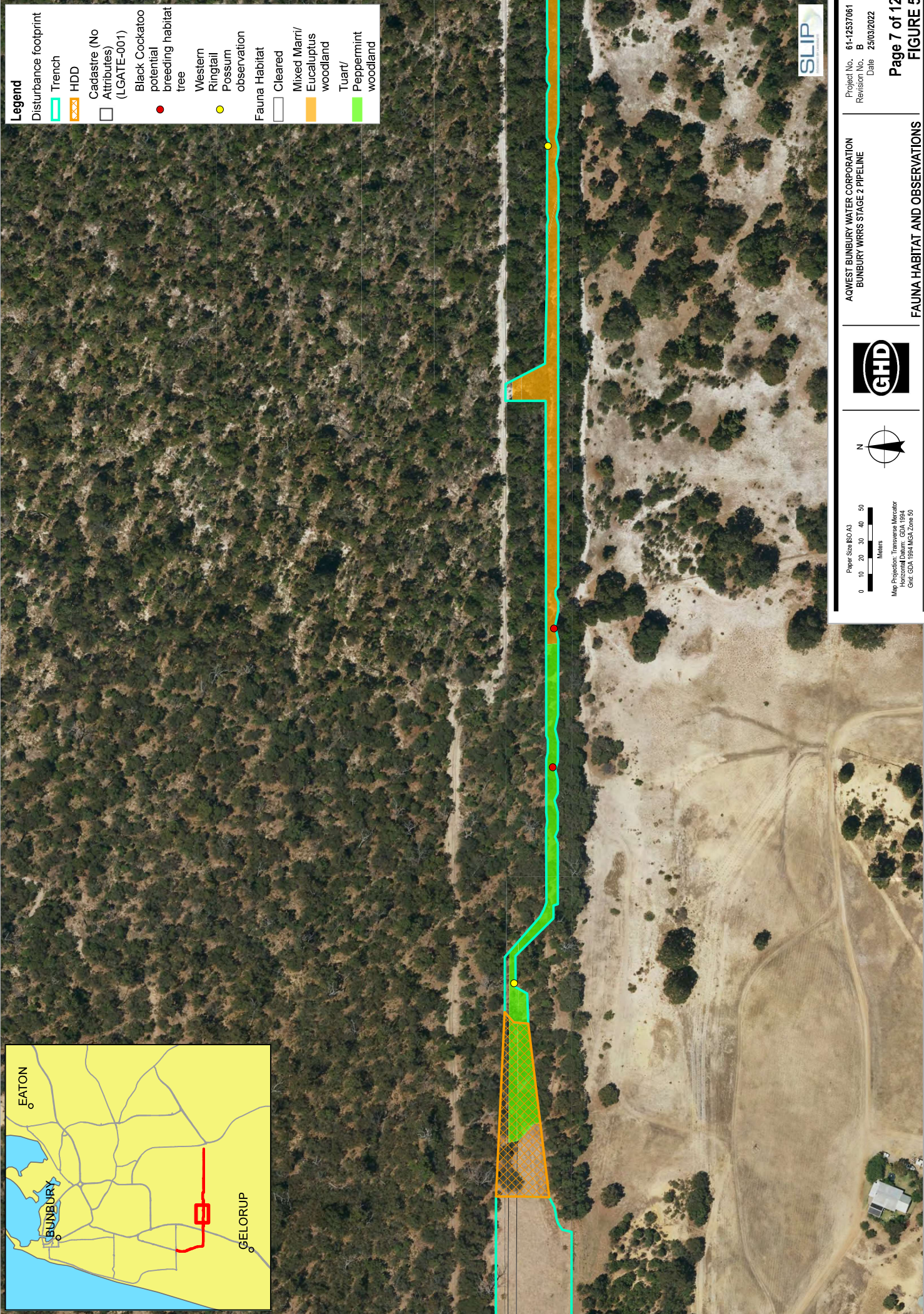
AQWEST BUNBURY WATER CORPORATION
BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
GCS: GDA 1994 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS (Landscape Aerial Imagery), HMAS, Geoscience, GHD (Disturbance Area, Bore), Fauna habitat and observations. Created by: vobner



- Legend**
- Disturbance footprint
 - Trench
 - HDD
 - Cadastre (No Attributes) (LGATE-001)
 - Black Cockatoo potential breeding habitat tree
 - Western Ringtail Possum observation
 - Fauna Habitat
 - Cleared
 - Mixed Marni/Eucalyptus woodland
 - Tuart/Peppermint woodland



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FIGURE 5

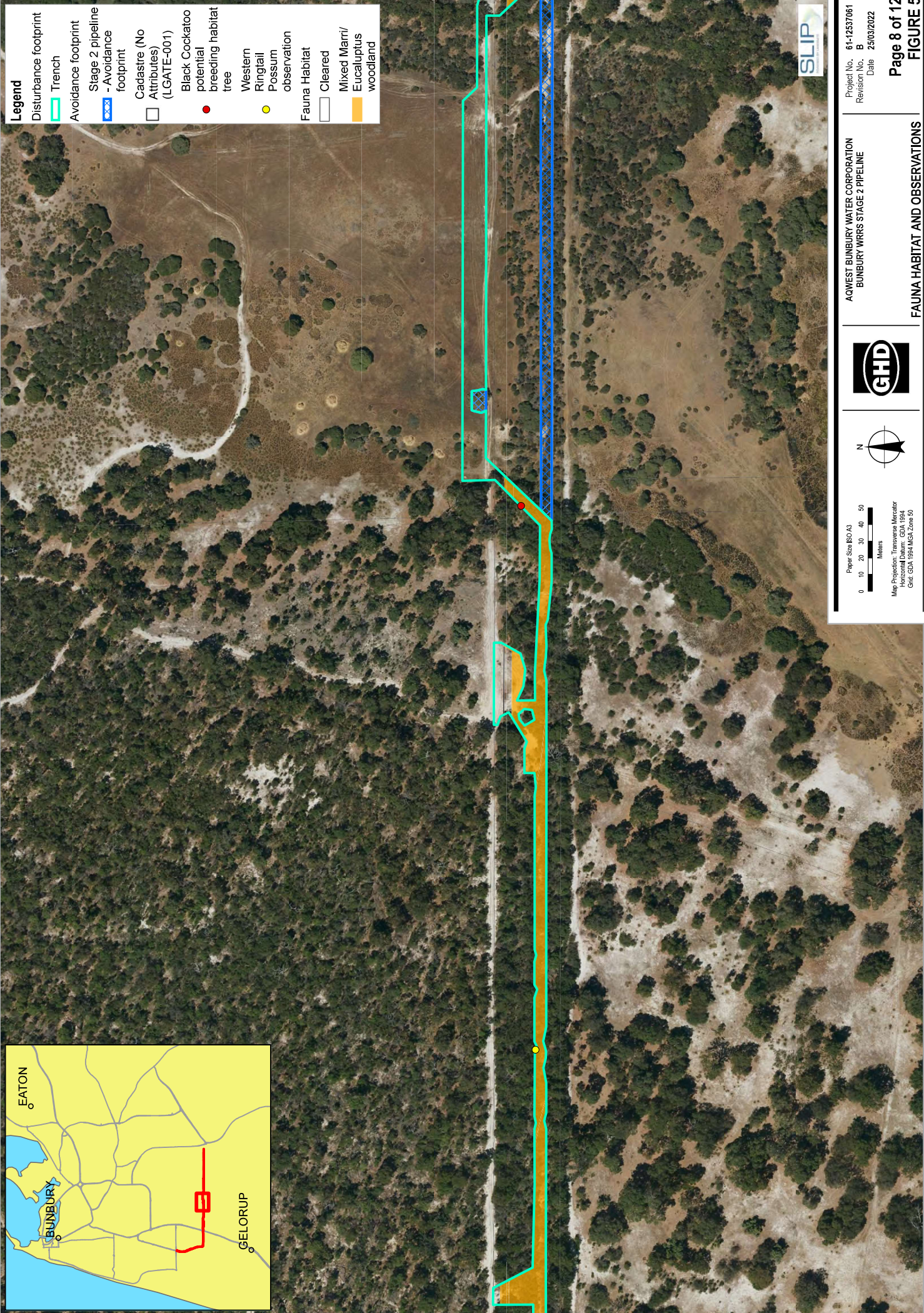
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GHD: GDA 1984 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS, Lantana, Aerial Imagery, Tracks, Corridors, GHD, Disturbance Area, Bobs, Fauna Habitat and Observations. Created by: vobser



- Legend**
- Disturbance footprint
 - Trench
 - Avoidance footprint
 - Stage 2 pipeline - Avoidance footprint
 - Cadastral (No Attributes) (LGATE-001)
 - Black Cockatoo potential breeding habitat tree
 - Western Ringtail Possum observation
 - Fauna Habitat
 - Cleared
 - Mixed Marni/Eucalyptus woodland



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 FIGURE 5

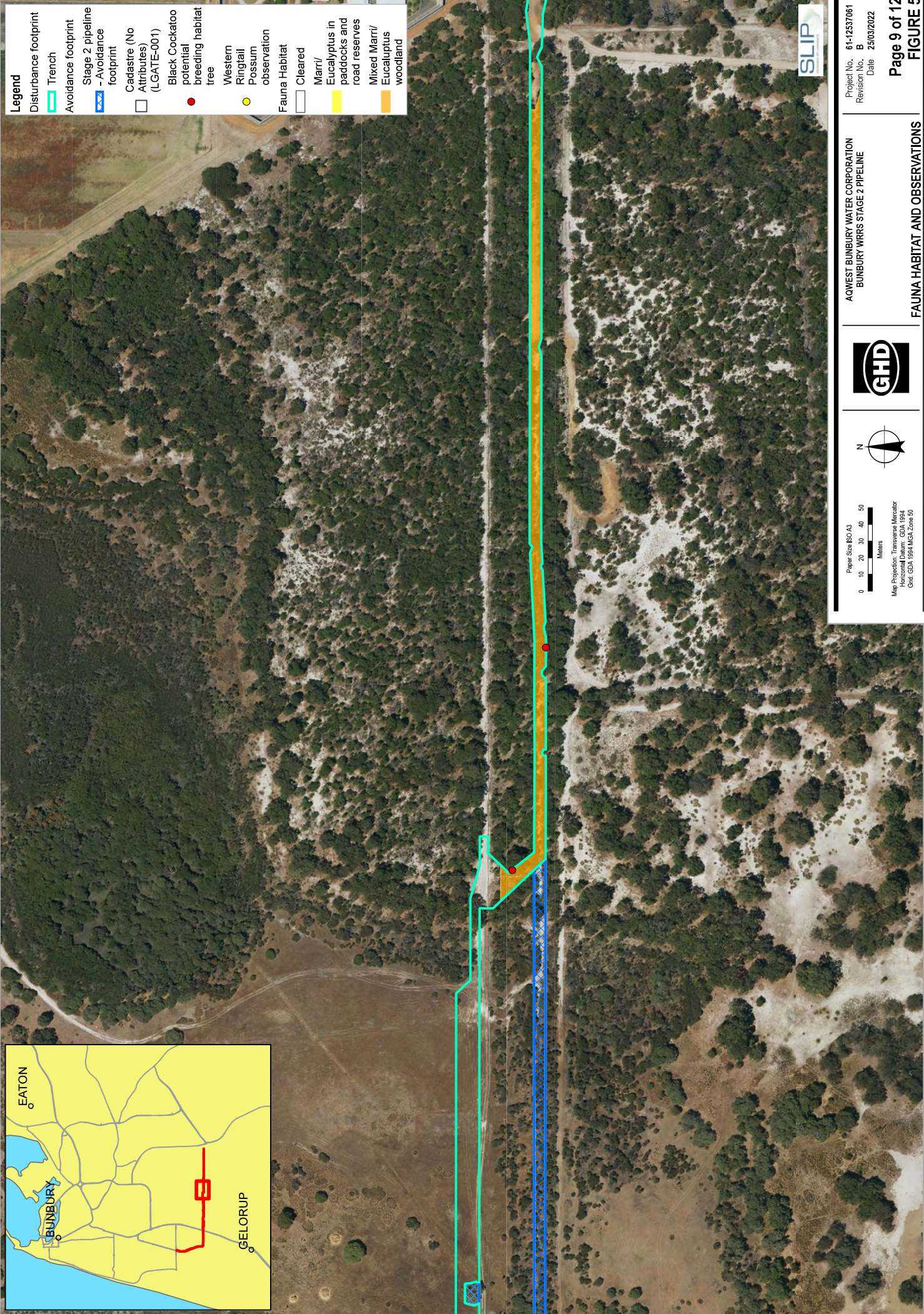
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GCS: GDA 1984 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS (Landscape Aerial Imagery), WMS (Satellite), GHD (Disturbance Area, BBox), Fauna Habitat and Observations. Created by: vobner



- Legend**
- Disturbance footprint
 - Trench
 - Avoidance footprint
 - Stage 2 pipeline - Avoidance footprint
 - Cadastral (No Attributes) (LGATE-001)
 - Black Cockatoo potential breeding habitat tree
 - Western Ringtail Possum observation
 - Fauna Habitat
 - Cleared
 - Marri/ Eucalyptus in paddocks and road reserves
 - Mixed Marri/ Eucalyptus woodland



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FIGURE 5

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
 0 10 20 30 40 50
 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 GHD GDA 1994 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS Longair Aerial Imagery, 1994; GHD Disturbance Area; Bobs 7 Fauna Habitat and Observations. Created by: vobner



- Legend**
- Disturbance footprint
 - Trench
 - Cadastre (No Attributes) (LGATE-001)
 - Black Cockatoo potential breeding habitat tree
 - Western Ringtail Possum observation
 - Fauna Habitat
 - Cleared Marri/ Eucalyptus in paddocks and road reserves
 - Mixed Marri/ Eucalyptus woodland

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AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
 0 10 20 30 40 50
 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 GCS: GDA 1984 MGA Zone 50



- Legend**
- Disturbance footprint
 - Trench
 - Avoidance footprint
 - Stage 2 pipeline - Avoidance footprint
 - Cadastral (No Attributes) (LGATE-001)
 - Black Cockatoo potential breeding habitat tree
 - Western Ringtail Possum observation
 - Fauna Habitat
 - Cleared
 - Marri/ Eucalyptus in paddocks and road reserves
 - Melaleuca shrubland and/ or woodland



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FIGURE 5

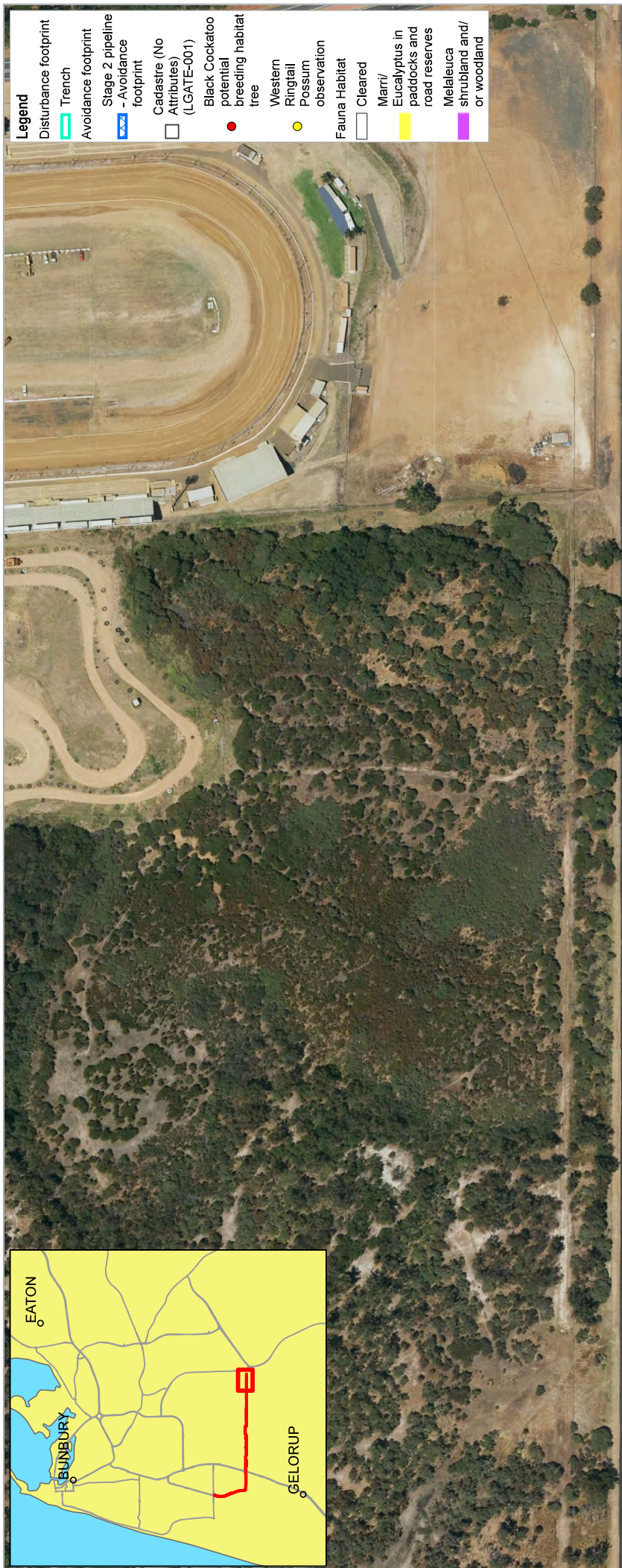
AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
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 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1984
 Grid: GDA 1984 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS, Landscape Aerial Imagery, Photos, cadastre, GHD, Disturbance Area, Bobs, Fauna Habitat and Observations, Created by: vobser Habitat



- Legend**
- Disturbance footprint
 - Trench
 - Avoidance footprint
 - Stage 2 pipeline - Avoidance footprint
 - Cadastral (No Attributes) (LGATE-001)
 - Black Cockatoo potential breeding habitat tree
 - Western Ringtail Possum observation
 - Fauna Habitat
 - Cleared
 - Marri/ Eucalyptus in paddocks and road reserves
 - Melaleuca shrubland and/ or woodland



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FIGURE 5

AQWEST BUNBURY WATER CORPORATION
 BUNBURY WFRS STAGE 2 PIPELINE



Paper Size ISO A3
 0 10 20 30 40 50
 Meters
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 GHD GDA 1994 MGA Zone 50

FAUNA HABITAT AND OBSERVATIONS

Data source: WMS (aerial imagery), Maps, cadastre, GHD (Disturbance area, Black Cockatoo potential breeding habitat, Western Ringtail Possum observation, Cleared, Marri/ Eucalyptus in paddocks and road reserves, Melaleuca shrubland and/ or woodland)