



mainroads
WESTERN AUSTRALIA

Revegetation Publication Report

MET0044

*We're working for
Western Australia.*

Contents

1	PURPOSE	3
2	REVEGETATION DETAILS	3
2.1	Revegetation Details.....	3
2.1.1	Site Prior to Revegetation, and Species List	3

Document Control

Owner	Main Roads Western Australia
Custodian	Main Roads Western Australia
Document Number	D20#1083748
Issue Date	
Review Frequency	

Amendments

Revision Number	Revision Date	Description of Key Changes	Section / Page No.
0	27/11/2020	Document Release	
1			

1 PURPOSE

This Revegetation Publication Report (RPR) details the revegetation undertaken by Main Roads Western Australia (Main Roads).

2 REVEGETATION DETAILS

2.1 Revegetation Details

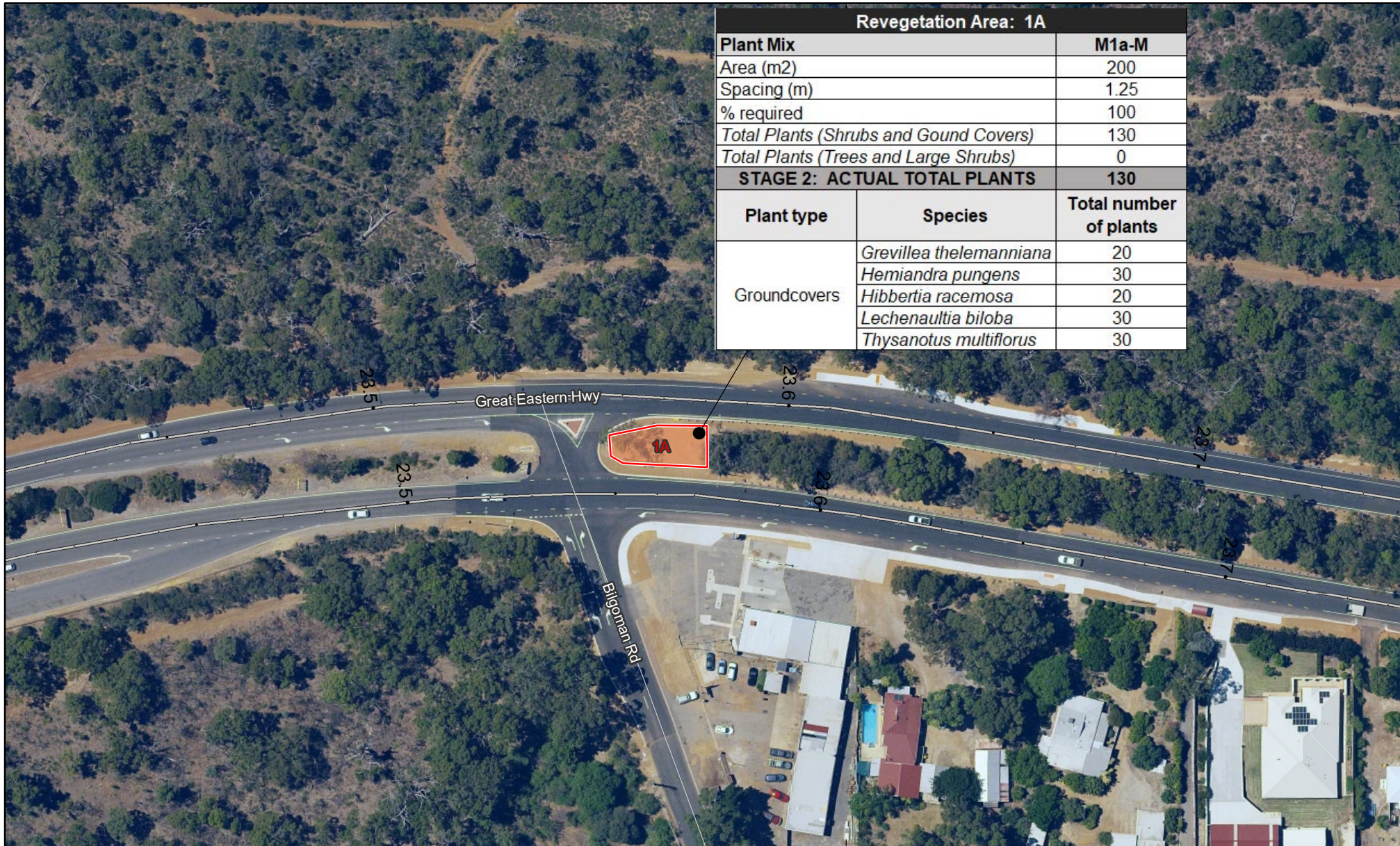
The revegetation was completed October 2019 on the Great Eastern Highway Stage 2 Bilgoman Road to Kintore Road.

Table 1: Main Roads' Revegetation Details

Main Roads Region	Metro Region
Road Name	Great Eastern Highway
Road Number	H005
Start SLK	23.54
End SLK	30.78
Central GPS Coordinates	- Latitude (N): -31.899944 - Longitude (E): 116.135620
Custom Revegetation Reference Number (RNN)	MET0044
Approximate Area of Revegetation	2.84 ha
Year Revegetation Occurred	2019
Type of Revegetation	Ripping, mulching, tubestock planting, watering-in.
Brief description of Revegetation.	2.84 ha revegetation of the Great Eastern Highway between SLK 23.54 and 30.78 ha.
Species used	Refer to below figures.
Additional information	NA

2.1.1 Site Prior to Revegetation, and Species List

Refer to images below for locations of revegetation and species planted.



Revegetation Area: 1A		
Plant Mix	M1a-M	
Area (m2)	200	
Spacing (m)	1.25	
% required	100	
Total Plants (Shrubs and Gound Covers)	130	
Total Plants (Trees and Large Shrubs)	0	
STAGE 2: ACTUAL TOTAL PLANTS		130
Plant type	Species	Total number of plants
Groundcovers	<i>Grevillea thelemanniana</i>	20
	<i>Hemiandra pungens</i>	30
	<i>Hibbertia racemosa</i>	20
	<i>Lechenaultia biloba</i>	30
	<i>Thysanotus multiflorus</i>	30

LEGEND

Revegetation Area

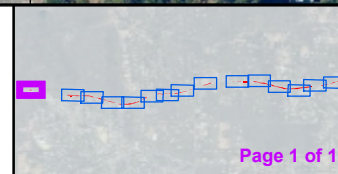
Plant Mix

M1a-M: JF mix ground cover for sight lines - Mulch req.

Network Type

State Road

Local Road



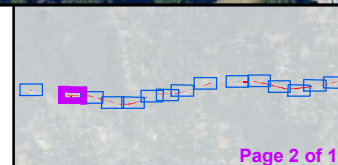
Page 1 of 15

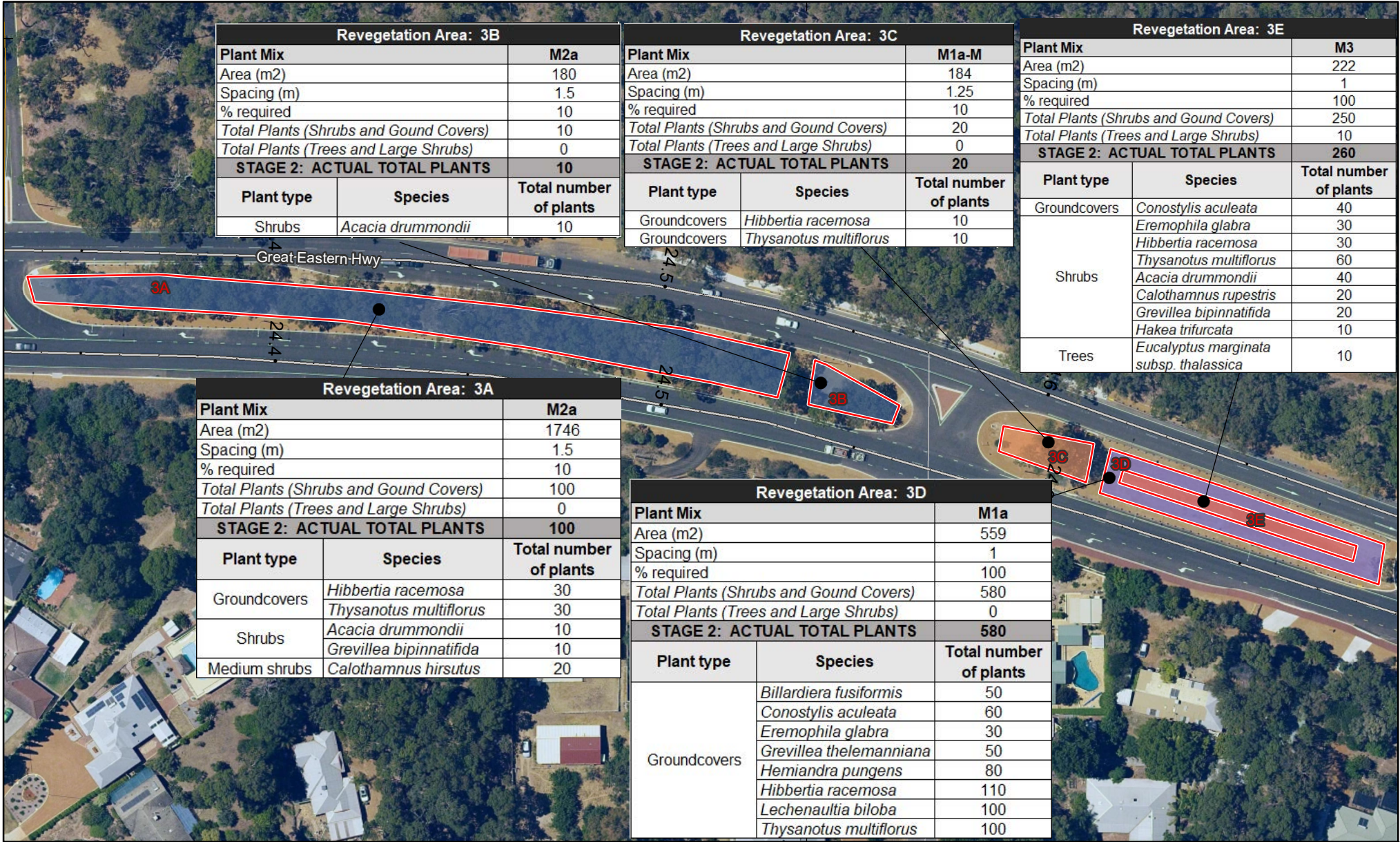
GEH STAGE 2 PROJECT

Revegetation Plan

**LEGEND**

- Revegetation Area
 M2a: JF mix infill planting at 10%
 Miscellaneous Road
- Plant Mix**
 M1b: Stage 1 Low ground cover
 State Road
- Network Type**





LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

M1a-M: JF mix ground cover for sight lines - Mulch req.

M2a: JF mix infill planting at 10%

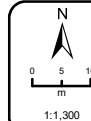
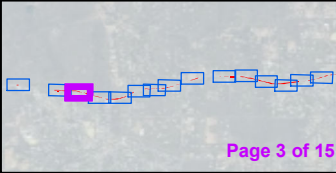
M3: JF mix tree and understory mix - 3 GTs

Network Type

State Road

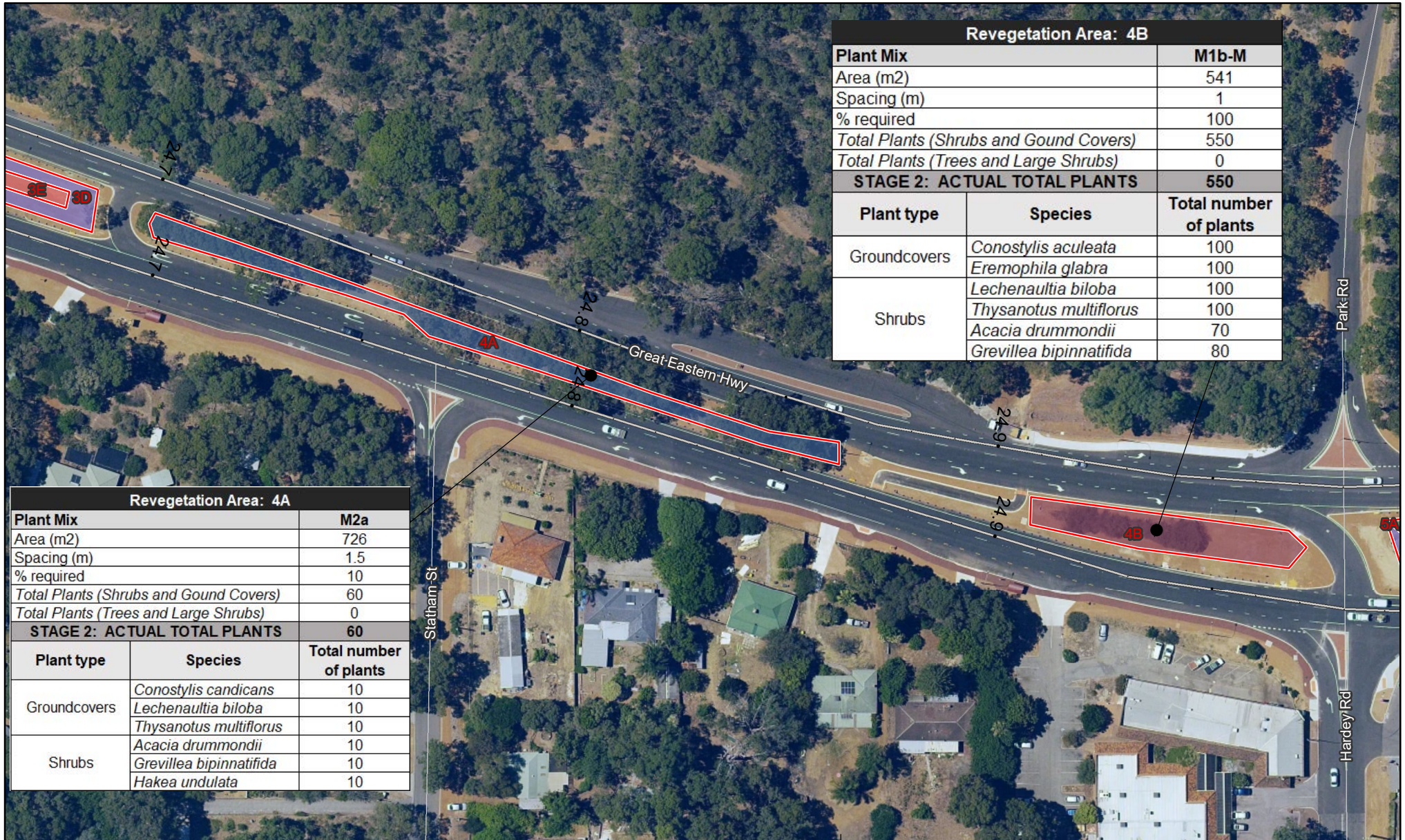
Local Road

Miscellaneous Road



GEH STAGE 2 PROJECT

Revegetation Plan



LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

M1b-M: Stage 1 Low ground cover - Mulch req.

M2a: JF mix infill planting at 10%

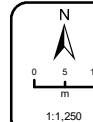
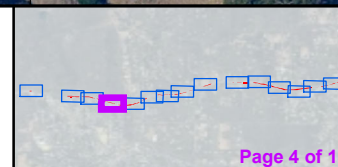
M2a: JF mix infill planting at 80%

M3: JF mix tree and understory mix - 3 GTs

Network Type

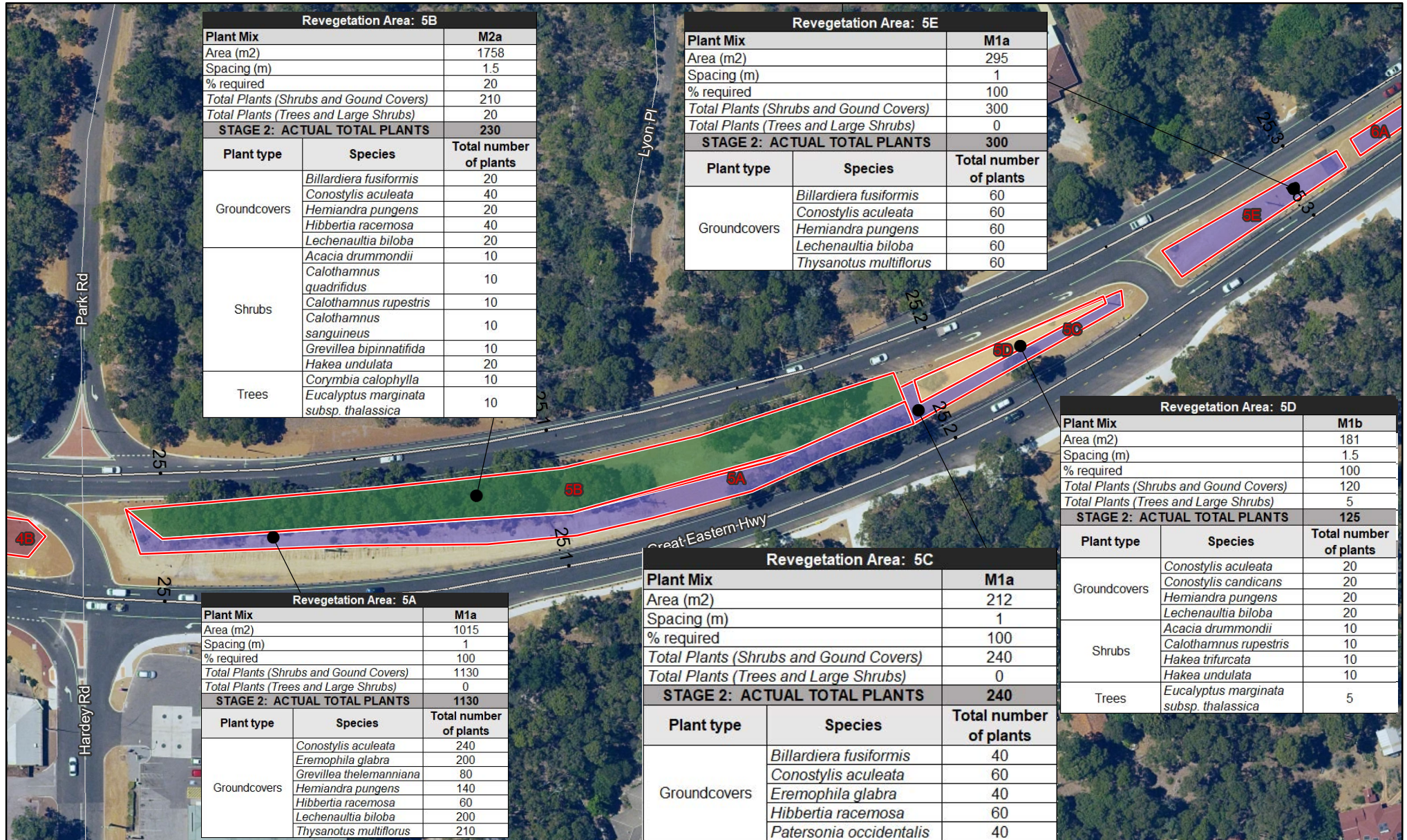
State Road

Local Road



GEH STAGE 2 PROJECT

Revegetation Plan

**LEGEND**

 Revegetation Area

Plant Mix

 M1a: JF mix ground cover for sight lines

 M1b-M: Stage 1 Low ground cover - Mulch req.

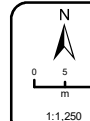
 M2a: JF mix infill planting at 80%

 M3: JF mix tree and understory mix

Network Type

 State Road

 Local Road

**GEH STAGE 2 PROJECT****Revegetation Plan**



Revegetation Area: 6A		
Plant Mix		M1a
Area (m2)		246
Spacing (m)		1
% required		100
Total Plants (Shrubs and Gound Covers)		300
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		300
Plant type	Species	Total number of plants
Groundcovers	<i>Billardiera fusiformis</i>	50
	<i>Conostylis aculeata</i>	50
	<i>Conostylis candicans</i>	50
	<i>Hemiandra pungens</i>	50
	<i>Lechenaultia biloba</i>	50
	<i>Thysanotus multiflorus</i>	50

LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

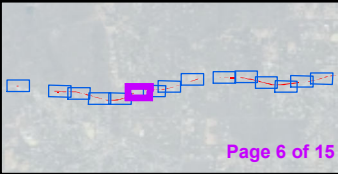
M1a-M: JF mix ground cover for sight lines - Mulch req.

M2a: JF mix infill planting at 30%

Network Type

State Road

Local Road



Page 6 of 15

N

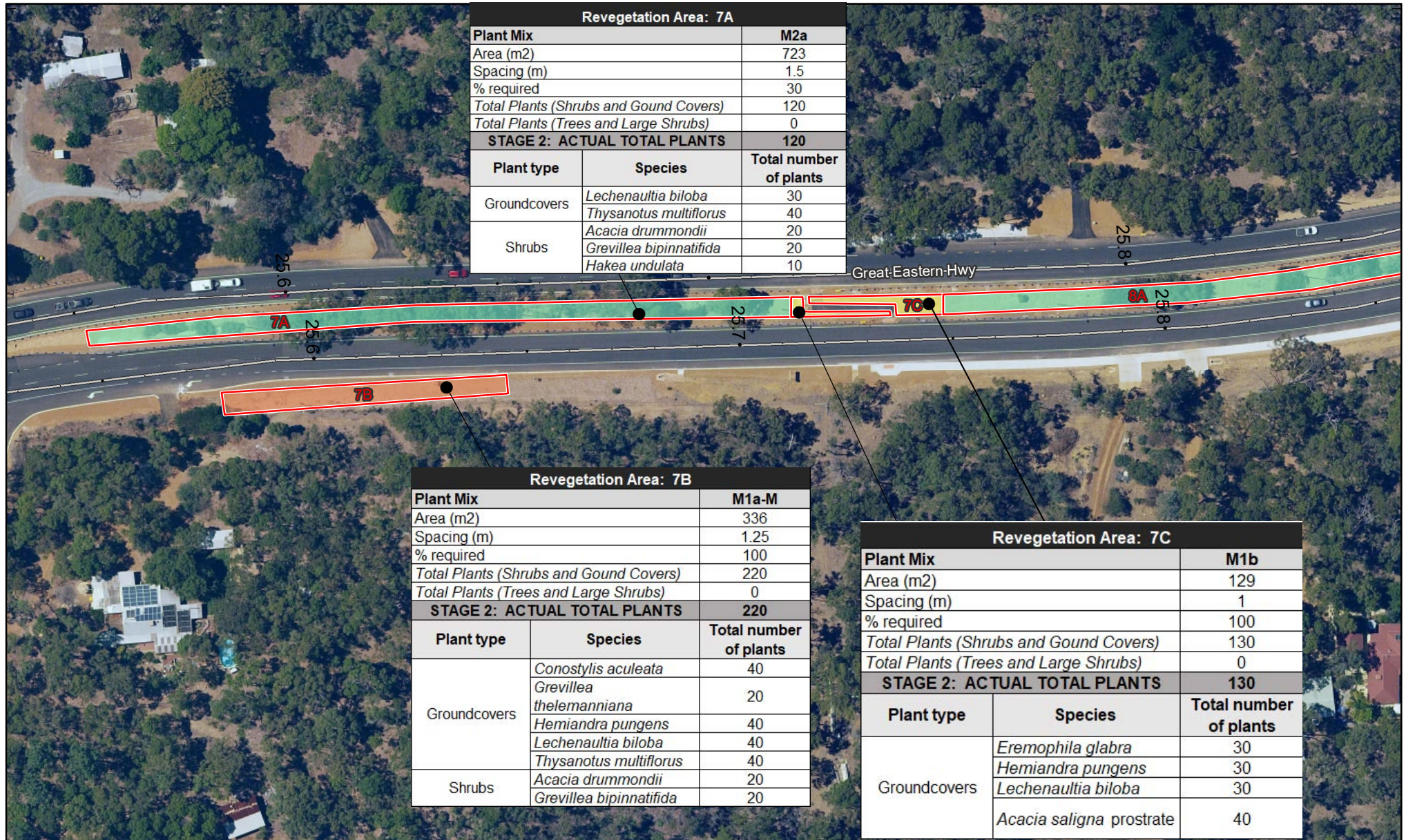
0 5 10

m

1:1,250

GEH STAGE 2 PROJECT

Revegetation Plan

**LEGEND**

Revegetation Area

Plant Mix

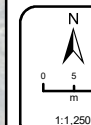
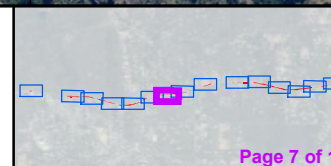
M1a-M: JF mix ground cover for sight lines - Mulch req.

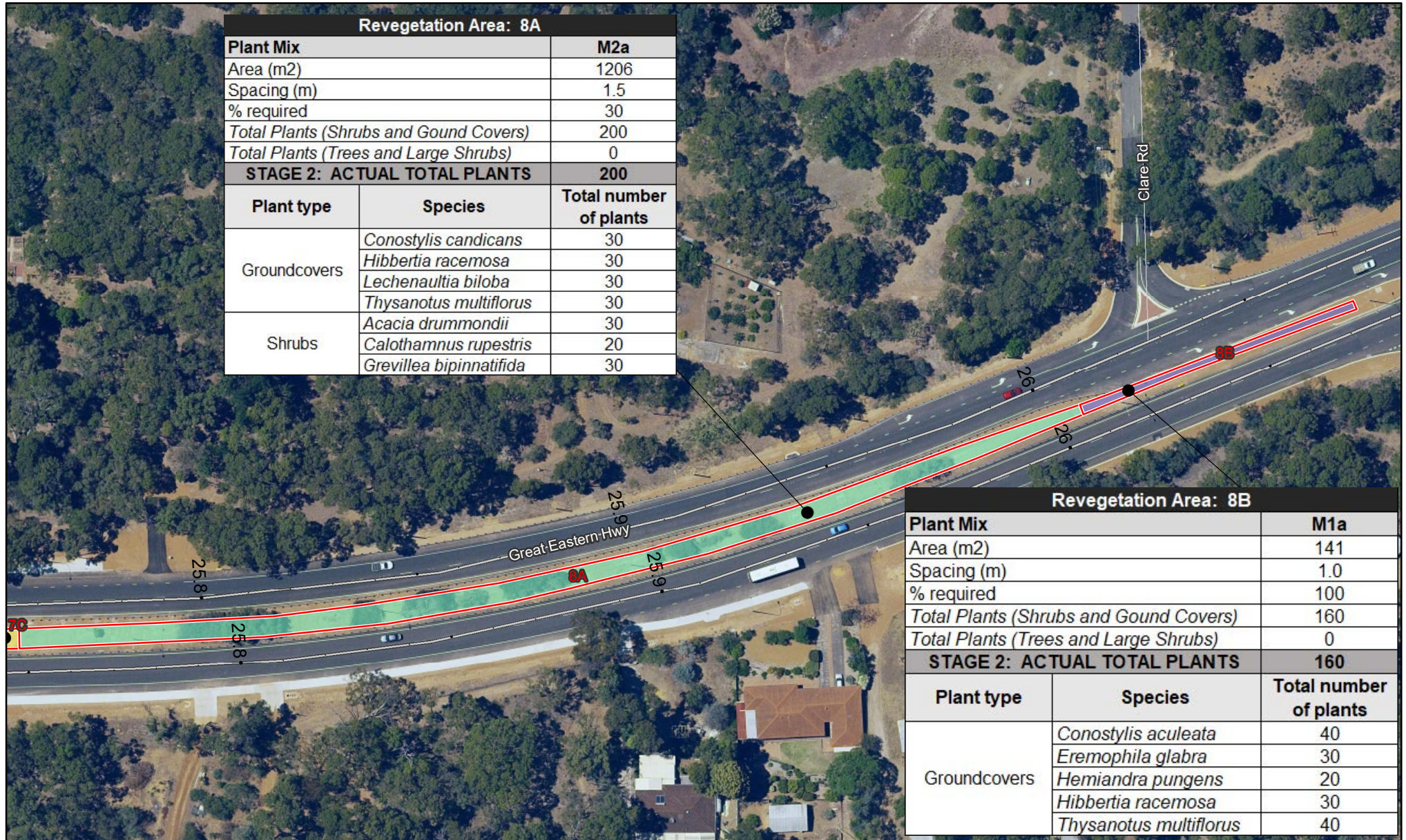
M1b: Stage 1 Low ground cover

M2a: JF mix infill planting at 30%

Network Type

State Road

**GEH STAGE 2 PROJECT****Revegetation Plan**



LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

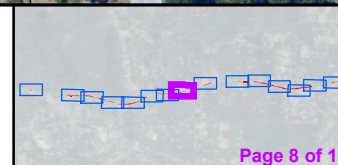
M1b: Stage 1 Low ground cover

M2a: JF mix infill planting at 30%

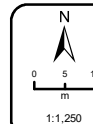
Network Type

State Road

Local Road

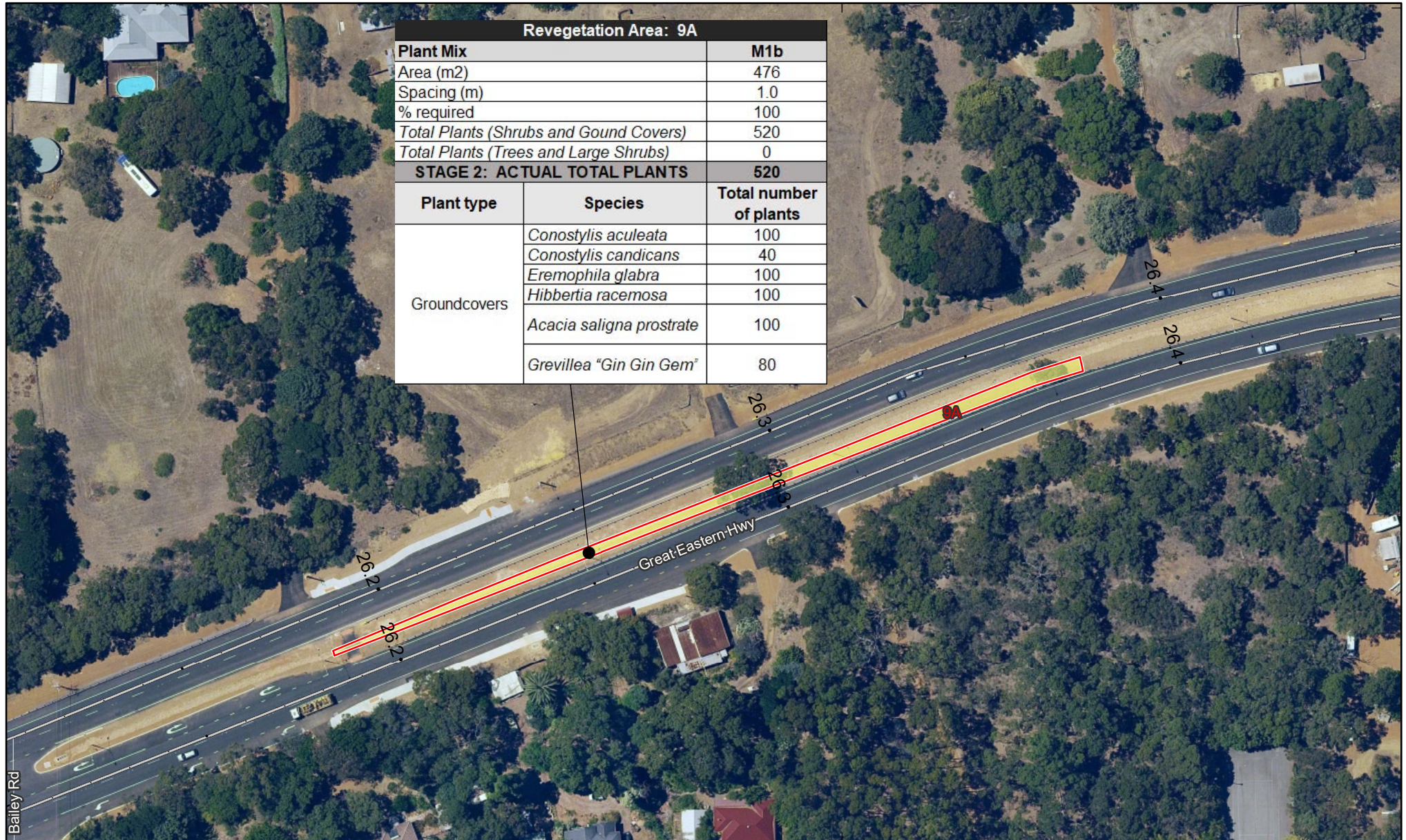


Page 8 of 15



GEH STAGE 2 PROJECT

Revegetation Plan

**LEGEND**

Revegetation Area

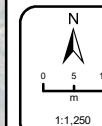
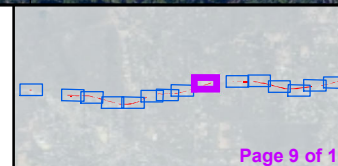
Plant Mix

M1b: Stage 1 Low ground cover

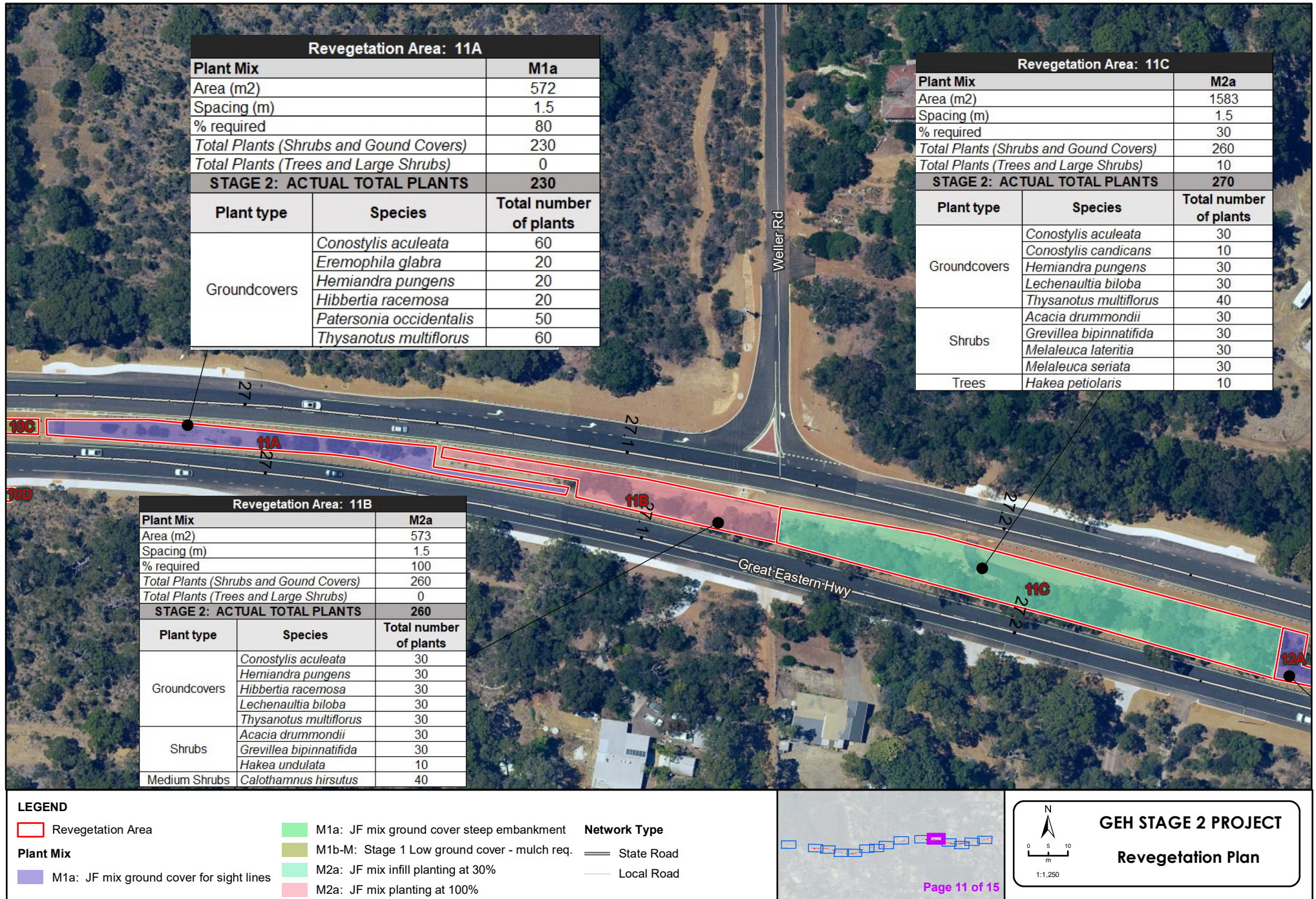
Network Type

State Road

Local Road

**GEH STAGE 2 PROJECT****Revegetation Plan**







LEGEND

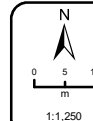
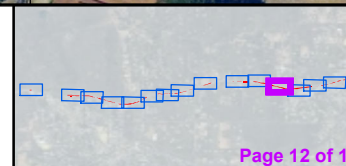
Revegetation Area

M2a: JF mix infill planting at 30% — Local Road

Plant Mix

Network Type

M1a: JF mix ground cover for sight lines — State Road



GEH STAGE 2 PROJECT

Revegetation Plan



LEGEND

Revegetation Area

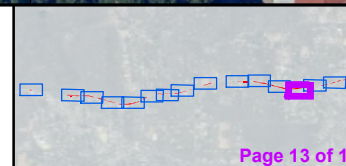
Plant Mix

M2a: JF mix infill planting at 30%

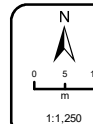
Network Type

State Road

Local Road



Page 13 of 15



GEH STAGE 2 PROJECT

Revegetation Plan

**LEGEND**

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

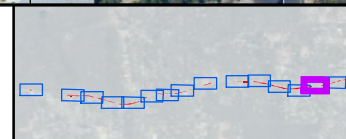
M2a: JF mix infill planting at 30%

M2b-M: Stage 1 shrub planting at 100%

Network Type

State Road

Local Road



Page 14 of 15

**GEH STAGE 2 PROJECT****Revegetation Plan**



Revegetation Area: 15A		
Plant Mix		M2b-M
Area (m2)		2623
Spacing (m)		1.5
% required		100
Total Plants (Shrubs and Gound Covers)		1195
Total Plants (Trees and Large Shrubs)		50
STAGE 2: ACTUAL TOTAL PLANTS		1245
Plant type	Species	Total number of plants
Groundcovers	<i>Eremophila glabra</i>	200
	<i>Hemiantra pungens</i>	120
	<i>Hibbertia racemosa</i>	160
	<i>Acacia saligna prostrate</i>	160
Shrubs	<i>Calothamnus rupestris</i>	110
	<i>Calothamnus sanguineus</i>	110
Medium Shrubs	<i>Grevillea thelemanina</i>	150
	<i>Calothamnus hirsutus</i>	160
Trees	<i>Callistemon phoeniceus</i>	25
	<i>Callistemon "Kings Park Special"</i>	50

LEGEND

Revegetation Area

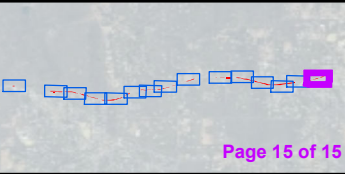
Plant Mix

M2b-M: Stage 1 shrub planting at 100%

Network Type

State Road

Local Road



N

0 5 10
m

1:1,700

GEH STAGE 2 PROJECT

Revegetation Plan



Revegetation Area: 1A		
Plant Mix	M1a-M	
Area (m2)	200	
Spacing (m)	1.25	
% required	100	
Total Plants (Shrubs and Gound Covers)	130	
Total Plants (Trees and Large Shrubs)	0	
STAGE 2: ACTUAL TOTAL PLANTS		130
Plant type	Species	Total number of plants
Groundcovers	<i>Grevillea thelemanniana</i>	20
	<i>Hemiandra pungens</i>	30
	<i>Hibbertia racemosa</i>	20
	<i>Lechenaultia biloba</i>	30
	<i>Thysanotus multiflorus</i>	30

LEGEND

Revegetation Area

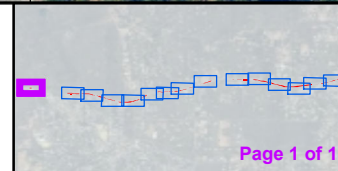
Plant Mix

M1a-M: JF mix ground cover for sight lines - Mulch req.

Network Type

State Road

Local Road



Page 1 of 15

GEH STAGE 2 PROJECT

Revegetation Plan

1:1,250

**LEGEND**

Revegetation Area

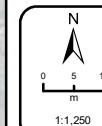
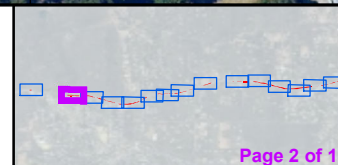
M2a: JF mix infill planting at 10%

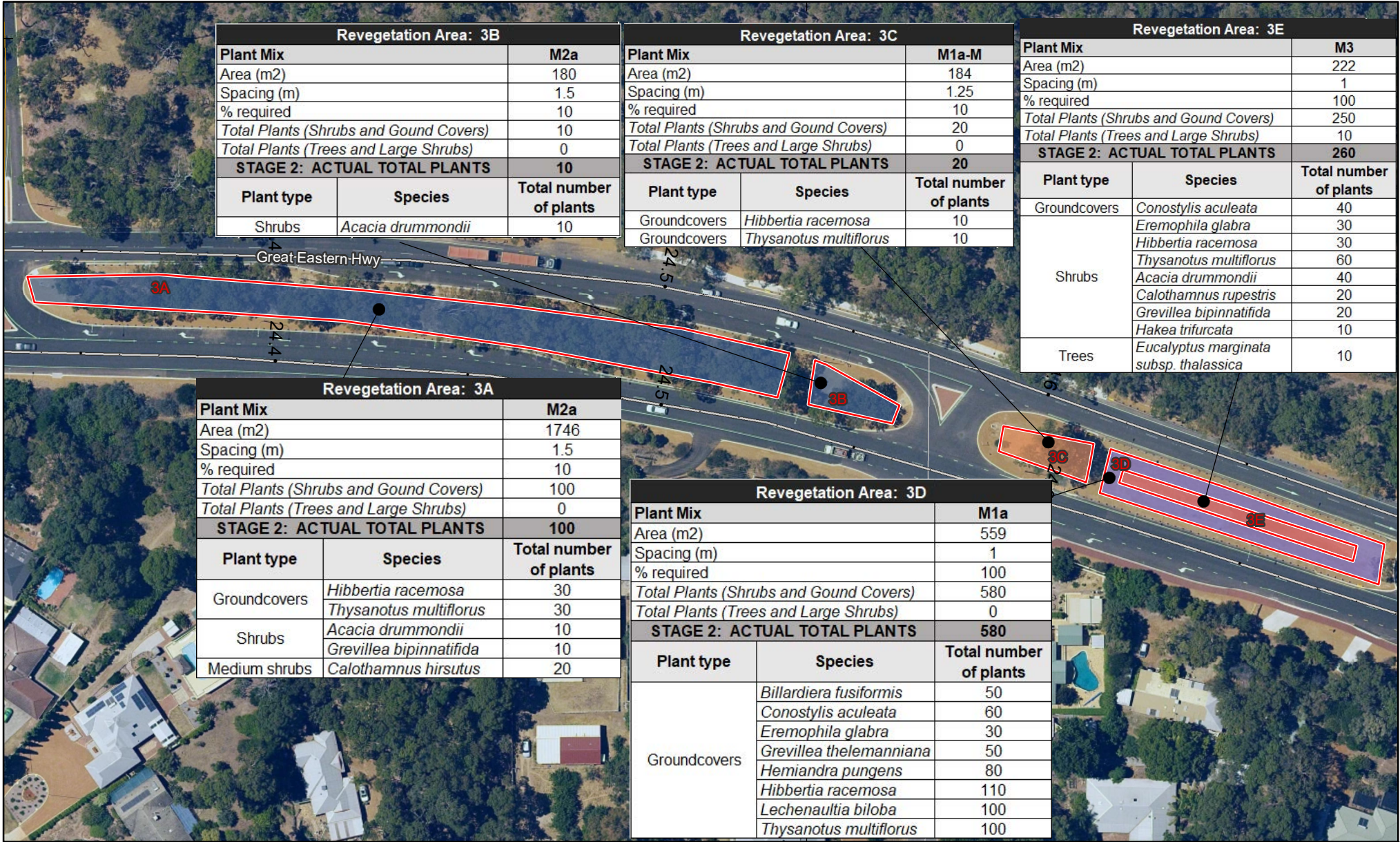
Miscellaneous Road

Plant Mix**Network Type**

M1b: Stage 1 Low ground cover

State Road

**GEH STAGE 2 PROJECT****Revegetation Plan**



Revegetation Area: 3B		
Plant Mix		M2a
Area (m2)		180
Spacing (m)		1.5
% required		10
Total Plants (Shrubs and Gound Covers)		10
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		10
Plant type	Species	Total number of plants
Shrubs	Acacia drummondii	10

Revegetation Area: 3C		
Plant Mix		M1a-M
Area (m2)		184
Spacing (m)		1.25
% required		10
Total Plants (Shrubs and Gound Covers)		20
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		20
Plant type	Species	Total number of plants
Groundcovers	Hibbertia racemosa	10
Groundcovers	Thysanotus multiflorus	10

Revegetation Area: 3E		
Plant Mix		M3
Area (m2)		222
Spacing (m)		1
% required		100
Total Plants (Shrubs and Gound Covers)		250
Total Plants (Trees and Large Shrubs)		10
STAGE 2: ACTUAL TOTAL PLANTS		260
Plant type	Species	Total number of plants
Groundcovers	Conostylis aculeata	40
	Eremophila glabra	30
	Hibbertia racemosa	30
	Thysanotus multiflorus	60
	Acacia drummondii	40
	Calothamnus rupestris	20
	Grevillea bipinnatifida	20
Trees	Hakea trifurcata	10
	Eucalyptus marginata subsp. thalassica	10

Revegetation Area: 3A		
Plant Mix		M2a
Area (m2)		1746
Spacing (m)		1.5
% required		10
Total Plants (Shrubs and Gound Covers)		100
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		100
Plant type	Species	Total number of plants
Groundcovers	Hibbertia racemosa	30
	Thysanotus multiflorus	30
Shrubs	Acacia drummondii	10
	Grevillea bipinnatifida	10
Medium shrubs	Calothamnus hirsutus	20

Revegetation Area: 3D		
Plant Mix		M1a
Area (m2)		559
Spacing (m)		1
% required		100
Total Plants (Shrubs and Gound Covers)		580
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		580
Plant type	Species	Total number of plants
Groundcovers	Billardiera fusiformis	50
	Conostylis aculeata	60
	Eremophila glabra	30
	Grevillea thelemanniana	50
	Hemiantra pungens	80
	Hibbertia racemosa	110
	Lechenaultia biloba	100
	Thysanotus multiflorus	100

LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

M1a-M: JF mix ground cover for sight lines - Mulch req.

M2a: JF mix infill planting at 10%

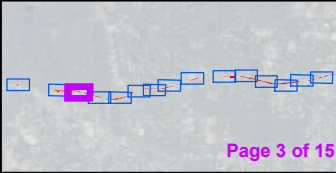
M3: JF mix tree and understory mix - 3 GTs

Network Type

State Road

Local Road

Miscellaneous Road



N

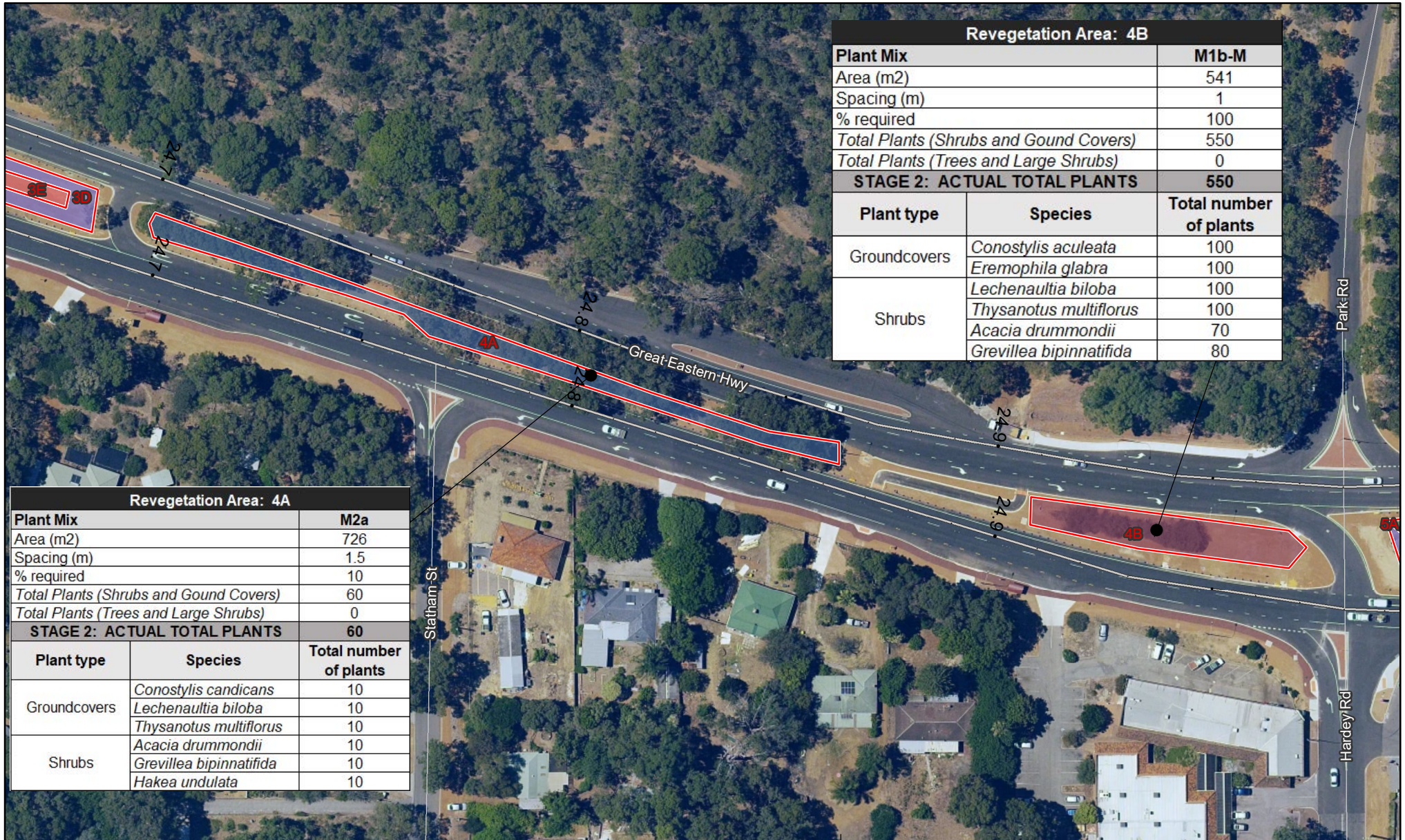
0 5 10

m

1:1,300

GEH STAGE 2 PROJECT

Revegetation Plan



LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

M1b-M: Stage 1 Low ground cover - Mulch req.

M2a: JF mix infill planting at 10%

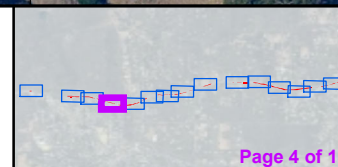
M2a: JF mix infill planting at 80%

M3: JF mix tree and understory mix - 3 GTs

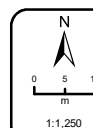
Network Type

State Road

Local Road

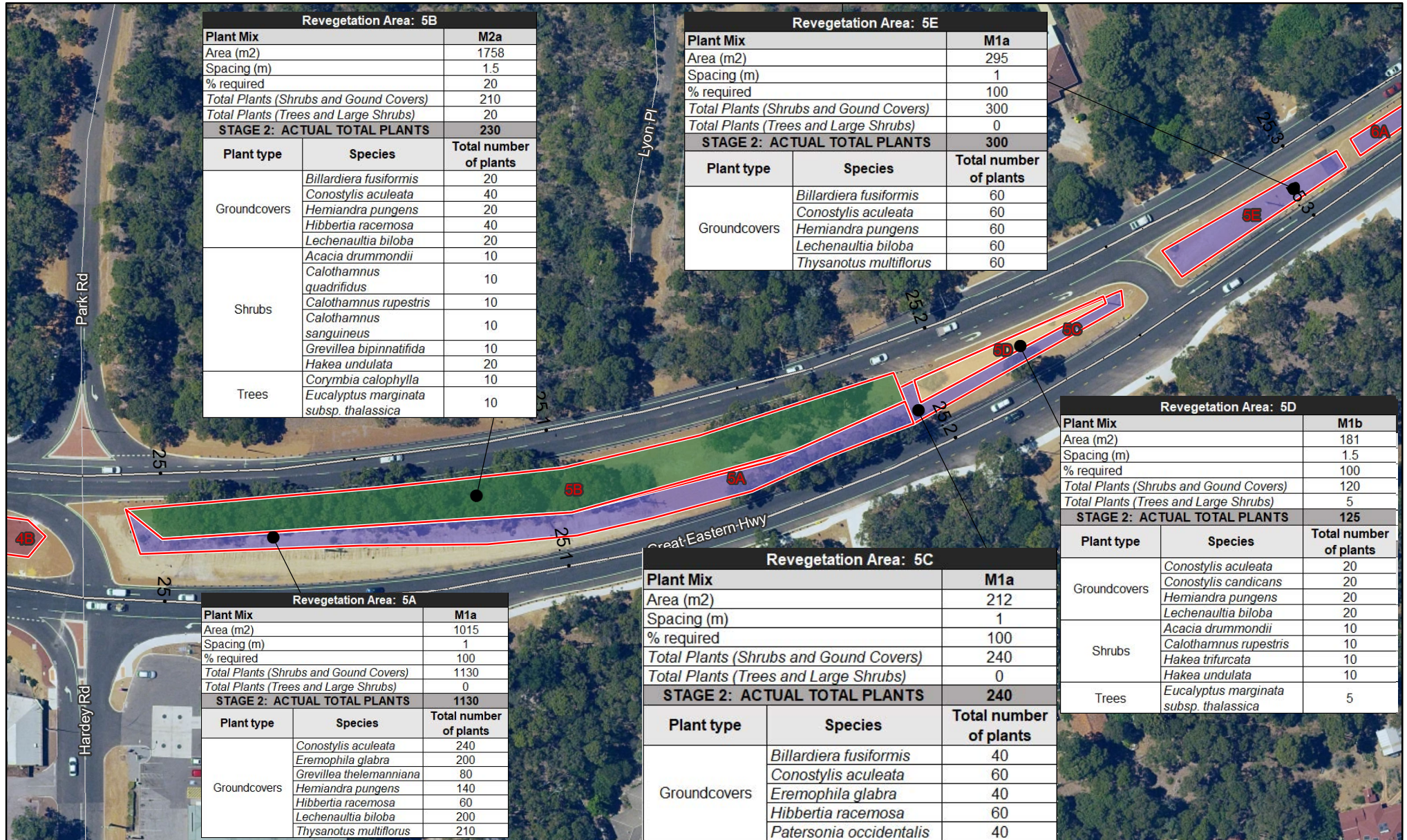


Page 4 of 15



GEH STAGE 2 PROJECT

Revegetation Plan



LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

M1b-M: Stage 1 Low ground cover - Mulch req.

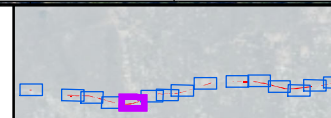
M2a: JF mix infill planting at 80%

M3: JF mix tree and understory mix

Network Type

State Road

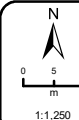
Local Road



Page 5 of 15

GEH STAGE 2 PROJECT

Revegetation Plan





LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

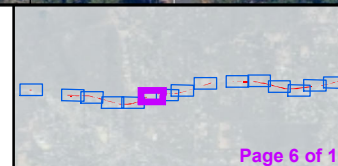
M1a-M: JF mix ground cover for sight lines - Mulch req.

M2a: JF mix infill planting at 30%

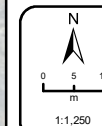
Network Type

State Road

Local Road

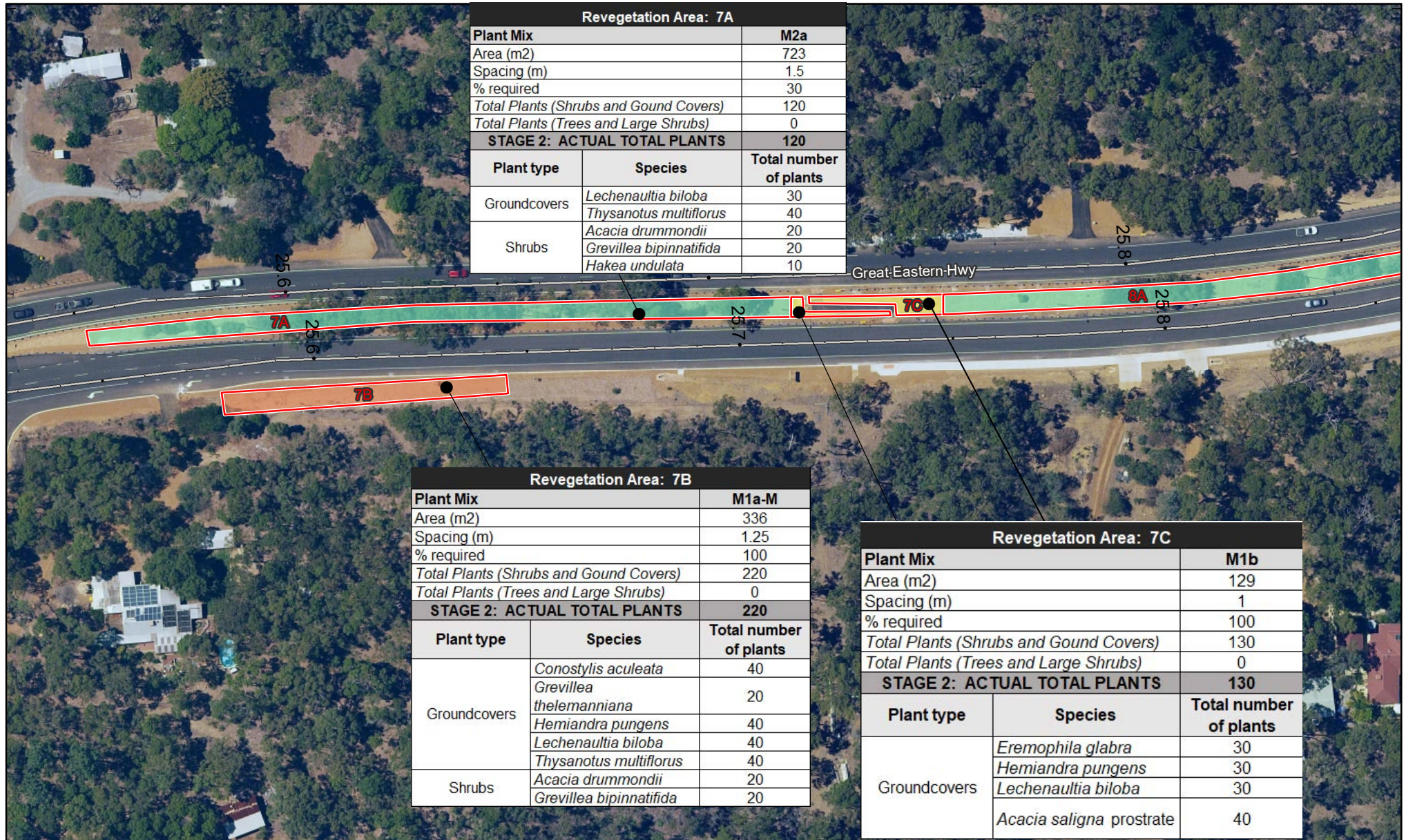


Page 6 of 15



GEH STAGE 2 PROJECT

Revegetation Plan

**LEGEND**

Revegetation Area

Plant Mix

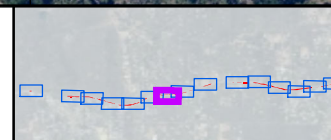
M1a-M: JF mix ground cover for sight lines - Mulch req.

M1b: Stage 1 Low ground cover

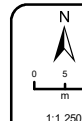
M2a: JF mix infill planting at 30%

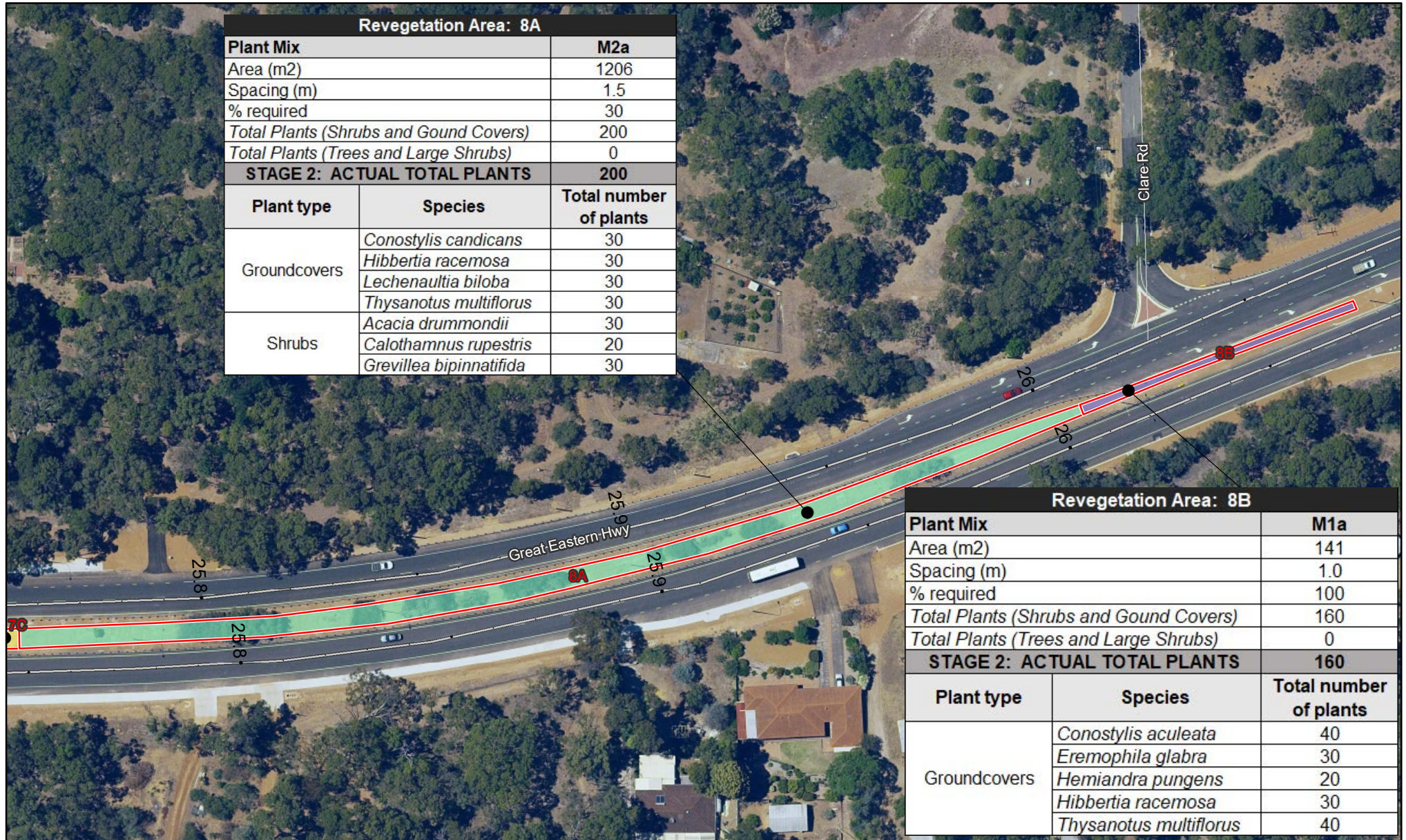
Network Type

State Road



Page 7 of 15

**GEH STAGE 2 PROJECT****Revegetation Plan**



Revegetation Area: 8A		
Plant Mix		M2a
Area (m2)		1206
Spacing (m)		1.5
% required		30
Total Plants (Shrubs and Gound Covers)		200
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		200
Plant type	Species	Total number of plants
Groundcovers	<i>Conostylis candicans</i>	30
	<i>Hibbertia racemosa</i>	30
	<i>Lechenaultia biloba</i>	30
	<i>Thysanotus multiflorus</i>	30
Shrubs	<i>Acacia drummondii</i>	30
	<i>Calothamnus rupestris</i>	20
	<i>Grevillea bipinnatifida</i>	30

Revegetation Area: 8B		
Plant Mix		M1a
Area (m2)		141
Spacing (m)		1.0
% required		100
Total Plants (Shrubs and Gound Covers)		160
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		160
Plant type	Species	Total number of plants
Groundcovers	<i>Conostylis aculeata</i>	40
	<i>Eremophila glabra</i>	30
	<i>Hemiandra pungens</i>	20
	<i>Hibbertia racemosa</i>	30
	<i>Thysanotus multiflorus</i>	40

LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

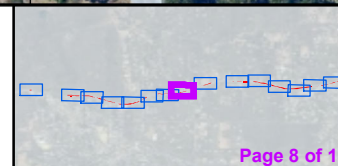
M1b: Stage 1 Low ground cover

M2a: JF mix infill planting at 30%

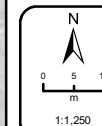
Network Type

State Road

Local Road

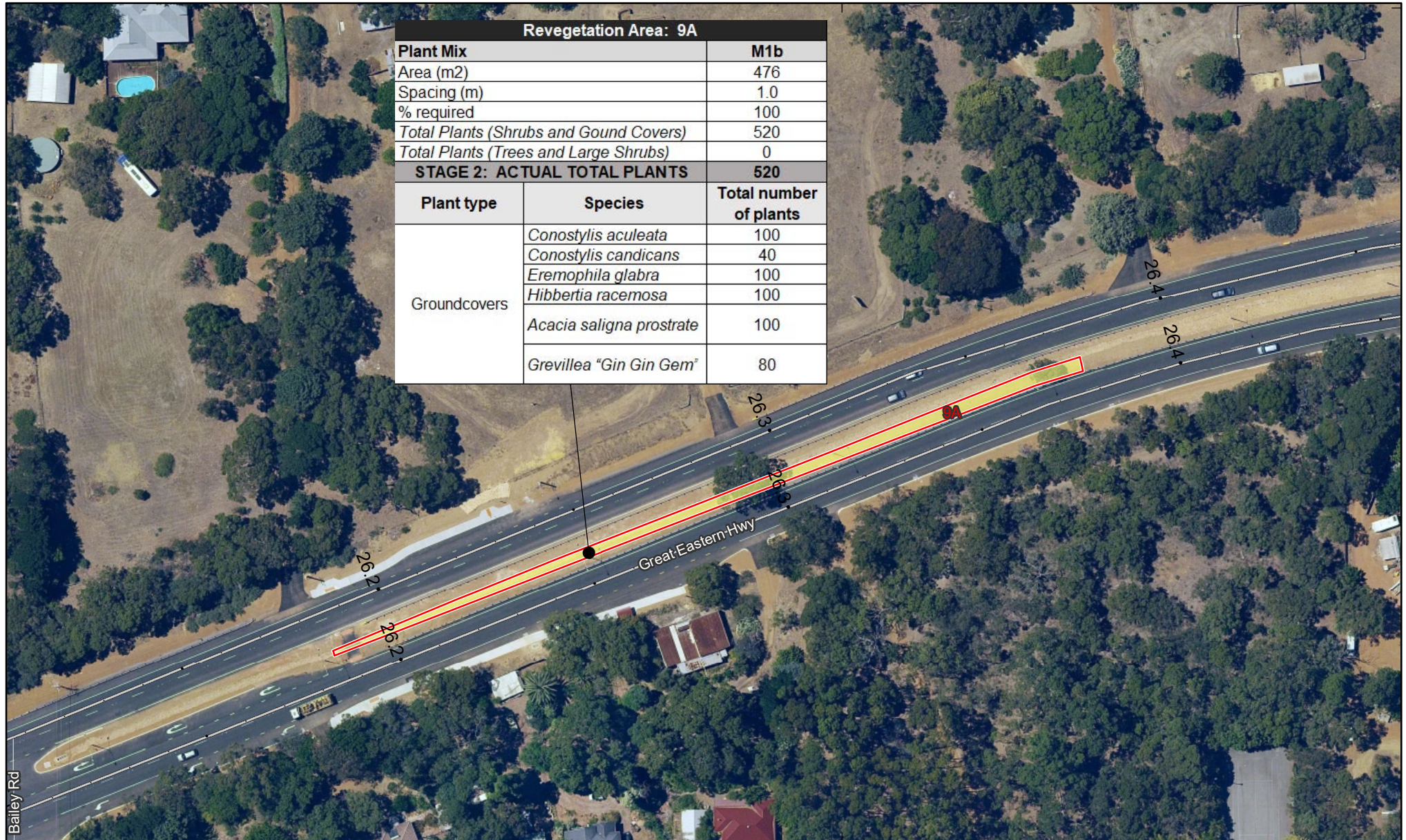


Page 8 of 15



GEH STAGE 2 PROJECT

Revegetation Plan

**LEGEND**

Revegetation Area

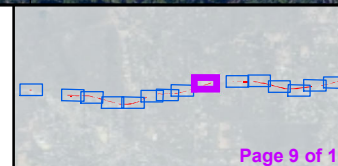
Plant Mix

M1b: Stage 1 Low ground cover

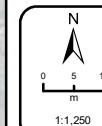
Network Type

State Road

Local Road



Page 9 of 15

**GEH STAGE 2 PROJECT****Revegetation Plan**





LEGEND

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

M1a: JF mix ground cover steep embankment

M1b-M: Stage 1 Low ground cover - mulch req.

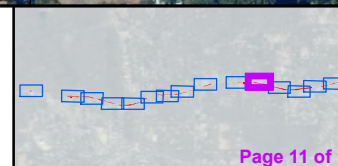
M2a: JF mix infill planting at 30%

M2a: JF mix planting at 100%

Network Type

State Road

Local Road



Page 11 of 15

GEH STAGE 2 PROJECT

Revegetation Plan

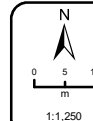
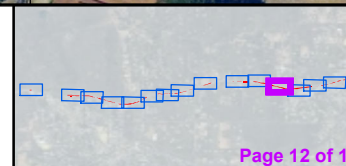
**LEGEND**

Revegetation Area

M2a: JF mix infill planting at 30% Local Road

Plant Mix**Network Type**

M1a: JF mix ground cover for sight lines State Road

**GEH STAGE 2 PROJECT****Revegetation Plan**



LEGEND

Revegetation Area

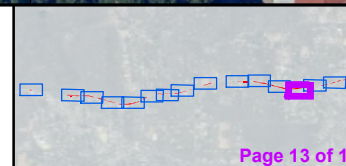
Plant Mix

M2a: JF mix infill planting at 30%

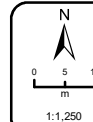
Network Type

State Road

Local Road



Page 13 of 15



GEH STAGE 2 PROJECT

Revegetation Plan

**LEGEND**

Revegetation Area

Plant Mix

M1a: JF mix ground cover for sight lines

M2a: JF mix infill planting at 30%

M2b-M: Stage 1 shrub planting at 100%

Network Type

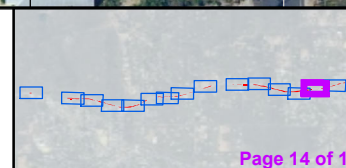
State Road

Local Road

Revegetation Area: 14A		
Plant Mix		M1a
Area (m2)		163
Spacing (m)		1
% required		100
Total Plants (Shrubs and Gound Covers)		170
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		170
Plant type	Species	Total number of plants
Groundcovers	<i>Eremophila glabra</i>	40
	<i>Grevillea thelemanniana</i>	40
	<i>Hemiandra pungens</i>	50
	<i>Thysanotus multiflorus</i>	40

Revegetation Area: 14C		
Plant Mix		M2b-M
Area (m2)		566
Spacing (m)		1.5
% required		100
Total Plants (Shrubs and Gound Covers)		290
Total Plants (Trees and Large Shrubs)		20
STAGE 2: ACTUAL TOTAL PLANTS		310
Plant type	Species	Total number of plants
Groundcovers	<i>Eremophila glabra</i>	40
	<i>Hibbertia racemosa</i>	40
	<i>Acacia drummondii</i>	40
Shrubs	<i>Calothamnus rupestris</i>	50
	<i>Calothamnus sanguineus</i>	40
	<i>Calothamnus hirsutus</i>	50
Medium Shrubs	<i>Hakea undulata</i>	10
	<i>Callistemon phoeniceus</i>	20
	<i>Callistemon "Kings Park Special"</i>	20

Revegetation Area: 14B		
Plant Mix		M1a
Area (m2)		143
Spacing (m)		1
% required		100
Total Plants (Shrubs and Gound Covers)		150
Total Plants (Trees and Large Shrubs)		0
STAGE 2: ACTUAL TOTAL PLANTS		150
Plant type	Species	Total number of plants
Groundcovers	<i>Eremophila glabra</i>	40
	<i>Grevillea thelemanniana</i>	30
	<i>Hemiandra pungens</i>	40
	<i>Thysanotus multiflorus</i>	40



GEH STAGE 2 PROJECT

Revegetation Plan

1:1,250



Revegetation Area: 15A		
Plant Mix		M2b-M
Area (m2)		2623
Spacing (m)		1.5
% required		100
Total Plants (Shrubs and Gound Covers)		1195
Total Plants (Trees and Large Shrubs)		50
STAGE 2: ACTUAL TOTAL PLANTS		1245
Plant type	Species	Total number of plants
Groundcovers	<i>Eremophila glabra</i>	200
	<i>Hemiantra pungens</i>	120
	<i>Hibbertia racemosa</i>	160
	<i>Acacia saligna prostrate</i>	160
Shrubs	<i>Calothamnus rupestris</i>	110
	<i>Calothamnus sanguineus</i>	110
Medium Shrubs	<i>Grevillea thelemanina</i>	150
	<i>Calothamnus hirsutus</i>	160
Trees	<i>Callistemon phoeniceus</i>	25
	<i>Callistemon "Kings Park Special"</i>	50

LEGEND

Revegetation Area

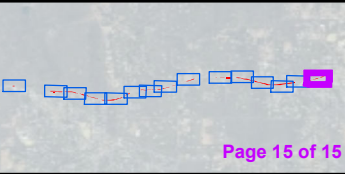
Plant Mix

M2b-M: Stage 1 shrub planting at 100%

Network Type

State Road

Local Road



N

0 5 10
m

1:1,700

GEH STAGE 2 PROJECT

Revegetation Plan