

PRELIMINARY PLAN ONLY

Legend

- Proposed Bindoon Bypass Centreline
- Noise Sensitive Receivers

Predicted Day Time Noise Level including Facade Correction

- <55 dBA
- 55-60 dBA
- >60 dBA

Data Source: Main Roads WA, Landgate

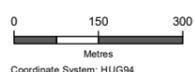


Joint Venture Partners:

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Scale at A3
1:12,563

Coordinate System: HUG94



Main Roads Western Australia

Client Project

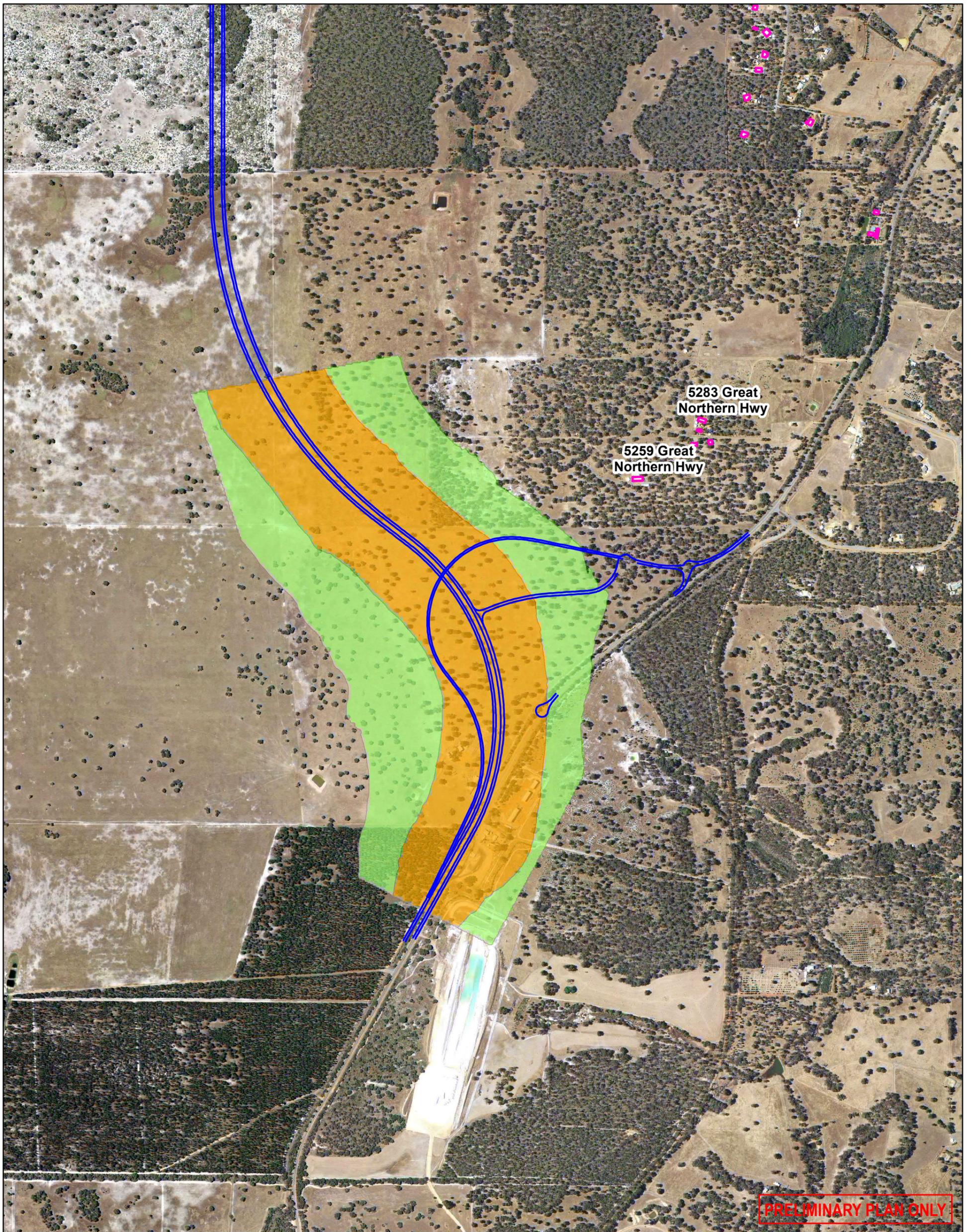
Great Northern Highway
Muchea to Wubin Upgrade Stage 2

Predicted Day Time Traffic Noise Level along Proposed Bindoon Bypass

Drawing No: GNH-CN12-EN01-DRG-9115 Issue A

Task No: Noise Assessment Drawing Status / Other: Draft / Other Info

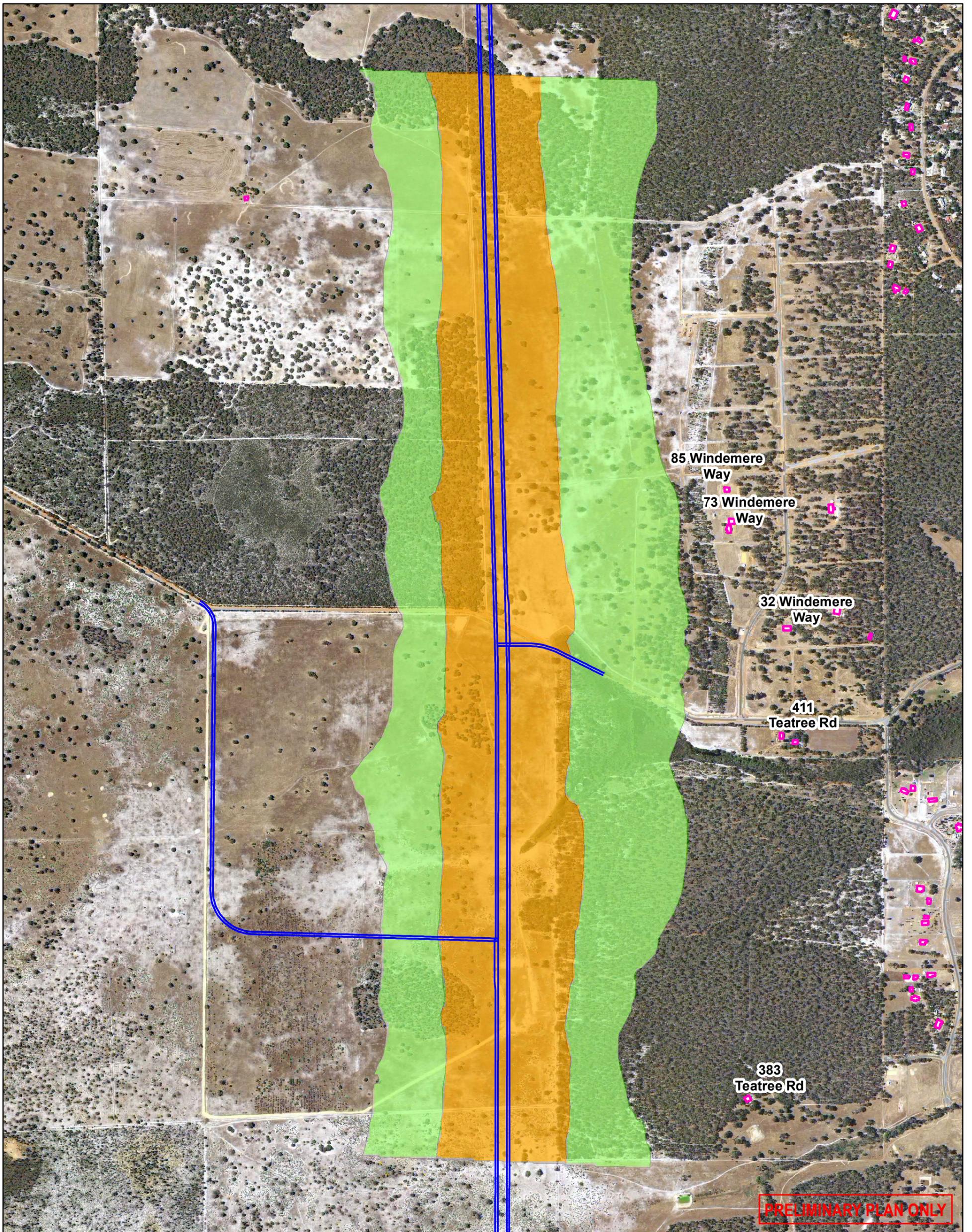
Date	By	Chkd	Appd
10/08/2018	MFR	FB	LMB



PRELIMINARY PLAN ONLY

<p>Legend</p> <p>— Proposed Bindoon Bypass Centreline</p> <p>□ Noise Sensitive Receivers</p> <p>Predicted Night Time Noise Level including Facade Correction</p> <p><50 dBA</p> <p>50-55 dBA</p> <p>>55 dBA</p> <p><small>Data Source: Main Roads WA, Landgate</small></p>	<p>North Arrow</p> <p>Scale at A3 1:12,563</p> <p>0 150 300 Metres</p> <p>Coordinate System: HUG94</p>	<p>Joint Venture Partners:</p> <p>Arup Pty Ltd Level 14 Exchange Tower 2 The Esplanade Perth WA 6000 Tel +61 8 9327 8300 Fax +61 8 9481 1334 www.arup.com</p> <p>Jacobs Group (Australia) Pty Ltd Durack Centre, 263 Adelaide Terrace, Perth WA 6000 Tel +61 8 9469 4400 Fax +61 8 9469 4488 www.jacobs.com</p> <p>© Main Roads Western Australia</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>Main Roads Western Australia</p> <p>Client: Great Northern Highway Muchea to Wubin Upgrade Stage 2</p>	<p>Predicted Night Time Traffic Noise Level along Proposed Bindoon Bypass</p> <p>Drawing No: GNH-CN12-EN01-DRG-9116 Issue: A</p> <p>Task No: Noise Assessment Drawing Status / Other: Draft / Other Info</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>Date: 10/08/2018</td> <td>By: MFR</td> <td>Chkd: FB</td> <td>Appd: LMB</td> </tr> </table>	Date: 10/08/2018	By: MFR	Chkd: FB	Appd: LMB
Date: 10/08/2018	By: MFR	Chkd: FB	Appd: LMB				

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Legend

- Proposed Bindoon Bypass Centreline
- Noise Sensitive Receivers

Predicted Night Time Noise Level including Facade Correction

- <50 dBA
- 50-55 dBA
- >55 dBA

Data Source: Main Roads WA, Landgate

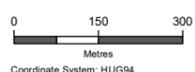


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Scale at A3
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Coordinate System: HUG94



Main Roads Western Australia

Client Project

Great Northern Highway
Muchea to Wubin Upgrade Stage 2

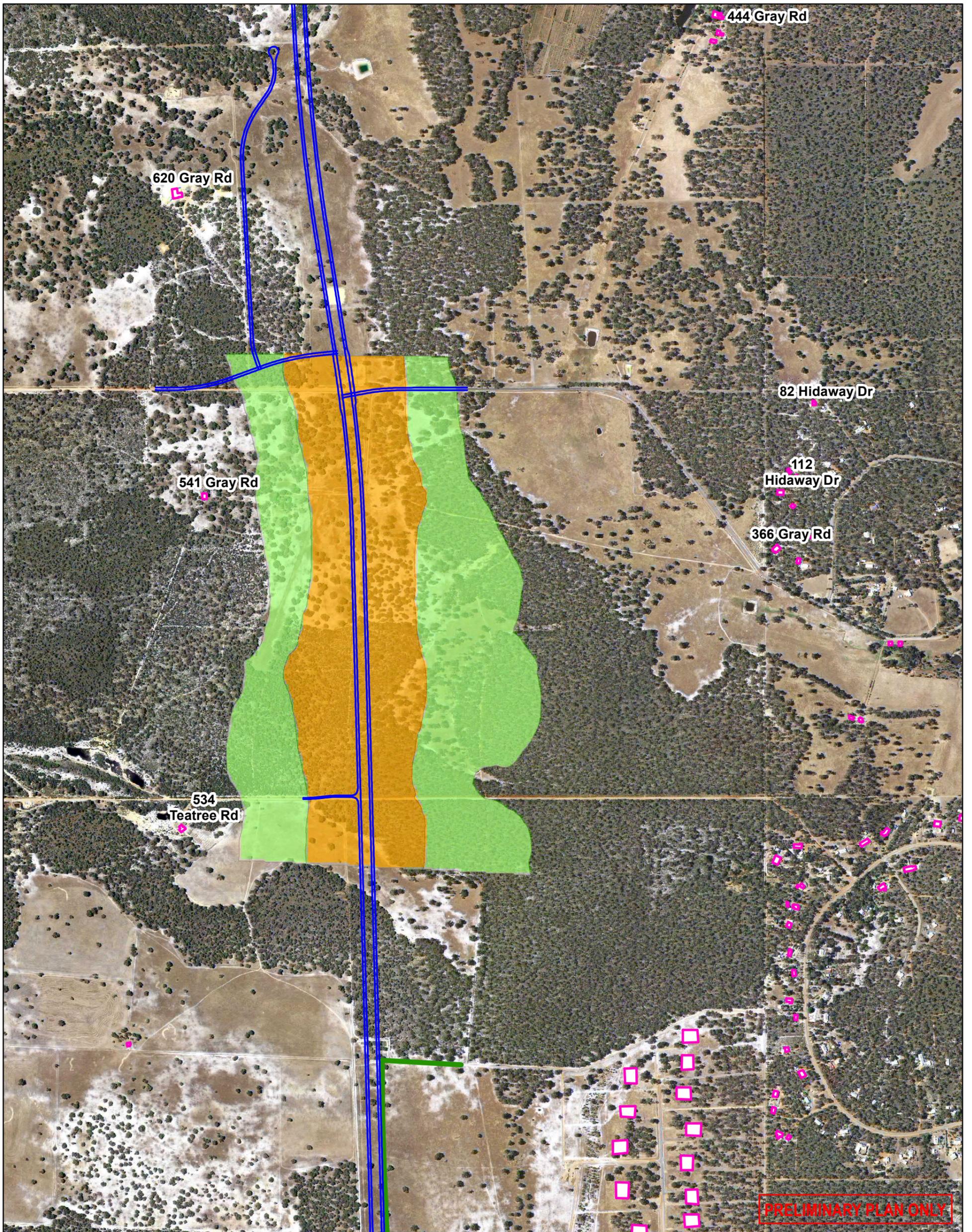
Predicted Night Time Traffic Noise Level along Proposed Bindoon Bypass

Drawing No: GNH-CN12-EN01-DRG-9117 Issue A

Task No: Noise Assessment Drawing Status / Other: Draft / Other Info

Date	By	Chkd	Appd
20/08/2018	MFR	FB	LMB

PRELIMINARY PLAN ONLY



Legend

- Proposed Bindoon Bypass Centreline
- Noise Sensitive Receivers
- Noise protection wall

Predicted Night Time Noise Level including Facade Correction

- <50 dBA
- 50-55 dBA
- >55 dBA

Data Source: Main Roads WA, Landgate

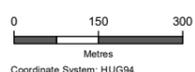


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Scale at A3
1:12,563

Coordinate System: HUG94



Main Roads Western Australia

Great Northern Highway
Muchoa to Wubin Upgrade Stage 2

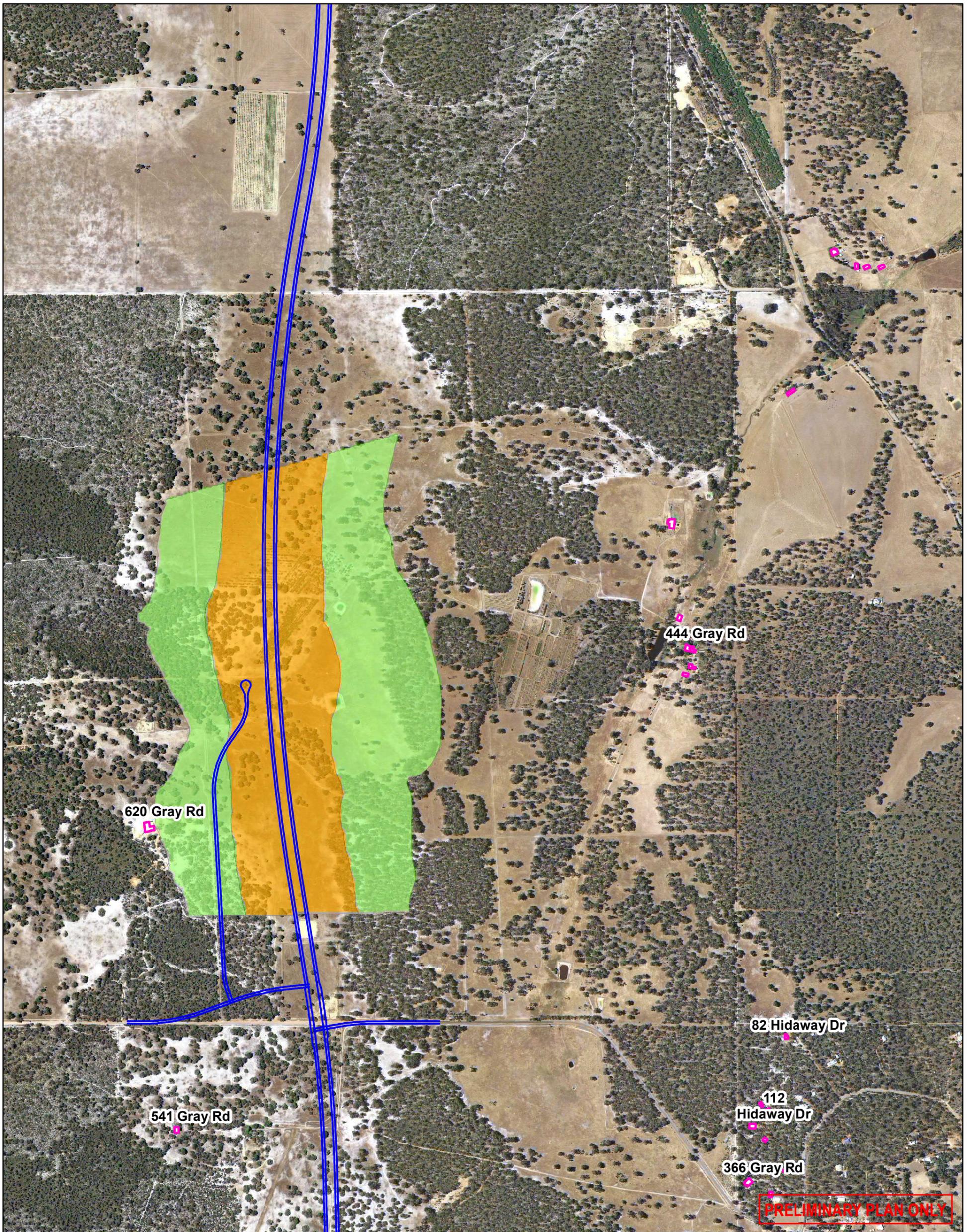
Predicted Night Time Traffic Noise Level along Proposed Bindoon Bypass

Drawing No: GNH-CN12-EN01-DRG-9118 Issue A

Task No: Noise Assessment Drawing Status / Other: Draft / Other Info

Date	By	Chkd	Appd
10/08/2018	MFR	FB	LMB

PRELIMINARY PLAN ONLY



- Legend**
- Proposed Bindoon Bypass Centreline
 - Noise Sensitive Receivers
 - Noise protection wall

Predicted Night Time Noise Level including Facade Correction

- <50 dBA
- 50-55 dBA
- >55 dBA

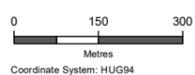
Data Source: Main Roads WA, Landgate



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Scale at A3
 Project
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Coordinate System: HUG94



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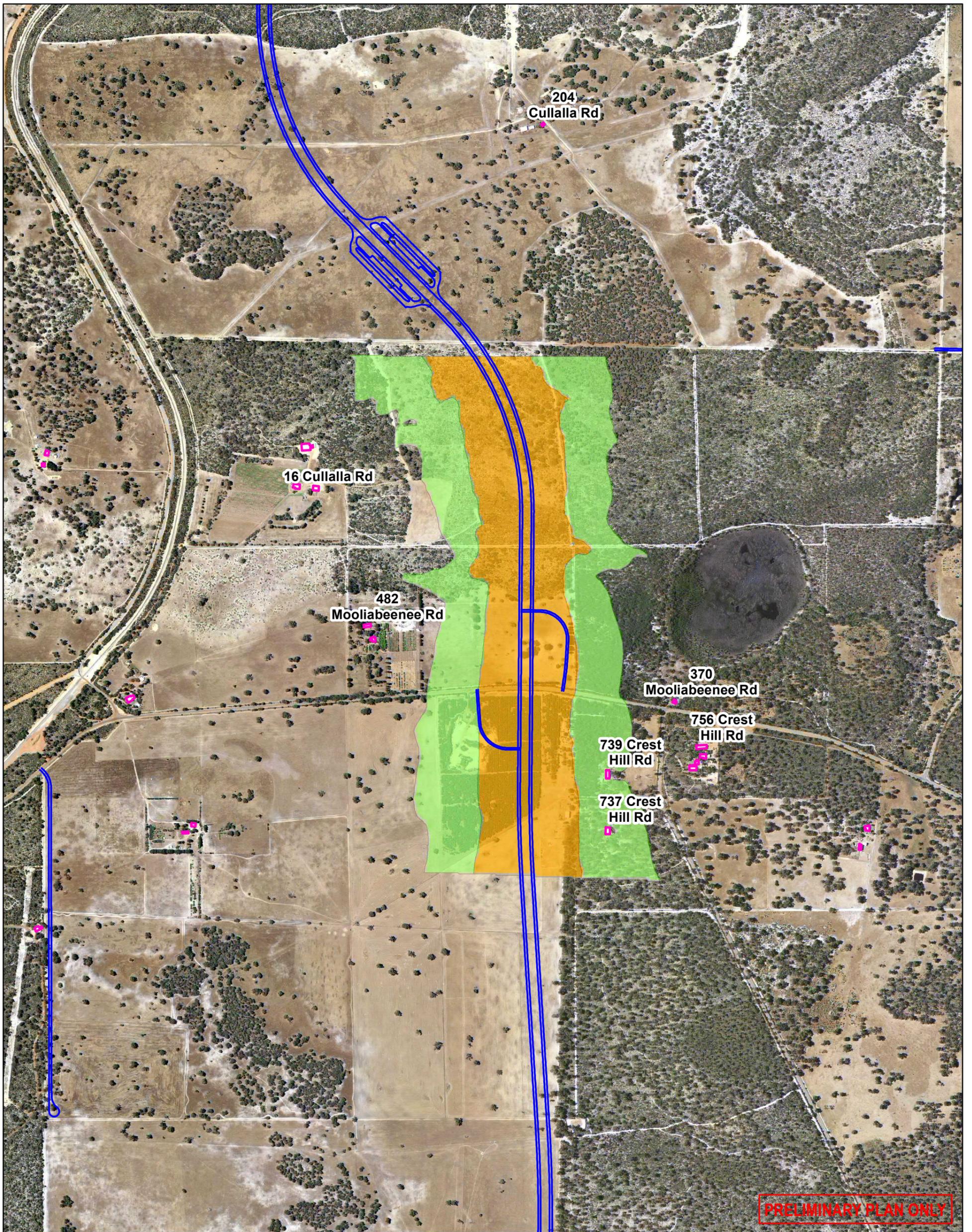
Client
 Project
 Great Northern Highway
 Muchea to Wubin Upgrade Stage 2

Predicted Night Time Traffic Noise Level along Proposed Bindoon Bypass

Drawing No: GNH-CN12-EN01-DRG-9119 Issue: A

Task No: Noise Assessment Drawing Status / Other: Draft / Other Info

Date	By	Chkd	Appd
10/08/2018	MFR	FB	LMB



Legend

- Proposed Bindoon Bypass Centreline
- Noise Sensitive Receivers
- Noise protection wall

Predicted Night Time Noise Level including Facade Correction

- <50 dBA
- 50-55 dBA
- >55 dBA

Data Source: Main Roads WA, Landgate

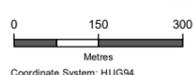


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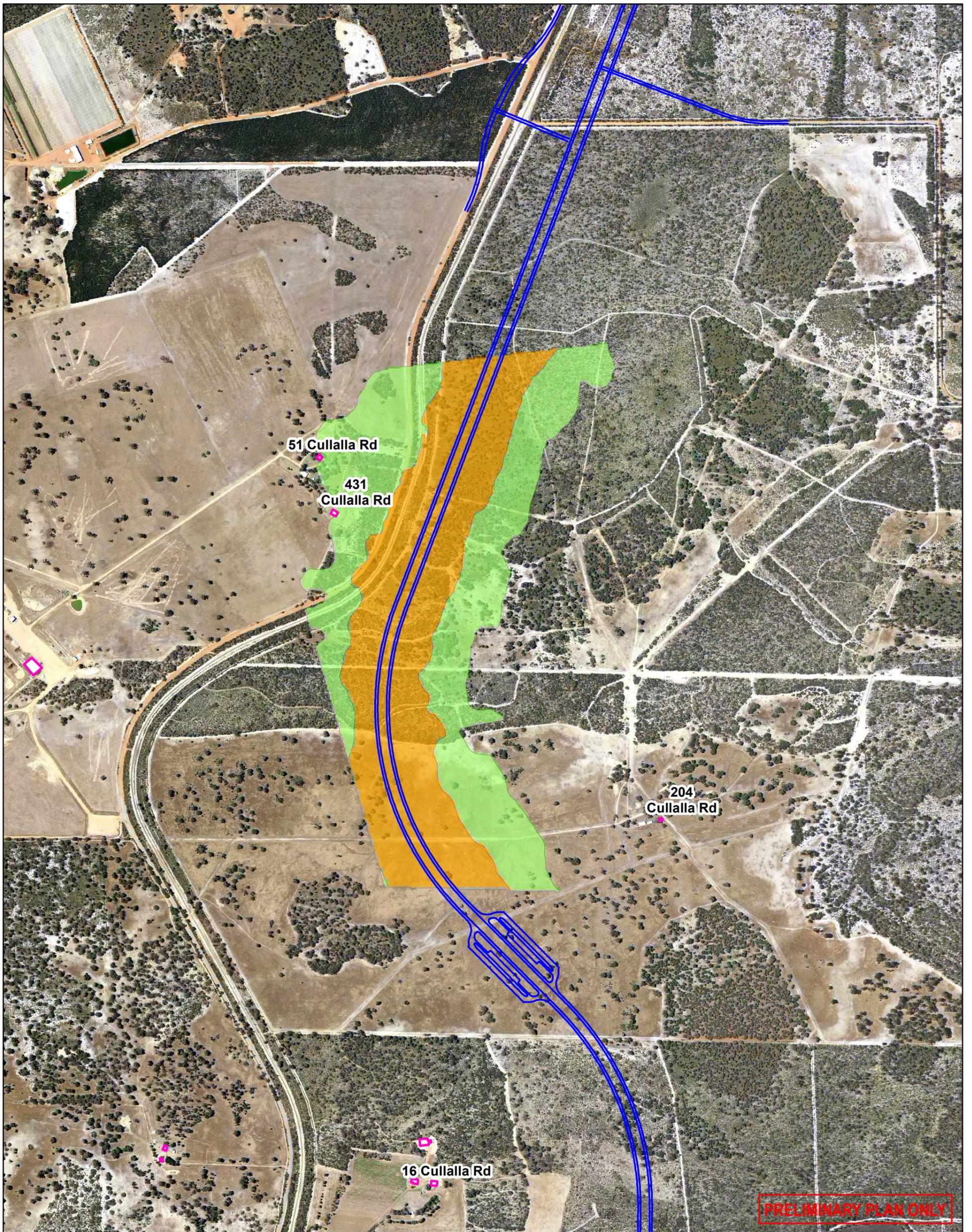
Client
Project
Great Northern Highway
Muecha to Wubin Upgrade Stage 2

Predicted Night Time Traffic Noise Level along Proposed Bindoon Bypass

Drawing No: GNH-CN12-EN01-DRG-9120 Issue A

Task No: Noise Assessment Drawing Status / Other: Draft / Other Info

Date	By	Chkd	Appd
10/08/2018	MFR	FB	LMB



<p>Legend</p> <ul style="list-style-type: none"> — Proposed Bindoon Bypass Centreline Noise Sensitive Receivers Noise protection wall <p>Predicted Night Time Noise Level including Facade Correction</p> <ul style="list-style-type: none"> <50 dBA 50-55 dBA >55 dBA <p><small>Data Source: Main Roads WA, Landgate</small></p>	<p style="text-align: center;"> 0 150 300 Metres Scale at A3 1:12,563 <small>Coordinate System: HUG94</small> </p>	<p>Joint Venture Partners:</p> <p> Arup Pty Ltd Level 14 Exchange Tower 2 The Esplanade Perth WA 6000 Tel +61 8 9327 8300 Fax +61 8 9481 1334 www.arup.com </p> <p> Jacobs Group (Australia) Pty Ltd Durack Centre, 263 Adelaide Terrace, Perth WA 6000 Tel +61 8 9469 4400 Fax +61 8 9469 4488 www.jacobs.com </p> <p style="text-align: center;">© Main Roads Western Australia</p>	<p style="text-align: center;"> <small>TRADING AS ASJV</small> </p> <p style="text-align: center;"> Main Roads Western Australia <small>Client</small> Great Northern Highway Muchea to Wubin Upgrade Stage 2 <small>Project</small> </p>	<p>Predicted Night Time Traffic Noise Level along Proposed Bindoon Bypass</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Drawing No GNH-CN12-EN01-DRG-9121</td> <td colspan="2">Issue A</td> </tr> <tr> <td>Task No Noise Assessment</td> <td colspan="3">Drawing Status / Other Draft / Other Info</td> </tr> <tr> <td>Date 10/08/2018</td> <td>By MFR</td> <td>Chkd FB</td> <td>Appd LMB</td> </tr> </table>	Drawing No GNH-CN12-EN01-DRG-9121		Issue A		Task No Noise Assessment	Drawing Status / Other Draft / Other Info			Date 10/08/2018	By MFR	Chkd FB	Appd LMB
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Task No Noise Assessment	Drawing Status / Other Draft / Other Info															
Date 10/08/2018	By MFR	Chkd FB	Appd LMB													

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