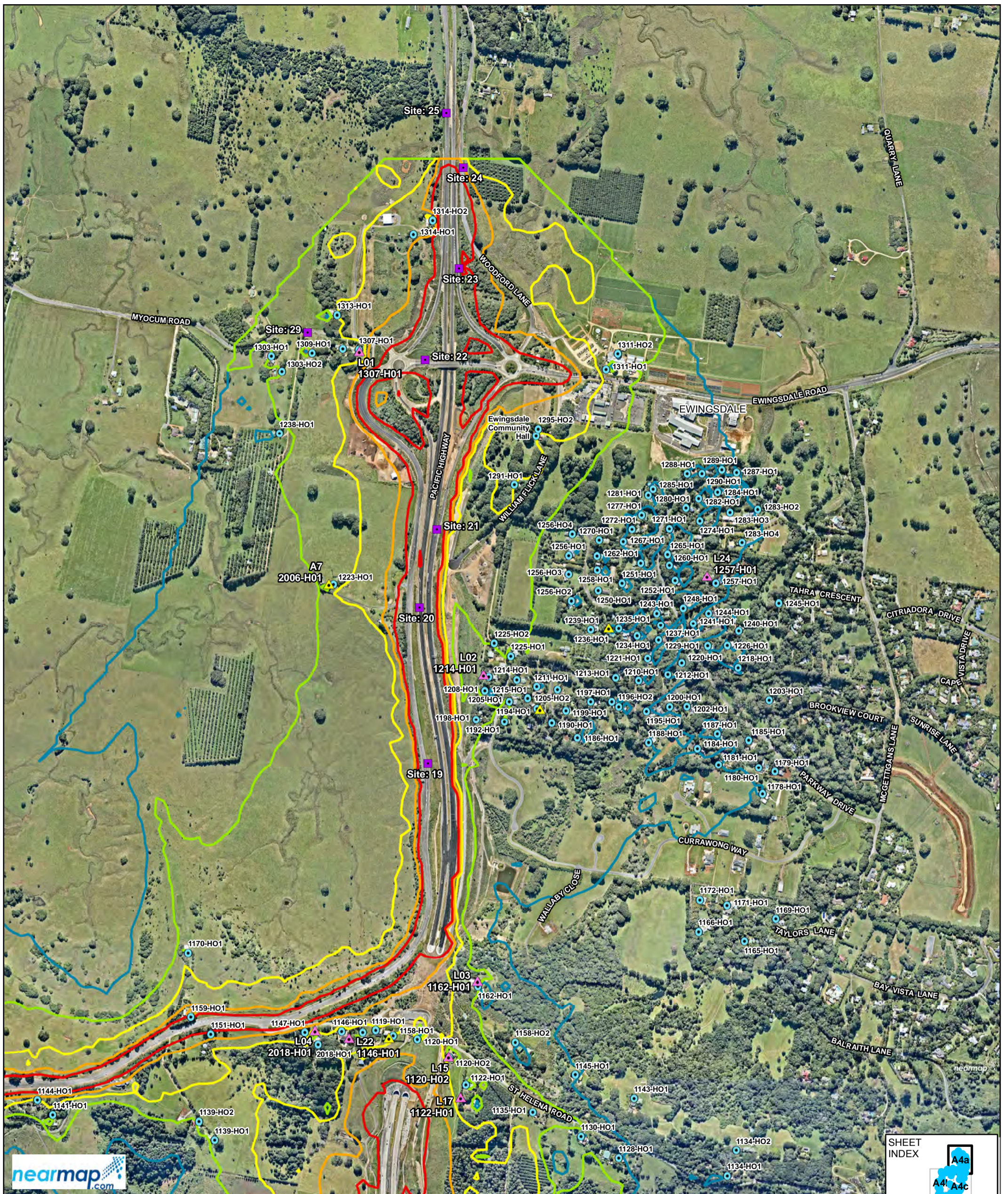
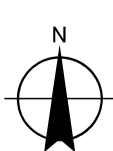
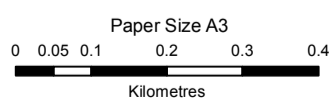


Appendix F – 2026 Design year noise contours



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LEGEND	
Description of Monitoring	
	Attended monitoring
	Unattended monitoring
	Traffic monitoring
	Weather Station
	Receiver
Sound pressure level, LAeq (15 hour)	
	45 dBA
	50 dBA
	55 dBA
	60 dBA
	65 dBA

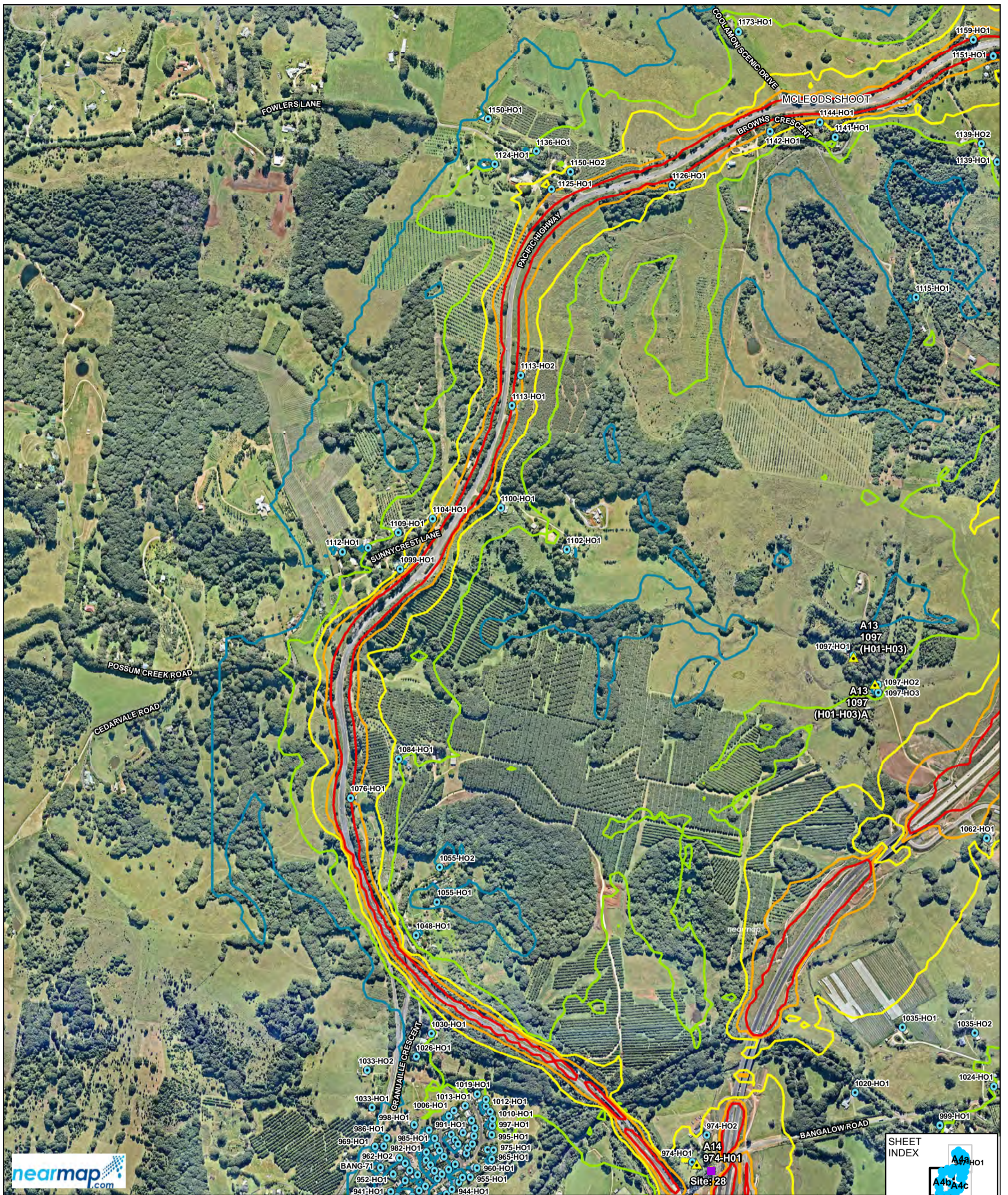


Roads and Maritime Services
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Figure A4a

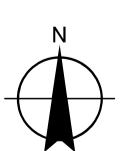
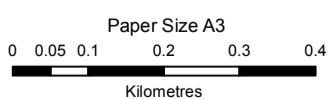


LEGEND

Description of Monitoring	Sound pressure level, LAeq (15 hour)
Attended monitoring	45 dBA
Unattended monitoring	50 dBA
Traffic monitoring	55 dBA
Weather Station	60 dBA
Receiver	65 dBA

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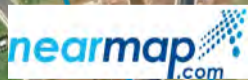


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Figure A4b

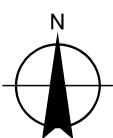
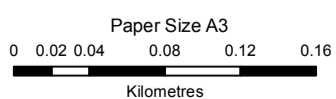


LEGEND

Description of Monitoring	Sound pressure level, LAeq (15 hour)
▲ Attended monitoring	45 dBA
▲ Unattended monitoring	50 dBA
▲ Traffic monitoring	55 dBA
☀ Weather Station	60 dBA
● Receiver	65 dBA

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Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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T2E Post Construction Noise Monitoring

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Date | 09 Feb 2017

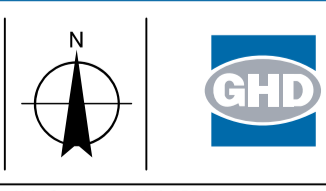
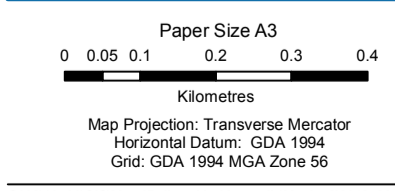
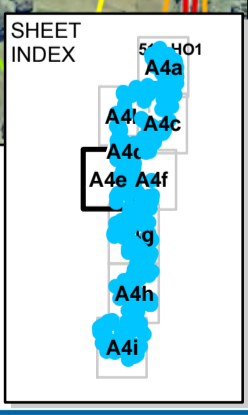
Predicted noise levels - day 2026

Figure A4d



LEGEND

Description of Monitoring	Sound pressure level, LAeq (15 hour)
▲ Attended monitoring	45 dBA
▲ Unattended monitoring	50 dBA
▲ Traffic monitoring	55 dBA
☀ Weather Station	60 dBA
● Receiver	65 dBA

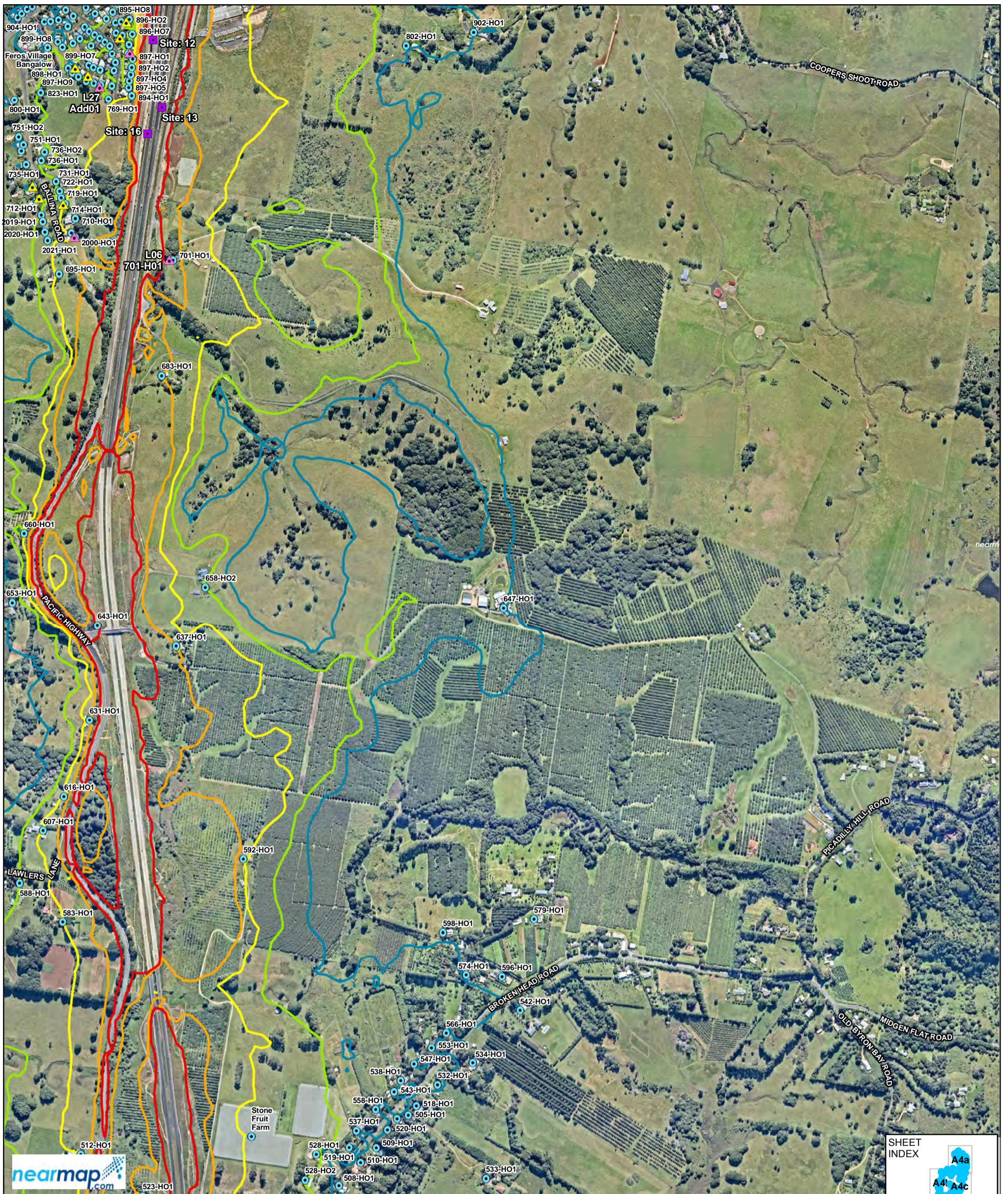


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Predicted noise levels - day 2026 **Figure A4e**

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A005_NoiseContour_Day_2026_DDP_0.mxd Level 3, GHD Tower, 24 Honeysuckle Drive, Newcastle NSW 2300 T 61 2 4979 9999 F 61 2 4979 9988 E ntmail@ghd.com W www.ghd.com.au
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Data source: Nearmap, Photomap, 2016. Created by: gmcdiarid, tmorton

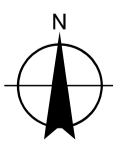
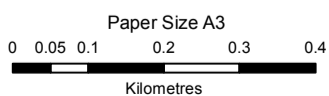


LEGEND

Description of Monitoring	Sound pressure level, LAeq (15 hour)
▲ Attended monitoring	45 dBA
▲ Unattended monitoring	50 dBA
▲ Traffic monitoring	55 dBA
☀ Weather Station	60 dBA
● Receiver	65 dBA

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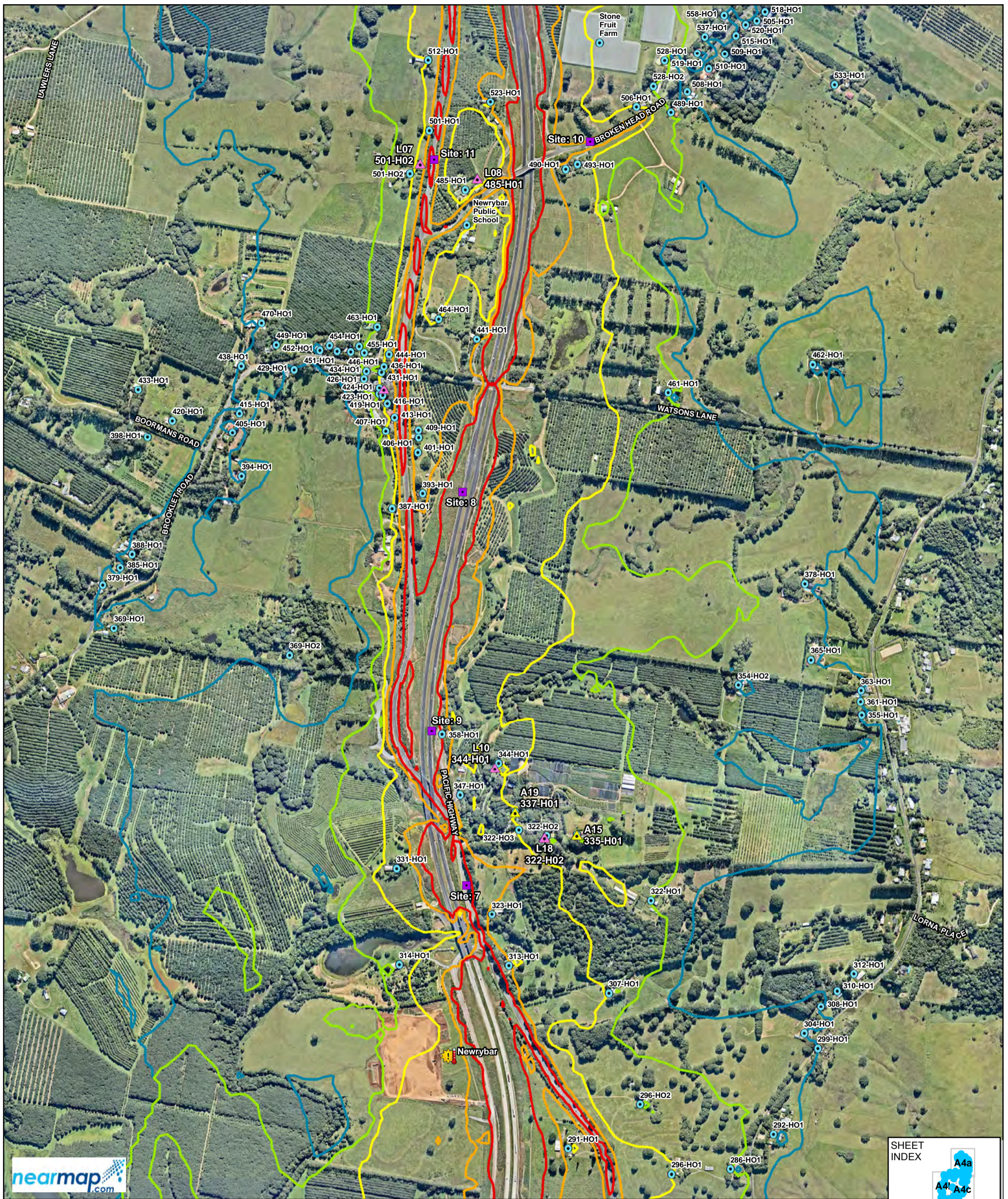
Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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Predicted noise levels - day 2026

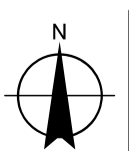
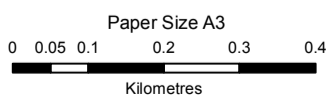
Figure A4f



LEGEND

Description of Monitoring	Sound pressure level, L_{Aeq} (15 hour)
Attended monitoring	45 dBA
Unattended monitoring	50 dBA
Traffic monitoring	55 dBA
Weather Station	60 dBA
Receiver	65 dBA

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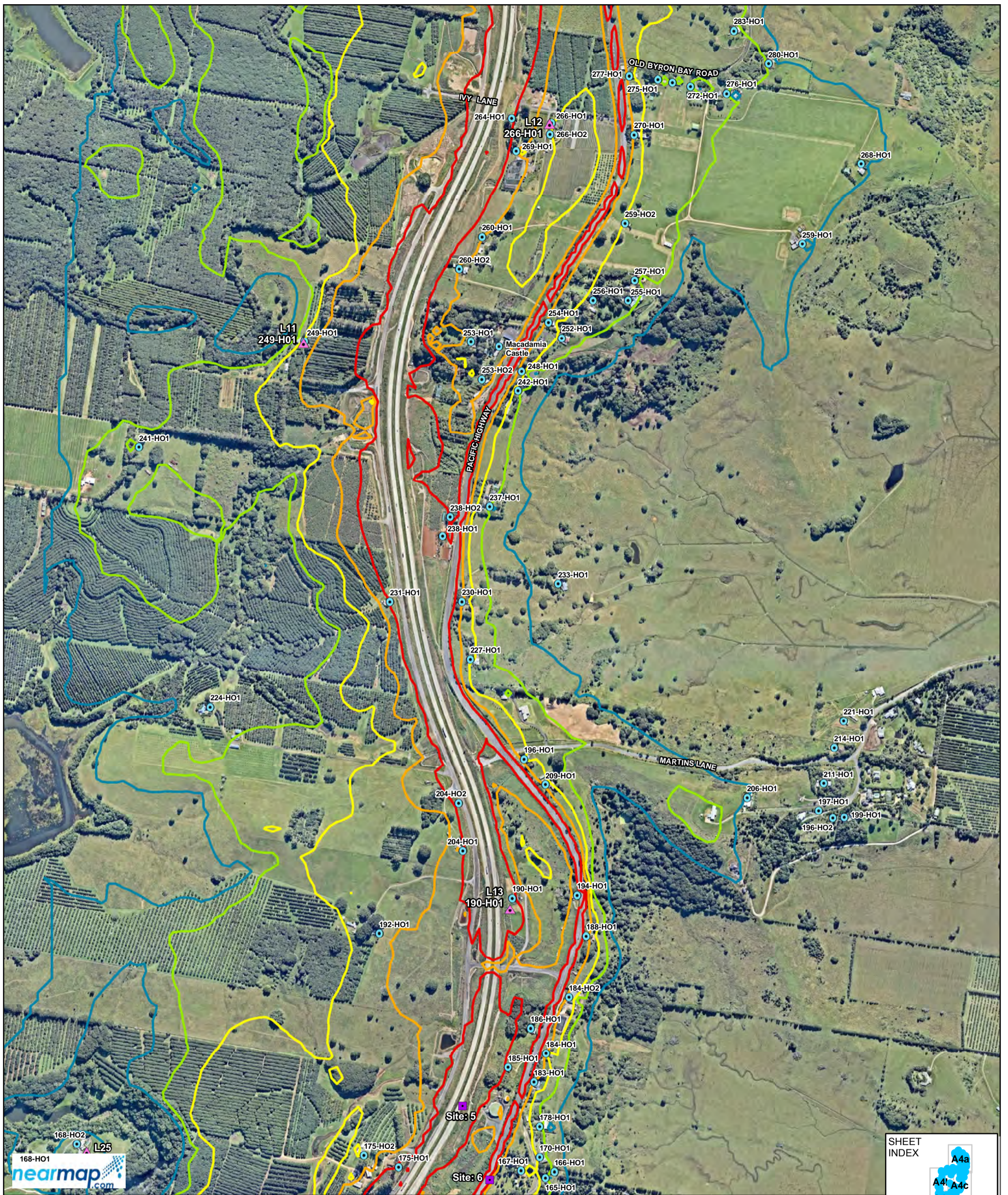


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Predicted noise levels - day 2026 Figure A4g

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A005_NoiseContour_Day_2026_DDP_0.mxd
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Data source: Nearmap, Photomap, 2016. Created by: gmcidarmid, tmorton



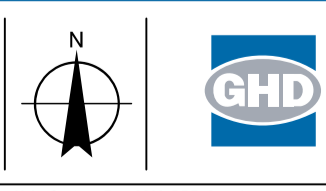
LEGEND

Description of Monitoring	Sound pressure level, LAeq (15 hour)
▲ Attended monitoring	45 dBA
▲ Unattended monitoring	50 dBA
■ Traffic monitoring	55 dBA
☀ Weather Station	60 dBA
● Receiver	65 dBA

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 Grid: GDA 1994 MGA Zone 56

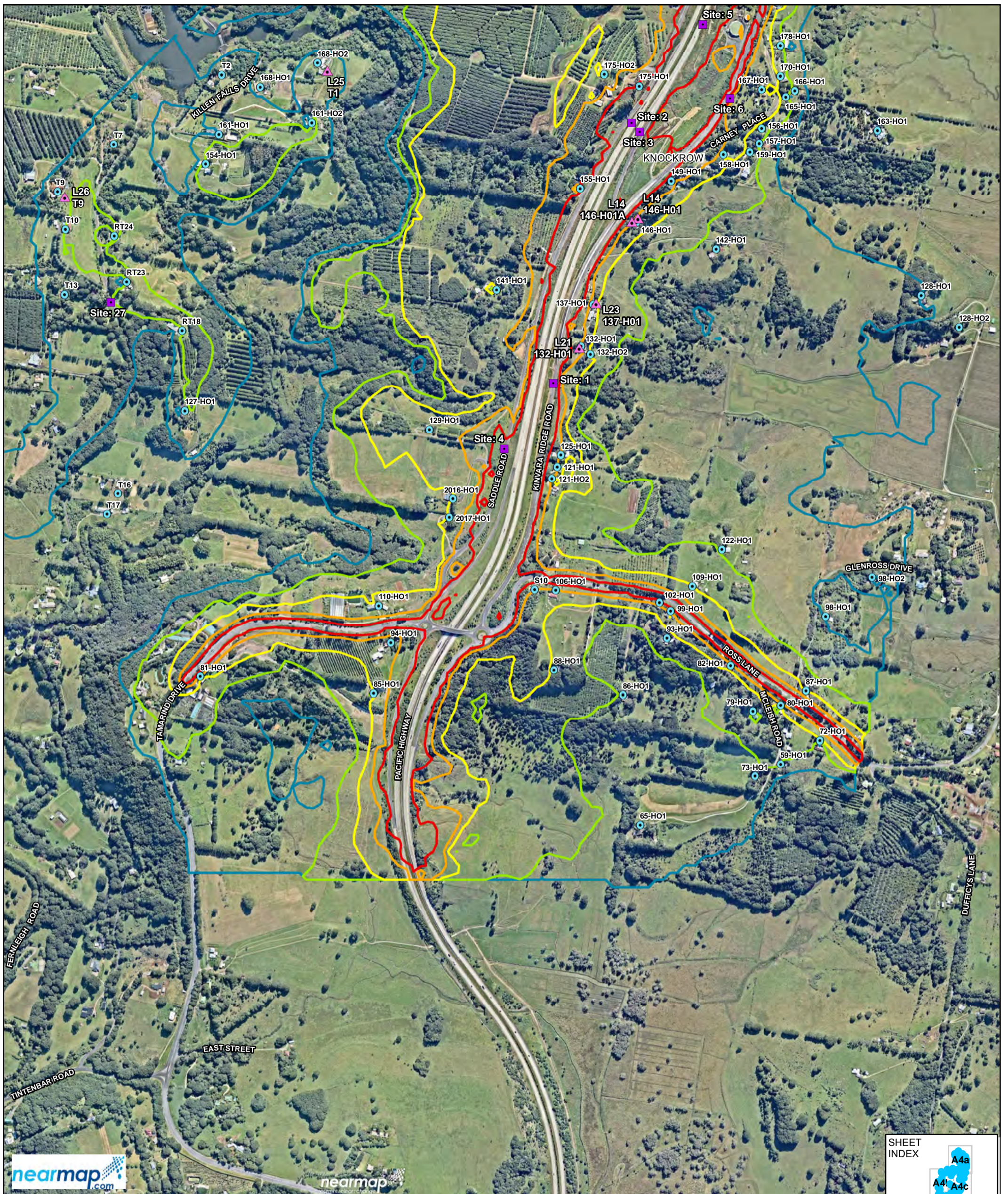


Roads and Maritime Services
 T2E Post Construction Noise Monitoring

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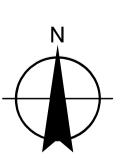
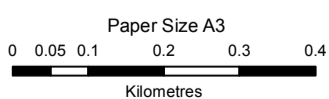
Predicted noise levels - day 2026 **Figure A4h**

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A005_NoiseContour_Day_2026_DDP_0.mxd Level 3, GHD Tower, 24 Honeysuckle Drive, Newcastle NSW 2300 T 61 2 4979 9999 F 61 2 4979 9988 E ntmail@ghd.com W www.ghd.com.au
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 Data source: Nearmap, Photomap, 2016. Created by: gncdiarmid, tmorton



LEGEND	
Description of Monitoring	
	Attended monitoring
	Unattended monitoring
	Traffic monitoring
	Weather Station
	Receiver
Sound pressure level, LAeq (15 hour)	
	45 dBA
	50 dBA
	55 dBA
	60 dBA
	65 dBA

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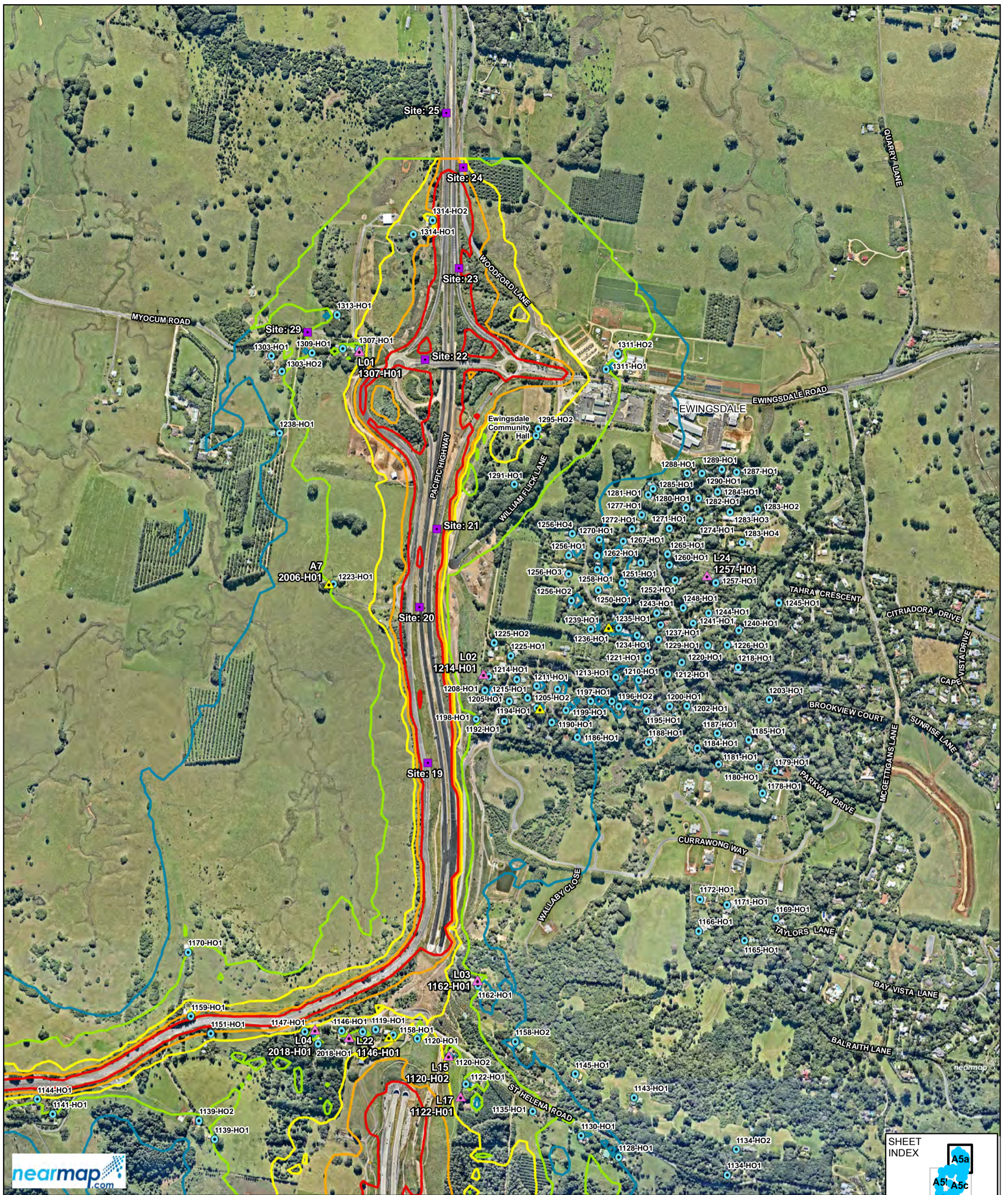
Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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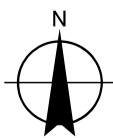
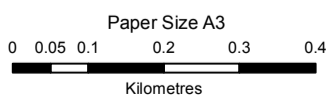
Predicted noise levels - day 2026

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LEGEND	
<ul style="list-style-type: none"> ▲ Attended monitoring ■ Unattended monitoring ■ Traffic monitoring ☀ Weather Station ● Receiver 	Sound pressure level, LAeq (9 hour) <ul style="list-style-type: none"> 45 dBA 50 dBA 55 dBA 60 dBA 65 dBA



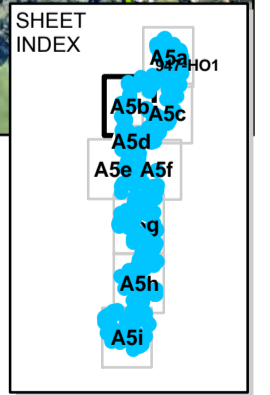
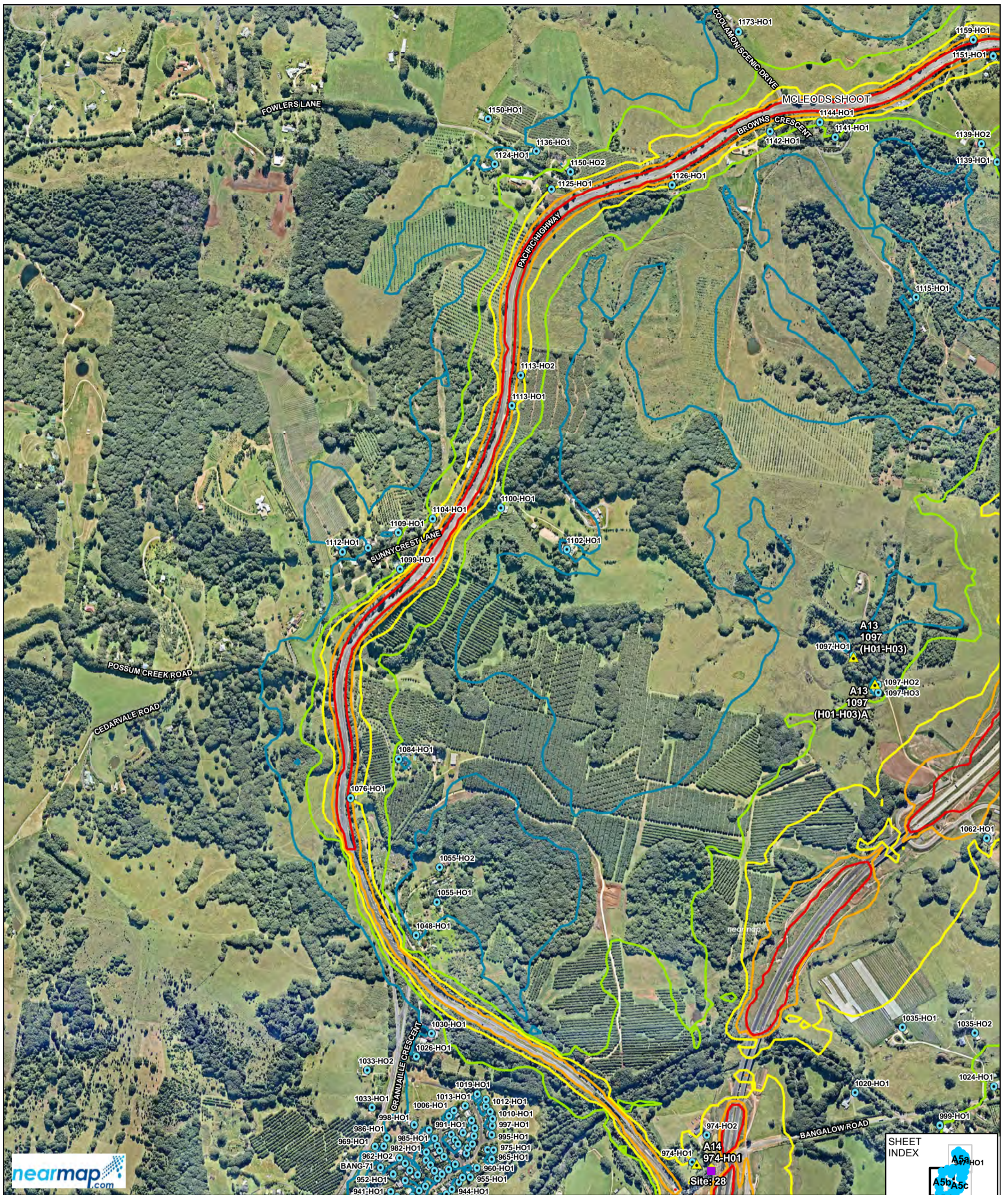
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Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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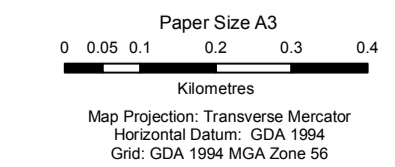
Predicted noise levels - night 2026

Figure A5a



LEGEND

Attended monitoring	45 dBA
Unattended monitoring	50 dBA
Traffic monitoring	55 dBA
Weather Station	60 dBA
Receiver	65 dBA

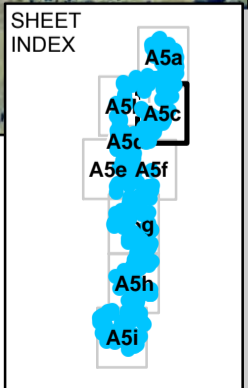
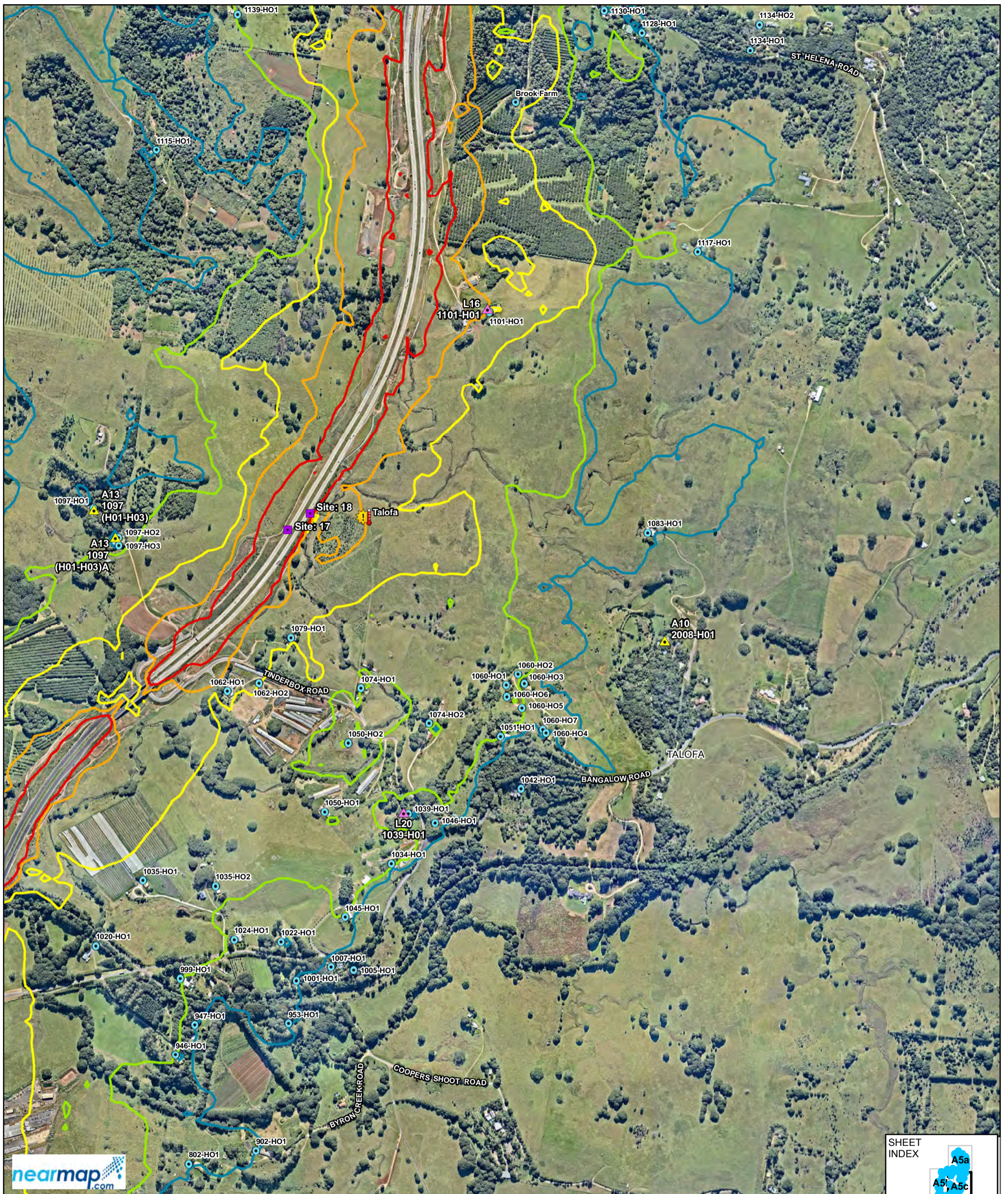


Roads and Maritime Services
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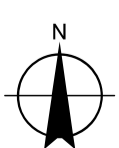
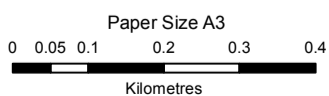
Predicted noise levels - night 2026 **Figure A5b**

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Data source: Nearmap, Photomap, 2016. Created by: gmcidarmid, tmorton



LEGEND

Description of Monitoring	Sound pressure level, LAeq (9 hour)
▲ Attended monitoring	45 dBA
▲ Unattended monitoring	50 dBA
▲ Traffic monitoring	55 dBA
☀ Weather Station	60 dBA
● Receiver	65 dBA



Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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Figure A5c

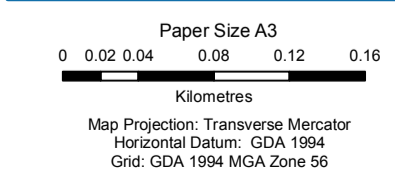


LEGEND

Description of Monitoring	Sound pressure level, LAeq (9 hour)
▲ Attended monitoring	45 dBA
▲ Unattended monitoring	50 dBA
■ Traffic monitoring	55 dBA
☀ Weather Station	60 dBA
● Receiver	65 dBA

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Predicted noise levels - night 2026 **Figure A5d**

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A006_NoiseContour_Night_2026_DDP_0.mxd
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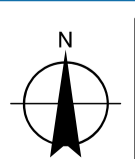
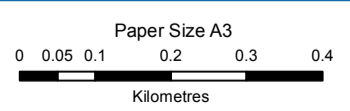


LEGEND

Description of Monitoring	Sound pressure level, LAeq (9 hour)
▲ Attended monitoring	45 dBA
▲ Unattended monitoring	50 dBA
■ Traffic monitoring	55 dBA
☀ Weather Station	60 dBA
● Receiver	65 dBA

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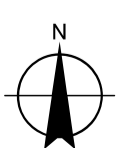
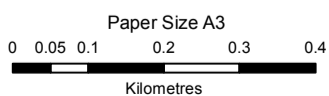
Predicted noise levels - night 2026 **Figure A5e**

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A006_NoiseContour_Night_2026_DDP_0.mxd
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LEGEND	
Description of Monitoring	
	Attended monitoring
	Unattended monitoring
	Traffic monitoring
	Weather Station
	Receiver
Sound pressure level, LAeq (9 hour)	
	45 dBA
	50 dBA
	55 dBA
	60 dBA
	65 dBA



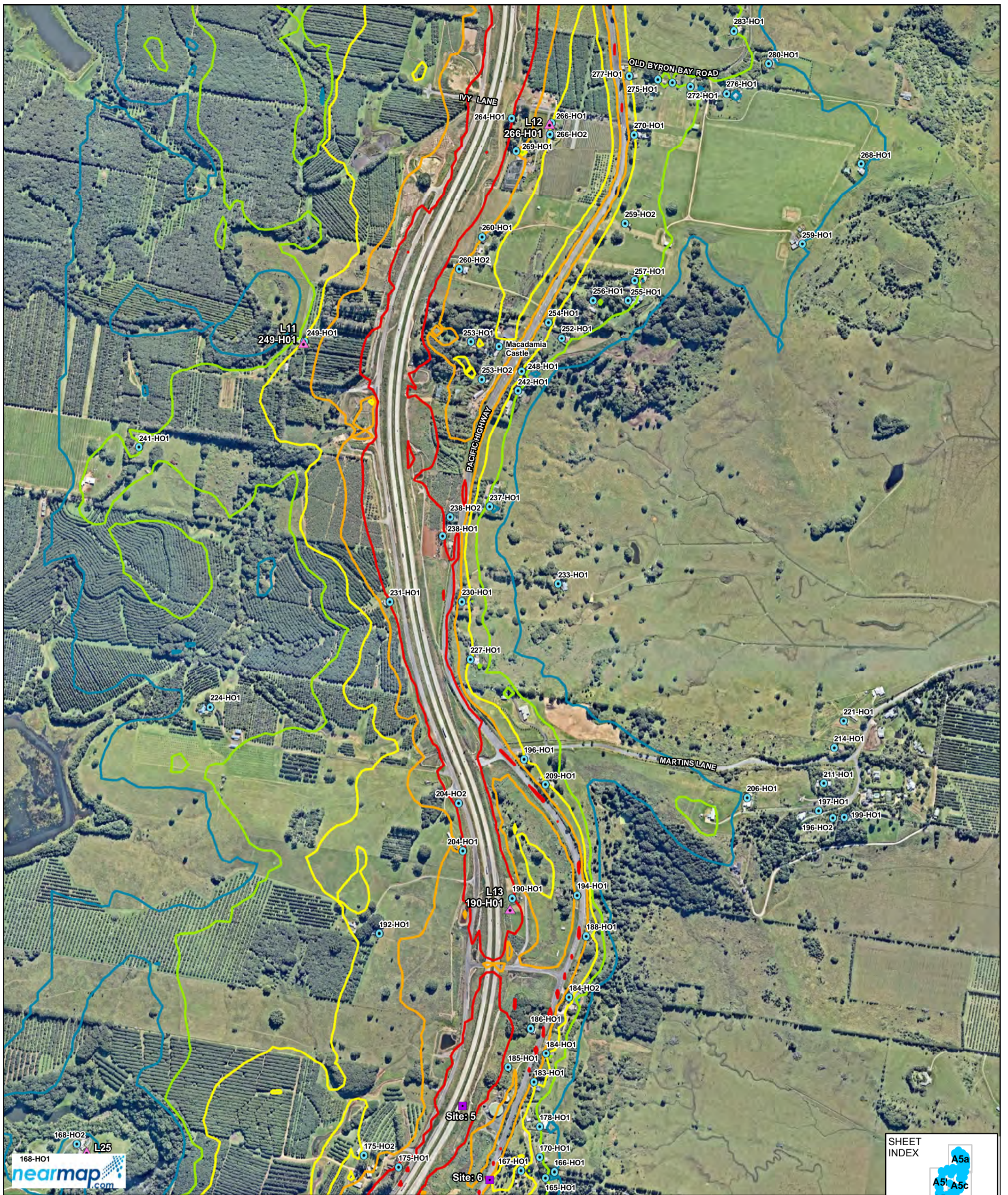
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 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 56

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LEGEND	
<p>Description of Monitoring</p> <ul style="list-style-type: none"> Attended monitoring Unattended monitoring Traffic monitoring Weather Station Receiver 	<p>Sound pressure level, LAeq (9 hour)</p> <ul style="list-style-type: none"> 45 dBA 50 dBA 55 dBA 60 dBA 65 dBA

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 Kilometres
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 56

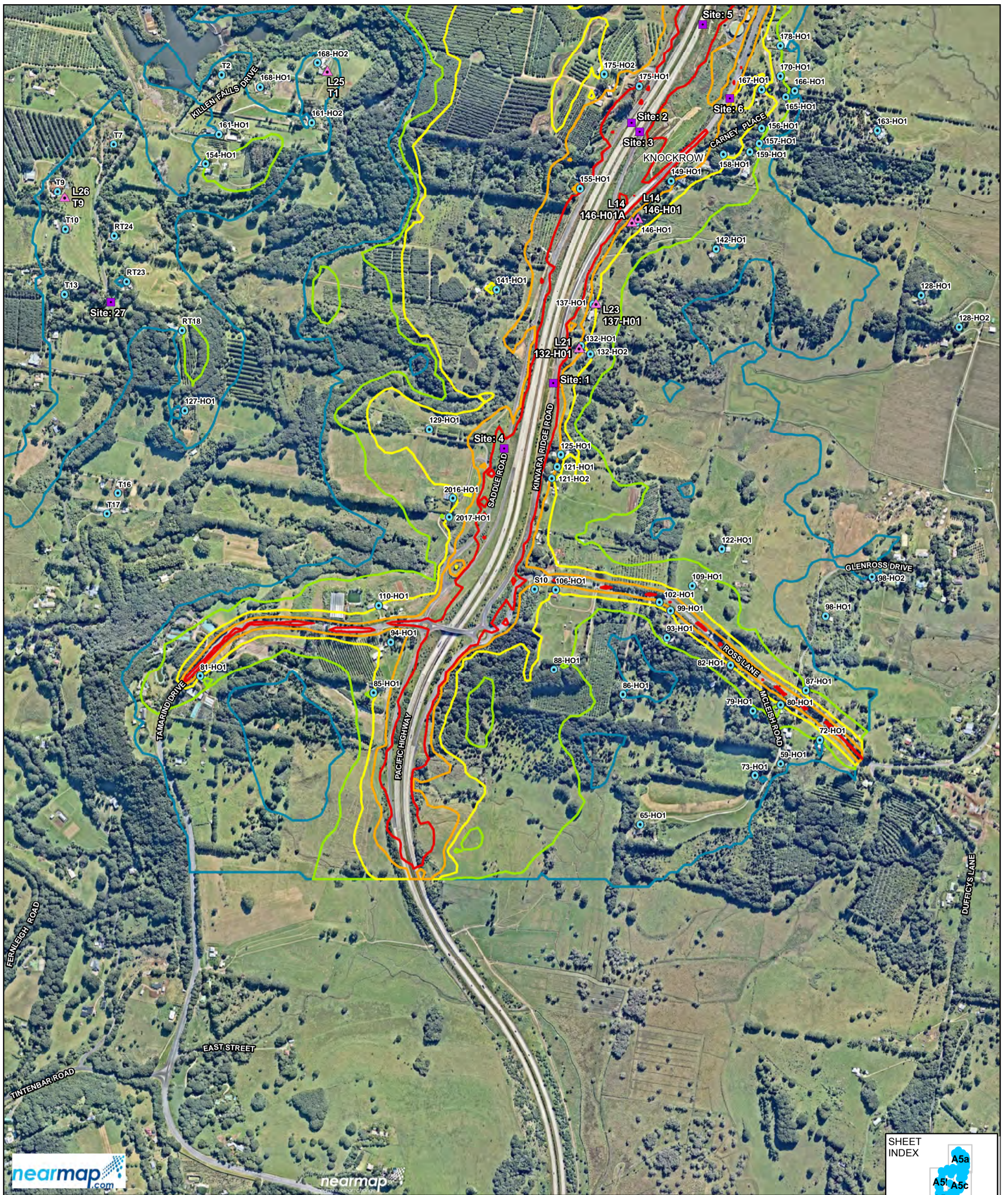


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Predicted noise levels - night 2026 Figure A5h

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A006_NoiseContour_Night_2026_DDP_0.mxd
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 Data source: Nearmap, Photomap, 2016. Created by: gncdiarmid, tmorton

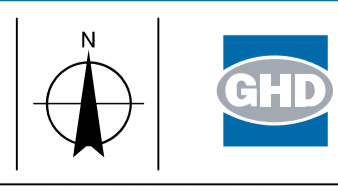
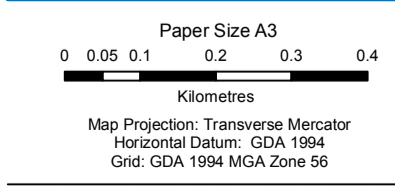


LEGEND

Description of Monitoring	Sound pressure level, LAeq (9 hour)
▲ Attended monitoring	45 dBA
▲ Unattended monitoring	50 dBA
■ Traffic monitoring	55 dBA
★ Weather Station	60 dBA
● Receiver	65 dBA

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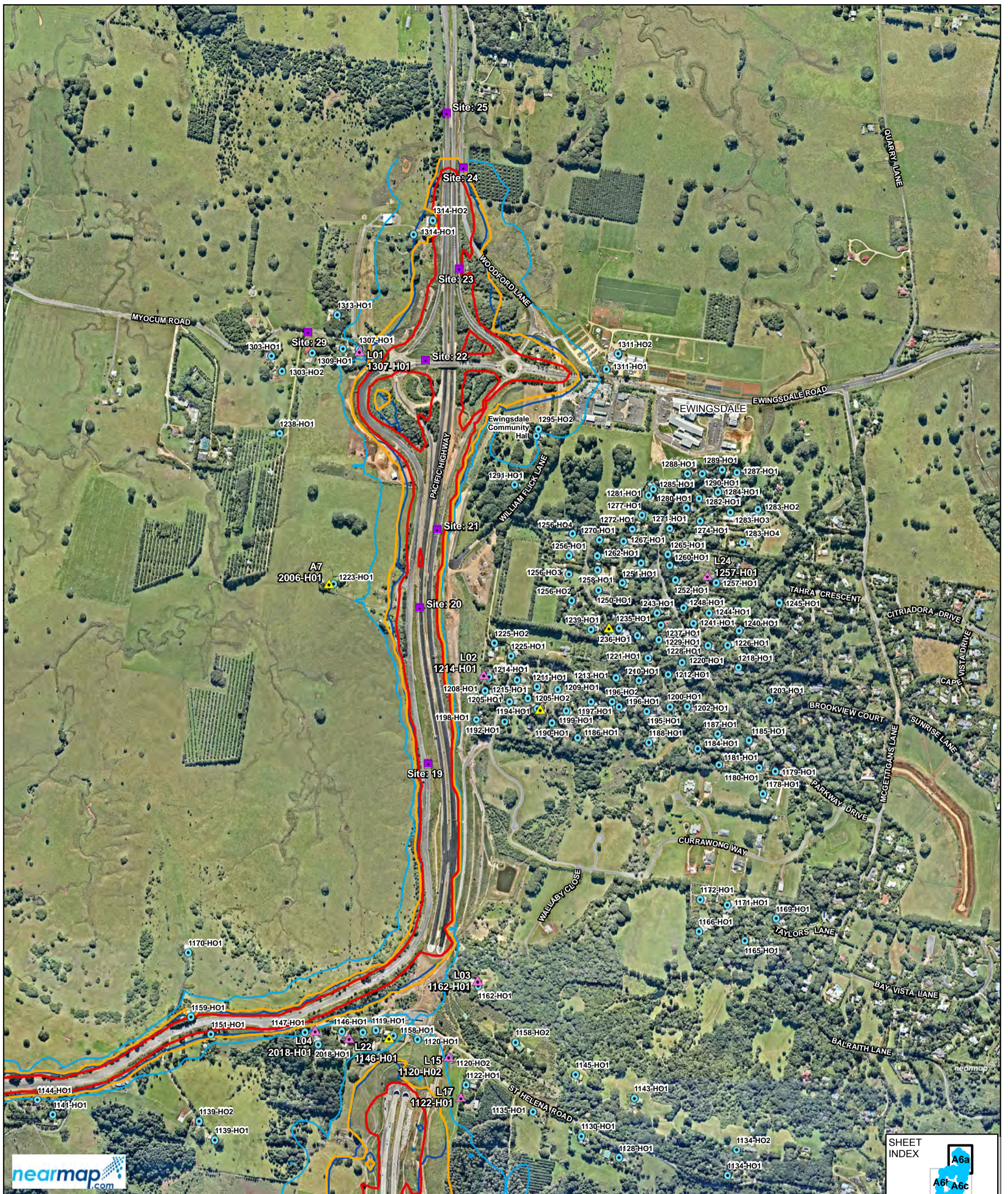


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Predicted noise levels - night 2026 **Figure A5i**

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A006_NoiseContour_Night_2026_DDP_0.mxd
Level 3, GHD Tower, 24 Honeysuckle Drive, Newcastle NSW 2300 T 61 2 4979 9999 F 61 2 4979 9988 E ntmail@ghd.com W www.ghd.com.au
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Data source: Nearmap, Photomap, 2016. Created by: gmcidarmid, tmorton

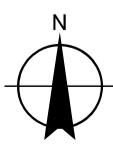
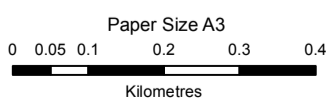


LEGEND

Description of Monitoring		2014 - Sound pressure level, LAeq (15 hour)	
	Attended monitoring		60 dBA
	Unattended monitoring		65 dBA
	Traffic monitoring	2016 - Sound pressure level, LAeq (15 hour)	
	Weather Station		60 dBA
	Receiver		65 dBA

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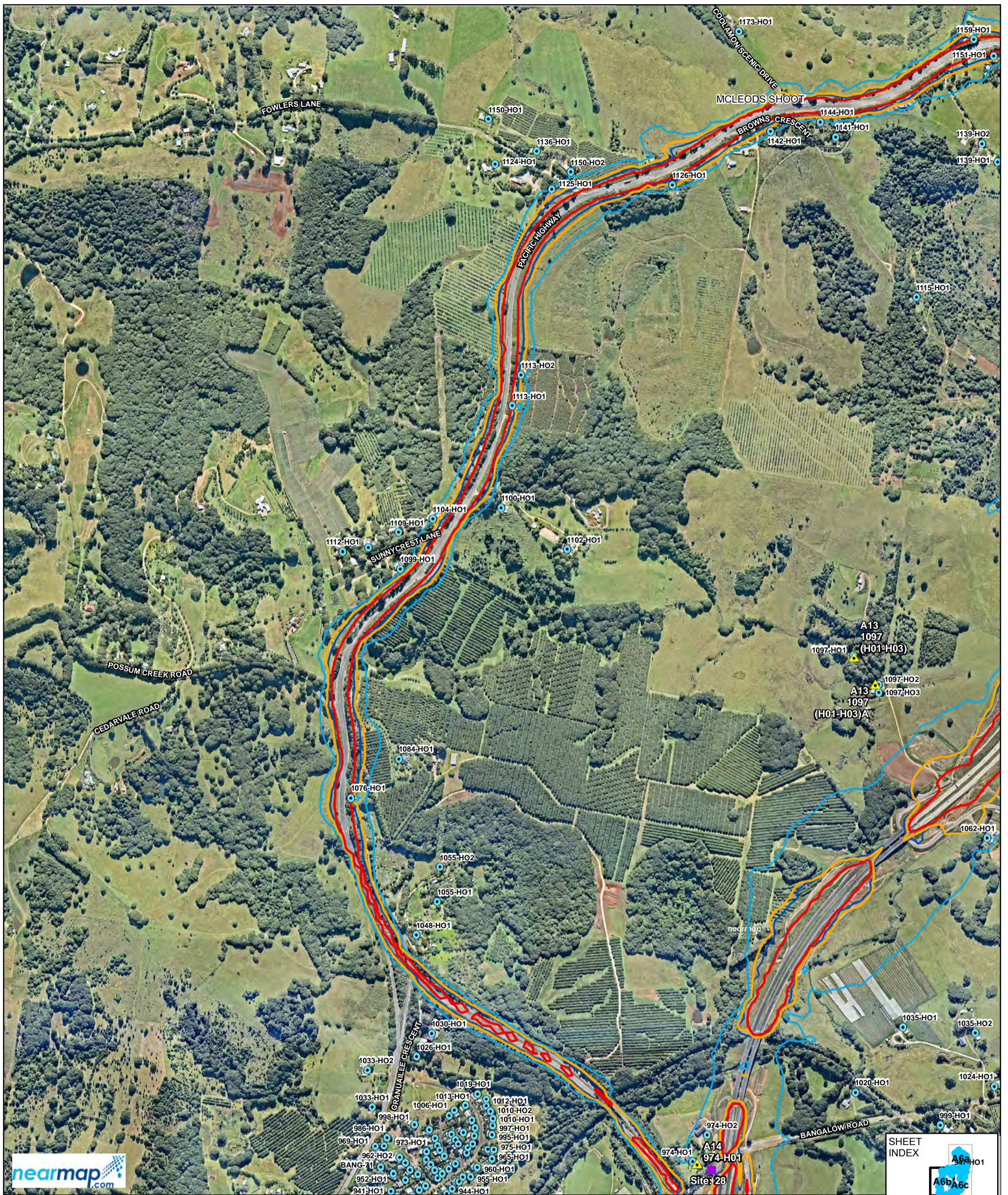


Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

Roads and Maritime Services
T2E Post Construction Noise Monitoring

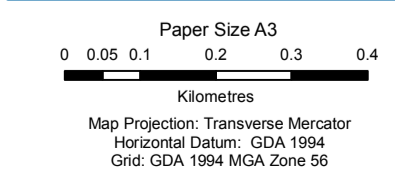
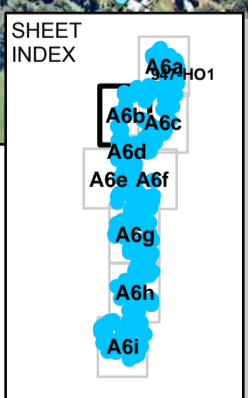
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Noise results comparison
Day: Detailed design 2014 and As-built 2016 **Figure A6a**



LEGEND

Attended monitoring	2014 - Sound pressure level, LAeq (15 hour)
Unattended monitoring	60 dBA
Traffic monitoring	65 dBA
Weather Station	2016 - Sound pressure level, LAeq (15 hour)
Receiver	60 dBA
	65 dBA

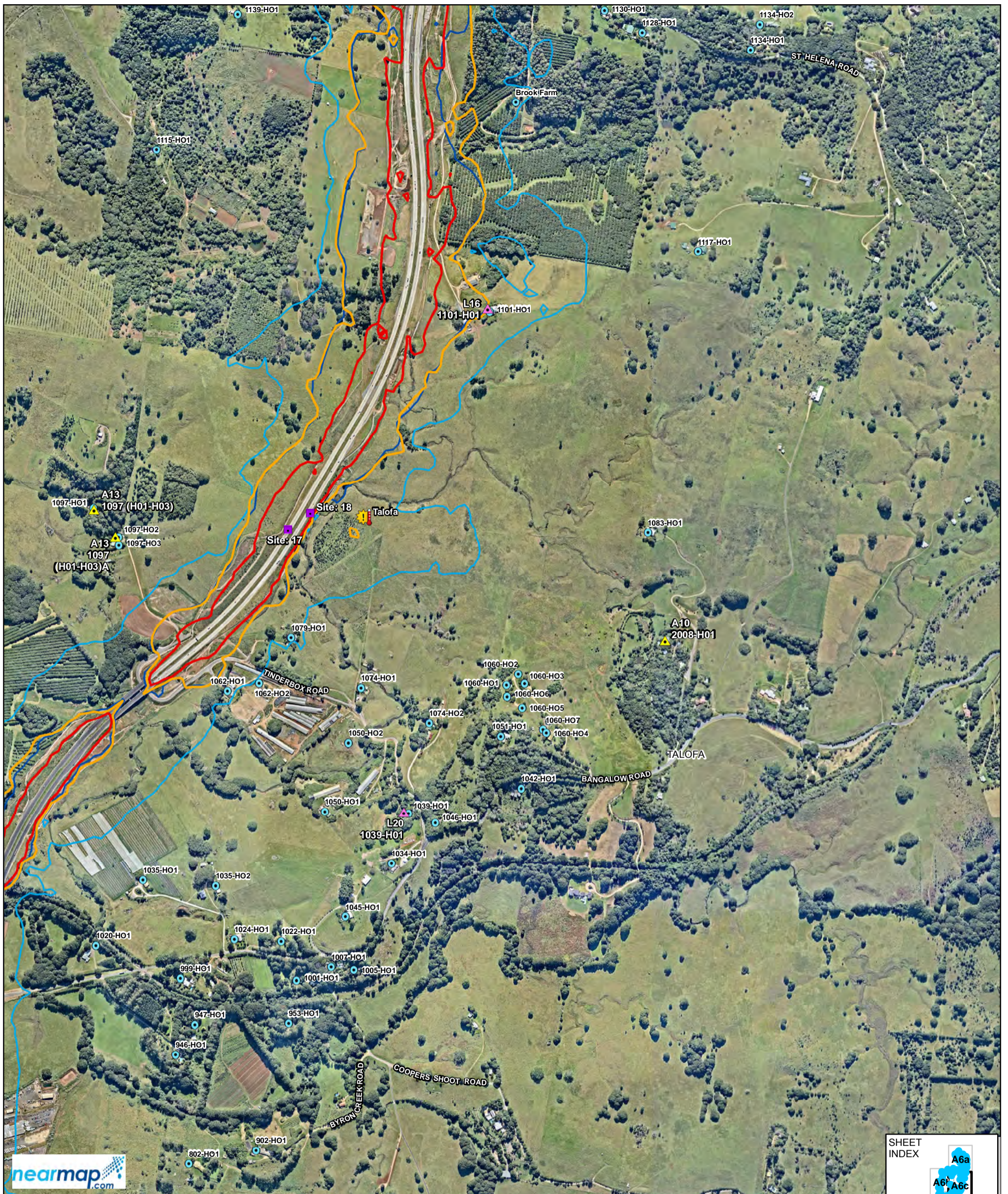


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T2E Post Construction Noise Monitoring

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Noise results comparison
Day: Detailed design 2014 and As-built 2016 **Figure A6b**

N:\AU\Newcastle\Projects\22\18466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A007_NoiseContour_Day_2016_comparison_DDP_1.mxd Level 3, GHD Tower, 24 Honeysuckle Drive, Newcastle NSW 2300 T 61 2 4979 9999 F 61 2 4979 9988 E ntlmail@ghd.com W www.ghd.com.au
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Data source: Nearmap, Photomap, 2016. Created by: gmcdiarmid, tmorton



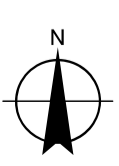
LEGEND

Description of Monitoring		2014 - Sound pressure level, LAeq (15 hour)	
	Attended monitoring		60 dBA
	Unattended monitoring		65 dBA
	Traffic monitoring	2016 - Sound pressure level, LAeq (15 hour)	
	Weather Station		60 dBA
	Receiver		65 dBA

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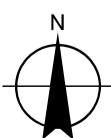
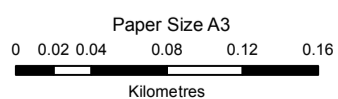
Job Number 22-18466
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Noise results comparison
 Day: Detailed design 2014 and As-built 2016 **Figure A6c**



- LEGEND**
- Description of Monitoring**
- ▲ Attended monitoring
 - Unattended monitoring
 - Traffic monitoring
 - ☀ Weather Station
 - Receiver
- 2014 - Sound pressure level, LAeq (15 hour)**
- 60 dBA
 - 65 dBA
- 2016 - Sound pressure level, LAeq (15 hour)**
- 60 dBA
 - 65 dBA

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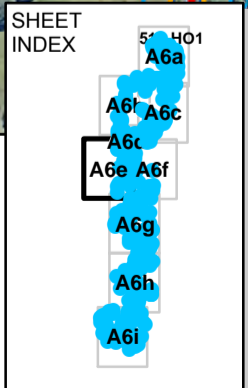


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Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

Roads and Maritime Services
T2E Post Construction Noise Monitoring

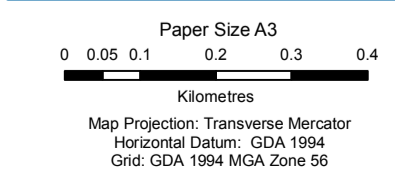
Job Number 22-18466
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Date 09 Feb 2017

Noise results comparison Day: Detailed design 2014 and As-built 2016 Figure A6d



LEGEND

Description of Monitoring	2014 - Sound pressure level, LAeq (15 hour)
▲ Attended monitoring	60 dBA
▲ Unattended monitoring	65 dBA
⚡ Traffic monitoring	2016 - Sound pressure level, LAeq (15 hour)
☀ Weather Station	60 dBA
● Receiver	65 dBA



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Noise results comparison Day: Detailed design 2014 and As-built 2016 Figure A6e

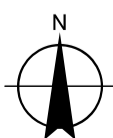
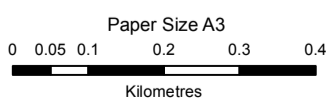


LEGEND

Description of Monitoring		2014 - Sound pressure level, LAeq (15 hour)	
▲	Attended monitoring	□	60 dBA
▲	Unattended monitoring	□	65 dBA
■	Traffic monitoring	2016 - Sound pressure level, LAeq (15 hour)	
☀	Weather Station	□	60 dBA
●	Receiver	□	65 dBA

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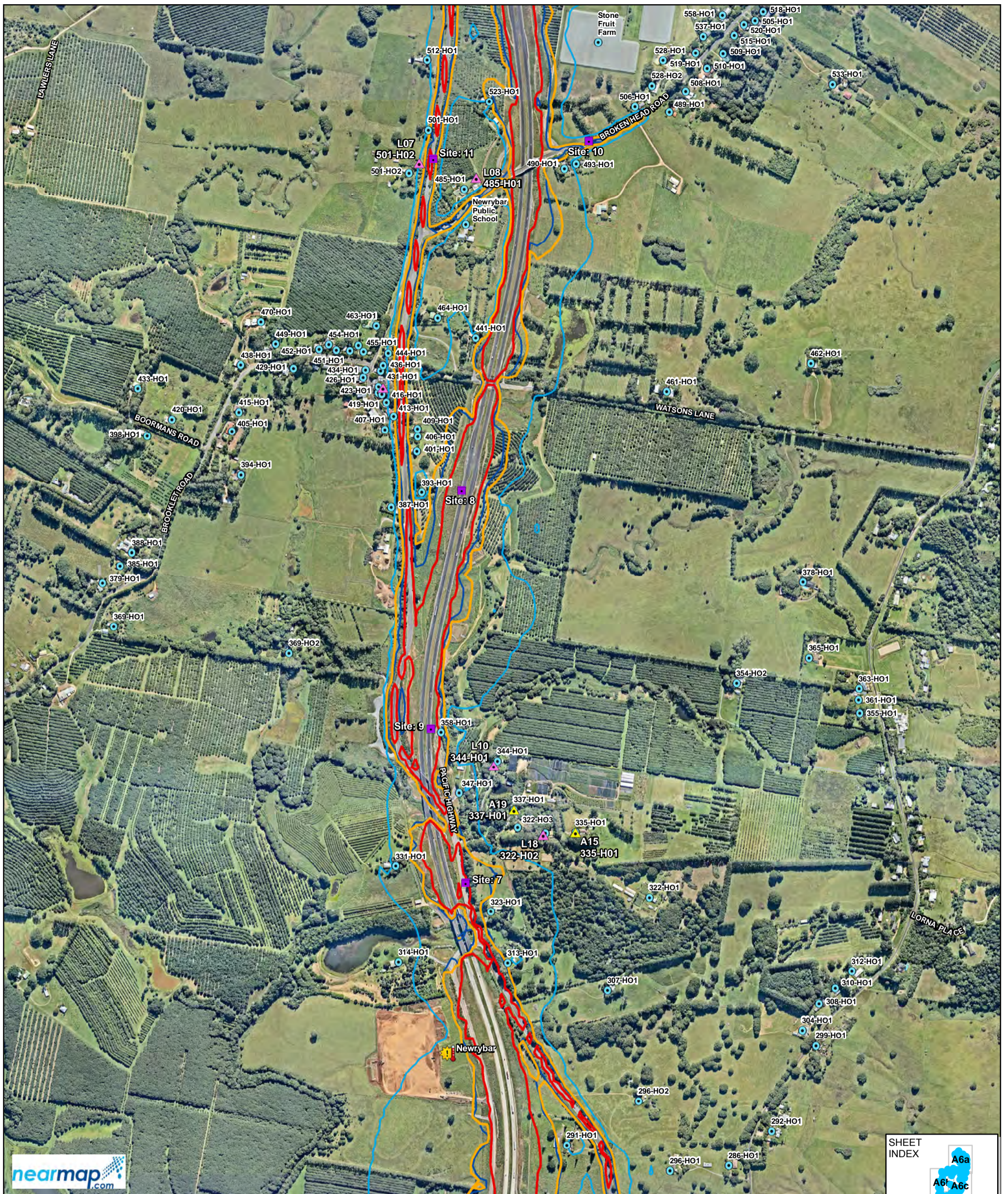
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Noise results comparison
Day: Detailed design 2014 and As-built 2016

Figure A6f

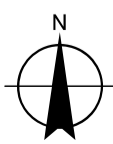
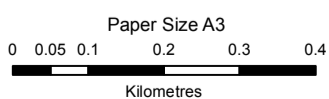


LEGEND

Description of Monitoring		2014 - Sound pressure level, LAeq (15 hour)	
▲	Attended monitoring	□	60 dBA
▲	Unattended monitoring	□	65 dBA
▲	Traffic monitoring	2016 - Sound pressure level, LAeq (15 hour)	
▲	Weather Station	□	60 dBA
●	Receiver	□	65 dBA

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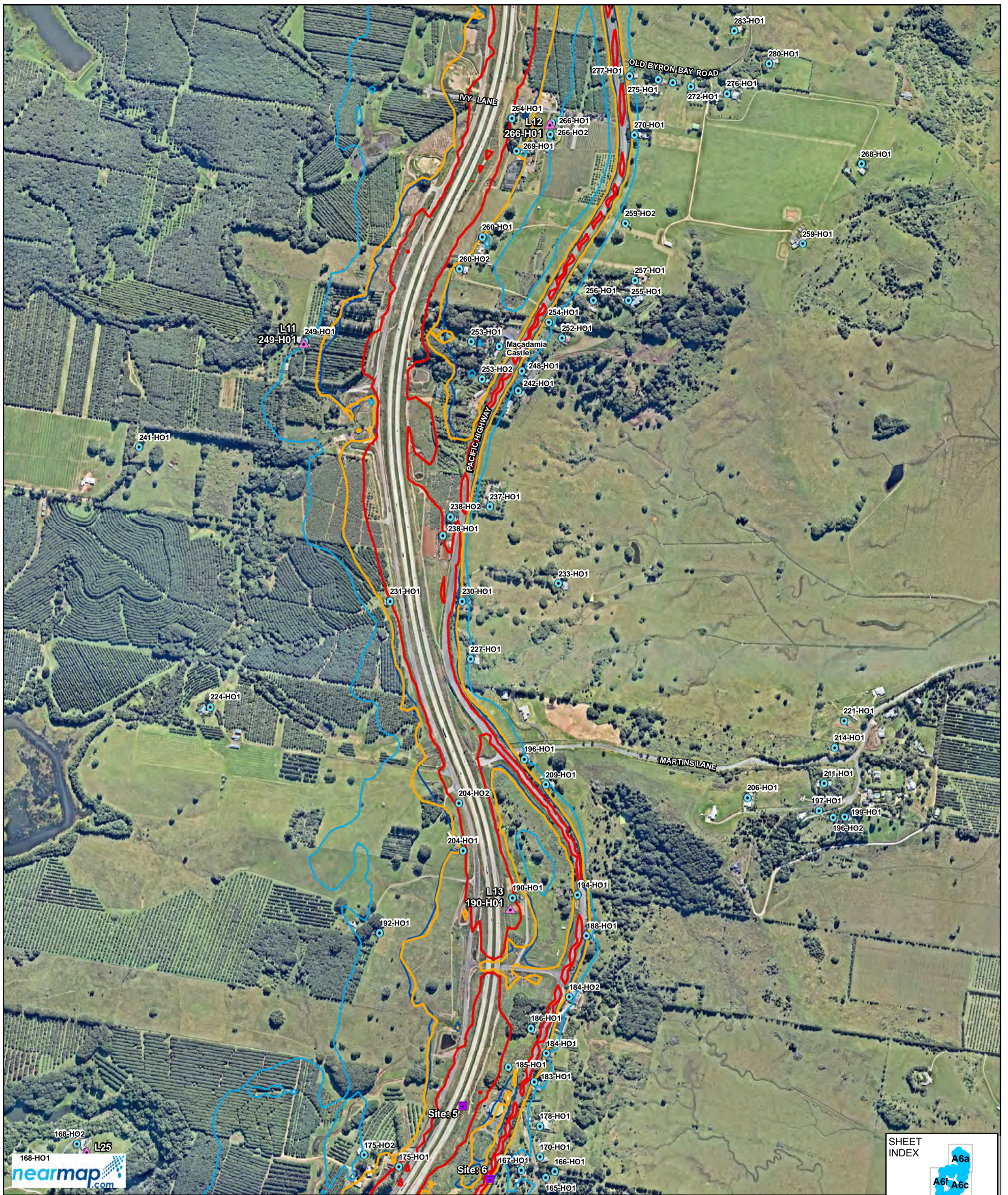


Map Projection: Transverse Mercator
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Grid: GDA 1994 MGA Zone 56

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Noise results comparison
Day: Detailed design 2014 and As-built 2016 **Figure A6g**

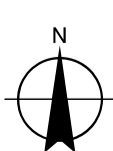
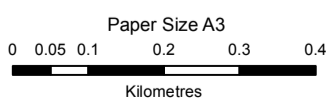


LEGEND

Description of Monitoring	2014 - Sound pressure level, LAeq (15 hour)
▲ Attended monitoring	60 dBA
▲ Unattended monitoring	65 dBA
■ Traffic monitoring	2016 - Sound pressure level, LAeq (15 hour)
☀ Weather Station	60 dBA
● Receiver	65 dBA

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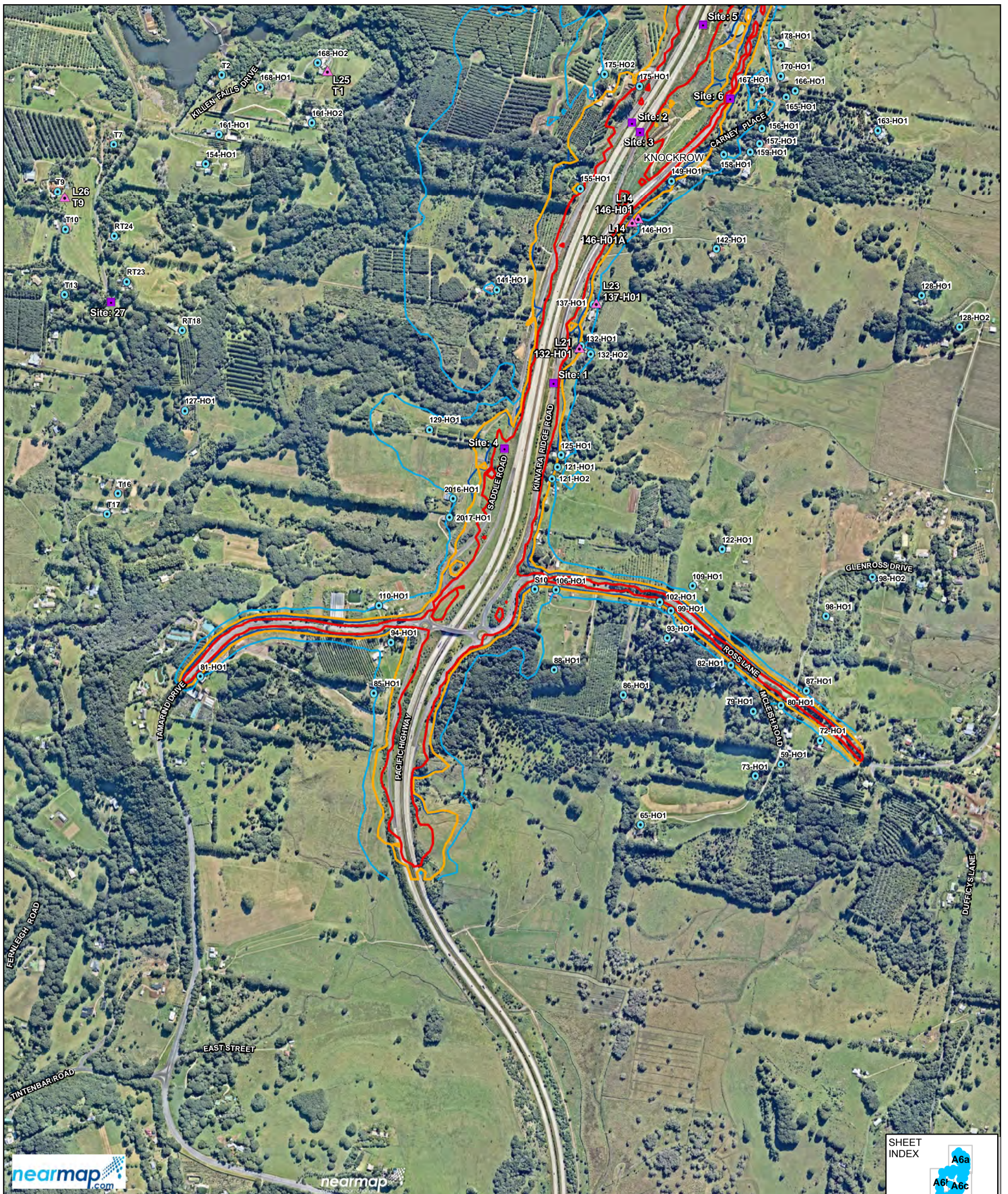


Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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Noise results comparison
Day: Detailed design 2014 and As-built 2016 **Figure A6h**

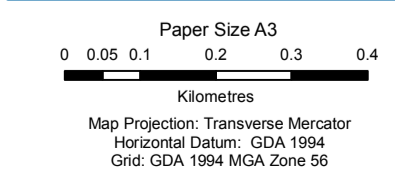


LEGEND

Description of Monitoring		2014 - Sound pressure level, LAeq (15 hour)	
▲	Attended monitoring	□	60 dBA
▲	Unattended monitoring	□	65 dBA
⊙	Traffic monitoring	2016 - Sound pressure level, LAeq (15 hour)	
☀	Weather Station	□	60 dBA
⊙	Receiver	□	65 dBA

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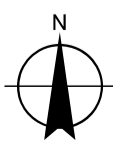
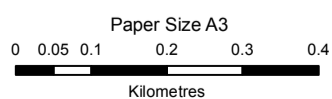
Noise results comparison
Day: Detailed design 2014 and As-built 2016 **Figure A6i**

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LEGEND	
Description of Monitoring	
	Attended monitoring
	Unattended monitoring
	Traffic monitoring
	Weather Station
	Receiver
2014 - Sound pressure level, LAeq (9 hour)	
	60 dBA
	65 dBA
2016 - Sound pressure level, LAeq (9 hour)	
	60 dBA
	65 dBA

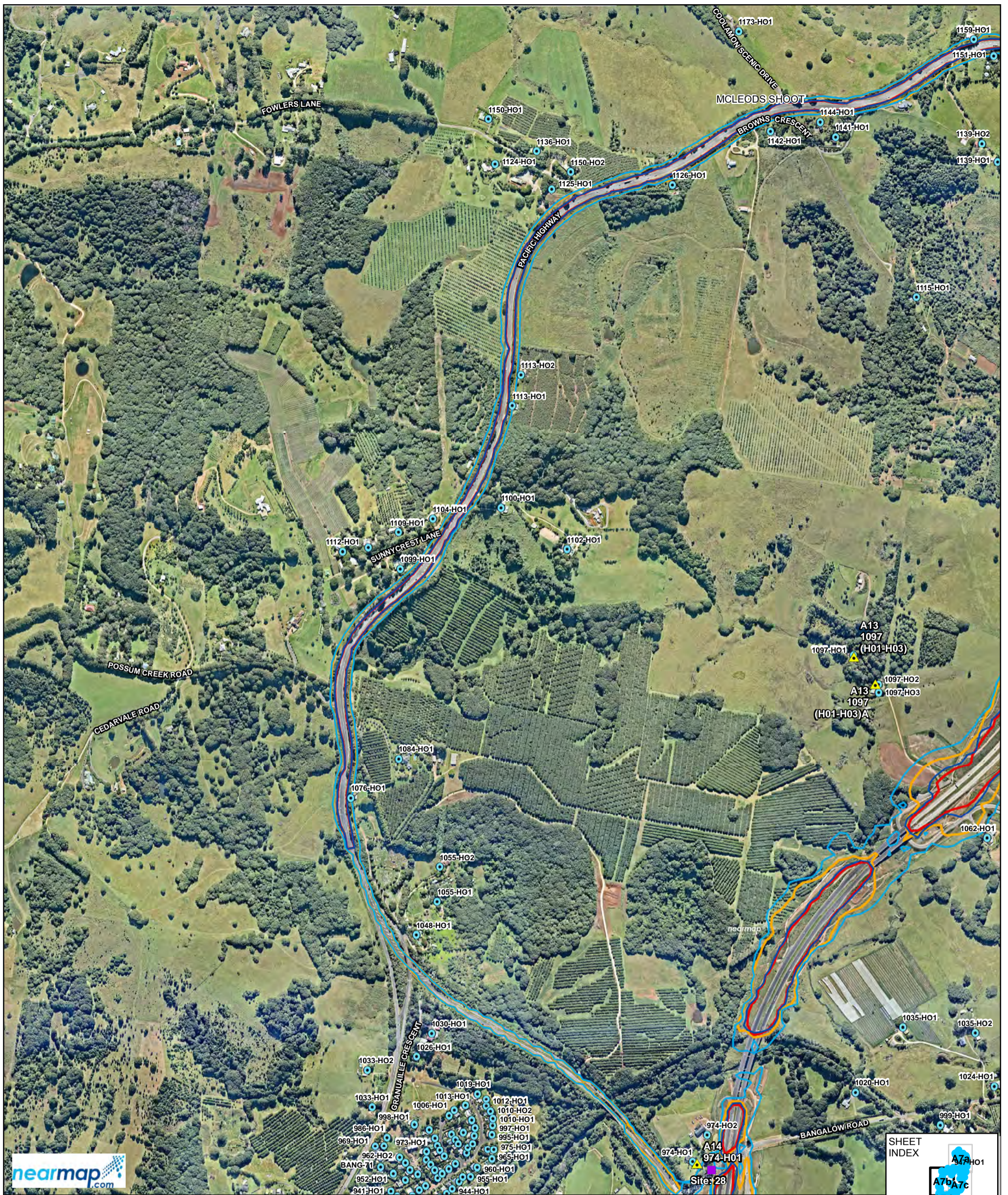


Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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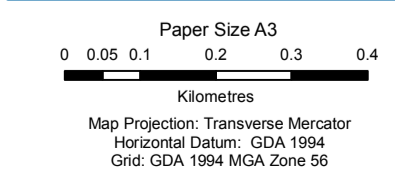
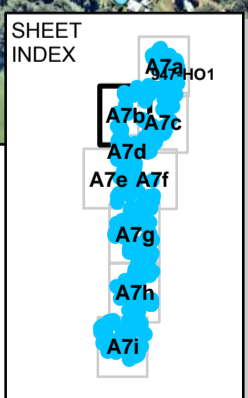
Noise results comparison Night: Detailed design 2014 and As-built 2016 Figure A7a



LEGEND

Description of Monitoring	
	Attended monitoring
	Unattended monitoring
	Traffic monitoring
	Weather Station
	Receiver

2014 - Sound pressure level, LAeq (9 hour)	
	60 dBA
	65 dBA
2016 - Sound pressure level, LAeq (9 hour)	
	60 dBA
	65 dBA



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Noise results comparison
Night: Detailed design 2014 and As-built 2016 **Figure A7b**

N:\AU\Newcastle\Projects\22\18466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A008_NoiseContour_Night_2016_comparison_DDP_1.mxd Level 3, GHD Tower, 24 Honeysuckle Drive, Newcastle NSW 2300 T 61 2 4979 9999 F 61 2 4979 9988 E ntlmail@ghd.com W www.ghd.com.au
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Data source: Nearmap, Photomap, 2016. Created by: gmcdiarmid, tmorton



LEGEND

Description of Monitoring

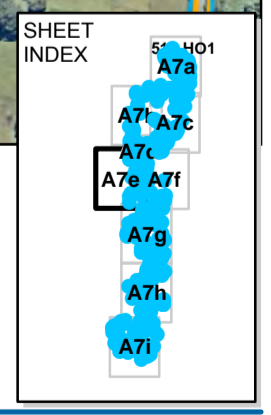
- Attended monitoring
- Unattended monitoring
- Traffic monitoring
- Weather Station
- Receiver

2014 - Sound pressure level, LAeq (9 hour)

- 60 dBA
- 65 dBA

2016 - Sound pressure level, LAeq (9 hour)

- 60 dBA
- 65 dBA



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Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56



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Noise results comparison Night: Detailed design 2014 and As-built 2016 Figure A7e

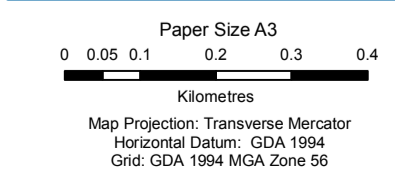


LEGEND

Description of Monitoring		2014 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	□	60 dBA
▲	Unattended monitoring	□	65 dBA
■	Traffic monitoring		
☀	Weather Station	□	60 dBA
●	Receiver	□	65 dBA
		2016 - Sound pressure level, LAeq (9 hour)	
		□	60 dBA
		□	65 dBA

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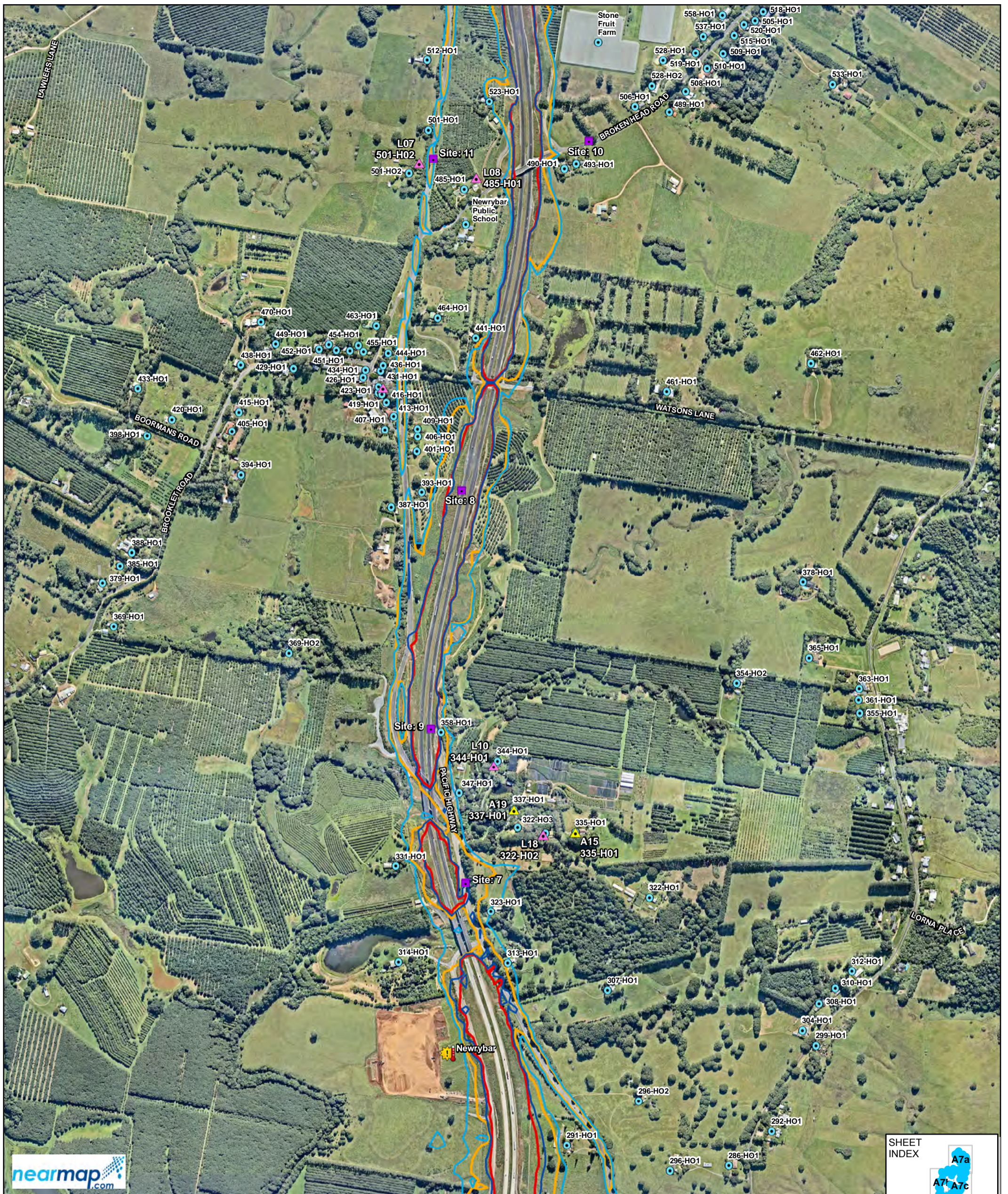


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Noise results comparison
Night: Detailed design 2014 and As-built 2016 **Figure A7f**

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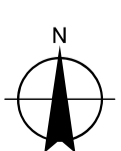
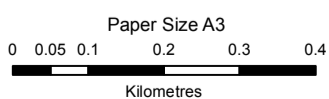


LEGEND

Description of Monitoring		2014 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	□	60 dBA
△	Unattended monitoring	□	65 dBA
■	Traffic monitoring	2016 - Sound pressure level, LAeq (9 hour)	
☀	Weather Station	□	60 dBA
●	Receiver	□	65 dBA

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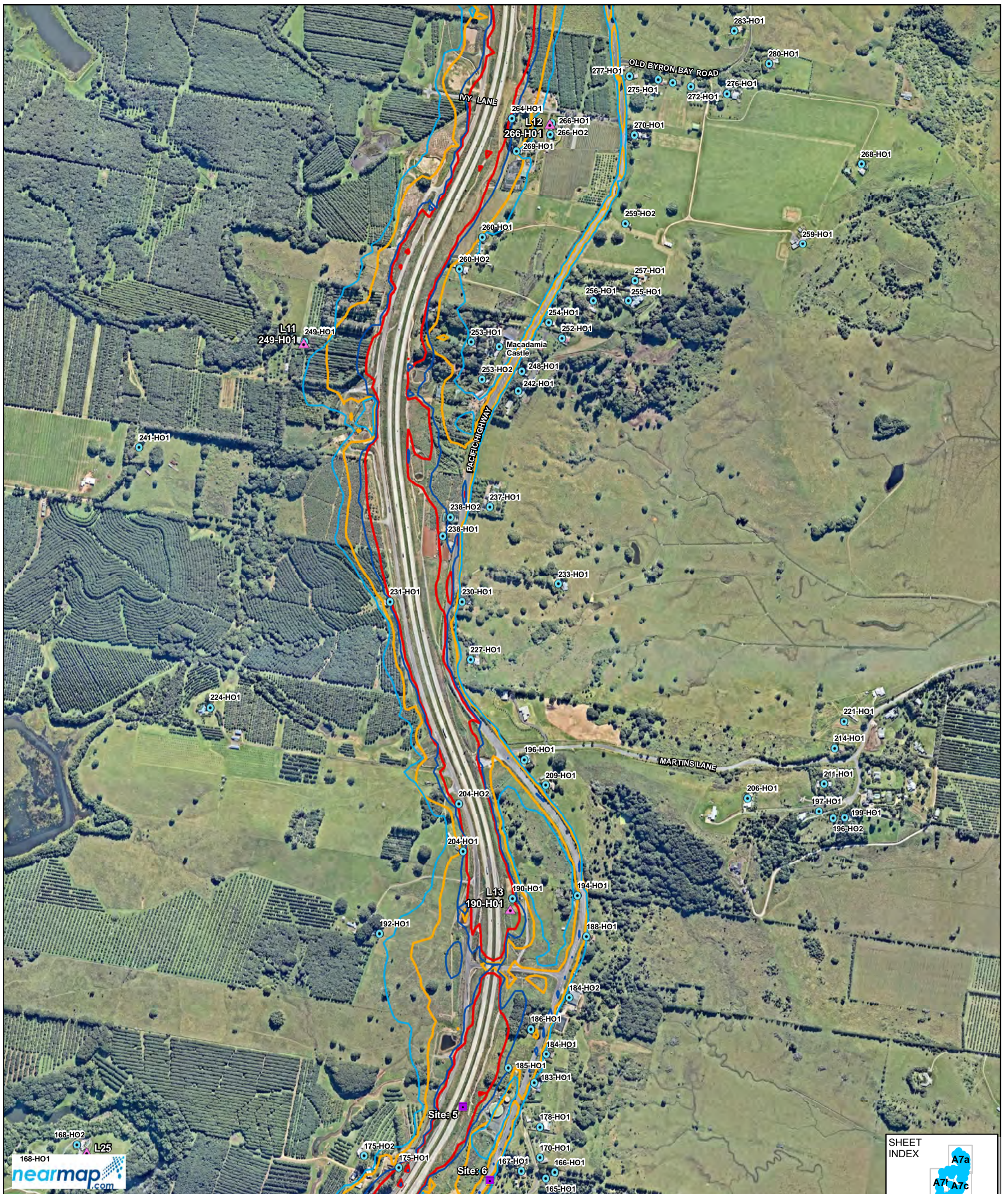


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Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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Noise results comparison Night: Detailed design 2014 and As-built 2016 Figure A7g



LEGEND

Description of Monitoring

- Attended monitoring
- Unattended monitoring
- Traffic monitoring
- Weather Station
- Receiver

2014 - Sound pressure level, LAeq (9 hour)

- 60 dBA
- 65 dBA

2016 - Sound pressure level, LAeq (9 hour)

- 60 dBA
- 65 dBA

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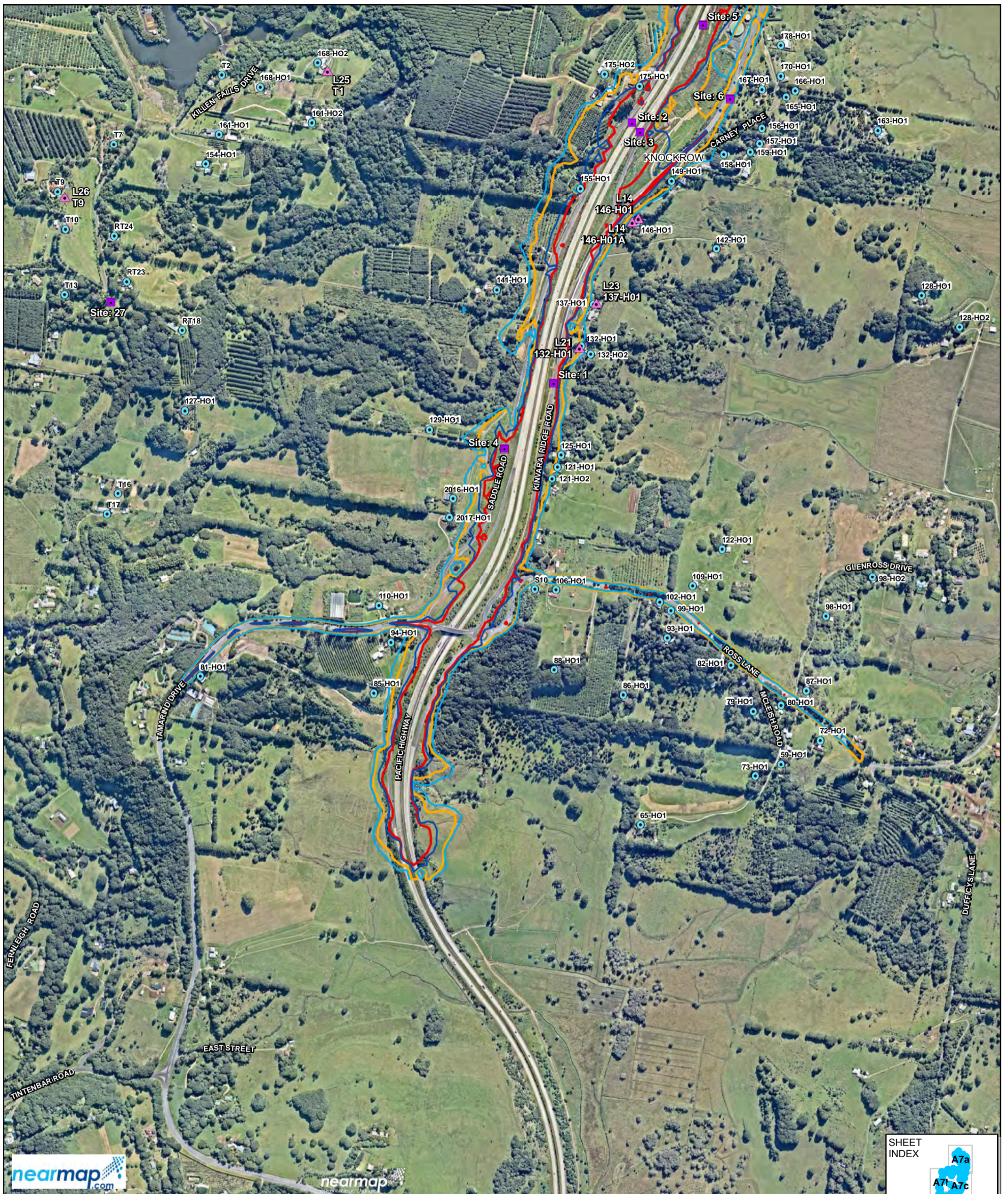


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Noise results comparison
 Night: Detailed design 2014 and As-built 2016 **Figure A7h**

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 Data source: Nearmap, Photomap, 2016. Created by: gmcdiamid, tmorton

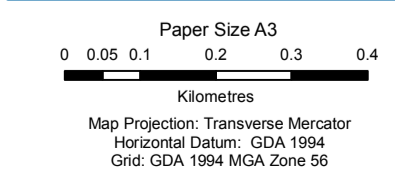


LEGEND

Description of Monitoring		2014 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	60 dBA	65 dBA
▲	Unattended monitoring	60 dBA	65 dBA
■	Traffic monitoring	2016 - Sound pressure level, LAeq (9 hour)	
☀	Weather Station	60 dBA	65 dBA
●	Receiver	60 dBA	65 dBA

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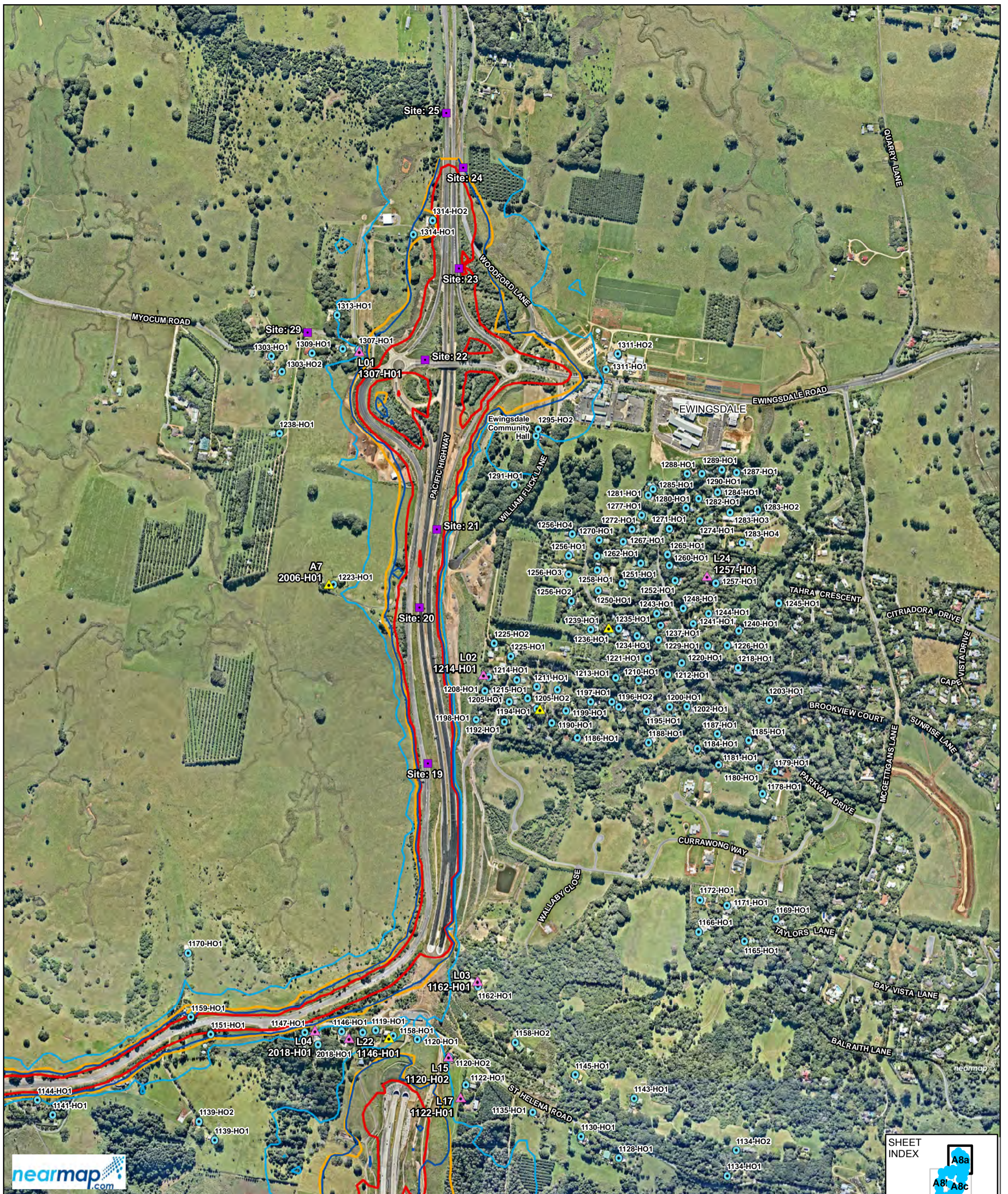


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Noise results comparison
Night: Detailed design 2014 and As-built 2016 Figure A7i

N:\AU\Newcastle\Projects\22\18466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A008_NoiseContour_Night_2016_comparison_DDP_1.mxd Level 3, GHD Tower, 24 Honeysuckle Drive, Newcastle NSW 2300 T 61 2 4979 9999 F 61 2 4979 9988 E ntlmail@ghd.com W www.ghd.com.au
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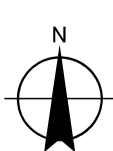
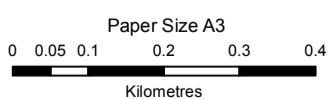


LEGEND

Description of Monitoring	2024 - Sound pressure level, LAeq (15 hour)
▲ Attended monitoring	60 dBA
▲ Unattended monitoring	65 dBA
■ Traffic monitoring	2026 - Sound pressure level, LAeq (15 hour)
☀ Weather Station	60 dBA
● Receiver	65 dBA

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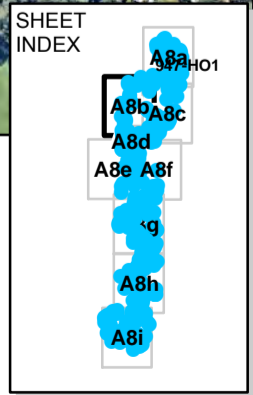
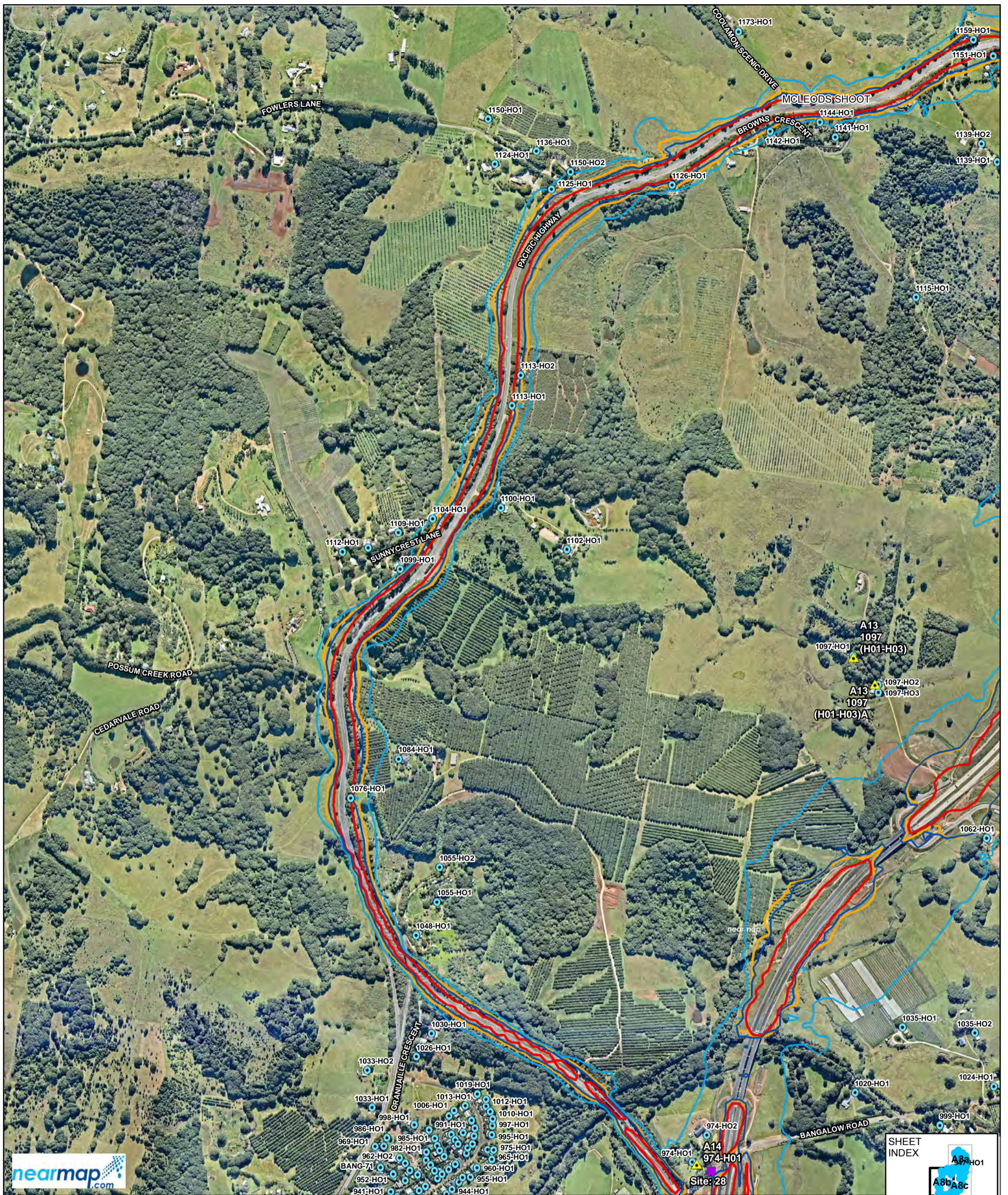


Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

Roads and Maritime Services
T2E Post Construction Noise Monitoring

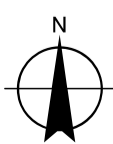
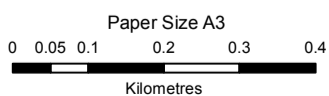
Job Number | 22-18466
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Date | 09 Feb 2017

Noise results comparison
Day: Detailed design 2024 and As-built 2026 **Figure A8a**



LEGEND

Description of Monitoring	2024 - Sound pressure level, LAeq (15 hour)
▲ Attended monitoring	60 dBA
▲ Unattended monitoring	65 dBA
▲ Traffic monitoring	2026 - Sound pressure level, LAeq (15 hour)
☀ Weather Station	60 dBA
● Receiver	65 dBA



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Noise results comparison Day: Detailed design 2024 and As-built 2026 Figure A8b

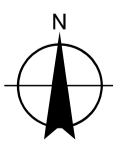
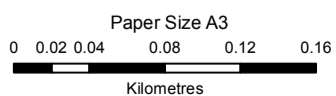


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (15 hour)	
▲	Attended monitoring	 	60 dBA
▲	Unattended monitoring	 	65 dBA
■	Traffic monitoring	 	60 dBA
☀	Weather Station	 	65 dBA
●	Receiver		

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Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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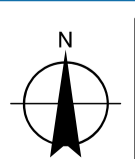
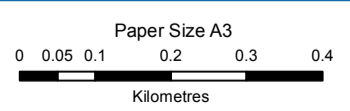
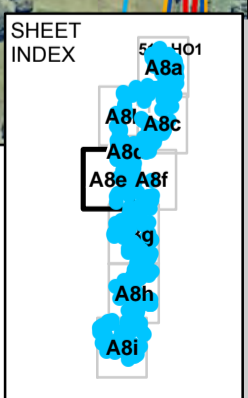
Job Number | 22-18466
Revision | 0
Date | 09 Feb 2017

Noise results comparison Day: Detailed design 2024 and As-built 2026 Figure A8d



LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (15 hour)	
▲	Attended monitoring	60 dBA	65 dBA
▲	Unattended monitoring	60 dBA	65 dBA
■	Traffic monitoring	2026 - Sound pressure level, LAeq (15 hour)	
☀	Weather Station	60 dBA	65 dBA
●	Receiver	60 dBA	65 dBA



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Noise results comparison Day: Detailed design 2024 and As-built 2026 Figure A8e

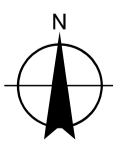
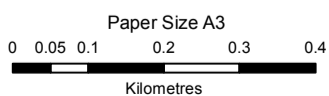


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (15 hour)
▲	Attended monitoring	60 dBA
▲	Unattended monitoring	65 dBA
■	Traffic monitoring	2026 - Sound pressure level, LAeq (15 hour)
☀	Weather Station	60 dBA
●	Receiver	65 dBA

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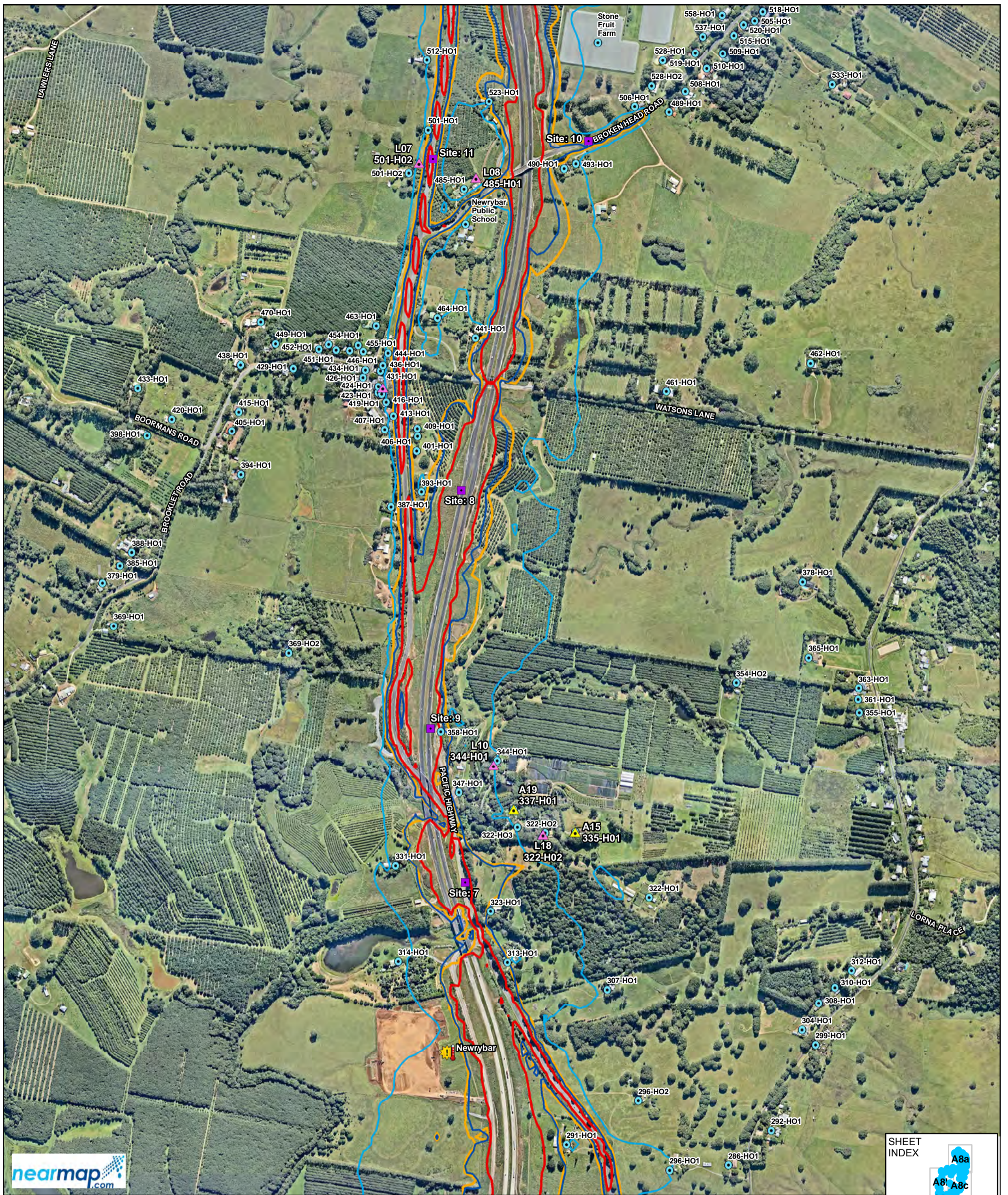


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Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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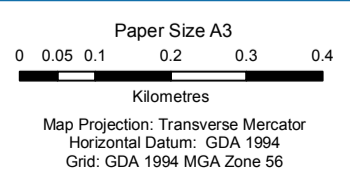
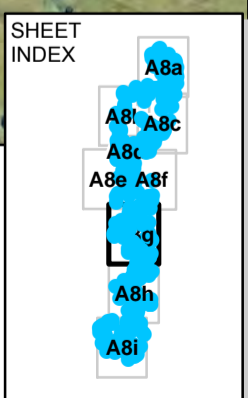
Job Number | 22-18466
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Noise results comparison
Day: Detailed design 2024 and As-built 2026 **Figure A8f**



LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (15 hour)	
▲	Attended monitoring	60 dBA	65 dBA
▲	Unattended monitoring	60 dBA	65 dBA
■	Traffic monitoring	2026 - Sound pressure level, LAeq (15 hour)	
☀	Weather Station	60 dBA	65 dBA
●	Receiver	60 dBA	65 dBA

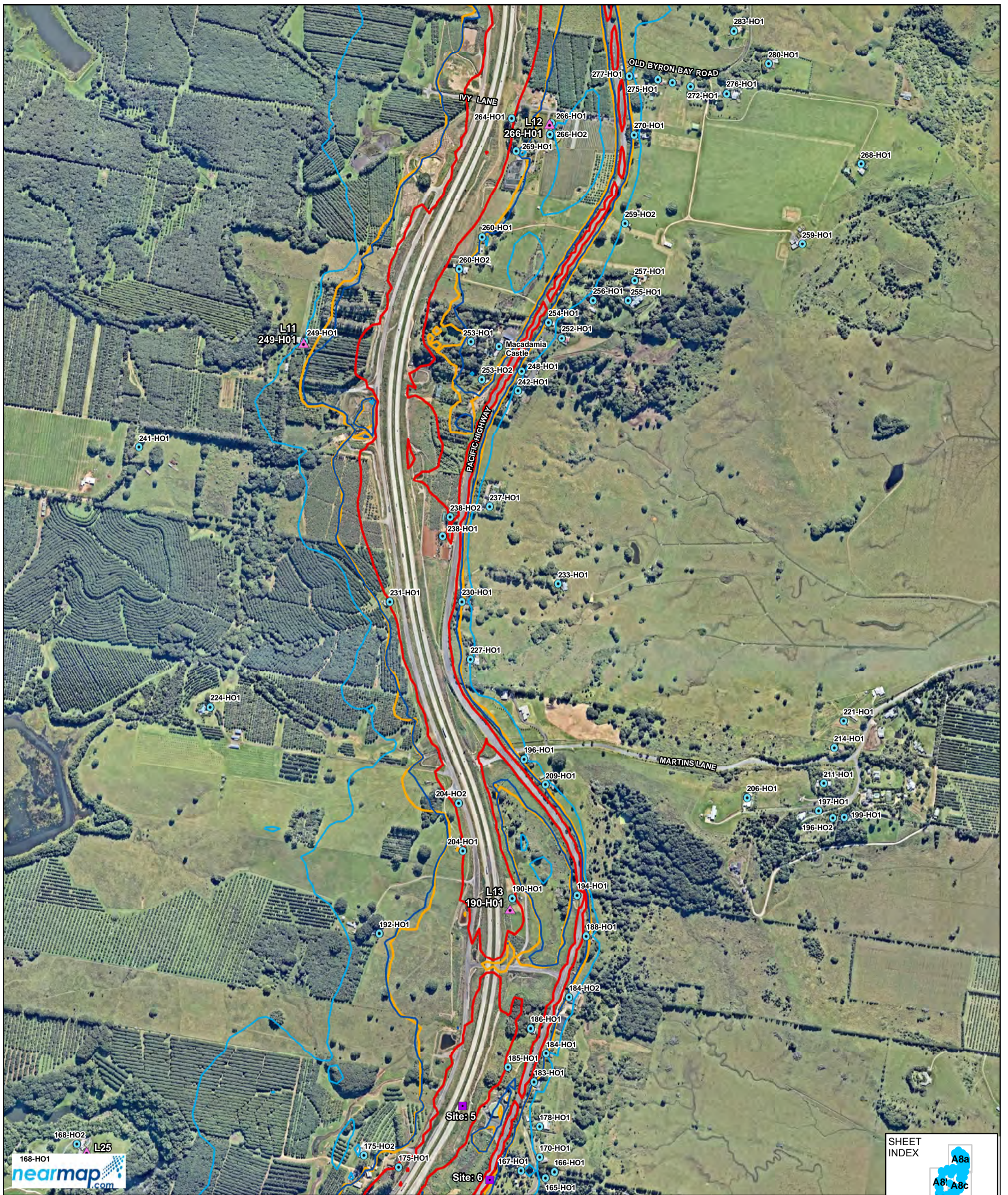


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Noise results comparison
Day: Detailed design 2024 and As-built 2026 **Figure A8g**

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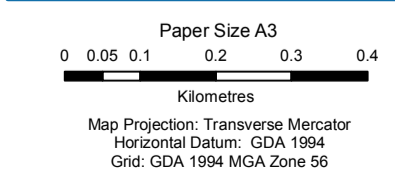


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (15 hour)	
▲	Attended monitoring	60 dBA	65 dBA
▲	Unattended monitoring	60 dBA	65 dBA
■	Traffic monitoring	2026 - Sound pressure level, LAeq (15 hour)	
☀	Weather Station	60 dBA	65 dBA
●	Receiver	60 dBA	65 dBA

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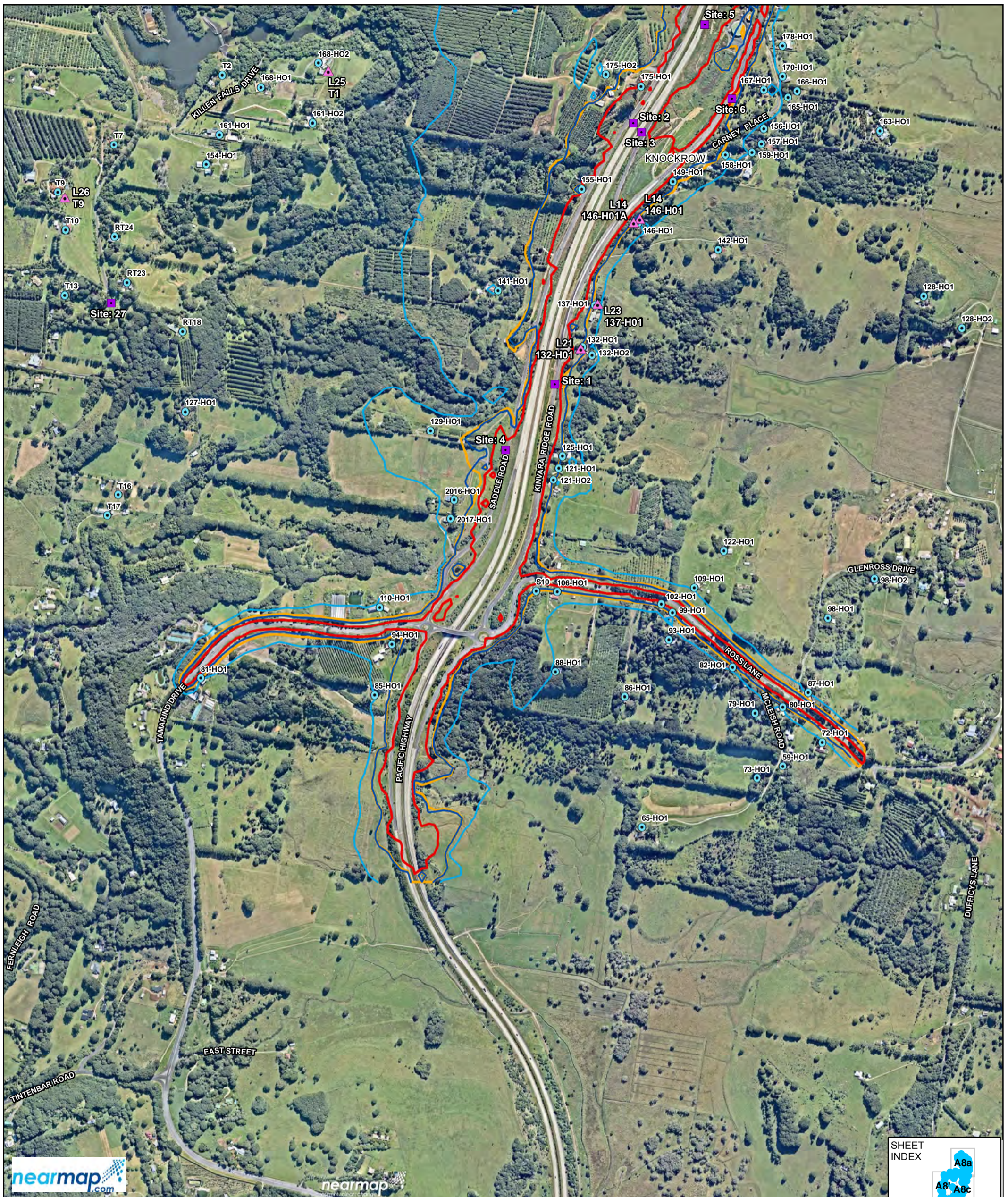


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T2E Post Construction Noise Monitoring

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Noise results comparison
Day: Detailed design 2024 and As-built 2026 **Figure A8h**

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A009_NoiseContour_Day_2026_comparison_DDP_0.mxd
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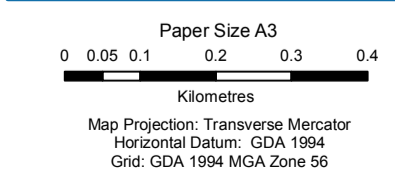


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (15 hour)	
▲	Attended monitoring	60 dBA	
▲	Unattended monitoring	65 dBA	
■	Traffic monitoring	2026 - Sound pressure level, LAeq (15 hour)	
☀	Weather Station	60 dBA	
●	Receiver	65 dBA	

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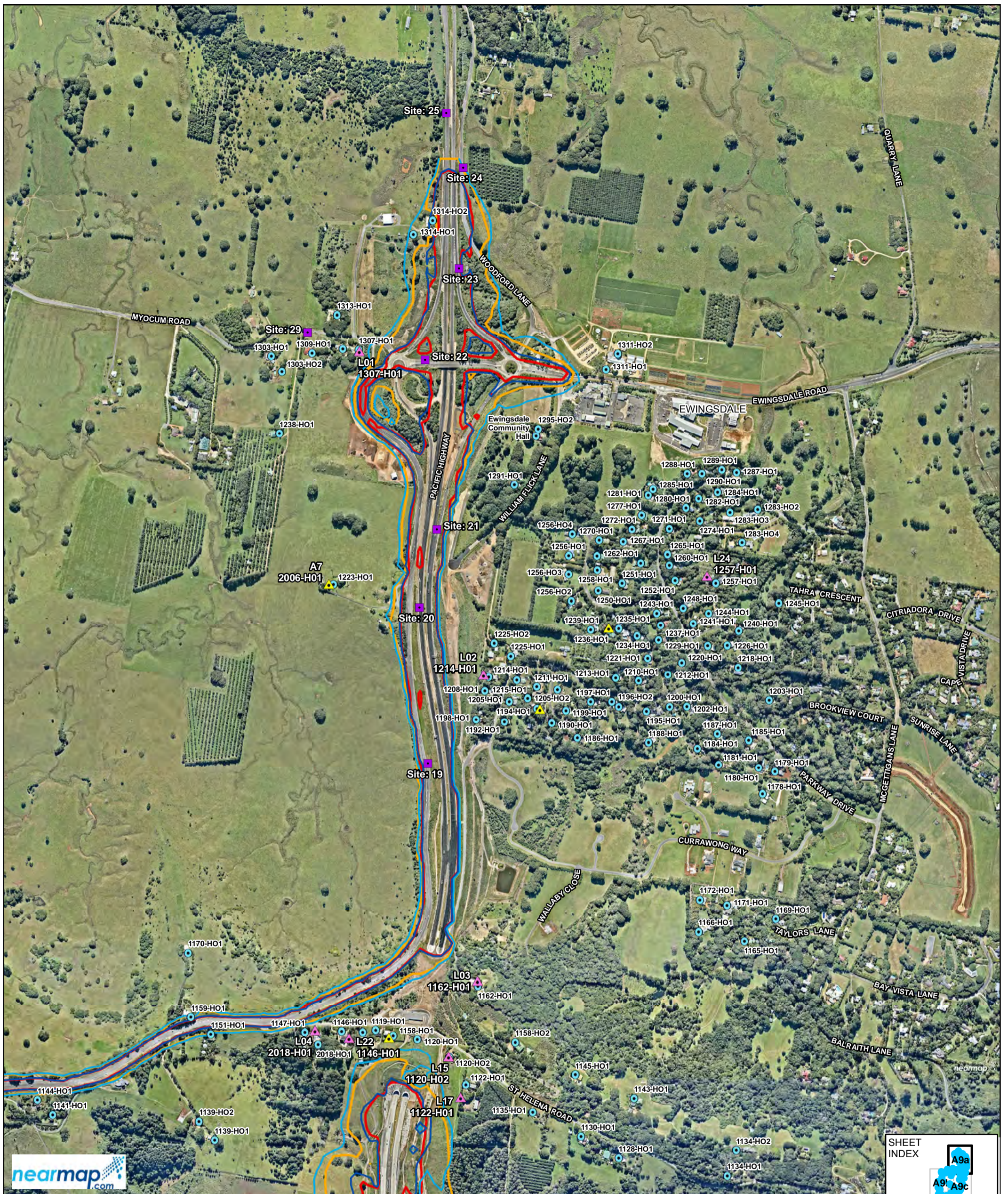


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Noise results comparison
Day: Detailed design 2024 and As-built 2026 **Figure A8i**

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Data source: Nearmap, Photomap, 2016. Created by: gmcidarmid, tmorton



LEGEND

Description of Monitoring

- ▲ Attended monitoring
- ▲ Unattended monitoring
- Traffic monitoring
- ☀ Weather Station
- Receiver

2024 - Sound pressure level, LAeq (9 hour)

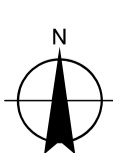
- 60 dBA
- 65 dBA

2026 - Sound pressure level, LAeq (9 hour)

- 60 dBA
- 65 dBA

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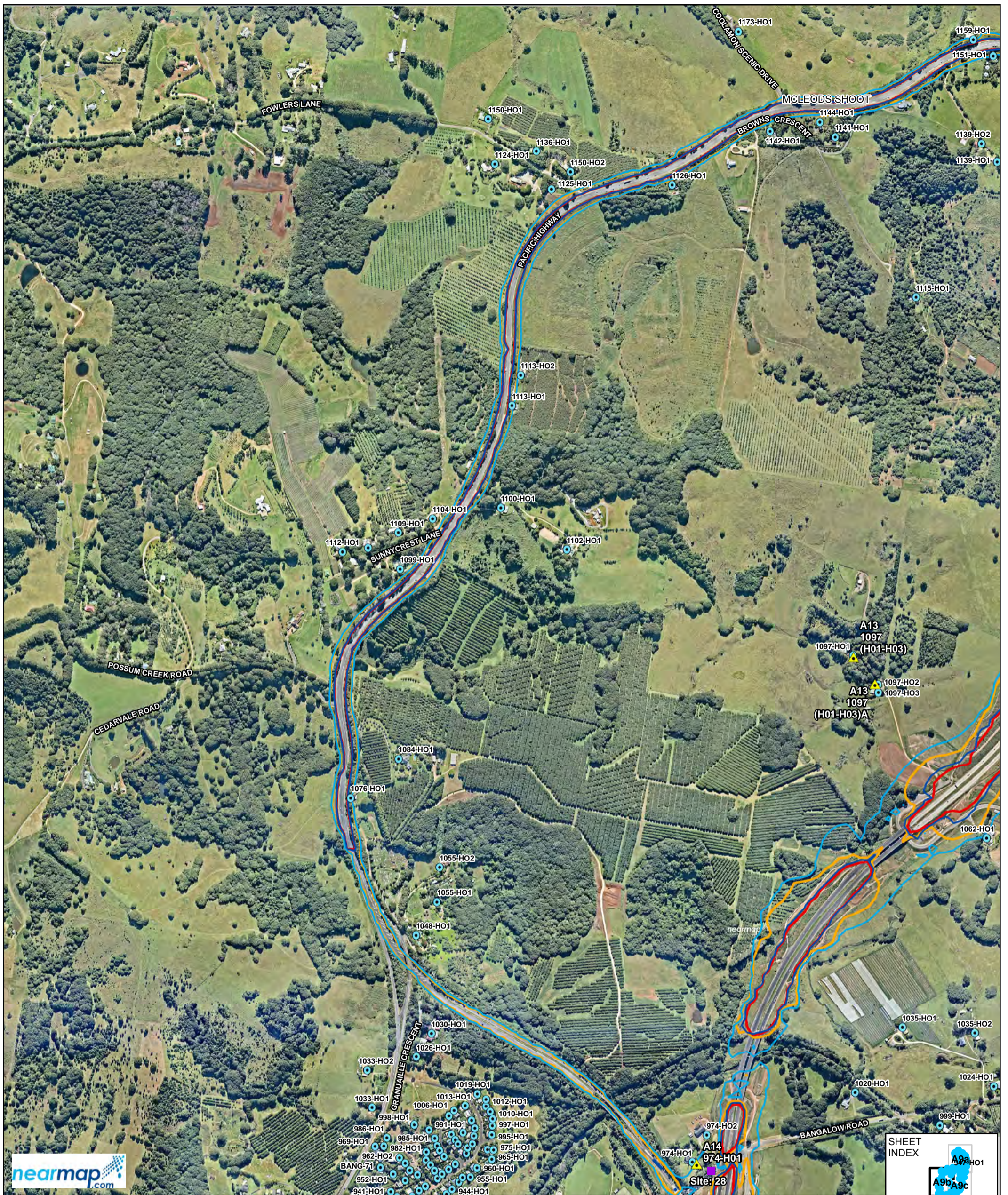


Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

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Noise results comparison Night: Detailed design 2024 and As-built 2026 Figure A9a

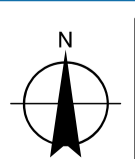
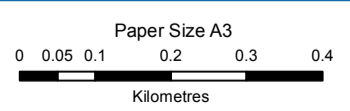


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	60 dBA	65 dBA
▲	Unattended monitoring	60 dBA	65 dBA
■	Traffic monitoring	2026 - Sound pressure level, LAeq (9 hour)	
☀	Weather Station	60 dBA	65 dBA
●	Receiver	60 dBA	65 dBA

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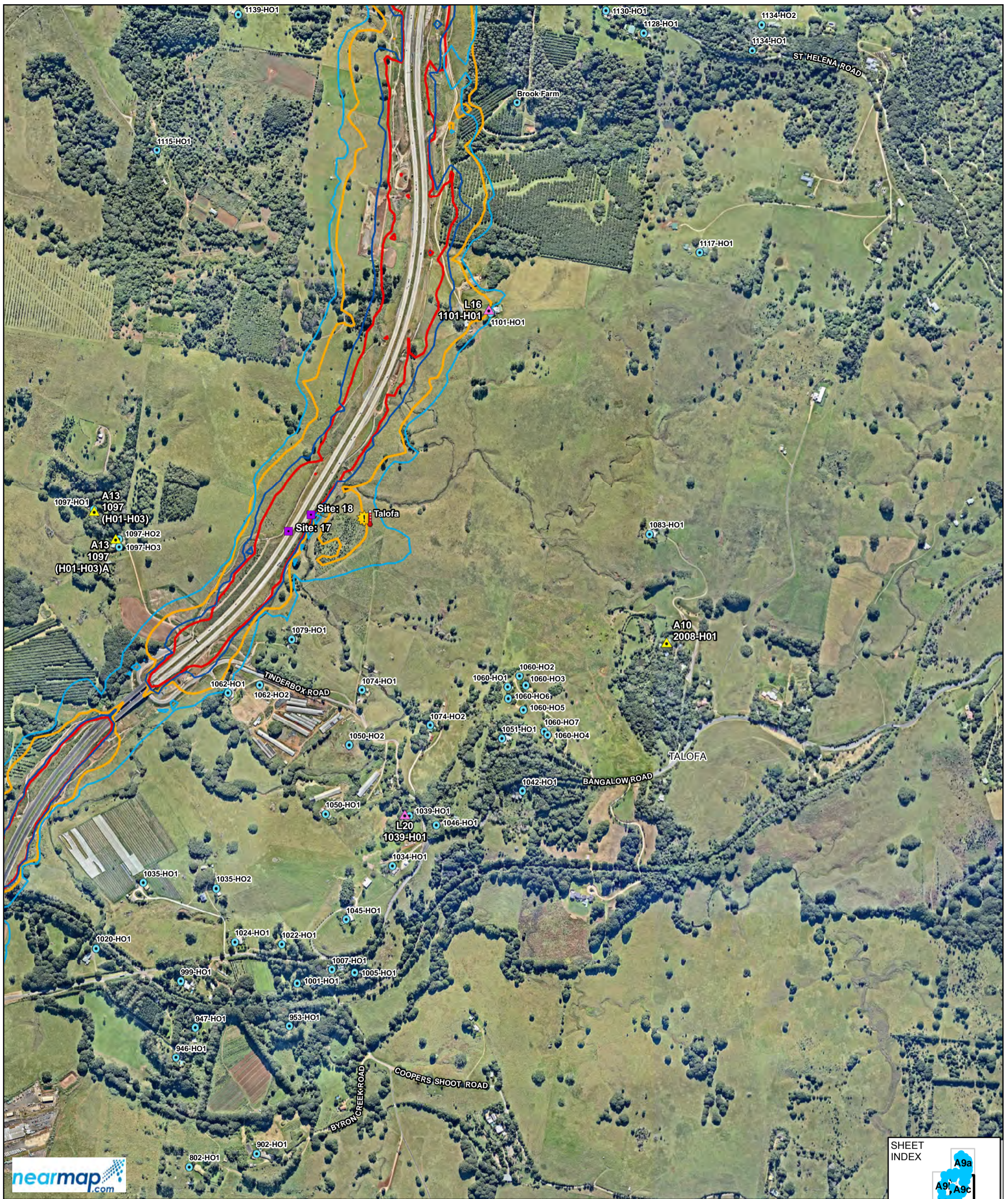


Roads and Maritime Services
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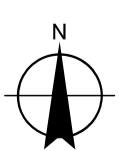
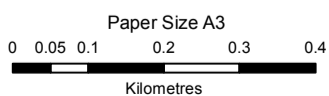
**Noise results comparison
Night: Detailed design 2024 and As-built 2026 Figure A9b**

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LEGEND	
Description of Monitoring	
	Attended monitoring
	Unattended monitoring
	Traffic monitoring
	Weather Station
	Receiver
2024 - Sound pressure level, LAeq (9 hour)	
	60 dBA
	65 dBA
2026 - Sound pressure level, LAeq (9 hour)	
	60 dBA
	65 dBA



Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 56

Roads and Maritime Services
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Noise results comparison Night: Detailed design 2024 and As-built 2026 Figure A9c

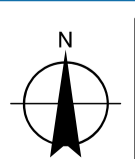
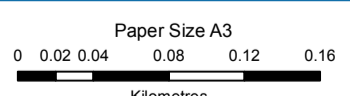


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	Light Blue	60 dBA
△	Unattended monitoring	Dark Blue	65 dBA
■	Traffic monitoring	Light Orange	60 dBA
☀	Weather Station	Dark Orange	65 dBA
●	Receiver		

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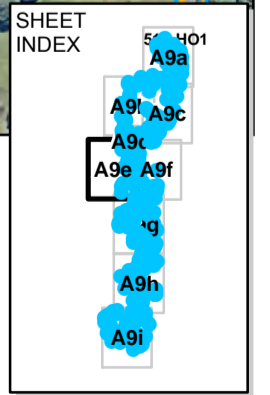


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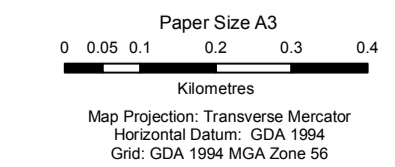
Noise results comparison Night: Detailed design 2024 and As-built 2026 Figure A9d

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LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	60 dBA	
▲	Unattended monitoring	65 dBA	
■	Traffic monitoring	2026 - Sound pressure level, LAeq (9 hour)	
☀	Weather Station	60 dBA	
●	Receiver	65 dBA	



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Noise results comparison Night: Detailed design 2024 and As-built 2026 Figure A9e

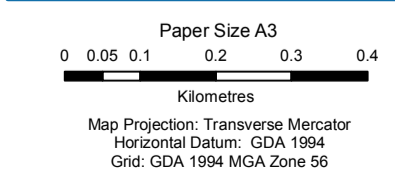


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	60 dBA	
▲	Unattended monitoring	65 dBA	
■	Traffic monitoring		
☀	Weather Station	2026 - Sound pressure level, LAeq (9 hour)	
●	Receiver	60 dBA	
		65 dBA	

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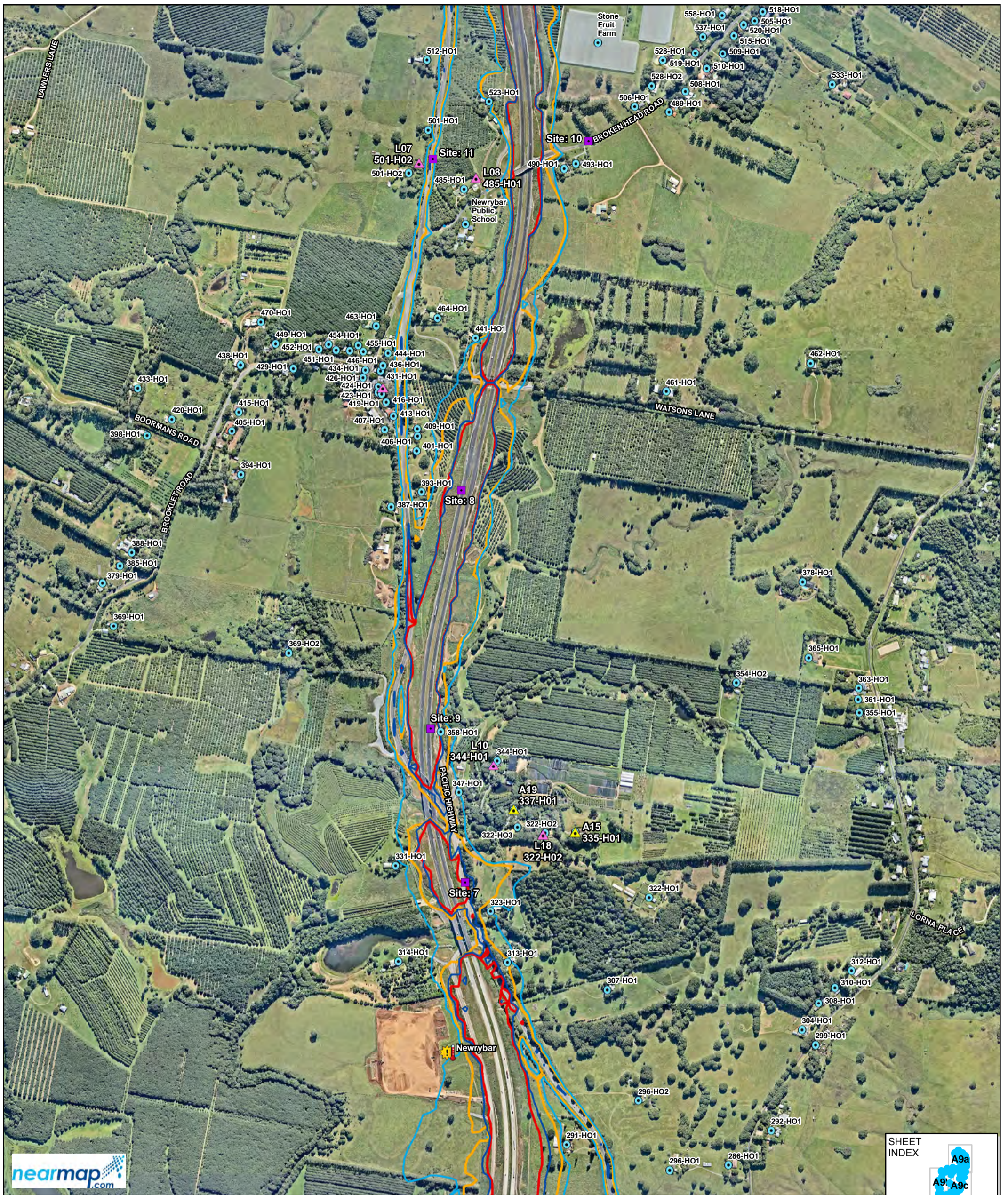


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Noise results comparison
Night: Detailed design 2024 and As-built 2026 **Figure A9f**

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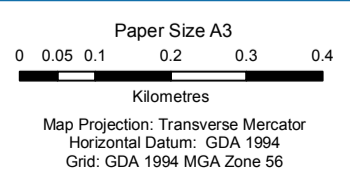


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	60 dBA	
▲	Unattended monitoring	65 dBA	
■	Traffic monitoring	2026 - Sound pressure level, LAeq (9 hour)	
☀	Weather Station	60 dBA	
●	Receiver	65 dBA	

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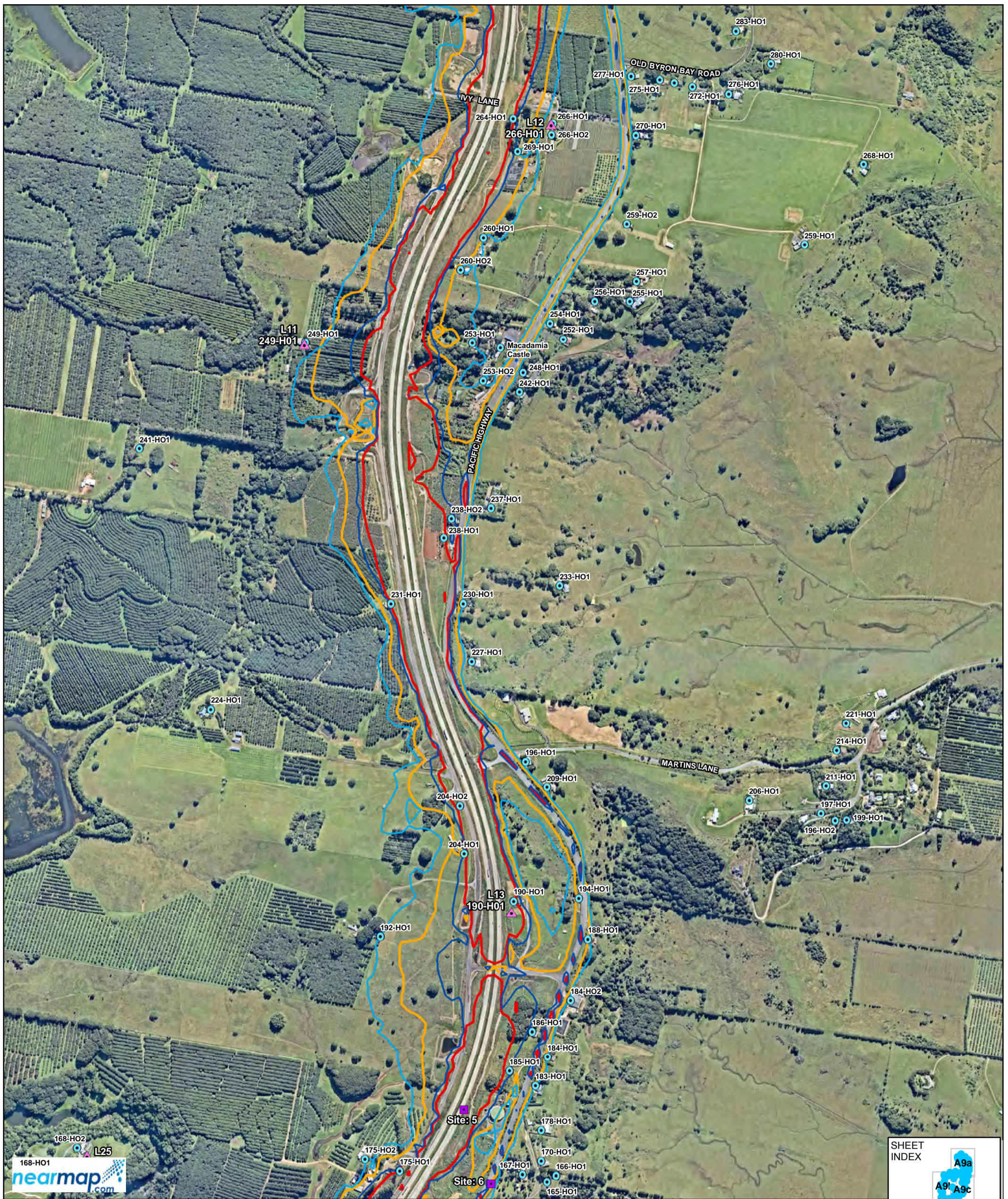


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Noise results comparison Night: Detailed design 2024 and As-built 2026 Figure A9g

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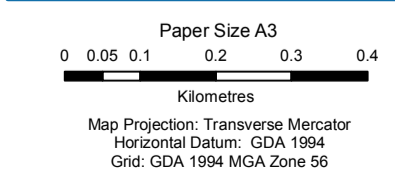


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	60 dBA	
▲	Unattended monitoring	65 dBA	
■	Traffic monitoring	2026 - Sound pressure level, LAeq (9 hour)	
☀	Weather Station	60 dBA	
●	Receiver	65 dBA	

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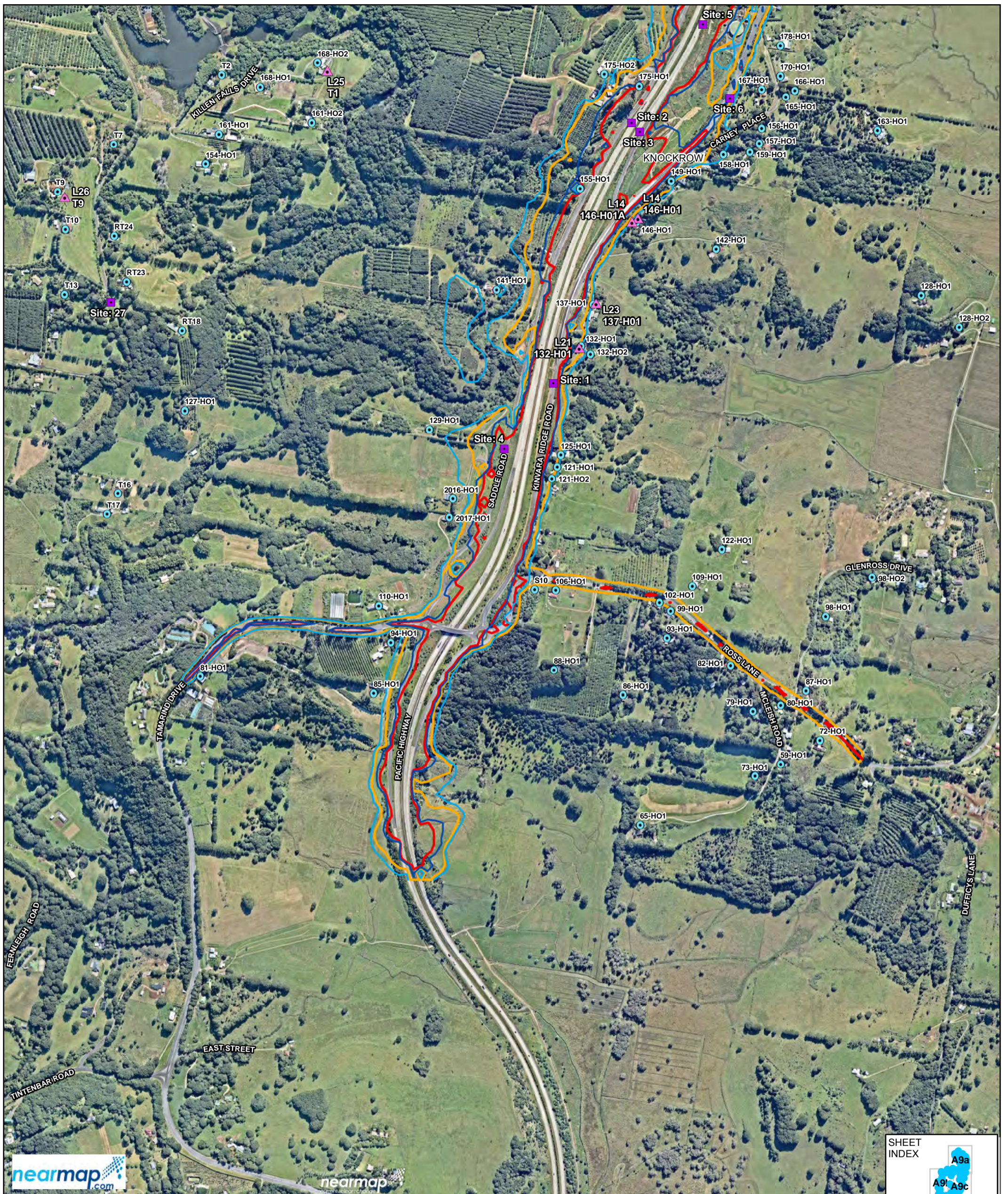


Roads and Maritime Services
T2E Post Construction Noise Monitoring

Job Number 22-18466
Revision 0
Date 09 Feb 2017

**Noise results comparison
Night: Detailed design 2024 and As-built 2026 Figure A9h**

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A010_NoiseContour_Night_2026_comparison_DDP_0.mxd
Level 3, GHD Tower, 24 Honeysuckle Drive, Newcastle NSW 2300 T 61 2 4979 9999 F 61 2 4979 9988 E ntmail@ghd.com W www.ghd.com.au
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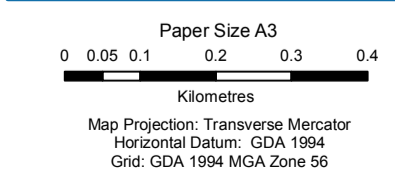


LEGEND

Description of Monitoring		2024 - Sound pressure level, LAeq (9 hour)	
▲	Attended monitoring	60 dBA	
△	Unattended monitoring	65 dBA	
■	Traffic monitoring	2026 - Sound pressure level, LAeq (9 hour)	
☀	Weather Station	60 dBA	
●	Receiver	65 dBA	

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Roads and Maritime Services
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Noise results comparison
Night: Detailed design 2024 and As-built 2026 **Figure A9i**

G:\2218466\GIS\Maps\Deliverables\Appendix\Version2\2218466_V2A010_NoiseContour_Night_2026_comparison_DDP_0.mxd
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