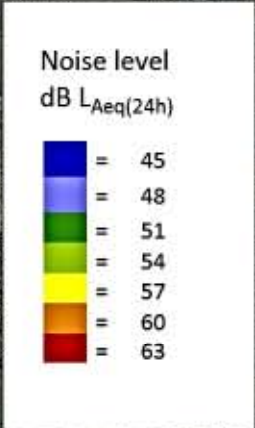
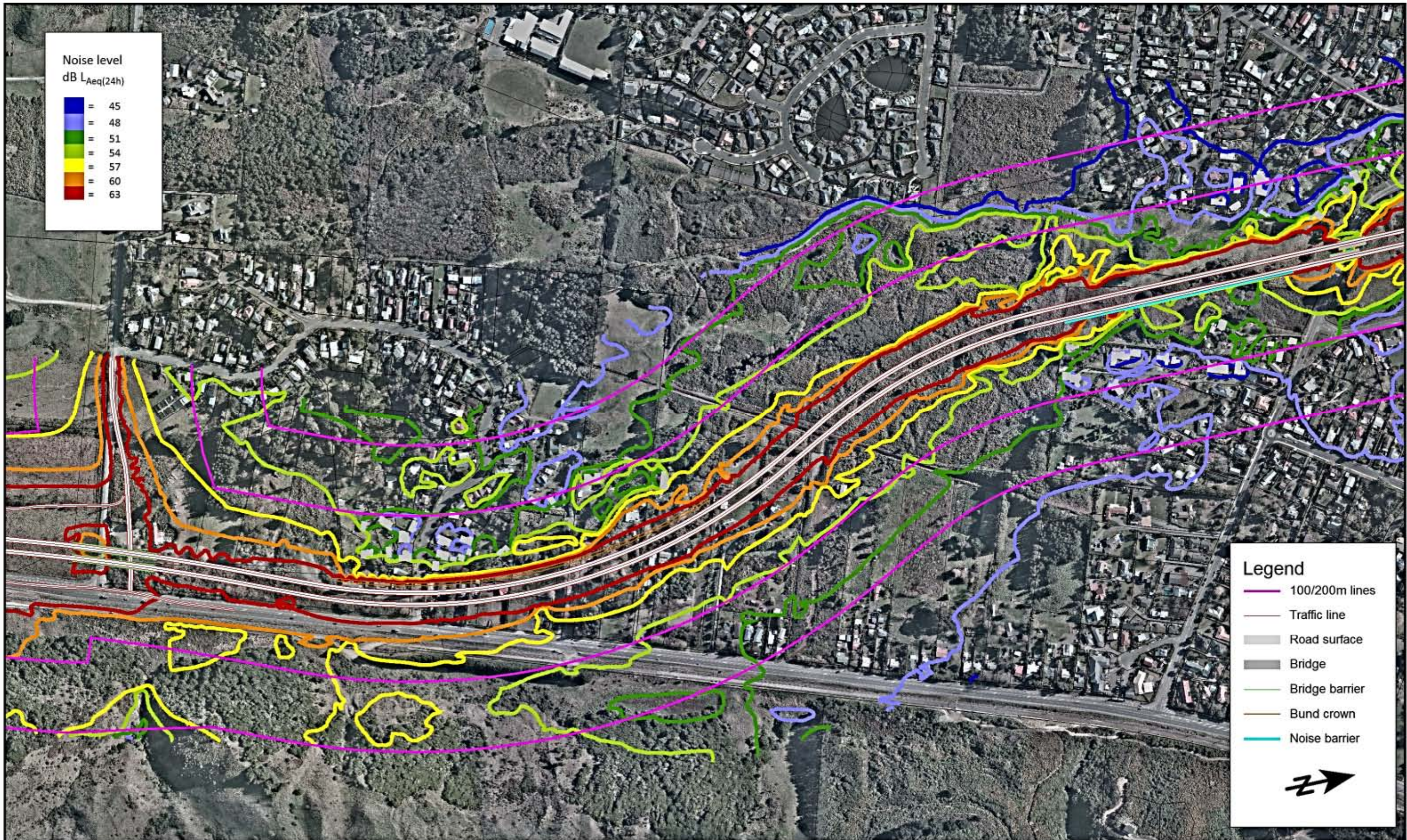


**ANNEXURE C: NOISE LEVEL CONTOURS (PROJECT INCLUDING  
SELECTED MITIGATION OPTIONS) AND ASSESSMENT EXTENT  
INDICATORS (100 M AND 200 M FROM THE ALIGNMENT)**

**Figures EN-NV-220 to EN-NV-228**



Initials: SW  
Date: 18/8/2011  
Calculation No: 1010

A3 Scale 1:5000  
0 25 50 100 150 200 m

**MARSHALL DAY**  
Acoustics

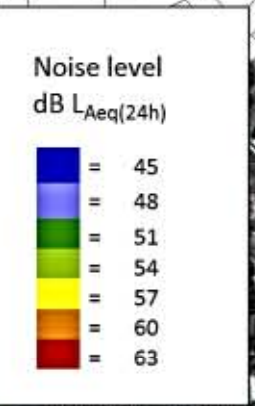
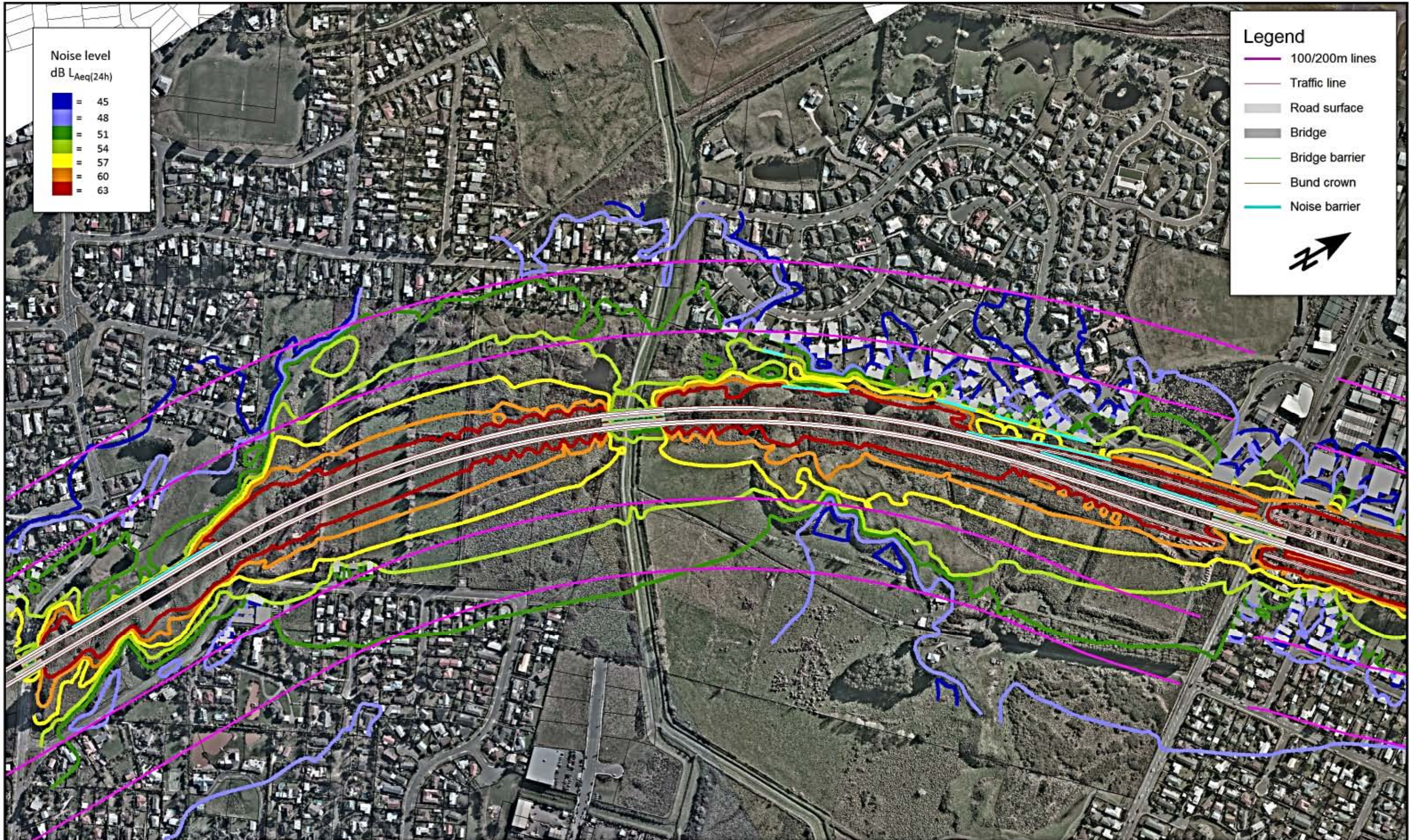
**Mackays to Peka Peka**

**MACKAYS TO PEKA PEKA EXPRESSWAY**  
**Sector 1**  
**Preferred Mitigation Options**

NOISE LEVEL  
CONTOURS  
SHEET 1 OF 9

Document Set:  
M2PP-AEE-DWG

Drawing No.:  
**EN-NV-220**



**Legend**

- 100/200m lines
- Traffic line
- Road surface
- Bridge
- Bridge barrier
- Bund crown
- Noise barrier

Initials: SW  
Date: 20/8/2011  
Calculation No: 1020

A3 Scale 1:5000  
0 25 50 100 150 200 m

**MARSHALL DAY**  
Acoustics

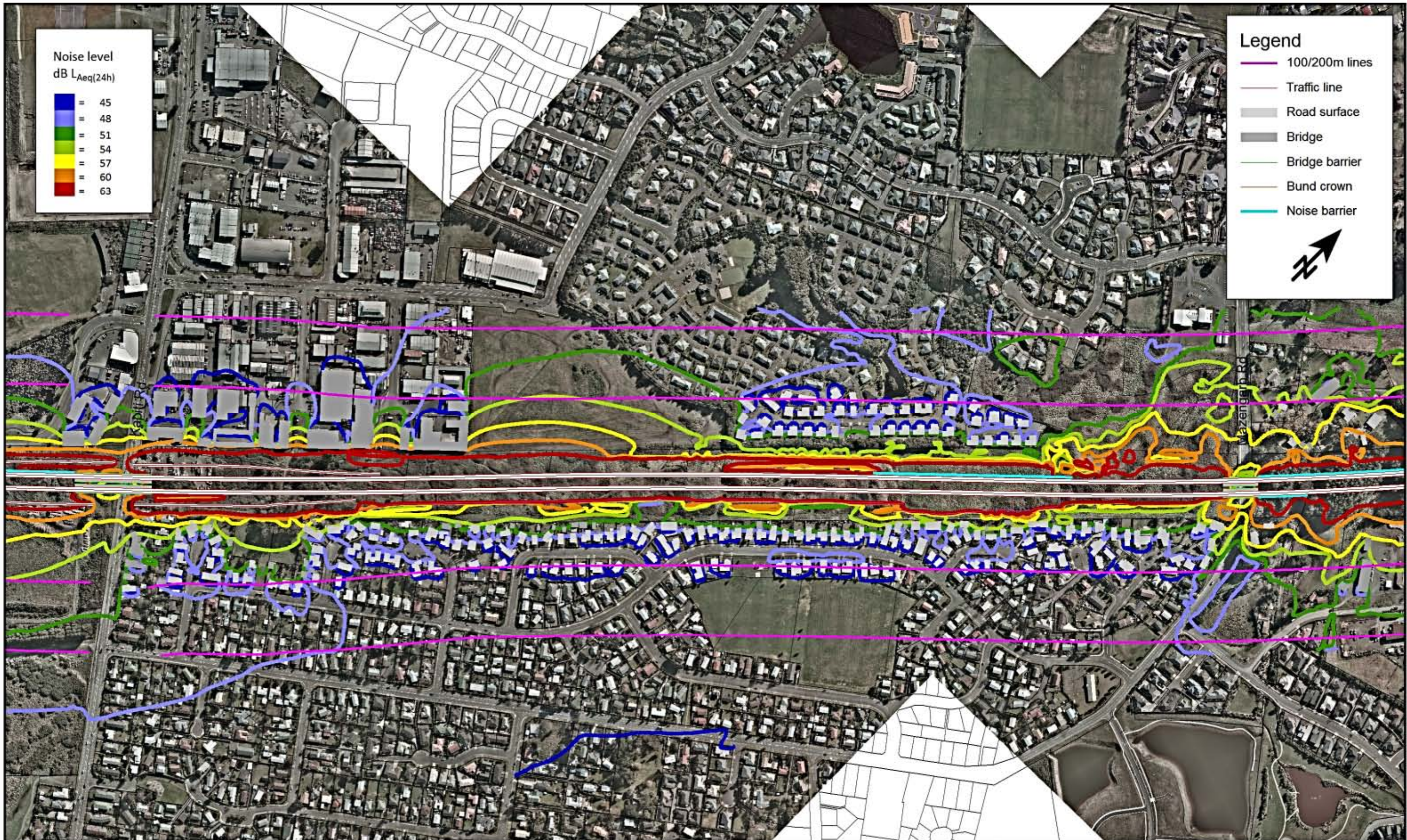
**Mackays to Peka Peka**

**MACKAYS TO PEKA PEKA EXPRESSWAY**  
**Sector 2**  
**Preferred Mitigation Options**

NOISE LEVEL  
CONTOURS  
SHEET 2 OF 9

Document Set:  
M2PP-AEE-DWG

Drawing No.:  
EN-NV-221



Initials: SW  
Date: 20/8/2011  
Calculation No: 1020

**MARSHALL DAY**  
Acoustics

NO TRANSPORT AGENCY  
Mackays to Peka Peka

**MACKAYS TO PEKA PEKA EXPRESSWAY**  
**Sector 2**  
**Preferred Mitigation Option**

NOISE LEVEL  
CONTOURS  
SHEET 3 OF 9

Document Set:  
M2PP-AEE-DWG  
  
Drawing No.:  
EN-NV-222

A3 Scale 1:5000  
0 25 50 100 150 200 m

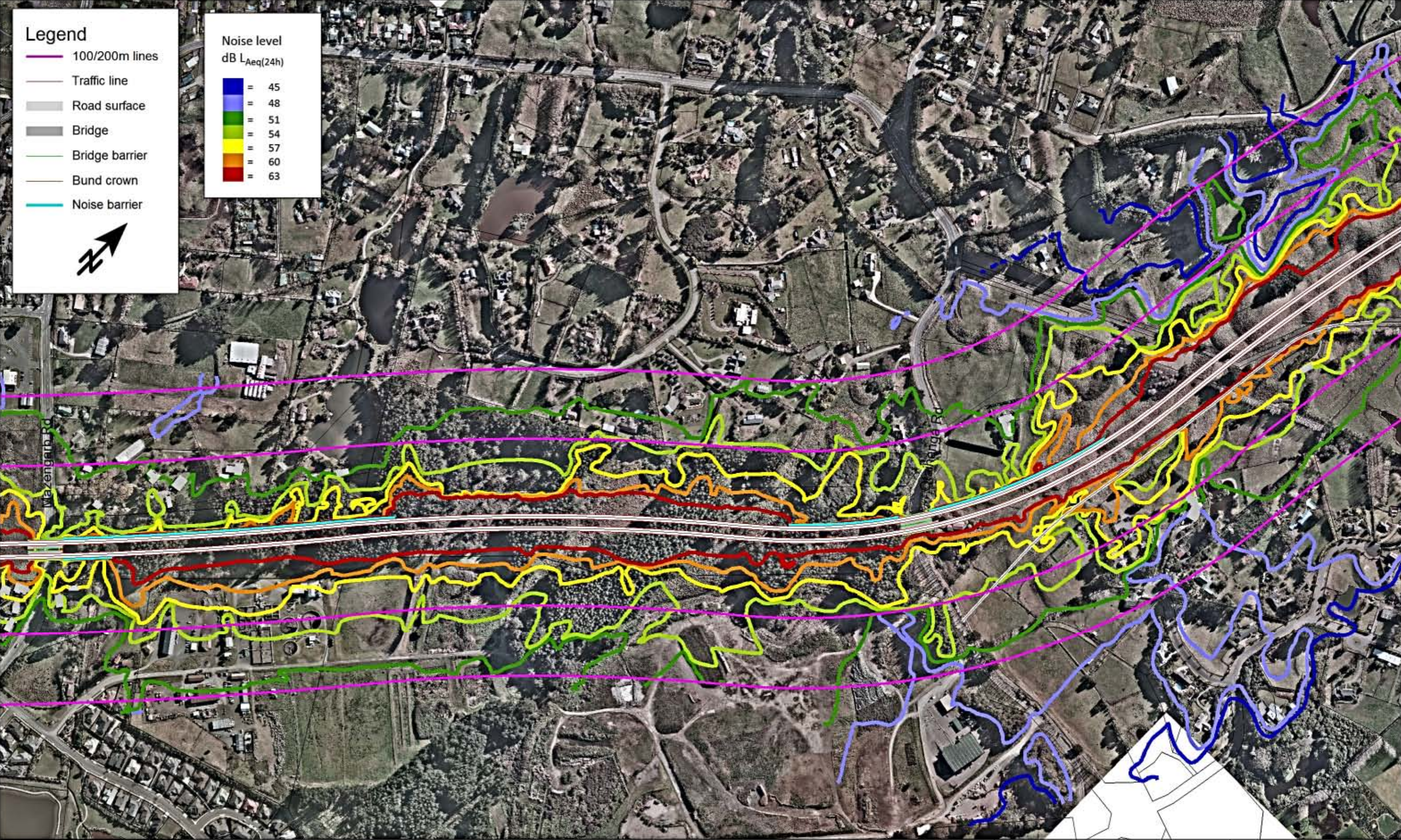
**Legend**

- 100/200m lines
- Traffic line
- Road surface
- Bridge
- Bridge barrier
- Bund crown
- Noise barrier



**Noise level  
dB L<sub>Aeq</sub>(24h)**

- █ = 45
- █ = 48
- █ = 51
- █ = 54
- █ = 57
- █ = 60
- █ = 63



Initials: SW  
Date: 20/8/2011  
Calculation No: 1030

A3 Scale 1:5000  
0 25 50 100 150 200 m

**MARSHALL DAY**   
Acoustics

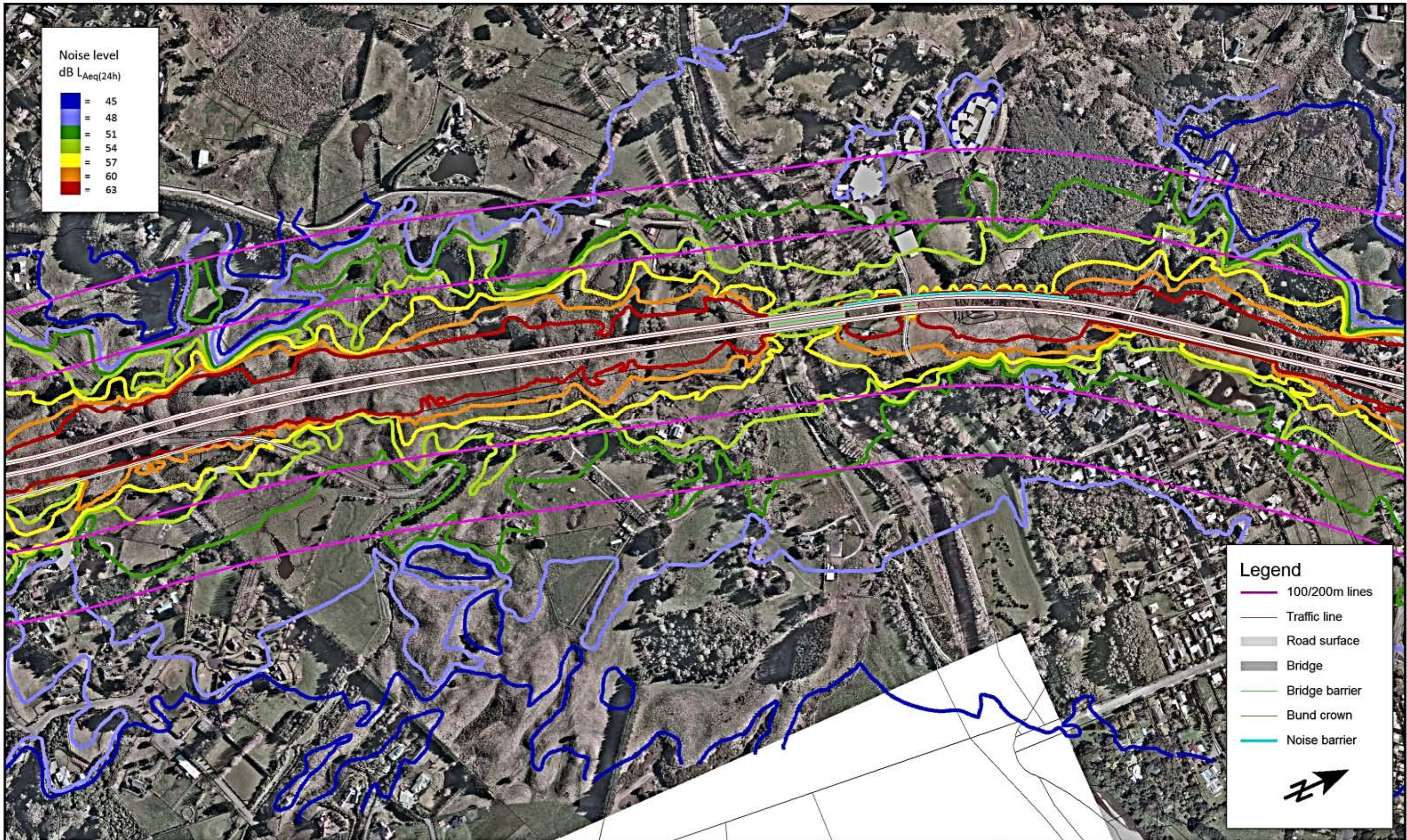
**Mackays to Peka Peka**

**MACKAYS TO PEKA PEKA EXPRESSWAY**  
**Sector 3**  
**Preferred Mitigation Options**

NOISE LEVEL  
CONTOURS  
SHEET 4 OF 9

Document Set:  
M2PP-AEE-DWG

Drawing No.:  
**EN-NV-223**



Initials: SW  
Date: 20/8/2011  
Calculation No: 1030

**MARSHALL DAY**  
Acoustics

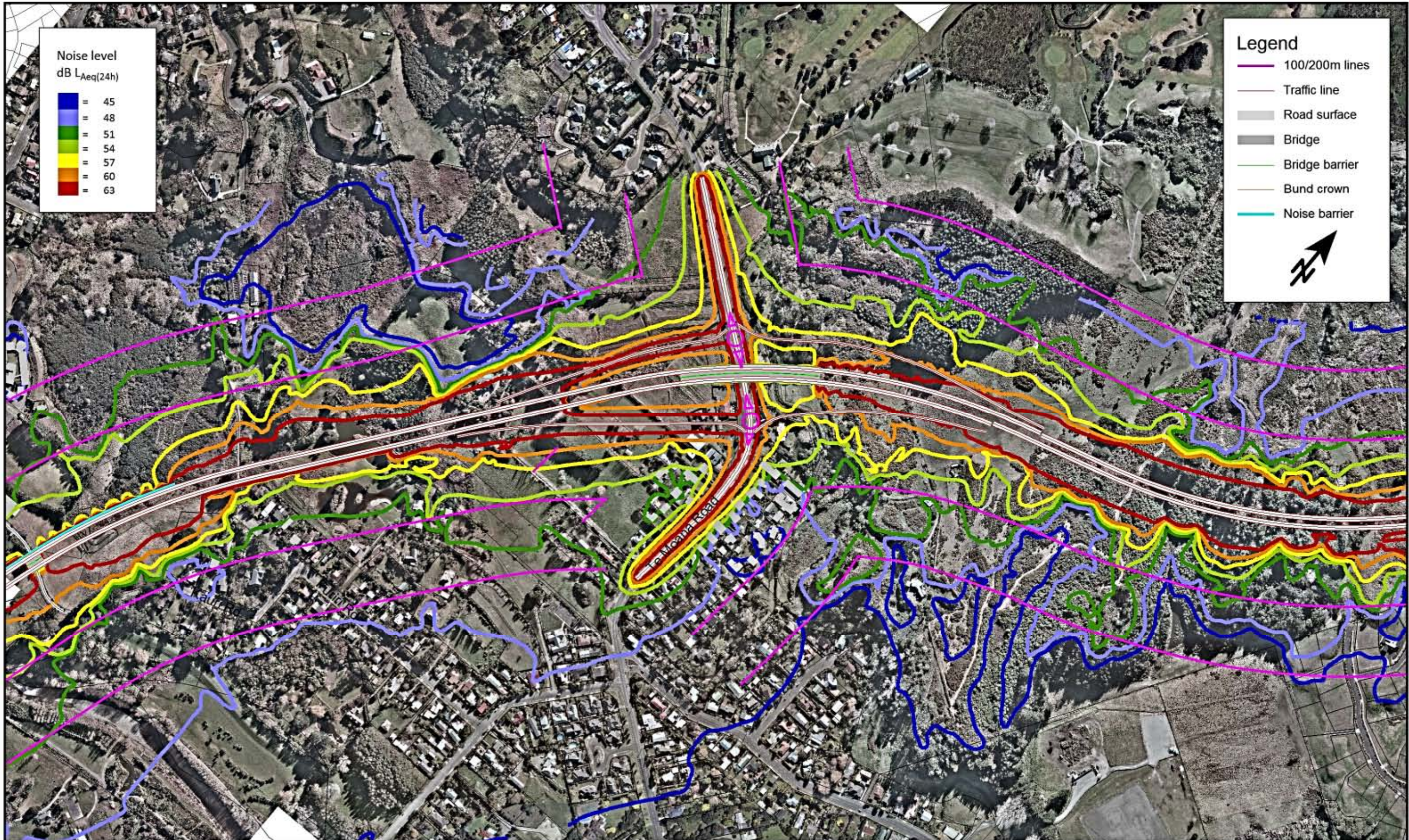
NO TRANSPORT AGENCY  
Mackays to Peka Peka

**MACKAYS TO PEKA PEKA EXPRESSWAY**  
**Sector 3**  
**Preferred Mitigation Options**

NOISE LEVEL  
CONTOURS  
SHEET 5 OF 9

Document Set:  
M2PP-AEE-DWG  
  
Drawing No.:  
EN-NV-224

A3 Scale 1:5000  
0 25 50 100 150 200 m



Initials: SW  
 Date: 20/8/2011  
 Calculation No: 1030

A3 Scale 1:5000  
 0 25 50 100 150 200 m

**MARSHALL DAY**   
 Acoustics

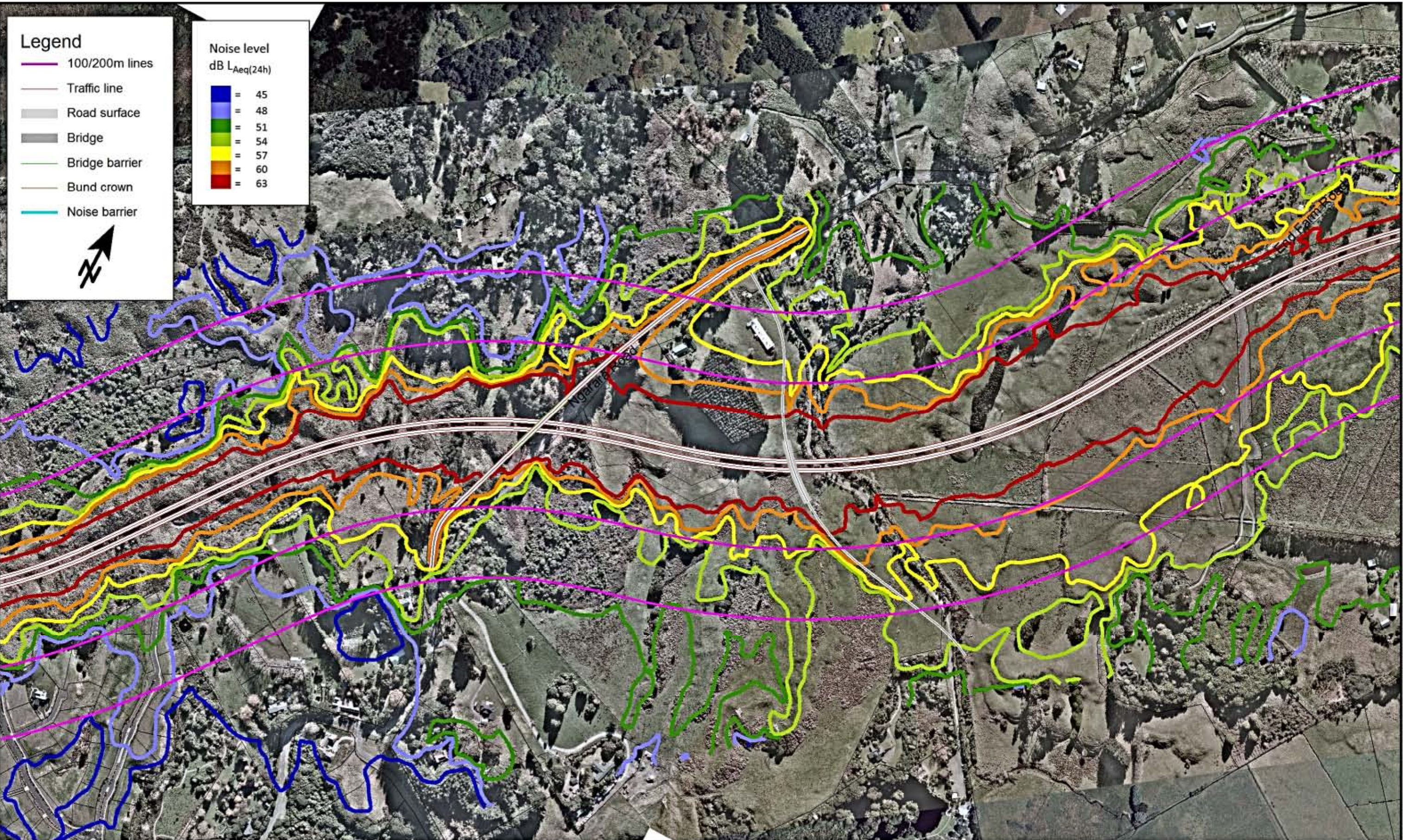
 **Mackays to Peka Peka**

**MACKAYS TO PEKA PEKA EXPRESSWAY**  
 Sector 3  
 Preferred Mitigation Options

NOISE LEVEL  
 CONTOURS  
 SHEET 6 OF 9

Document Set:  
 M2PP-AEE-DWG

Drawing No.:  
 EN-NV-225



Initials: SW  
 Date: 20/8/2011  
 Calculation No: 1042

A3 Scale 1:5000  
 0 25 50 100 150 200 m

**MARSHALL DAY**  
 Acoustics

NO TRANSPORT AGENCY  
 Mackays to Peka Peka

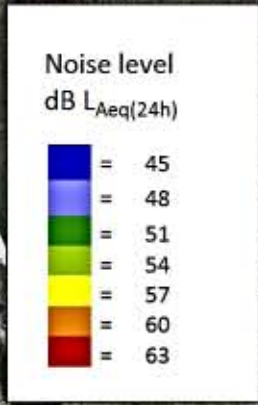
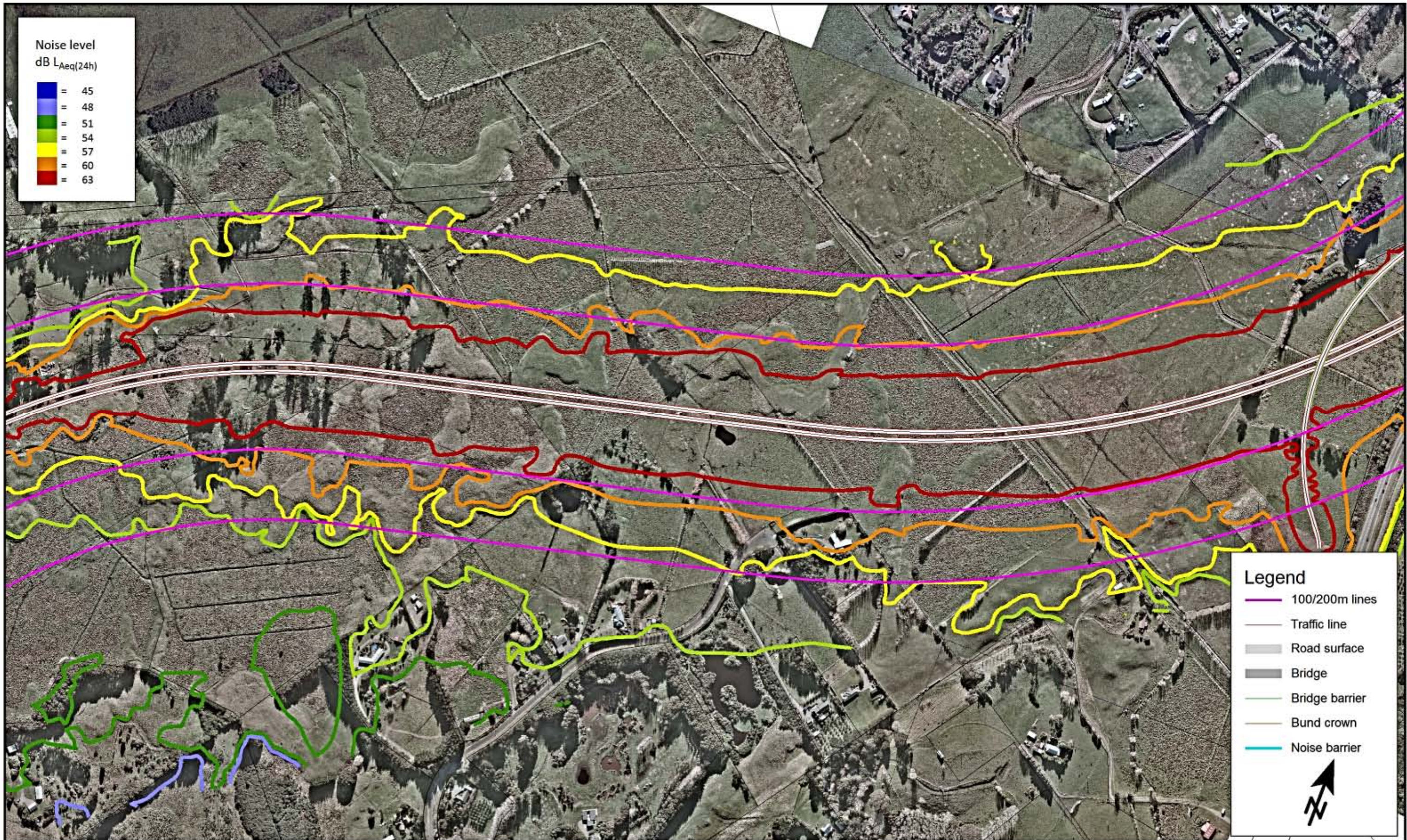
**MACKAYS TO PEKA PEKA EXPRESSWAY**  
 Sector 4  
 Preferred Mitigation Options

NOISE LEVEL  
 CONTOURS  
 SHEET 7 OF 9

Document Set:  
 M2PP-AEE-DWG

Drawing No.:  
 EN-NV-226





**Legend**

- 100/200m lines
- Traffic line
- Road surface
- Bridge
- Bridge barrier
- Bund crown
- Noise barrier

Initials: SW  
Date: 20/8/2011  
Calculation No: 1040

A3 Scale 1:5000  
0 25 50 100 150 200 m

**MARSHALL DAY**  
Acoustics

Mackays to Peka Peka

**MACKAYS TO PEKA PEKA EXPRESSWAY**  
**Sector 4**  
**Preferred Mitigation Options**

NOISE LEVEL  
CONTOURS  
SHEET 8 OF 9

Document Set:  
M2PP-AEE-DWG

Drawing No.:  
EN-NV-227

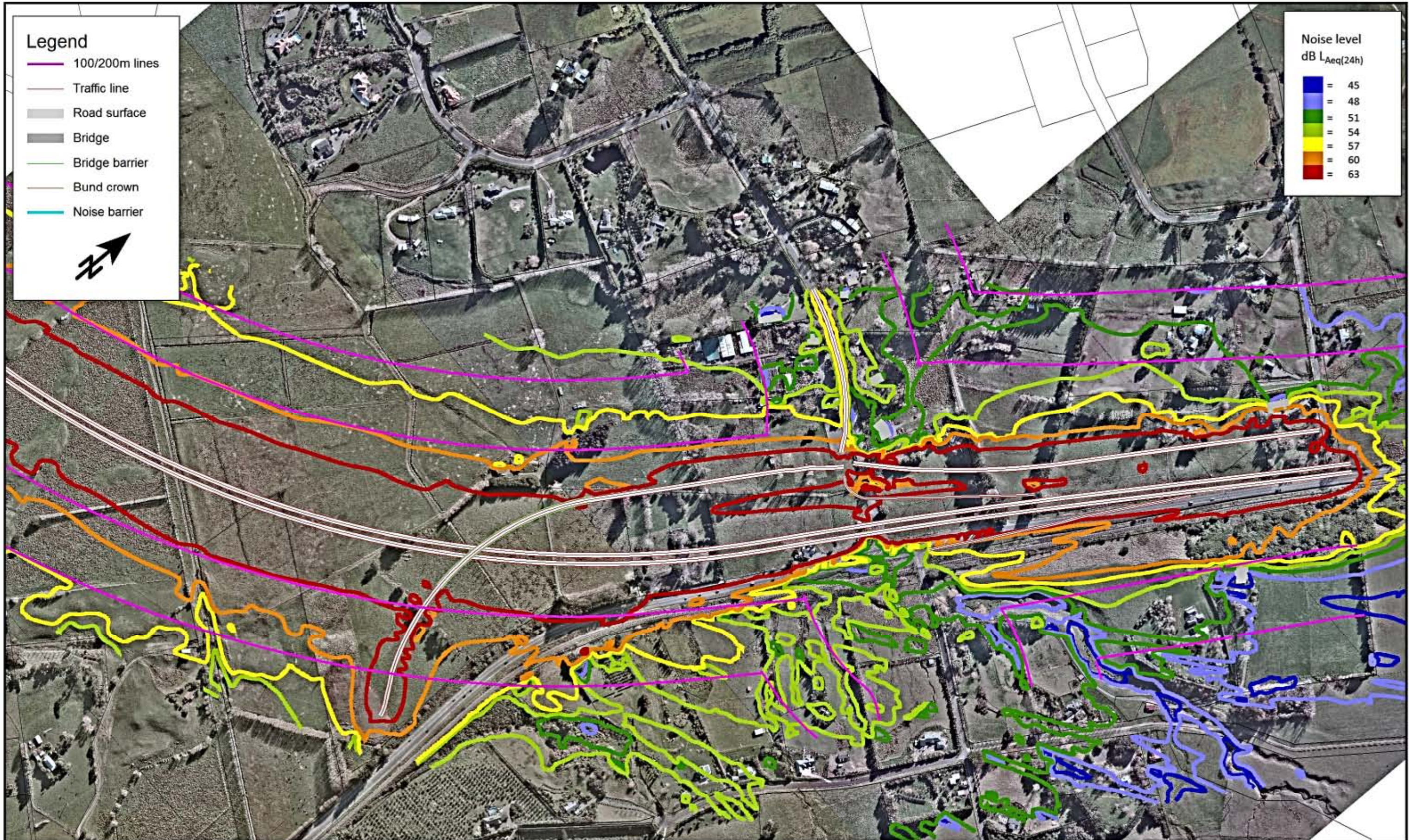
**Legend**

- 100/200m lines
- Traffic line
- Road surface
- Bridge
- Bridge barrier
- Bund crown
- Noise barrier



**Noise level  
dB L<sub>Aeq</sub>(24h)**

- = 45
- = 48
- = 51
- = 54
- = 57
- = 60
- = 63



Initials: SW  
Date: 20/8/2011  
Calculation No: 1040

**MARSHALL DAY**  
Acoustics

**NO TRANSPORT AGENCY**  
Mackays to Peka Peka

**MACKAYS TO PEKA PEKA EXPRESSWAY  
Sector 4  
Preferred Mitigation Options**

NOISE LEVEL  
CONTOURS  
SHEET 9 OF 9

Document Set:  
M2PP-AEE-DWG

Drawing No.:  
EN-NV-228

A3 Scale 1:5000  
0 25 50 100 150 200 m