



Ref: L11515/PAK/06-175

25 March 2015

Harridan Pty Ltd  
PO Box 4516  
Loganholme QLD 4129

**Attention: Mr Wade Mellish**

Dear Wade

**Re: Revised Acoustic Assessment as per Condition 6.1 of Court Order  
BD 1034 of 2008 dated 5 November 2010  
Muller Street, Redland Bay**

As per your request and under condition 6.1 of the Court order BD1034 of 2008, dated 5 November 2010, a revised acoustic assessment was carried out for the proposed residential subdivision at 46 Muller Street in Redland Bay due to amendments in the civil engineering design.

The revised acoustic assessment considered the new civil engineering base plan (X-5940-Combined Base.dwg) as provided by MPN Consulting Pty Ltd on 3 March 2015. The civil engineering plan was imported into a SoundPLAN model which was previously used for the original noise report titled, Traffic Noise Assessment for Proposed Residential Subdivision, 46 Muller Street, Redland Bay, Ref: L21107/PAK/06-175, Dated 23 May 2007.

Condition 6.1 of the Court Order states:

**6.1 Acoustic Assessment**

Provide an amended noise report taking into consideration the comments outlined in the report Joint Statement of Experts, Harridan Pty Ltd, Redland Shire Council and Chief Executive Department of Main Roads, Planning and Environment Court, Item (f) No. 1034 of 2008, Dated 21 December 2009. The original noise report Traffic Noise Assessment for Proposed Residential Subdivision, 46 Muller Street Redland Bay, Prepared by Max Winders & Associates, Prepared for Harridan Pty Ltd, Ref: L21107/PAK/06-175, Dated 23 May 2007 is based on an old layout plan and therefore requires amendment. Submit a revised acoustic assessment to Council to the satisfaction of the Team Leader Health and Environment, prior to an application for Operational Works. The written format of the revised acoustic assessment must be based on the level of amendment or changes to the noise report with any significant changes being detailed within a revised acoustic report and minor changes being addressed via a letter from the acoustic consultant.

The results of this revised acoustic assessment conclude that the noise levels at the proposed allotments have not increased due to changes in the civil design. No noticeable changes in the noise amenity is predicted over the site, as per Department of Transport and Mains Roads (TMR) and Redland Shire Council (RSC) noise criterion.

There are thus no changes required to the acoustic design as compared to the approved acoustic report dated 23 May 2007.

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Attached is the SoundPLAN noise propagation model output assessed against TMR, and RCC criterion as per previous noise reports. In addition Queensland Development Code MP 4.4 modelling has been provided.

We trust the above is suitable for your present requirements and if you require any further information please contact the undersigned.

Yours sincerely

A handwritten signature in black ink, appearing to be 'PKg', written in a cursive style.

Paul King  
**Senior Acoustic Engineer**

**Attachment 1**

**Updated SoundPLAN Output Plots**

### Signs and symbols

- Line
- Road axis
- Wall
- Elevation line

Leq (1 hour) 6am to 10pm  
Traffic Noise level  
in dB(A)



46 Muller Street  
Redland Bay  
Proposed Subdivision

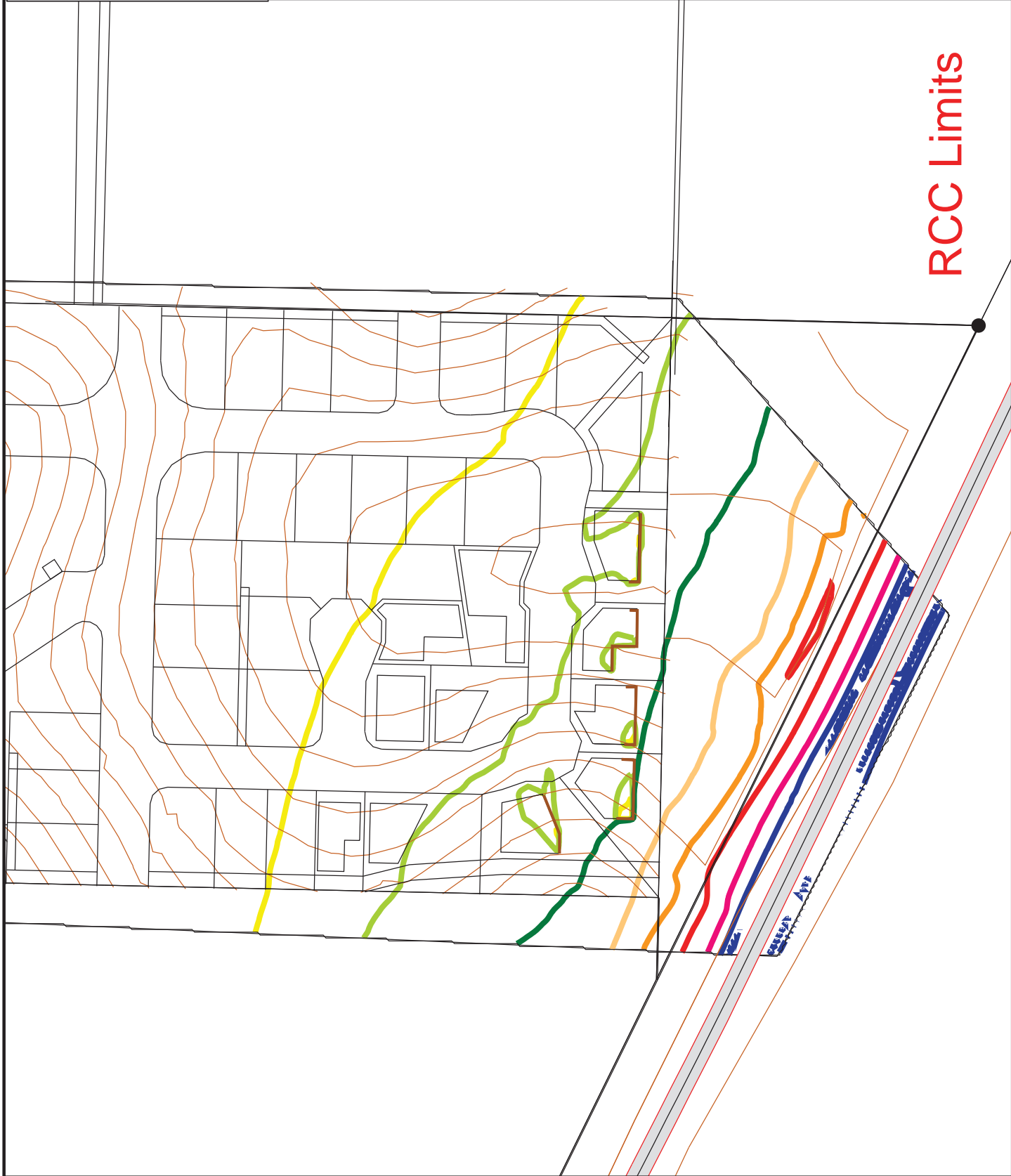
Leq (1 hour) Traffic Noise Levels  
Ground Level

Criteria - 55 dB(A) Leq (1hr)  
6am to 10pm

Natural Surface Level with  
Lots 37 to 40 Pad Levels

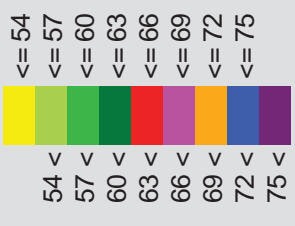
With 2m high Lot Barriers

24 March 2015

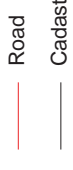


**RCC Limits**

Noise level  
L10(18hr)  
incl. facade reflection  
in dB(A)



Legend



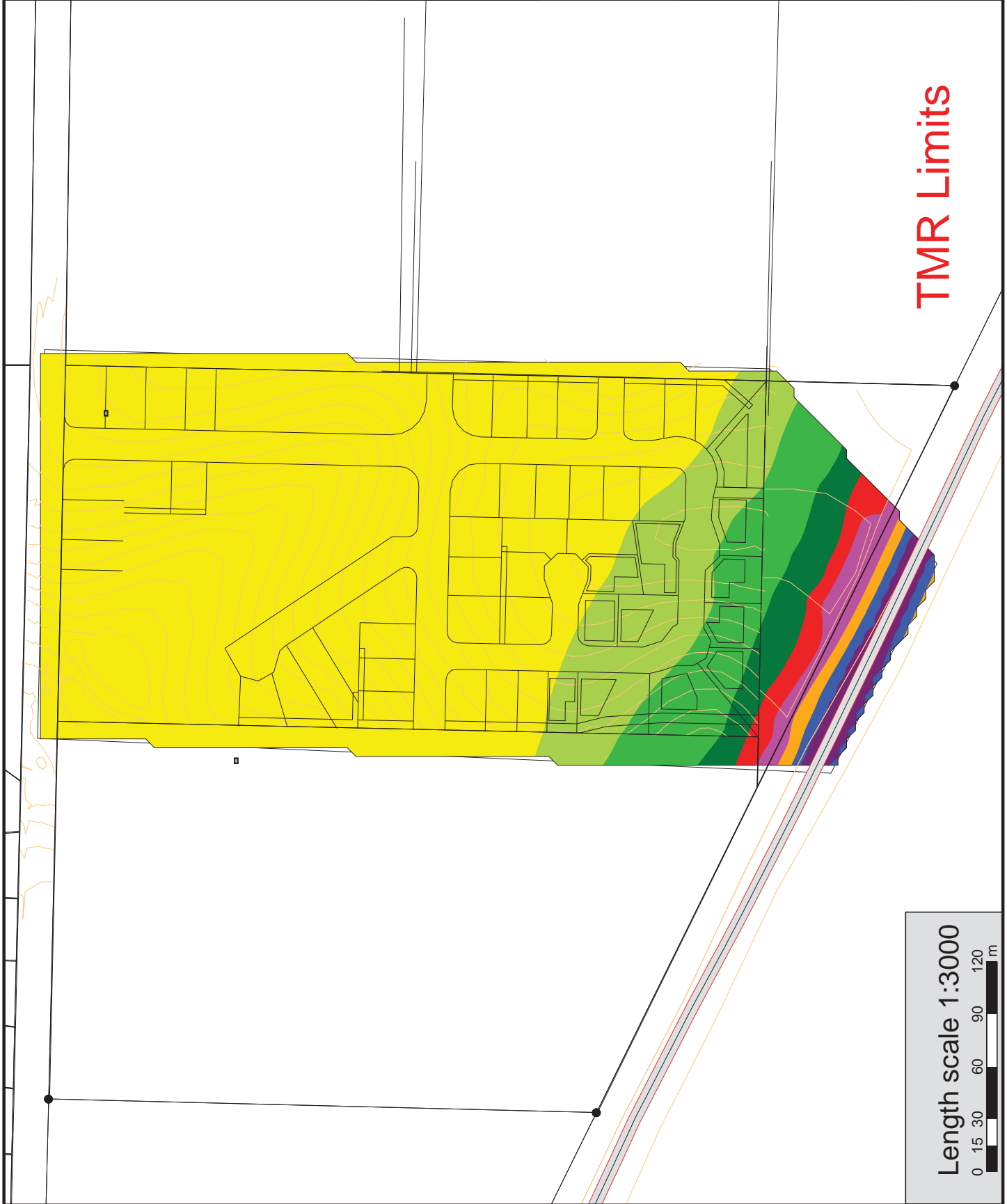
Redland Bay 06-175

46 Muller Street

Year 2016 Traffic Noise

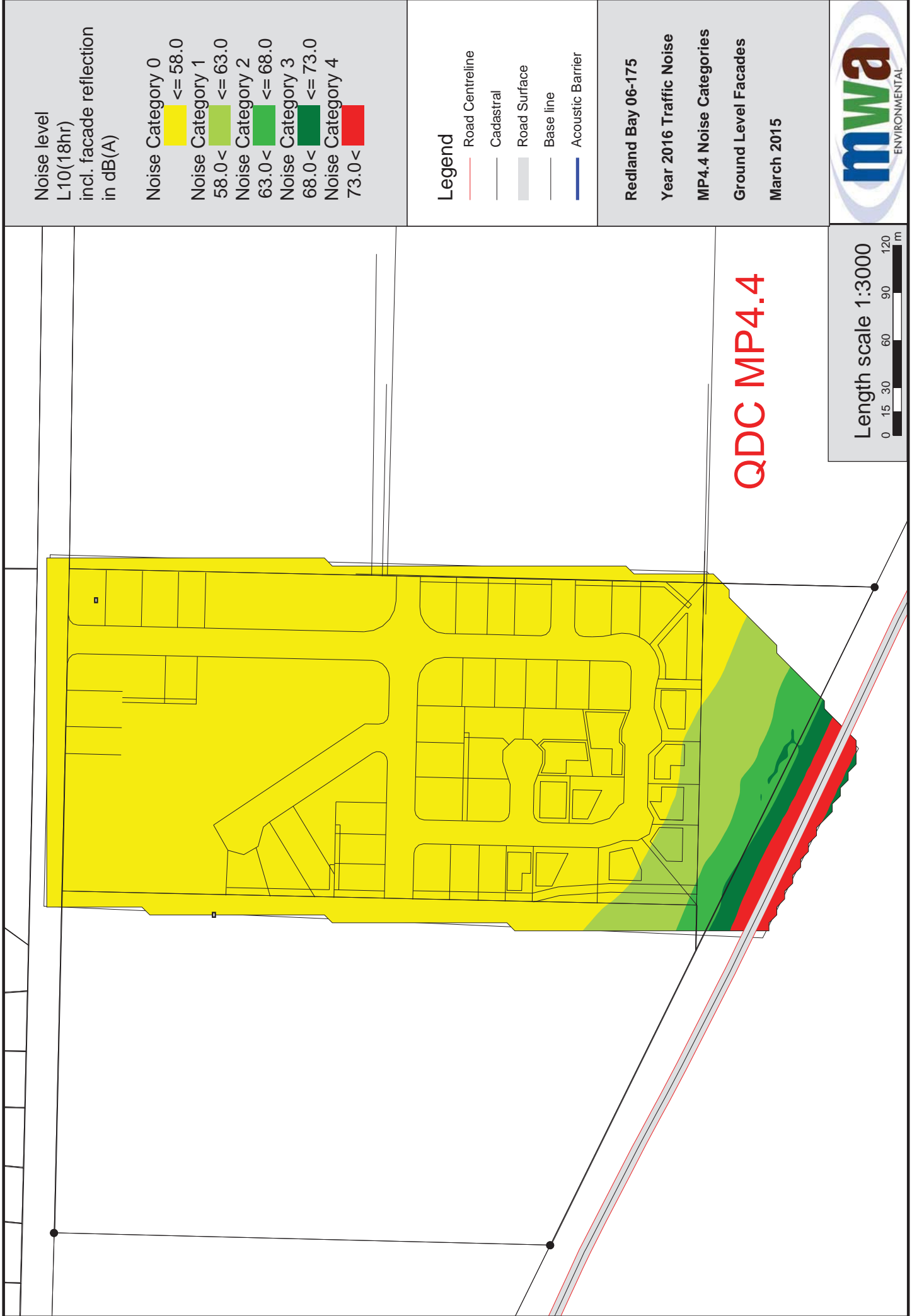
Ground Floor Facades

March 2015



TMR Limits





# QDC MP4.4

Noise level  
L10(18hr)  
incl. facade reflection  
in dB(A)

- Noise Category 0   $\leq 58.0$
- Noise Category 1   $\leq 63.0$
- Noise Category 2   $\leq 68.0$
- Noise Category 3   $\leq 73.0$
- Noise Category 4   $\leq 73.0$

### Legend

- Road Centreline
- Cadastral
- Road Surface
- Base line
- Acoustic Barrier

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Year 2016 Traffic Noise

MP4.4 Noise Categories

Ground Level Facades

March 2015

