

To	Chair, MDC PMP Hearings Panel	Date	22/01/2019
CC	Norman Clifford, Donna Marris, Terry McGrail & Gavin Cooper	Job Number	NZ0118032
From	Laura Skilton		
Subject	Roundabout Designs at Burleigh Estate & Marris Land, Battys Road, Blenheim		

1. Introduction

This memo is a response to Minute 46 of the Proposed Marlborough Environment Plan Hearing Panel.

Minute 46 has requested the following:

- a) that Figure 22 of the proposed intersection design be redrawn to include property boundaries and information as to the ownership of the underlying land.
- b) that the submitters provide responses as to what, if any, steps have been taken to acquire the land necessary to be able to construct the roundabout depicted in Figure 22
- c) that Figure 24 be redrawn to include present property boundaries and information as to the ownership of the underlying land
- d) that the submitters provide responses as to what steps have been taken to acquire the land necessary to be able to construct the roundabout depicted in Figure 24.

Figure 22 and Figure 24 of my evidence depicted the intersection form used in the software used to analyse the intersection delays and level of service. They were diagrammatic only and did not show any of the road boundaries nor property details.

The Smart Map tool on Marlborough District Council's website was used to obtain an aerial photograph of the site.

It should be noted that the Minutes of the Hearing Panel states that I said "a 50 metre diameter roundabout should fit" however my actual words were a 15 metre roundabout should fit. This concurs with paragraph 115 of my evidence.

2. Battys Road / New Renwick Road

Figure 1 shows a schematic design of a roundabout at the intersection of Battys Road and New Renwick Road. The roundabout is drawn over an aerial photograph showing property access and property boundaries.

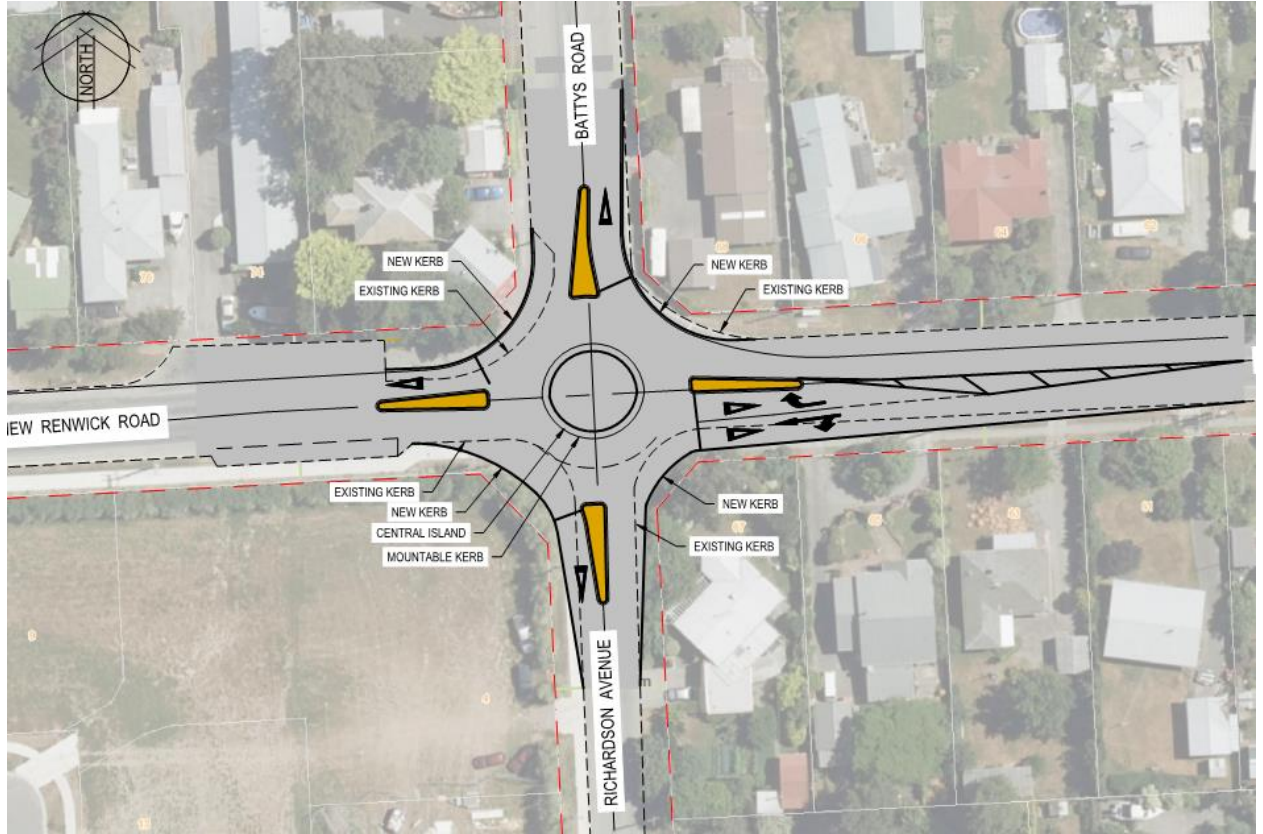
The red dotted line represents the property boundary. The black dotted lines existing kerbs, and black thick lines are new kerbs.

While there are no existing footpaths on the northern approach to the roundabout, a 1.5 m wide space has been allowed for between the kerb and the property boundary.

Two central islands have been provided, in a similar design to the existing roundabouts in Blenheim to allow a tighter tracking curve for cars and light trucks and a mountable island for semi-trailers and B-trains.

The roundabout can be constructed within the available road reserve.

Figure 1 Schematic Design – Batty / New Renwick Roundabout



The central roundabout diameter is 14 metres, which will allow for a 1.5 metre wide footpath around all four corners of the roundabout, without requiring any property acquisition.

The property details on the properties adjacent to the intersection are tabled below.

Table 1 Property details adjacent to Batty / New Renwick intersection

	Address	Property Number	Valuation Number	Legal Description
NW	72 New Renwick	528661	20331 37500	Pt LOT 3 DP 2209
NE	68 New Renwick	164101	20331 37100	LOT 12 DP 2626 BLK XVI CLOUDY BAY SD
SE	67 New Renwick	164507	20331 40600	LOT 1 DP 1910
SW	4 Richardson	538176	20331 24302	LOT 6 DP 491378

The only property owner that has been consulted with is the shop tenant at 72 New Renwick Road.

3. Aerodrome / New Renwick Road

The available space for a roundabout at the intersection of Aerodrome Road and New Renwick road is larger than the available lane at the Batty's Road intersection. This is due to large corner splays at the intersection, as shown below (both drawings are at the same scale).

Figure 2 Available Road Reserve



As can be seen, the available road reserve for a roundabout is significantly larger at Aerodrome Road.

A fourth approach to the intersection is required from the north and it is recommended to incorporate the adjoining property, shown in blue, and provide property access from the subdivision to the adjoining property. This will require negotiation with the land owner (Couper/Knudson, 142 New Renwick Road) which has not yet been done.

The property details on the properties adjacent to the intersection are tabled below.

Table 2 Property details adjacent to Aerodrome / New Renwick intersection

	Address	Property Number	Valuation Number	Legal Description
NW	142 New Renwick	163619	20331 31700	LOT 1 DP 8701
N	126 New Renwick	163627	20331 31800	LOT 2 DP 8701 LOT 2 DP 6071
NE	120 New Renwick	535127	20331 31900	LOT 2 DP 338922 LOT 3 DP 338922
SE	Aerodrome Road	539846	20331 24300	LOT 314 DP 514839
SW	135 New Renwick	163248	20331 26700	LOT 2 DP 11689

The Burkhurts (114 New Renwick Road) have been consulted with.

In conclusion, a roundabout can be constructed at both intersections within the existing road reserve.

Regards,

Laura Skilton
SENIOR TRANSPORT PLANNER