



10 November 2016

Our Reference: SYD16/01392 (A15047637)
DP&E Ref: DA 165-7-2005 MOD 1

Manager
Resource Assessments, Planning Services
Department of Planning and Environment
GPO Box 39
SYDNEY NSW 2001

Attention: Lauren Evans

PROPOSED MODIFICATION TO HAERSES ROAD SAND QUARRY – MODIFICATION 1
HAERSES ROAD, MAROOTA

Dear Sir/Madam,

Reference is made to the Department of Planning and Environment (DP&E) email dated 11 October 2016, regarding the abovementioned application which was referred to Roads and Maritime Services (Roads and Maritime) for comment.

Roads and Maritime has reviewed the submitted documentation and raises no objection to the proposed modifications subject to the following conditions being included in the conditions of consent:

1. Roads and Maritime has concerns with regard to the restricted sight distance at the T-intersection of Haerses Road/Wisemans Ferry Road and lack of appropriate linemarking to guide the conflicting traffic movements at the intersection. In this regard, Roads and Maritime requests that the intersection of Haerses Road/Wisemans Ferry Road to be improved to a channelised right-turn treatment (CHR) on Wisemans Ferry Road with linemarking and chevron as shown on the attached extract from Austroads Guide to Road Design. This treatment would guide the through traffic past the right turning vehicles at the intersection and improve safety by reducing potential rear-end and overtaking vehicle crashes at this location.

The design and construction of the CHR treatment on Wisemans Ferry Road shall be in accordance with Roads and Maritime requirements and Austroads standards. Detailed design plans of the CHR treatment and proposed works are to be submitted to Roads and Maritime for approval prior to the issue of a Construction Certificate and commencement of any road works.

2. The developer may be required to enter into a Works Authorisation Deed (WAD) for the abovementioned works. Please note that the WAD will need to be executed prior to Roads and Maritime assessment of the detailed civil design plans.

Roads and Maritime fees for administration, plan checking, civil works inspections and project management shall be paid by the developer prior to the commencement of works.

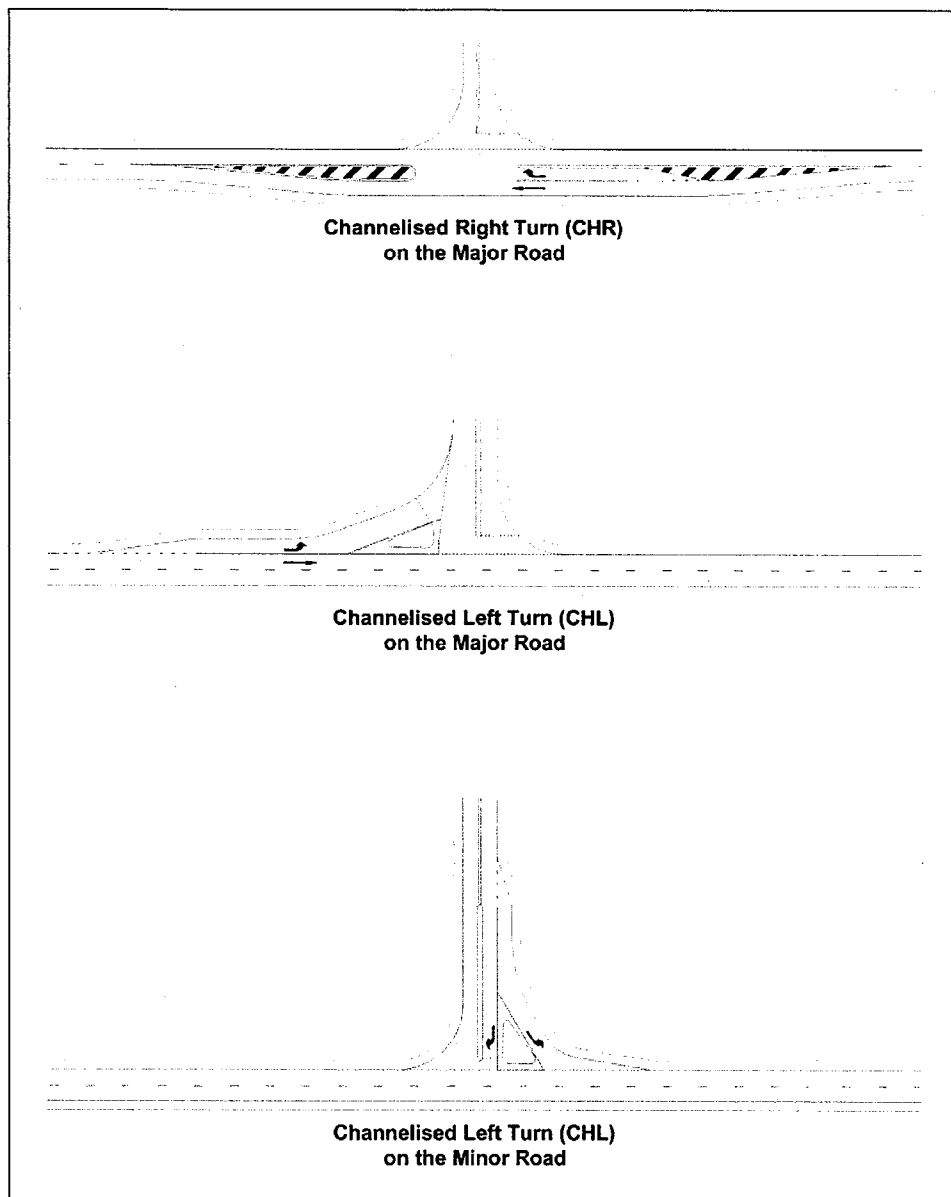
3. All works/regulatory signposting associated with the proposed development are to be at no cost to Roads and Maritime.

Any inquiries in relation to this application can be directed to Zhaleh Alamouti on 8849 2331 or by email at development.sydney@rms.nsw.gov.au

Yours sincerely



Pahee Rathan
Senior Land Use Planner
Network and Safety Section



Note: Arrows indicate movements relevant to the turn type. They do not represent actual pavement markings.

Source: Based on QDMR (2006).

Figure 4.7: Rural channelised (CH) intersection turn treatments

For design details of rural channelised turn treatments refer to:

- Figure 7.6 for a CHR(S) treatment on the major road comprising a shorter turning lane
- Figure 7.7 for a CHR treatment on the major road comprising a full-length lane
- Figure 8.5 for high entry angle CHL treatments on major and minor roads
- Figure 8.6 for CHL treatments with an acceleration lane on major and minor roads.