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Date: 15 December 2020
Job Number: 17_147



SUBJECT: Gull Pokeno – Comments on Updated Consent Plans

68-72 GREAT SOUTH ROAD, POKENO – TRANSPORT PEER REVIEW, UPDATED CONSENT PLANS (DATED 9 DECEMBER 2020)

Introduction

Following the conclusions from the Gray Matter peer review (Peer Review Issue 1, 30 July 2020 and subsequent Addendum, 26 November 2020), the Applicant has updated their consent plans to show the signage located on the eastern boundary (Market Square).

The Applicant submitted the updated plans in response to Waikato District Council's communication with the Applicant, suggesting:

- *Condition of consent to locate the ID sign at least 6m from the road frontage on the western boundary (Church Street), or on the eastern boundary (Market Street).*

Figure 1 on the following page shows the updated sign location and approximate lines of sight.

Figure 2 shows the site elevation, location, and configuration of the signage.

Sight distance

We note the Applicant has included the recommended 6m of clear space on the western (Church Street) boundary to maximise sight distance to the north.

The proposed location of the sign shown on the elevation appears to be positioned about 0.5m from the front boundary with Great South Road.

The proposed location of the sign has the effect of potentially marginalising sight distance to the south along Great South Road. It appears possible for a departing driver to see past the edge of the sign to view vehicles approaching from the south. However, the viewing angle may vary for different vehicle types and the sign may limit sight distance for some drivers.

We are concerned that the proposed sign location may encourage drivers to edge forward into the left turn slip lane to improve their view of oncoming traffic, increasing the likelihood of crashes.

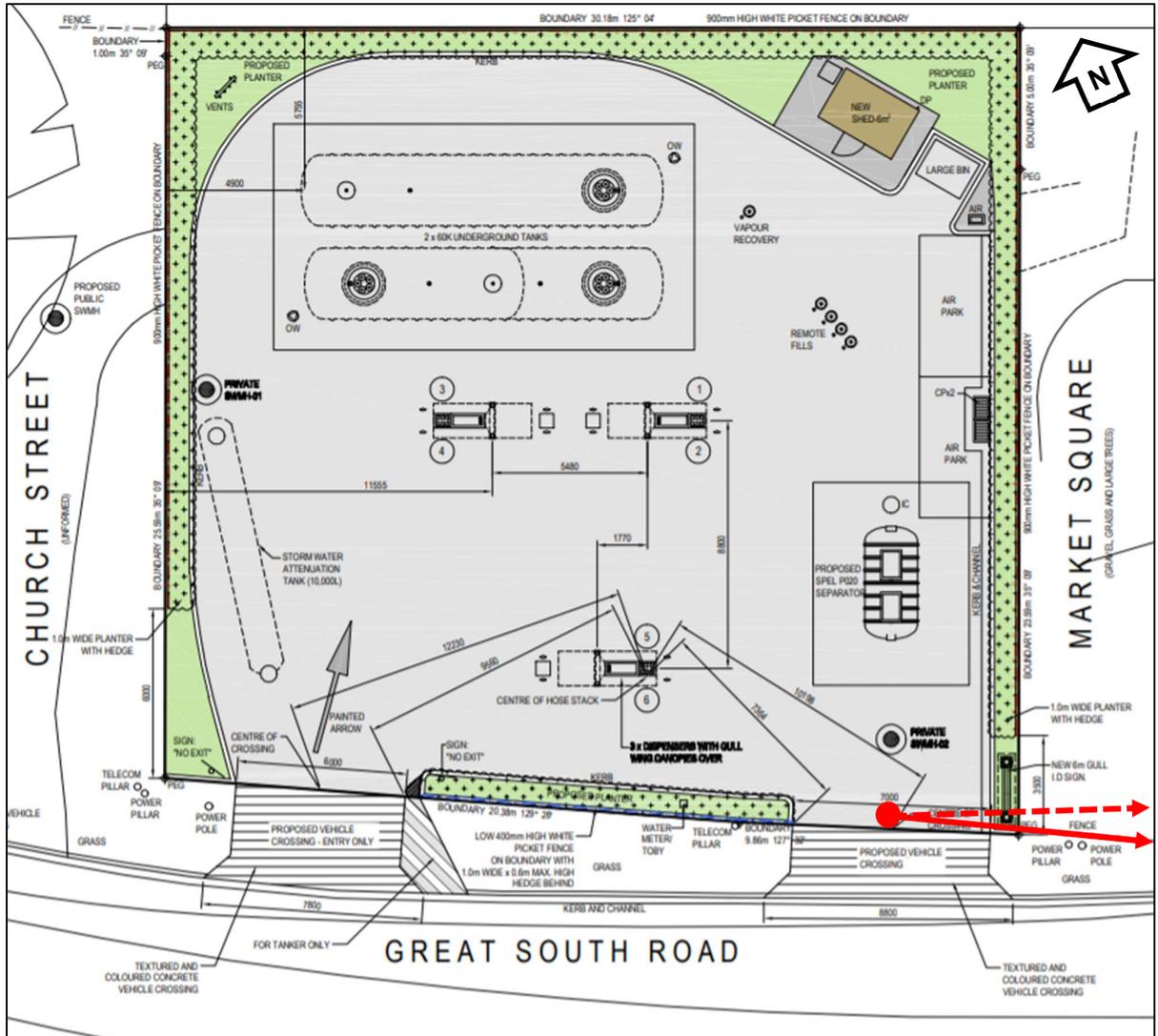
The proposed sign location will obstruct intervisibility between vehicles at the vehicle crossing and vehicles exiting the north end of Market Street. We consider it prudent to allow clear sight lines between drivers to reduce the likelihood of crashes.

Future Road Changes

We understand that Waikato District Council are considering upgrading the intersection of Pokeno Road and Great South Road to a signalised intersection. Our comments regarding sight distance specific to the proposed road layout changes are detailed in our Addendum (26 November 2020).

Conclusion

For the Applicant's current proposal, we recommend the sign be set back a minimum of 1m from Great South Road to maximise the view of traffic approaching from the south, improve the intervisibility for vehicles exiting the northern end of Market Street, and allow for variations in vehicle type and driver eye position.



Key

- Approx. driver eye position
- (Red arrow) Approx. line of sight to Great South Road
- (Dashed red arrow) Approx. line of sight to Market Street

Figure 1: Updated Site Plan (9 December 2020)

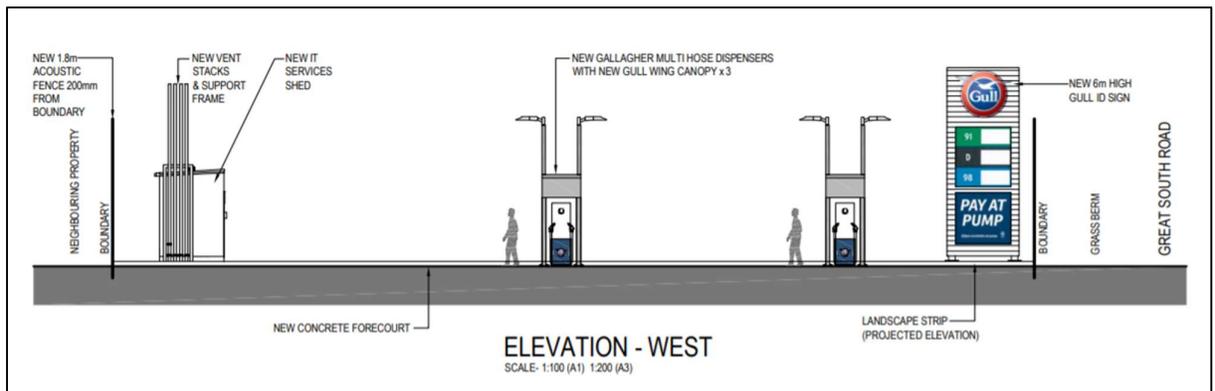


Figure 2: Updated Site Elevation (9 December 2020)