

Appendix Q – Sewer Servicing (Pure Projects)

Fairmont Port Douglas – RFI Response

DA Reference : MCUI 2020_3711/1

Item 32 :

It is noted that there are no proposed upgrades to the sewer network, and that “the flow rate from the site to the existing main will be capped by the infrastructure available, and the site pump station capacity will be increased to ensure an acceptable constant sewer discharge”.

Council officers do not agree with this statement without clear demonstration of the resulting operational system on site. The following minimum elements are to be addressed:

- a. Demonstrate that there is capacity in the 300mm rising main that the developments private pump station is proposed to be connected to;
- b. Demonstrate that the flow rate from the site pump station can provide an acceptable constant sewer discharge without extended times storage of waste;
- c. Advise the storage provisions for the pump station (time and volume) and how this will be accommodated on site;
- d. Provide confirmation of the total sewage discharges that will be received at the treatment plant based on the FNQROC peaking factors for peak flow rate, daily volumes etc.

Item 33 :

Provide an updated sewer plan which identifies the proposed connection point to Council's system where sufficient capacity exists. Provide a plan demonstrating proposed pump station location and proposed pump parameters.

Response :

Inertia Engineering who are coordinating the response to the Sewer RFI items have been in contact with Douglas Shire Council to obtain the existing sewer model to undertake the response to the RFI. We have been in contact with Mr Peter Tonkes – Manager Water & Waste, with the existing Douglas Shire Council model released on released from Douglas Shire Council on Friday 12.02.2021 for the purposes of conducting network assessments required to address RFI items 32 which is required to be undertaken prior to completing response to item 33. Douglas Shire Council were advised on Monday 15.02.2021 of the technical issues with the models, being that the model shows errors for disconnected pipes/ nodes, tanks emptying etc. A phone call with Peter Tonkes was had on the 19.02.2021 to which Douglas Shire Council confirmed that they are engaging Stantec to repair the models. To undertake a response to this RFI 32 & 33 a working model is required.

This RFI is unable to be responded to as a working model is unable to be provided by Douglas Shire Council.

Given the unavailability of the Council model we recommend that the provision of the infrastructure calculations and modelling be a condition of DA.