

STAFF REPORT

TO: Mayor and Councillors

FROM: Community Services Manager

DATE: 2 December 2010

SUBJECT: Mapua Wharf Sewage Pumping Station – RCN10-12-03

PURPOSE

To advise Council of the proposed site for the new sewage pumping station at the Mapua Wharf and to seek Council approval to the site.

BACKGROUND

Funds have been provided for the urgent upgrade of the above sewage pumping station and the proposed site for this has been along the northern boundary of the Mapua Waterfront Park. The initial proposal was to site the pumping station between 80 and 100 metres from the current location and all the earlier draft plans of the Waterfront Park have shown this site. More recently it was found that it would potentially pose significant difficulty with treating groundwater and unknown ground conditions related to trenching within the roadway. It is also considerably cheaper to relocate the pumping station closer to the existing site (shown as Option 2 Waterfront location on the attached map).

DISCUSSION

The proposal to site the new pumping station closer to the estuary and also to the restaurants was cause for concern for Mapua businesses and members of the community. Staff and Councillors have met with the Mapua Community Association and also the wharf business owners to explain the proposal and the main concerns expressed were:

- 1 Smells from the pumping station.
- 2 Overflows into the estuary if the system breaks down eg power outage.
- 3 Pumping station structures above the ground being unsightly.
- 4 The suggested cost saving being unrealistic.

These issues have been considered and the following was reported to a meeting involving the Mayor, Chair of Community Services and the three Moutere / Waimea Councillors:

- 1 The new system involving carbon filters will alleviate any unpleasant odours.
- 2 Two large holding tanks are included in the design in case a power outage or other breakdowns. Also a generator will be included in the design as a back up.
- 3 The only structures above ground will be the generator, carbon filter, electrical cabinet and the top of the wet well that needs to be above ground level to avoid stormwater run off getting into the system.

The proposal is to incorporate the generator, electrical cabinet and carbon filter into a shelter that will also screen the existing concrete block water pump building (a draft copy of plans for this shelter are attached).

The top of the wet well will be designed to look as though it is part of the overall Waterfront Park design.

- 4 While it is extremely difficult to quantify the savings by using this site, our engineers will have some indicative figures before the meeting, however these are expected to be a minimum of \$200,000 and possibly as much as \$400,000 to \$500,000.

OPTIONS

- 1 To continue with the original proposal for the sewage pumping station ie 80 to 100 metres from the current site. This option would cost anywhere between \$200,000 and \$500,000 more than Option 2 but may be more acceptable to the business owners in the wharf area.
- 2 Agree to the site as shown on the attached plan subject to the construction of a shelter along the lines shown on the attached plans. This option is considerably cheaper and the concerns of the locals can be mitigated by the design of the pumping station and also the landscaping design of the Waterfront Park.

SIGNIFICANCE OF DECISION

The siting options of the sewage pumping station are not considered significant in accordance with Council's policy on significance.

RECOMMENDATION

THAT, subject to any necessary consents and the suitability of the site, the new sewage pumping station in Mapua be constructed along the northern boundary of the Mapua Waterfront Park as shown as Option 2 on the attached plan.

L L Kennedy

Community Services Manager

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