


Notice is given that an ordinary meeting of the Engineering Services Committee will be held on:


**Date:** Thursday 21 June 2018  
**Time:** 9.30 am  
**Meeting Room:** Tasman Council Chamber  
**Venue:** 189 Queen Street  
 Richmond

## Engineering Services Committee

### AGENDA

**Key subdivisions**

|   |                       |                          |   |
|---|-----------------------|--------------------------|---|
|  Application Stage |                       |                          |   |
| Tourist motels building development at 6 Iwa Street ( <a href="#">Mapua</a> )                         | 9 units plus dwelling | Tourist motels           | Application considered at commissioners' hearing in May 2018. |
| 750 Lower Queen Street (Richmond)   | 35 lots               | Various industrial sites | Pre-application.  |

|  |         |  | Engineering Plans   |
|--|---------|--|---|
|  Construction Stage |         |  |   |
| Ecology  | 7 lots  | Rural Residential un-serviced  | Earthworks commenced  |
| Pastures (Richmond)  | 7 lots  | Seven residential lots served by existing Highland Drive formation and a new right-of-way.   | Earthworks commenced  |
| Wakefield Developments - Lord Auckland Road (Wakefield)  | 24 lots | Residential subdivision  | Stormwater and wastewater currently being installed   |
| Grey Street Subdivision (Motueka)  | 26 lots | Stage 4 of the subdivision   | Water and drainage installed  |
| Beaches and Bays (Little Kaiteriteri)  | 18 lots | Residential subdivision  | Water and drainage installed  |
| 382 Pomona Rd (Ruby Bay)   | 8 lots  | Un-serviced rural residential subdivision  | Construction continuing   |
| Tasman View (Ruby Bay/Tasman)  | 15 lots | Un-serviced rural residential subdivision  | Construction continuing   |
| Carmello stage 2 (Richmond)  | 15 lots | Extension of Campari Drive. These sites will provide underground tanks for stormwater detention  | Construction continuing   |
| Mapua Coastal Village stage 2  | 15 lots | Second stage continuation of Iwa Road to install private wastewater pump stations. This site has an allocation of reticulated water for these lots | Construction nearing completion and staff expect 224 request for this stage within the next month |
| Puketutu stage 3B (Motueka)  | 17 lots | The final stage of the Puketutu subdivision  | Expecting as-built plans soon   |
| Mapua Land Holdings (Old Coach Road)   | 18 lots | Rural residential subdivision  | Expecting as-built plans soon   |
| Appleby Hills stages 11-14 (Appleby)   | 23 lots | The final stages of the Appleby Hills subdivision  | As-built plans received   |

|                               |         |   |                         |
|-------------------------------|---------|---|-------------------------|
| Kaiteriteri)                  |         |   | installed               |
| 382 Pomona Rd (Ruby Bay)      | 8 lots  | Un-serviced rural residential subdivision | Construction continuing |
| Tasman View (Ruby Bay/Tasman) | 15 lots | Un-serviced rural residential subdivision | Construction continuing |

**Projects in Preliminary Design Stage**

| ID   | Name   | Project Description   | Project Status | Estimated Tender Upload Date | Comments  |
|------|--|---|----------------|------------------------------|---|
| 1039 | Richmond Church Street Water Pipeline              | Replacement of old existing watermain.  | On-Hold        |                              | Potential for this work to be tendered as part of the Richmond Stormwater upgrade project.  |
| 1106 | 2017 District-wide Closed Landfill Cap Renewals    | Improvement to capping and edge protection at priority sites 2017/18.   |                |                              | Preliminary work on prioritising sites underway. Physical work to be procured via variations under various existing contracts.              |
| 1123 | 2017 Richmond McGlashen Av Stormwater Improvements | Stormwater intake to collect overland flow from McIndoe Place/McGlashen Avenue area into an existing stormwater pipe. |                |                              | The aim of this project is to install a grated inlet in the Richmond deviation berm close to McGlashen Avenue. Currently reviewing options. |

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| ID   | Name                                    | Project Description                              | Project Status | Estimated Tender Upload Date | Comments   |
|------|---|--|----------------|------------------------------|--|
| 1154 | 2017 <u>Mapua</u> Wharf Seawall Renewal | Replace existing deteriorating concrete seawall. |                |                              | Structural investigations complete and design in progress. |
| 1134 | 2018                                    | Renewal of the odour                             |                |                              | Planning underway.   |

| ID   | Name  | Project Description  | Project Status | Estimated Tender Upload Date | Comments           |
|------|---|--|----------------|------------------------------|--------------------|
|      | Flood Prevention Stage 1                              |  |                |                              |                    |
| 1150 | 2018 Collingwood Gibbs Road Stormwater Diversion      | Improve Gibbs Road stormwater discharge.   |                |                              | Planning underway. |
| 1151 | 2018 <u>Ruby Bay</u> Stafford Drive SW Pipe Extension | To collect and pipe stormwater from Stafford Drive through to the back of the properties near 72 Stafford Drive and discharge into the open drain. |                |                              | Planning underway. |
| 1143 | 2018 Richmond   | Install an additional pipeline   |                |                              | Planning underway. |

Item 9.6

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|------|---|--|----------------|------------------------------|--|
| 1154 | 2017 Mapua Wharf Seawall Renewal                | Replace existing deteriorating concrete seawall.   |                |                              | Structural investigations complete and design in progress.   |
| 1134 | 2018 Collingwood WWTP Odour Consent Renew       | Renewal of the odour discharge consent for desludging of oxidation pond.   |                |                              | Planning underway.   |
| 1135 | 2018 Motueka WWTP Inlet Works Duplication       | Additional inlet works, including mechanical screen, and rehabilitation of existing inlet channel.                           |                |                              | Planning underway.   |
| 1136 | 2018 Takaka WWTP Back-up Generator              | New backup generator for Takaka Wastewater Treatment Plant.  |                |                              | Planning underway.   |
| 1146 | 2018 Pohara Tarakohe PS & RM Upgrades           | Replace the Pohara Valley and Tarakohe Wastewater Pump Stations and associated rising main.                                  |                |                              | Planning underway.   |
| 1137 | 2018 Richmond Headingly Lane WWPS & RM Upgrade  | Upgrade of Headingly Lane wastewater pump station and rising main to allow for growth.                                       | On-Hold        |                              | On hold pending a wider regional sewerage pipeline solution. |
| 1138 | 2018 District-wide WWPS Emergency Storage Tanks | Emergency storage tanks at wastewater pump stations  |                |                              | Planning underway.   |
| 1139 | 2018 Mapua Aranui Road WWPS Upgrade             | Upgrade the Aranui Rd Wastewater pump station, new emergency storage and odour control, connection to new trunk rising main. |                |                              | Planning underway.   |
| 1140 | 2018 Wakefield                                  | Increase capacity of the   |                |                              | Planning underway.   |

| ID   | Name   | Project Description  | Project Status | Estimated Tender Upload Date | Comments  |
|------|--|--|----------------|------------------------------|---|
| 1057 | Pohara Stormwater Improvements                           | Upgrade infrastructure to mitigate flood impact.   | Late           | 18/09/2018                   | Detailed design of solutions for individual properties are being agreed with property owners. When property owner approval is obtained, the Resource Consent application will be submitted. Physical works are planned for September. |
| 1130 | 2018 Motueka Reticulation Zone of Effect                 | To reticulate an area in the north west of Motueka and provide connections and meters at all properties in this area. Residents do not have to connect but may choose to do so.  |                | 12/12/2018                   | Planning underway.  |
| 1120 | 2017 Mapua Stafford Drive-Aranui Road Water & WW Upgrade | Construction of a new Stafford Drive wastewater pump station and new rising main to Mapua Wharf wastewater pump station. Upgrade of Ruby Bay wastewater pump station including, greater pumping capacity (pumps and rising main), odour treatment, and emergency storage. Replace water pipes from Mapua Wharf along Aranui Rd to Mapua Dr; Stafford Dr from Aranui Rd to the junction with the main to Pomona Rd Reservoirs; Stafford Dr to intersection at Brabant Dr. |                | 16/01/2019                   | The current focus is on preparing our resource consent application, sizing pipes correctly to allow for future growth while staying within budget, progressing land purchase, and developing a plan for managing dewatering.          |

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| 1019 | Wakefield New  | New water treatment plant  | On             | 20/03/2019                   | An undated cost estimate has been   |

## Projects in Detailed Design Stage

| ID   | Name   | Project Description   | Project Status | Estimated Tender Upload Date | Comments   |
|------|--|---|----------------|------------------------------|--|
| 1056 | Pohara Water Treatment Plant Upgrade         | Improve water quality and to comply with the NZ drinking water standards.                       | On Hold        |                              | Scope yet to be confirmed. Current budget (\$409K 2018-20) may not be sufficient to fund the preferred membrane filtration option. Design to be completed in 2017/18. Some minor improvements to be carried out on Water Treatment Plant building. |
| 1068 | Ledger Goodman Park Wastewater Pump Station  | Relining of Ledger Goodman Wastewater Pump station wet well.                                    | Late           |                              | The mechanical/electrical work is to be procured via a variation to our Operations & Maintenance Contract, and wetwell coating completed by a wetwell coatings specialist. A Resource Consent is required.   |
| 1112 | 2017 Riwaka-Kaiteriteri Rd Curve Widening    | Construct curve widening on the Riwaka-Kaiteriteri Road from Stephen's Bay to Kaiteriteri Road. | On-Hold        |                              | Construction delayed due to lack of funding.   |
| 1128 | 2017 Takaka Abel Tasman Drive Curve Widening | Improve corner visibility and provide a shoulder for cyclists.                                  |                | 02/08/2018                   | In design.   |
| 1101 | 2017 Waimea Water Treatment Plant Upgrade    | Upgrade the Waimea Water Treatment Plant (flow to Mapua) to meet NZ drinking water standards.   |                | 02/05/2019                   | Requires funding to start detailed design.   |
| 1062 | Rorok Creek                                  | Upgrade of Rorok  |                | 01/07/2020                   | In design  |

### Operations Update

- 7.12 Inflow and Infiltration - Due to the volume of stormwater and groundwater entering the new wastewater network in **Mapua** Rise, staff have installed Differential Temperature Sensing (DTS) monitoring equipment. Once this investigation has been completed the properties with stormwater/groundwater discharging to the wastewater network will be identified. Letters will

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be sent to the property owners requiring them to complete remedial works within 60 days. Three properties in Upper Takaka have been identified discharging excessive volumes of wastewater following storm events and at other times from groundwater infiltration. We have written to the property owners asking them to complete remedial works by 27 July 2018.

- 7.14 The **Mapua** Leisure Park pump station upgrade and repairs were completed on 10 May 2018 and the new pumps are operating trouble free.

### Ruby Bay

- 8.62 The sea wall that is maintained by the Council from 50 metres north of Tait Street through to the Talley's wall to the south (an approximate length of 1100 metres) and which was

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over topped from the Fehi ex-cyclone event, has been repaired to a similar standard to that of the pre-cyclone events.