

## **Stormwater Activity Update**

Report of Stormwater Unit Manager to the Activity and Monitoring Committee on 12 November 2009.

Please note – this report has been edited for information relating to Current Projects. The full report can be viewed at <http://www.franklin.govt.nz/YourCouncil/Meetingsandminutes/Meetingminutes/tabid/284/Default.aspx>

### **DISCUSSION**

The purpose of this report is to provide information on the issues and activities pertaining to the Stormwater Activity over the last three months to the end of September 2009.

#### **Major Capital Works Projects:**

##### ***Pukekohe Hill Stormwater Project:***

Completed – Planting works on two year maintenance until 25 July 2010.

##### ***Upper Manukau Road Project:***

**Stage 1** – Completed – Planting works on maintenance until 22 May 2011

**Stage 2 and 3:** SW 080 and SW 081

Balance of the open channel works and Nelson Street reticulation upgrade being designed together. Physical works may be divided into two separate contracts.

Project Manager: Chris Bird of Urban Solutions

Design Consultant: Tonkin and Taylor

Contractor: To be advised.

##### **Programme:**

Consents: To be applied for – September 2009 - expected – November 2009.

Tender: - December 2009.

Construction: - To commence late January 2010

Completion; - June 2012

##### **Progress Report**

Currently the initial modelling is completed and options being evaluated and developed. Application for Auckland Regional Council (ARC) consent is behind

programme (2 months). However, proposed open drain works can be substituted with piped reticulation works to keep within overall project time lines.

***Pukekohe North Catchment Projects (PNCMP):***

This project is for the detailed design and implementation of stormwater management generally associated with the main upper eastern and western arms of the Whangapouri Stream together with the Whangapouri stream from Cape Hill Road to Paerata State Highway 22 triple culverts, including minor tributaries. This being the main stormwater management system detailed in the Pukekohe North Catchment Management Plan consisting of channel works, culvert upgrades, and attenuation and quality ponds. These works are programmed for design and implementation over an eight year time span.

Project Manager: - To be determined

Design Consultant/s: - To be advised

Stages: To be advised

To be determined in conjunction with appointed Project Manager and on resolution of PNCMP appeals to the Environment Court (Refer to details planning section below).

Progress Report

A separate workshop program prepared to present to Council on 3 November 2009. Aim being to establish priorities.

***Lions Lake Waiuku - Contract 06/50SW***

Completed Including Defects Period.

***King Street Waiuku Stormwater Improvements - Contract 08-33SW***

Completed

Practical Completion Certificate issued 12 June 2009.

Contract has a six month defect period, until 12 Dec 2009.

***East Street Stormwater Improvements - Contract 07/41SW***

**Stage I:** Completed including Defects Period

**Stage II:** East Street to the Railway

Design Consultant: OPUS

Not yet tendered. Final design and contract documentation completed ready to tender late November.

Physical Works to be undertaken January 2010

***River Lane Waiuku - Contract 08/11SW***

Consultant: Aurecon Limited

Contractor: Dempsey and Wood Limited

### **Stage I**

Being the upgrading of the reticulated public stormwater services in River Lane in preparation for the Waiuku Town Centre upgrade.

Completed, including defects period.

### **Stage II**

Being the de-silting of the open watercourse, stabilising of river banks, and provision of additional weir at the King Street end.

Construction: - Commenced 14 September 2009

Completion: 6 February 2010

#### Progress Report

Contractor making excellent progress considering recent weather conditions approximately three days ahead of program.

#### **Planning Works:**

#### ***Pukekohe North Catchment Management Plan (PNCMP) - Contract SW 99/75***

Consultants: GHD Hydrology, Opus Engineering.

#### Progress Report

The PNCMP completed and network Discharge Consent granted by ARC on 19 June 2007. Appealed to the Environment Court by five objectors. Last Consent order being progressed to hopefully avoid court hearing. Next reporting data to the court being 18 November 2009.

Variation Pukekohe North Catchment Management Plan (VPNCMP) - Paerata.

Required to incorporate Pukekohe North (Beatty Road) structure plan (PC 21) and proposed Paerata business land structure plan (PC-TBD).

Until the PNCMP is actually granted Franklin District Council can not progress this variation.

Consultant: - GHD engaged and preliminary work commenced

Timetable: - To be determined

#### ***Waiuku Integrated Catchment Management Plan (WICMP) - Contract SW 06/37***

Consultant: Fraser Thomas Partners Limited.

Works incorporating proposed business land structure plan (Plan Change 23) completed (Prior to Hearings). Contract expanded to incorporate District Growth Strategy (DGS) areas into plan. Initial Draft plan has been produced and submitted to the ARC. Further works required and progressing to satisfy both ARC and FDC.

Earliest possible Consent June 2010 following public notification.

***Tuakau Catchment Management Plan (TCMP) – Contract SW 0/61***

Consultant Hydraulic Modelling Services.

Completed and Network Discharge Consent granted by Waikato Regional Council (WRC) on 3 December 2008.

Variation Tuakau Catchment Management Plan (VTCMP)–Contract 07/30 SW.

Consultant: Harrison and Grierson

**Stage I – Business Land – Plan Change 22 (Prior to Hearings)**

Completed and accepted by WRC.

**Stage II – All DGS Areas**

Completed and accepted by WRC.

When Plan Change 22 Decision is known the TCMP will be updated and amended and submitted to WRC for formal approval.

***Pokeno Catchment Management Plan (PCMP)***

Consultant Hydraulic Modelling Services.

Completed and Network Discharge Consent granted by WRC on 3 December 2008.

Variation Pokeno Catchment Management Plan (VPCMP).

Prepared as a support document for the proposed Pokeno Landowners Consortium (PLC) Structure Plan. Plan Change No 24.

Consultant: Harrison and Grierson – Commissioned and paid for by PLC.

Completed and accepted by Environment Waikato.

Minor changes made to the PCMP – September 2008 Version at the request of the WRC to enable formal approval of this version by WRC. Further minor changes will be required following the Hearing Decisions of Plan Change Number 24 which will be instigated following release of the decision.

***Bombay Integrated Catchment Management Plan (BICMP)***

An initial study of the existing drainage patterns private farm drains on the northern slopes of the hill has been carried out. This catchment also drains to the Pahurehure Inlet and FDC are involved in a joint ARC, Manukau City Council

(MCC), Papukura City Council (PCC), FDC project developing a Manukau Harbour Model that looks at the dispersal of contaminants

Consultant: NIWA (Harbour Model) Funded by ARC.

Project now advancing as Hingaia Integrated Catchment Management Plan as a joint project with Papakura District Council (PDC), and Stevensons in support of the proposed Drury Business Park.

Joint Project Manager - Lorenzo Canal of Urban Solutions

Consultant: Stream Ecology – Golders Limited

Hydrology Modelling – DHI Limited

ICMP Report – Golders Limited

Timetable: - Lodge Consent ARC December 2009

#### Progress Report

Stream Ecology work completed. Hydrology model now set up and initial existing situation completed. Issues identified and solutions being sought.

Initial Draft ICMP expected November 2009.

#### **Future Catchment Management Planning:**

##### ***Awhitu Peninsular Integrated Catchment Management Plan (APICMP)***

This plan is required to manage the growth of the many small coastal settlements on the peninsular it is expected that issues affecting them all will be similar and will be able to be treated as a series of sub-catchments to achieve the same required outcomes.

##### ***Clarks and Waiau Beach Integrated Catchment Management Plan (C and WBICMP)***

A CMP has already been produced for Clarks and Waiau Beach and is currently the subject of section 92 requests from the ARC. It has been decided that to utilise the funding assistance available from the ARC to upgrade this plan to a full ICMP.

##### ***Glenbrook Beach Integrated Catchment Management Plan (GBICMP)***

A CMP has already been produced for Glenbrook Beach and is currently the subject of section 92 requests from the ARC. It has been decided that to utilise the funding assistance available from the ARC this plan will be upgraded to an ICMP.

##### ***Whakatiwai, Waharau Integrated Catchment Management Plan***

This plan may be undertaken in a similar manner to that proposed for the Awhitu Peninsular and will incorporate Kaiaua which is in the Environment Waikato Region as the Firth of Thames is a common receiving environment. A joint coastal management plan is currently being prepared by ARC, Environment Waikato (EW) and FDC and will provide inputs to this document.

Kingseat Integrated Catchment Management Plan (KICMP). This will be undertaken in a similar manner to Pokeno by the Developer with assistance from FDC to cater for the complete catchment.

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