



## Land Drainage Recovery Programme

*Reducing the risk of flooding  
throughout Christchurch City*

### Dear residents,

If you have been out walking or driving along the Stapletons Road area of Dudley Creek you would have noticed work is well underway on the first package of work on the Dudley Creek flood remediation project.



Contractors began by removing trees and vegetation on the north side of Dudley Creek between Slater Street and Stapletons Road to enable the re-shaping of the creek's channel and banks. The seating and footpath were also removed.

The team is now working in sections along this part of Dudley Creek. Work in the first section involved setting up a small dam and de-watering pumps to reduce the water level in the creek. Drying out the creek bed gives the team space in the creek to shape the banks. You may be relieved to know, fish and eels were removed and relocated before the water level was reduced, and pipes have been laid along the dry section to maintain the creek flow.

Work is now focusing on building the new creek edge. Large boulders are placed in the creek bed and the area behind these will be back-filled. At regular intervals, eel caves are created out of curved pieces of pipe which mimic the dark places where eels like to hide. Rocks will also be used to create small overhangs for other aquatic life.

The next step is to build the "fresh plain", or terraced area planted with shrubs. This accommodates the higher water levels and

reduces the flood risk. Once this is completed the team will then move east toward Chancellor Street and start the de-watering process there.

John Mackie  
*General Manager Infrastructure Rebuild*



Placing boulders in the creek bed



Eels caves along Dudley Creek



Top soil is delivered at Shirley Play Centre

## Local children keeping an eye on progress

Children at Shirley Play Centre, a neighbour to the Downer work site on Dudley Creek, are keeping a close eye on progress. Staff at the centre have taken advantage of all the activity to create learning environments for the children and teachers say, "The children especially enjoy watching the big machinery." No surprises there!

A number of the timber rounds from tree removals have been delivered to the centre – these now sit in their bark area and are a perfect size for children's seats. Downer's Site Supervisor delivered a number of barrow loads of top soil from the work area for the centre's new vegetable gardens.

## Dudley Creek resource consent applications

Following the Council's decision to progress the Stapletons Road flood remediation option through to detailed design and construction, resource consent applications to Environment Canterbury are currently being prepared.

The remediation work includes new infrastructure that will provide additional flood capacity within Dudley Creek. Resource consents are not required from the Council as

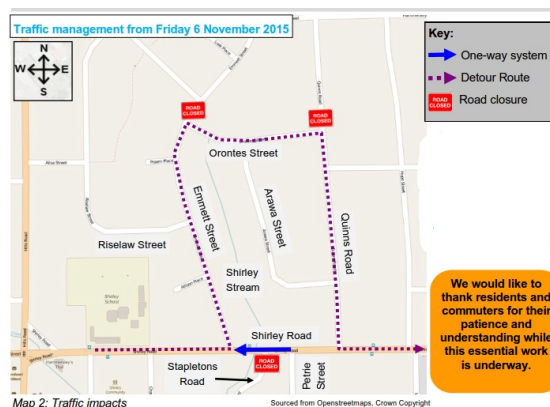
Environment Canterbury has confirmed that existing land use consents held by the Council allow the construction of the pipeline diverting flood water from Dudley Creek – including the pipeline inlet at Petrie Street, the pipeline itself down Petrie, Randall and Medway streets and the discharge outfall structure to the Avon River at the end of Medway Street.

However, resource consents are required for the diversion of water from Dudley Creek through the bypass pipeline and the discharge of water from the bypass to the Avon River. It is anticipated that resource consent applications for these activities will be lodged with Environment Canterbury in late-November.

These will be applied for under the Canterbury Earthquake (Resource Management Act) Order 2011. As part of processing the applications, Environment Canterbury will consult with people who will be, or are likely to be, adversely affected by the diversion and discharge of the floodwater. Environment Canterbury will invite written comments from those people over a 10-working-day consultation period.

Further updates on the resource consent applications will be included in future e-newsletters as they are progressed.

## Update on Shirley Culvert upgrade



SCIRT is currently upgrading the stormwater culvert located under Shirley Road between Emmett Street and Stapletons Road. The stormwater culvert work began in June 2015 and is expected to continue until early-2016.

SCIRT has temporarily sealed the southern side of Shirley Road and from Friday 6 November they will start working on the northern side of

the road. While this progress is good, it unfortunately means a one-way traffic management system will be in place for about three months. Please follow all signs and pedestrians should take special care.

Some points to note are:

Stapletons Road will remain closed at the Shirley Road intersection.

- Traffic will be allowed back into Petrie Street.
- New road closures will affect Emmett Street and Quinns Road.
- Traffic travelling east will be detoured along Emmett Street, Orontes Street and Quinns Road.

## More information

For specific information about the culvert upgrade work, contact SCIRT on 0800 444 919

For information on the Land Drainage Recovery programme email the Council at [floodmitigation@ccc.govt.nz](mailto:floodmitigation@ccc.govt.nz) or phone 941 8999

For traffic updates and to find out how these works may affect your travel plans, visit [Transport for Christchurch](#).

 [www.ccc.govt.nz/floodmitigation](http://www.ccc.govt.nz/floodmitigation)

 phone us on 941 8999 or 0800 800 169

 [floodmitigation@ccc.govt.nz](mailto:floodmitigation@ccc.govt.nz)

 LDRP, Christchurch City Council,  
PO Box 73011, Christchurch 8154

Christchurch  
City Council 

[Edit your subscription](#) | [Unsubscribe](#)