

Recovery Programme

Reducing the risk of flooding throughout Christchurch City

Dudley Creek Works Notice

Hills Road Culvert Update - Traffic Detour and Sheet piling

Overview

Downer is widening the culvert on Hills Road for the Dudley Creek Flood Remediation project. Work has progressed well since starting service diversions (power, telecommunications etc) on 8 June. The service diversions are almost complete and we are ready to start the next stage of work.

Starting the week of Monday 10 July, we are going to be sheet piling for about two weeks (depending on weather and onsite conditions) at the Hills Road culvert. We have included further information on sheet piling over the page.

Traffic Detour - Community Questions and Answers

Both The Council and Downer have received queries from nearby residents about the Hills Road detour. We have liaised with the wider project team, including the traffic planners in order to respond to these queries urgently. We hope the following information is helpful:

- **Can Downer and CCC reduce the traffic speed in the detour?**

The speed limit is 50kph on Guild Street, Slater Street and Dudley Street. The speed limit wont be reduced to 30kph, as this is proven to have very little impact on the speed people drive.

A pedestrian crossing and a traffic 'pinch point' have been installed at the Slater Street culvert. A pinch point narrows the traffic lanes, which forces cars to drive slowly and carefully.

Vehicle speeds were monitored following the installation of the pedestrian crossing and pinch point and the average speed on Slater Street was between 35kph and 40kph.

- **What is Downer going to do to fix the road if it gets ripped up from all the extra traffic?**

Downer and The Council monitor the detour regularly. If the road surface is damaged, temporary repairs will be carried out. When the culvert work is finished on Hills Road and Slater Street, permanent road repairs will be done if required. If there is an area of road that you are concerned about, please contact Downer using the contact details below.

- **I am finding it difficult getting in and out of my driveway. What can you do to help me?**

An option is to reverse into your driveway when you arrive home. The increased visibility will help when it is time to leave again. If the road cones are causing a problem, contact Downer using the contact details below and we will look at relocating them.

CALL *555 - Dangerous driving puts the whole community at risk. If you see any driver behavior that is concerning but has not lead to an emergency, please call *555. If it is an emergency, please call 111.



Have questions about the work or need more information? Contact Downer on 0800 033 747 or email dudleyinfo@downer.co.nz





Sheet pile installation



An example of a sheet piled trench on Warden Street. Note: The trench on Hills Road will be a lot smaller.

What is sheet piling?

Sheet piling is a system used to create a temporary wall in a trench. Sheet piles are long sections of steel or metal, that when vibrated into position, interlock to form a wall that creates a barrier between the soil and a trench.

Sheet piling helps keep the trench free of soil and water and ensures the trench is stable.

Why is sheet piling necessary?

Sheet piling is needed where the ground is soft, wet or when the trench needs to be over four metres deep. Without the use of sheet piling the trench would need to be very wide in order to stop the ground collapsing back into the trench. Deep trenches without sheet piles are dangerous for workers as the walls of the trench would be unstable.

Once the work in the trench has finished, we backfill (refill the excavated area) and restore vehicle access so that work can start on the other side of Hills Road.

To lower the water level in and around the trench dewatering pumps will be required. The dewatering pumps will run continuously until the work is completed.

Important information for residents about sheet piling

- Nearby residents and businesses will experience ground-borne noise and vibrations during the installation of sheet piles. You may like to check that breakable items cannot fall from shelves etc.
- **If you are experiencing extreme reactions to the sheet piling, contact Downer using the contact details provided below.**
- Our standard work hours are Monday to Friday between the hours of **7.00am and 6.00pm** (depending on weather and onsite conditions). Saturday hours are 7:00am - 1:00pm (if required).
- Safety is our number one priority. Safety is your responsibility too. Stay clear and stay alert - keep children and pets at a safe distance from the worksite.

COMMUNITY VISIT - 10am, Friday 14 July

Downer invite you to come to the Hills Road culvert work site so that you can see, hear and feel sheet piling in progress. Downer engineers and site staff will be there to answer any questions you have about sheet piling and how it may feel in your house.

We will meet near the worksite, just south of the Hills Road / Guild Street intersection.