



Council Works Notification (No. 7)

Ross Dam to Douglas Water Treatment Plant Pipeline Works

Work location: Riverway Drive, Kelso

Flyer delivery date: By 11 November 2022

Townsville City Council is committed to providing and maintaining over \$5.4B worth of community assets consisting of water and wastewater networks, bridges, drainage, roads, waste management and more throughout our city. Council has appointed local construction company Civil Plus Constructions to complete works.

Ross Dam to Douglas Water Treatment Plant Pipeline Duplication

Council is duplicating the Ross River Dam to Douglas Water Treatment Plant pipeline, a key water infrastructure asset essential to Townsville's water supply which provides 85% of the city's water. The new duplicate pipeline will further enhance Townsville's water security.

The duplicate pipeline will cross Ross River near the dam, run parallel to the river through the Mount Stuart Training Area before connecting to the Douglas Water Treatment Plant.

New activity - Controlled blast Friday 18 November

A controlled rock blasting event is scheduled to take place on Friday 18 November, between 9am and 4pm.

When complete, it will allow for the removal of 2100 cubic metres of rock from the pipeline alignment within the Department of Defence's Mount Stuart Training Area (MSTA).

Technical aspects of the blast program have been registered with The Explosives Inspectorate, Resources Safety & Health Queensland.

The blast program and activity will be managed in accordance with strict conditions placed upon the drill and blast contractor to ensure the blast remains within specified peak particle velocity and vibration limits. The public are advised to stay clear of the exclusion zone.


The diagram on page 2 shows the construction alignment and an indicative location of site where the rock is to be broken up and removed after the controlled blast.

This event is contingent upon fine weather.

Townsville City Council appreciates your patience whilst this work is conducted.

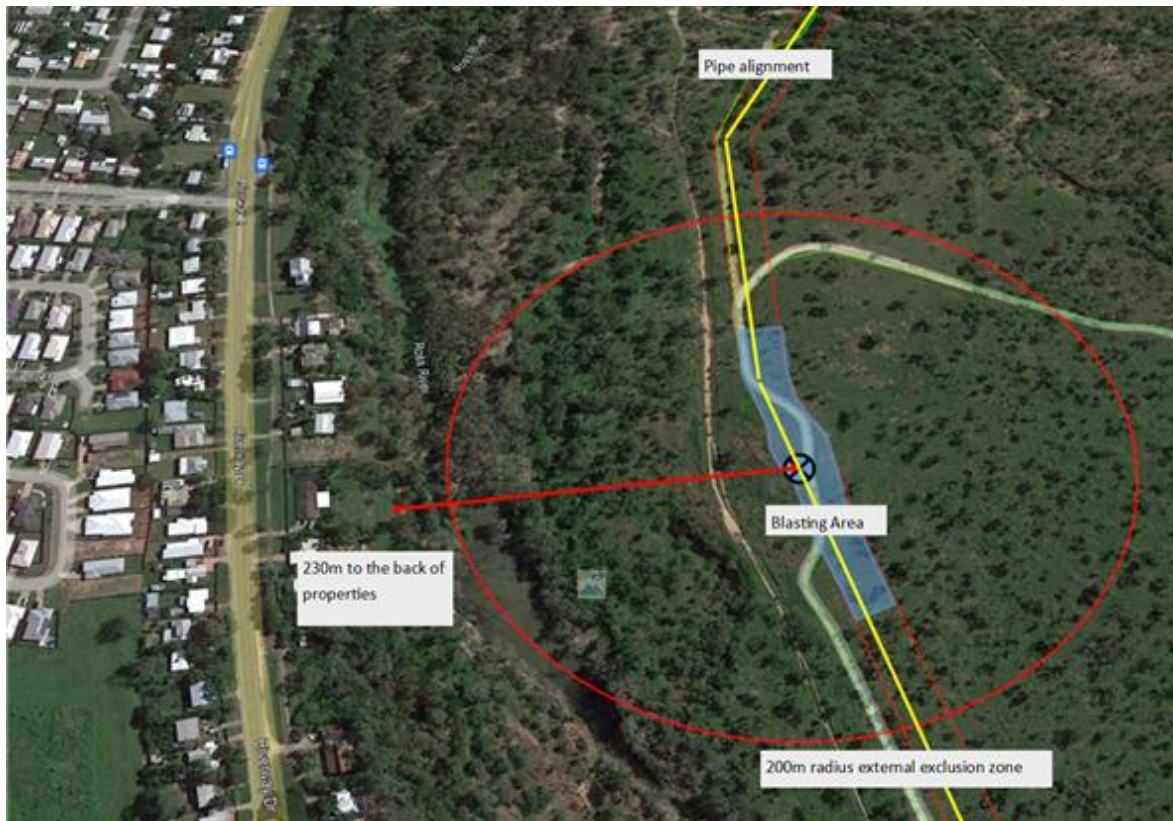
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Ross Dam to Douglas Water Treatment Plant Pipeline Duplication – Works Zone



Ross Dam to Douglas Water Treatment Plant Pipeline Duplication – Controlled blast event

Quick facts

Where: Eastern side of the Upper Ross River within the Department of Defence's Mount Stuart Training Area (MSTA) and is located approximately 250m from Riverway Drive.

Who: CivilPlus Constructions are the Principal Contractor and they have been engaged by Townsville City Council to construct the new Pipeline Duplication from the Ross River Dam to Douglas Water Treatment Plant.

Impact Drill & Blast have been engaged by CivilPlus as their specialist drill and blast subcontractor.

When: The site blast will be conducted on 18 November 2022 to enable removal of approximately 2100 cubic metres of rock within the pipeline alignment.

One blast is planned, with the blast scheduled to occur between 9.00am and 4.00pm.

Why: The blasting event is required to break up a 200 m long section of rock within the pipeline alignment corridor in the MSTA to allow the installation of a new pipeline.

How: The blast activity is required to break up a section of rock on the site within the pipeline alignment. Technical aspects of the blast program have been registered with The Explosives Inspectorate, Resources Safety & Health Queensland.

The blast program and activity has been managed in accordance with strict conditions placed upon the drill and blast contractor to ensure the blast remains within specified peak particle velocity and vibration limits.

The Principal Contractor will implement an exclusion zone of 200 metres from the blast site. Holes will be pre-drilled to a depth of approximately 3m by the contractor in a grid pattern, with each blast hole approximately 2 metres apart.

Explosive and detonators are inserted into each hole with other materials.

The charges are 'strung' together and electronically detonated in a timed sequence, which results in the rock being broken up into small, removable pieces.

What: 2100 cubic metres of blasted rock spoil will be excavated and either re-used on site or removed from site via Angus Smith Drive.