

# Christchurch Art Gallery Construction News

Issue 2: July 2001

## Key Dates

December 2000

- C Lund & Son Ltd commences work on site

November 2001

- Construction of the sculpture wall commences

October 2002

- Construction is completed

March 2003

- The Christchurch Art Gallery is opened

## Who Can You Contact?



*Andrew Macgregor and Kay Carston*

For enquiries regarding the contractor's operations please contact C Lund & Son Ltd's Project Manager:

**Andrew Macgregor**

Office hours

377 8295

Mobile

021 332 374

For enquiries regarding the project in general please contact the Council's Communication Co-ordinator:

**Kay Carston**

Office hours

372 2416

*If you would like more copies of this newsletter please contact Kay Carston (details above)*

This is the second issue of a newsletter, which will be regularly written during the construction of the Christchurch Art Gallery.

It will be distributed to those people who own and/or occupy properties within the immediate vicinity of the new Art Gallery site and any other interested parties.

Its primary aim is to provide timely and accurate information about the construction and details of people you can contact - should you need to do so.

## Update

Although the contractor C Lund & Son Ltd moved on to the Gallery site last December, the excavation work fully commenced this year resulting in a great pit which will be the Gallery's basement car parking.

The excavation uncovered existing foundations in the northern half of the site which were for a five-storeyed building which was never constructed. Because of the large amount of reinforcing, considerable effort was required to break up the foundations before they could be removed.

A secure corrugated iron fence was erected on the site's boundary and has peepholes placed along it at various heights so that everyone can see what's happening on site. The art murals, which were a distinctive feature on the perimeter prior to the start of the work, have been reinstated on the fence providing a visual clue to the site's final purpose.



*The peepholes are proving to be popular.*

Ground anchor work (this effectively holds the building down in place) has been undertaken intermittently throughout the year. The last of the 72 ground anchors, which are spread across the Gallery's footprint (the area on which the building will stand) and the courtyard area, has recently been completed.

By April the concrete basement pads and the first basement floor slabs, walls and columns (the columns support the floors above) were poured.

"With the initial excavation works there were trucks regularly moving into and out of the site, together with concrete breakers removing the existing foundations. While we tried to keep noise and dust to a minimum we greatly appreciated the understanding and patience of the people and businesses in the surrounding area," says Andrew Macgregor, C Lund & Son Ltd's Project Manager. "During the winter months dust shouldn't be a problem and we will continue to try to minimise noise - please bear with us."



**CHRISTCHURCH**  
CITY COUNCIL · YOUR PEOPLE · YOUR CITY



*Construction workers guide a concrete skip, which has been swung into place by the overhead tower crane, before pouring starts along the Worcester Boulevard perimeter.*

## What's happening over the winter?

A huge 150 tonne crawler crane has just joined the tower crane, which is already on site. The crawler crane will be involved in the lifting and moving of precast wall panels into place. It is able to achieve a greater reach and lifting capacity compared with the 80 tonne crane which has been on site.

June has seen the start of the pouring of concrete slabs for the ground floor while the pouring of the basement floor should be completed by the end of July providing the footprint for the entire building.

Naylor Love Mechanical, the subcontractor for the mechanical services aspect of the project (such as air conditioning), has recently set up on site. Their first task will be to add additional 'mechanical' detail to the existing plans before starting any physical work.

Temporary retaining walls (also known as shoring work) have been completed along the eastern boundary (next to the Chung Wah II Restaurant), the Worcester Boulevard perimeter and half way along Gloucester Street. It will continue along the rest of the Gloucester Street and Montreal Street perimeters. This work holds the sides of the basement excavation in place and will be removed when the Gallery's basement walls have been completed. The shoring work includes intermittent driving of steel columns into the ground which can result in localised vibration and noise.

## Did you know that ...

- the project will use 27,300 tonnes of concrete.
- the total weight of reinforcing which will be used is estimated to be 1,270,000 kilograms.



*La Lecture de la Bible by Henrietta Browne, (a painting from the City's permanent collection).*