

LADY HUNTINGFIELD EARLY YEARS AND FAMILY SERVICES CENTRE REDEVELOPMENT

CONSTRUCTION BULLETIN 2

January 2019

Works are progressing on site with the completion of the demolition works. Bulk excavation and the establishment of in-ground services have commenced. The installation of 18 ground heat exchangers which requires the drilling of 100 metre deep underground bores is well underway.



Above - demolition of the 70 year old 'American Colonial' style building which was built in 1939.

Noisy works

Works will be undertaken Monday to Friday between 7am to 7pm and Saturdays between 8am to 3pm.

The drilling of ground bores may generate low level noise.

Key dates

January 2019 - In-ground works

- Bulk excavations
- Establishment of in-ground services
- Installation of ground heat exchangers

February 2019 - Foundations

- Screw piling works
- Installation of lift shaft base
- Commencement of ground beams

March 2019 - Sub-Floor Works

- Commencement of sub-floor blockwork and columns
- In-situ concrete walls and blinding concrete for rocks
- Assembly of rocks to form a sub-floor labyrinth

Environmental Sustainable Design

As a city that cares for its environment and to achieve carbon neutrality in our buildings, our new facilities use a range of environmentally sustainable strategies to minimise environmental impacts during construction and over the life of the building. This approach will reduce energy demand and ongoing energy costs to the building, reduce our environmental footprint and help us to achieve our target of zero net carbon emissions.

The centre has been designed to harness renewable energy sources through the use of a ground heat exchanger, sub-floor rock pile for thermal energy storage and solar panels to generate electricity on site.

Other strategies employed in the project include natural ventilation, harvesting of rainwater, the use of water efficient fittings and LED light fittings throughout.



Above and below - specialised drilling rig to install the 100m deep geothermal bores

