

## DULAIWURRONG VILLAGE ELTHAM



### Location

Australia

### Office Responsible

Cardno Grogan Richards

### Responsibilities

Planning, Design and  
Documentation, Construction

### Contact

[cardno@cardno.com](mailto:cardno@cardno.com)

1300 782 171 (in Australia) or your  
local office

+61 7 3369 9822 internationally

[www.cardno.com](http://www.cardno.com)

### Project Scope

Dulaiwurrong is an Ecovillage sustainable housing development, built adjacent to the Diamond Creek in Eltham. The development has been founded on energy-conserving design and environmentally friendly building practices, with all houses required to:

- Meet a five star energy rating
- Be constructed from earth or timber
- Collect rainwater for reuse
- Employ both active and passive means of utilising solar energy.

Dulaiwurrong's proximity to the Hurstbridge train line follows the Government's concept of "transit cities", ensuring dependence on cars is minimised.

Cardno Grogan Richards was involved from the planning stages of the "eco-village", producing designs and managing the construction phase of the project.

A significant element of CGR's involvement was the design and construction of the storm water drainage, with a bioretention swale built into the bank of the Diamond Creek. This ensures discharges meet best practice guidelines, while minimising intrusion into the residential area of the property.

As the site had previously been filled with substandard material, major earthworks were undertaken at the

direction of CGR to provide an acceptable foundation for the development.

CGR's engagement also included the diversion and upgrade of sewer and water infrastructure to maximise lot yield and improve water flows.

Environmental concerns were managed carefully through design and construction, with numerous established trees integrated into the design.

Through the project CGR has demonstrated its commitment to sustainable design, with Dulaiwurrong's vision providing inspiration for future developments.