

Revitalizing Melbourne: Green Haven main expectations

Edgars Rd / Main Street Hub Melbourne, Australia



Land development plan

Our visionary project aims to transform the urban landscape of Melbourne, specifically focusing on the redevelopment of the Edgars Creek area. By harnessing the power of sustainable design and prioritizing the development of green spaces and educational facilities, we seek to create a thriving housing estate that promotes community engagement, environmental stewardship, and enhanced quality of life. Through the Reinventing Cities competition, we present a comprehensive plan that encompasses the revitalization of the shopping center, the expansion of green areas, and the integration of educational facilities, making Melbourne a model city for sustainable urban living.



Location



Photos of existing state

Our project envisions a Melbourne housing estate that sets new standards for sustainability, livability, and community well-being. Through the integration of green areas, the revitalization of Edgars Creek, the development of educational facilities, and the redesigned shopping center, we aim to create a harmonious and resilient urban environment. By reinventing the city with sustainability at its core, we envision a future where Melbourne stands as a global model for green living and urban innovation.

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1. Redesigned Shopping Center

The existing shopping center will undergo a transformative redesign, becoming a vibrant and sustainable hub for the community. Our plan includes incorporating green spaces within and around the center, creating a seamless connection between retail spaces and nature. Emphasizing local businesses and sustainable practices, the redesigned center will showcase environmentally friendly products and services. The integration of smart technologies will enhance energy efficiency and facilitate a seamless shopping experience for residents.



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Shopping Center



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2. Pedestrianization and Safety Measures

To ensure the safety and well-being of residents, the project proposes the transformation of the main road adjacent to the school into a pedestrian-only street. Key measures include:

- a) Traffic Diversion: Re-routing vehicular traffic away from the school area, reducing congestion and improving pedestrian safety.
- b) Pedestrian Infrastructure: Designing wider sidewalks, adding crosswalks, installing street lighting, and implementing traffic-calming measures to enhance walkability and accessibility.
- c) Active Transport Promotion: Encouraging walking, cycling and the use of public transport by providing secure bike storage, bike lanes and improved access to public transportation hubs.



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Footbridge



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3. Edgars Creek Enhancement

Edgars Creek will be transformed into a vibrant and ecologically rich waterway, serving as the focal point of the housing estate. The restoration and rejuvenation of the creek will involve removing invasive species, improving water quality, and creating natural habitats for aquatic life. We will also incorporate flood management strategies to mitigate potential risks, ensuring the safety and well-being of the community. Pedestrian bridges and seating areas will be installed to enable residents to fully engage with the natural beauty of the area.



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Edgar Creek Revitalization



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4. Educational Facilities

We recognize the crucial role of education in fostering a sustainable future. Therefore, our project includes the development of state-of-the-art educational facilities within the housing estate. These facilities will cater to learners of all ages, from early childhood centers to primary and secondary schools. Our design will prioritize sustainability education, ensuring that future generations grow up with a deep understanding of environmental responsibility. These educational institutions will act as community hubs, fostering collaboration and providing spaces for lifelong learning. We are also designing a community center building for residents which is part of a green corridor leading towards the river. The building is part of a footbridge connecting the shopping center to the Edgars Creek river.



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Education facilities



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5. Sustainable Housing

Our housing estate will prioritize sustainable design principles, utilizing innovative construction materials and energy-efficient technologies. Buildings will be designed to maximize natural light and ventilation, reducing energy consumption and promoting a healthy indoor environment. Rooftop gardens and green walls will further enhance the integration of nature within the built environment. Rainwater harvesting systems and solar panels will be incorporated to reduce the ecological footprint and promote self-sufficiency.



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Each house has 6 separate and comfortable apartments designed so that each group of recipients, no matter what age, will feel here like home. Private gardens, the possibility of growing your own plants and convenient attractions needed in everyday life have been provided.