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Green Travel Plan
160 Whitehorse Road, Blackburn

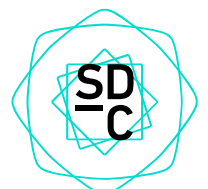
PLANNING AND ENVIRONMENT ACT 1987 WHITEHORSE PLANNING SCHEME

31/07/2019

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CITY OF WHITEHORSE

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Proposed Mixed-use Development 160 Whitehorse Road, Blackburn

Green Travel Plan

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2a	04-04-2019	Minor amendments	SD	LR

1. Introduction

The impacts associated with transport are often ignored when considering the environmental effect of one's lifestyle. Increasing dependency on private motor vehicles negatively impacts local and global air and water quality, as well as generating significant noise pollution. Single occupant motor vehicles also release a substantial volume of greenhouse gas and other pollutants into the atmosphere. Moreover, reliance on private motor vehicles also adds to increased levels of road congestion, which in turn results in delayed travel times, commuter stress and further wear and tear on roads.

There are many alternative ways, collectively known as Green Travel Alternatives, to transport people, besides relying on single occupant private motor vehicles. Green Travel refers to the use of transport modes that enable people to journey between places, whilst reducing their impact on the environment.

The aim of this Green Travel Plan is to minimise single occupant car travel by fostering and encouraging a culture of alternatives, including use of public transport, walking and cycling, particularly for residents, staff and visitors to the development. Without these strategies being implemented, individuals are more likely to experience many hours stuck in congestion and high vehicle running costs¹.

1.1 Proposed Development

The proposed development is located at 160 Whitehorse Road, Blackburn on the corner of Railway Road and Whitehorse Road, approximately 16km east of the Melbourne CBD. The site is currently used as car parking.

The proposed development will consist of four new mixed-use buildings which, in total, will contain 15 retail tenancies, six office tenancies and 188 residential apartments with hi-end common areas. The development will also include a five-level basement carpark.

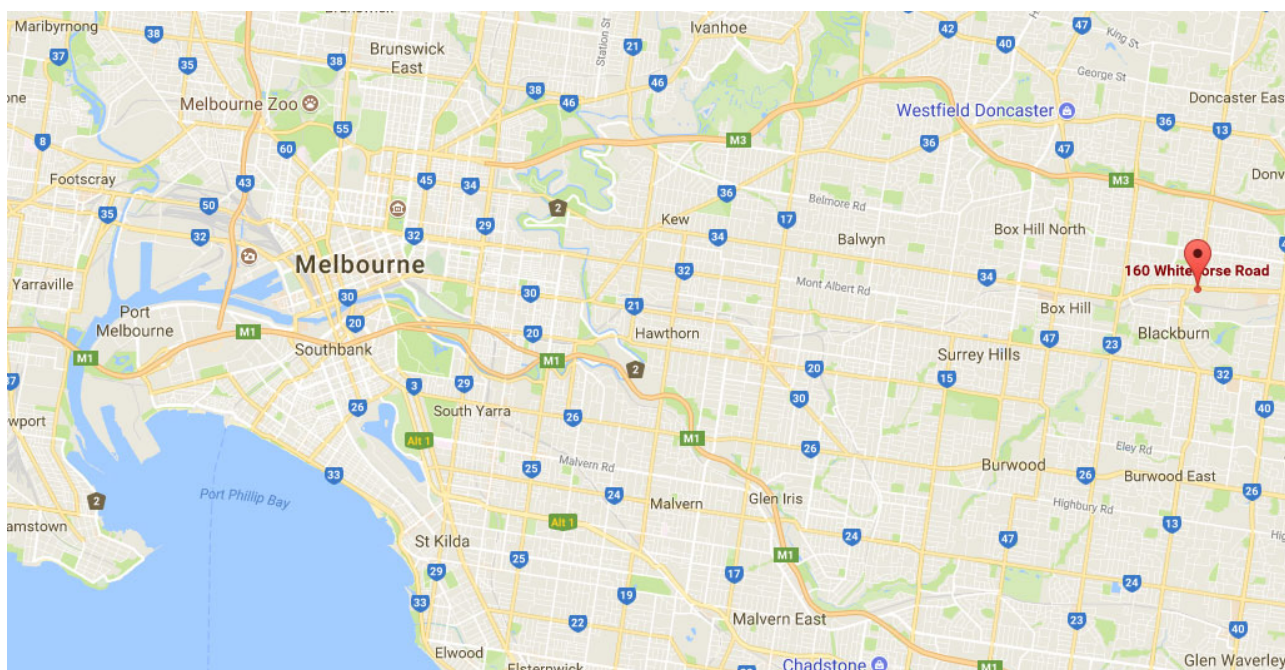


Figure 1: Location of the 160 Whitehorse Road development in relation to the Melbourne CBD (Source: Google Maps)

¹ Excerpt from Section 6.2 "Accessibility" of the Australian Government's "Our Cities" Background Paper, which stipulates that changing travel patterns and reducing car dependency are key initiatives to sustainable transportation.

The development summary is as follows:

Development Summary	
Total Site Area	8,760m ² (approx.)
Basement Levels 1-5	<ul style="list-style-type: none"> • 2 x commercial tenancies (retail) • 731 x car parking spaces (204 car spaces for residents, 13 for visitors, 25 spaces for staff, 65 car spaces for retail customers, 69 car spaces for Aldi customers and 355 car spaces for offices) • 12 x motorbike parking spaces • 87 x bicycle storage spaces (14 spaces for external visitors / customers, 46 for offices, 14 for residents and 13 for retail staff)
Ground Floor	<ul style="list-style-type: none"> • 13 x commercial tenancies (retail) • 1 x office tenancy • 126 x bicycle storage spaces (101 spaces for residents and 25 for external visitors/customers)
Levels 1-7	<ul style="list-style-type: none"> • 5 x office tenancies • 188 apartments (50 x one bedroom, 126 x two bedroom and 12 x three-bedroom)
Total	188 apartments, 15 commercial tenancies, 6 office tenancies, 731 carpark spaces, 12 motorbike spaces and 213 bicycle spaces.



Figure 2: Proposed development site at 160 Whitehorse Road, Blackburn (Source: Nearmap)

1.2 Objectives of this Green Travel Plan

This Green Travel Plan seeks to achieve the following specific objectives:

- To promote green travel options to staff within the building.
- To establish and maintain current public transport and other transport information at all times.
- To provide and maintain secure bicycle facilities on an on-going basis.
- Full staff awareness of availability of public transport fares and on-line delivery services.
- Annual evaluation of the Green Travel Plan (including its effectiveness) for at least three years.

Sections 2 to 4 outline the Green Travel methods proposed by this document and Section 5 will focus on the implementation of these initiatives.

2. Promotion of Public Transport

Public transport options for the development will be promoted through visual prompts (*See also Section 5*). Residents, retail and office staff, and visitors will be made aware of these transport options, through appropriate signage as they enter and exit the site. Sign posts will be installed at the main entrances to the development located at Whitehorse Road and Railway Road. They will direct people towards local public transport options and amenities and will include information about distances via walking and cycling to them – e.g. Blackburn Station, 10 mins (Lilydale and Belgrave Lines).



Figure 3: Examples of signposts with directions toward local public transport

2.1 Public Transport Services

The development site has access to some of Melbourne's Public Transport services which will allow visitors and staff to access the site without using their personal cars. Blackburn Railway Station is within a 10 minute' walk from the development and provides direct access to the Lilydale and Belgrave Lines. In addition, stops for five different bus routes are well within walking distance from the development.

2.1.1 TRAIN SERVICES

Blackburn Train Station is approximately 750m north-west of the Whitehorse Road development. This station provides access to trains servicing the Lilydale and Belgrave Lines. All four platforms can be accessed easily on foot or bicycle from the development.

Service frequencies operate approximately every 15 minutes Monday to Fridays (service frequency increases to every 5-10 minutes during peak hours) and every 10 minutes on Weekends. Evening services operate every 15 to 30 minutes.

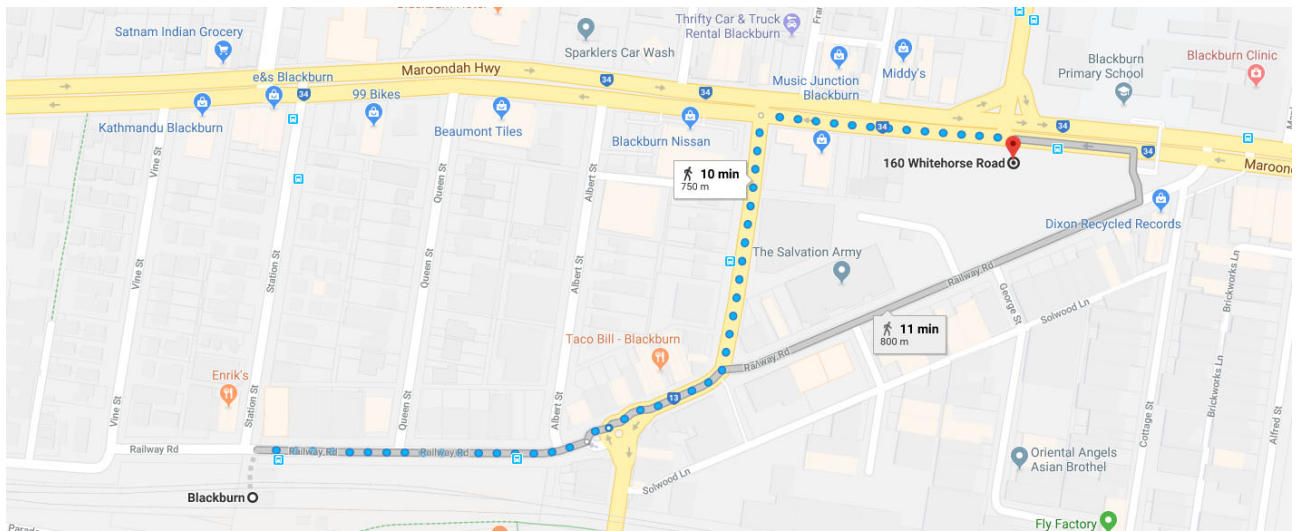


Figure 4: Directions from the site to Blackburn Station

2.1.2 BUS ROUTES

The following bus routes are available within a walking distance from the development:

Route 271: Box Hill – Ringwood via Park Orchards (closest stop on Surrey Road, 98m)

Route 279: Box Hill – Doncaster SC via Middleborough Rd (closest stop on Surrey Road, 98m)

Route 703: Middle Brighton – Blackburn (closest stop on S Parade, 750m)

Route 736: Mitcham – Knox City (closest stop on S Parade, 750m)

Route 765: Mitcham – Box Hill (closest stop on S Parade, 750m)

Route 969 (Smart Bus): City – Caulfield – Ferntree Gully Rd – Rowville – Wantirna – Ringwood (closest stop on Surrey Road, 98m)

These bus routes will provide access to surrounding suburbs and to additional train stations and bus routes.

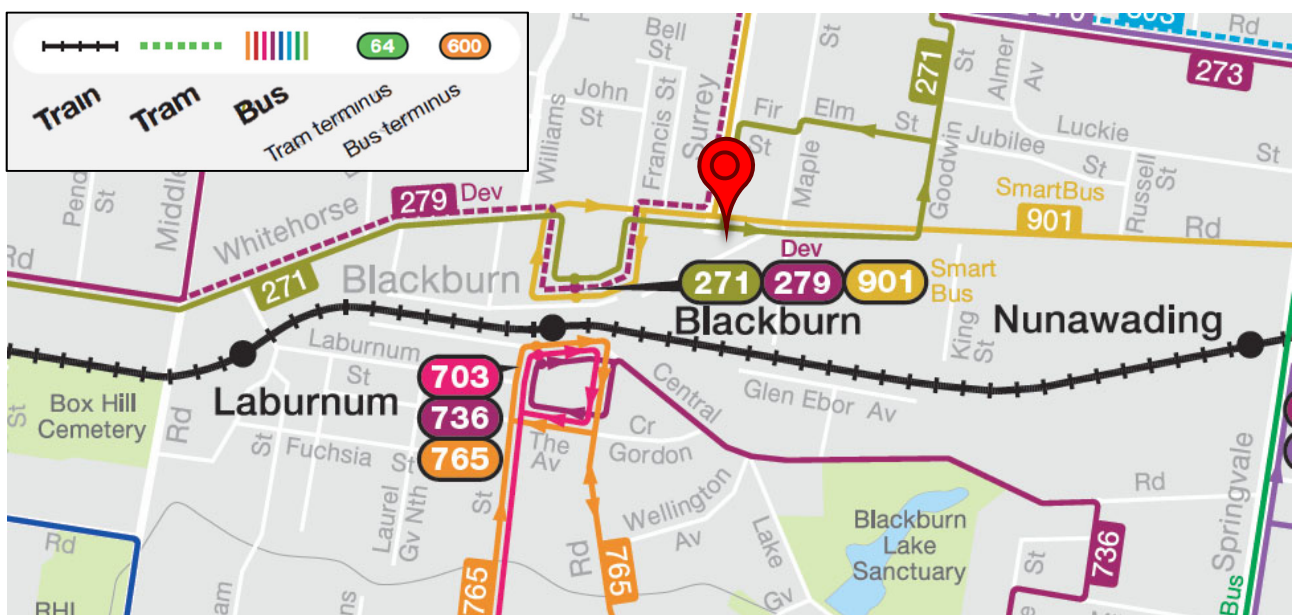


Figure 5: Public transport options for 160 Whitehorse Road, Blackburn (Source: PTV)

3. Alternative Modes of Transport

Non-motorised forms of travel will be promoted throughout the facility using a range of prompts. This will be achieved through the preparation of Welcome Packs, Building User Guides and Information Boards, which will encourage residents, staff and visitors to use non-motorised means of travel.

3.1 Cycling

Cycling is one of the healthiest and most sustainable forms of Green Travel. Cycling is usually much faster than walking, and when traffic is heavy, it can be much quicker to travel by bike than by car or public transport.

Whitehorse offers some fantastic off-road cycling routes as well as a great network of on-road bicycle paths. A range of informal bike routes, on-road bike lanes and off-road shared paths surrounding the development will provide convenient and safe routes for cycling.

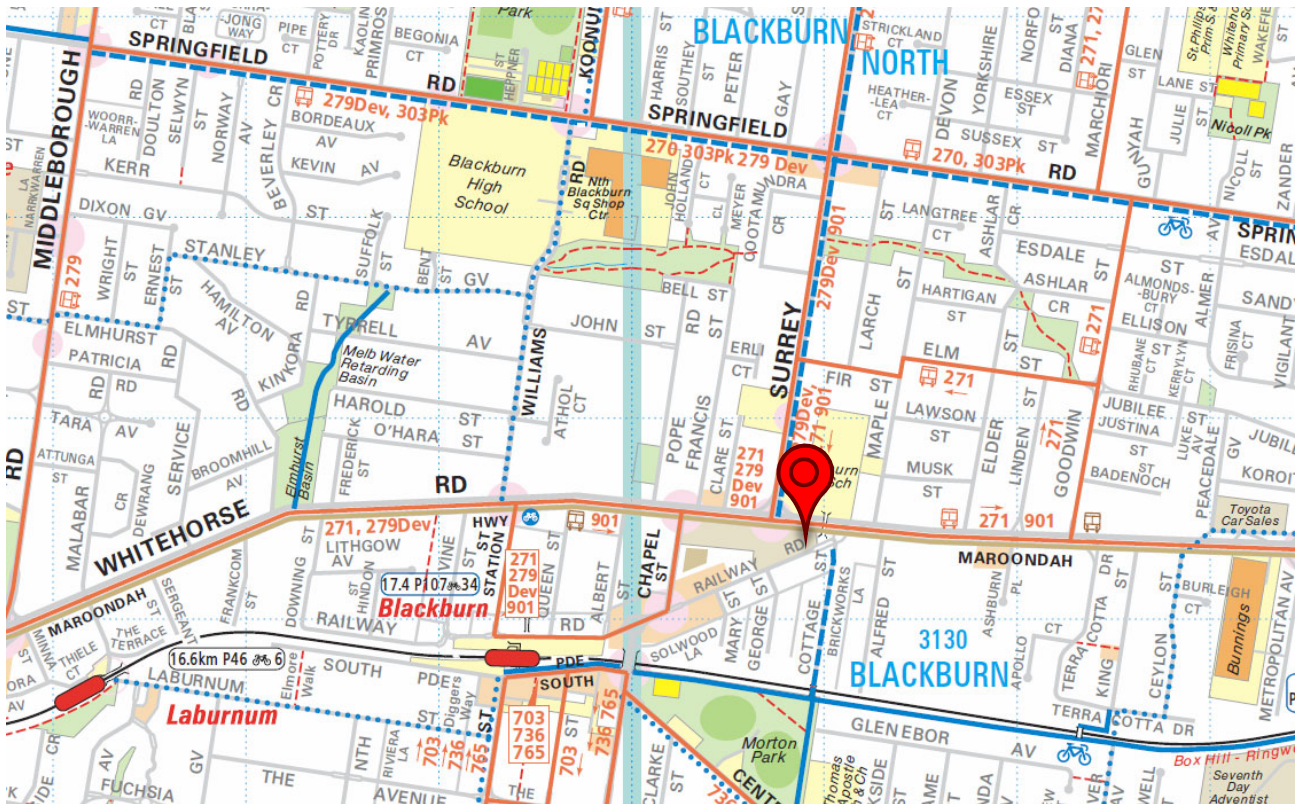


Figure 6: Bicycle routes options for 160 Whitehorse Road, Blackburn

For more information regarding bicycle routes, please refer to the Bike routes and Maps available at the City of Whitehorse website:

<http://www.whitehorse.vic.gov.au/IgnitionSuite/uploads/docs/Whitehorse20TravelSmart%20Map%202018.pdf>

To encourage cyclists to ride to and from the development, the design incorporates a total of 213 bike spaces, allocated as follows:

- 126 bicycle spaces located on the Ground Floor Level, 101 of these spaces will be designated for residential use and 25 for commercial customers/visitors; and
- 87 additional bike storage spaces on Basement 1 and 2 from which 14 spaces will be allocated for external visitors/customers, 46 for office occupants, 14 for residents and 13 for commercial staff.

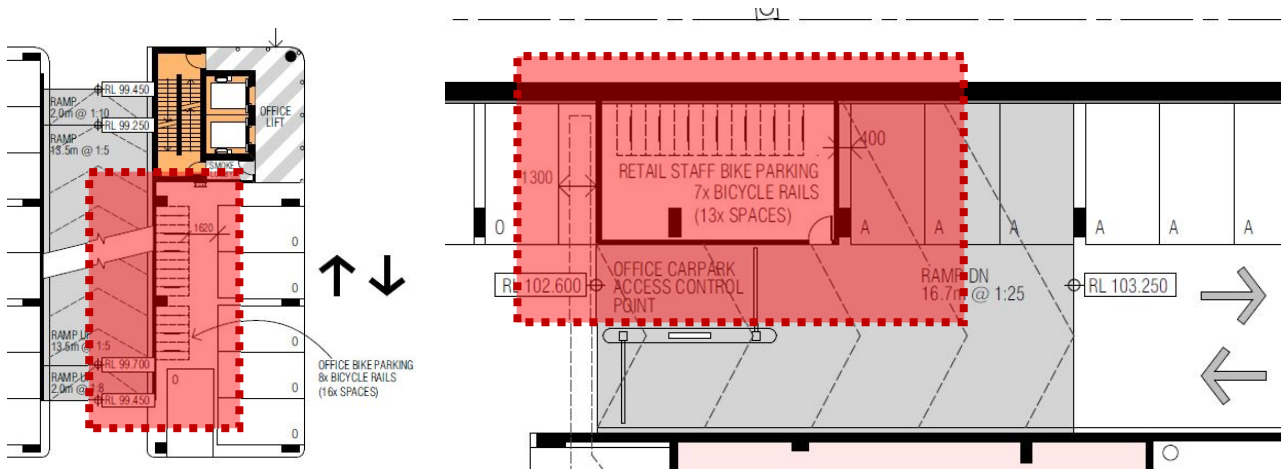


Figure 7: Example of bicycle spaces on Basement 1

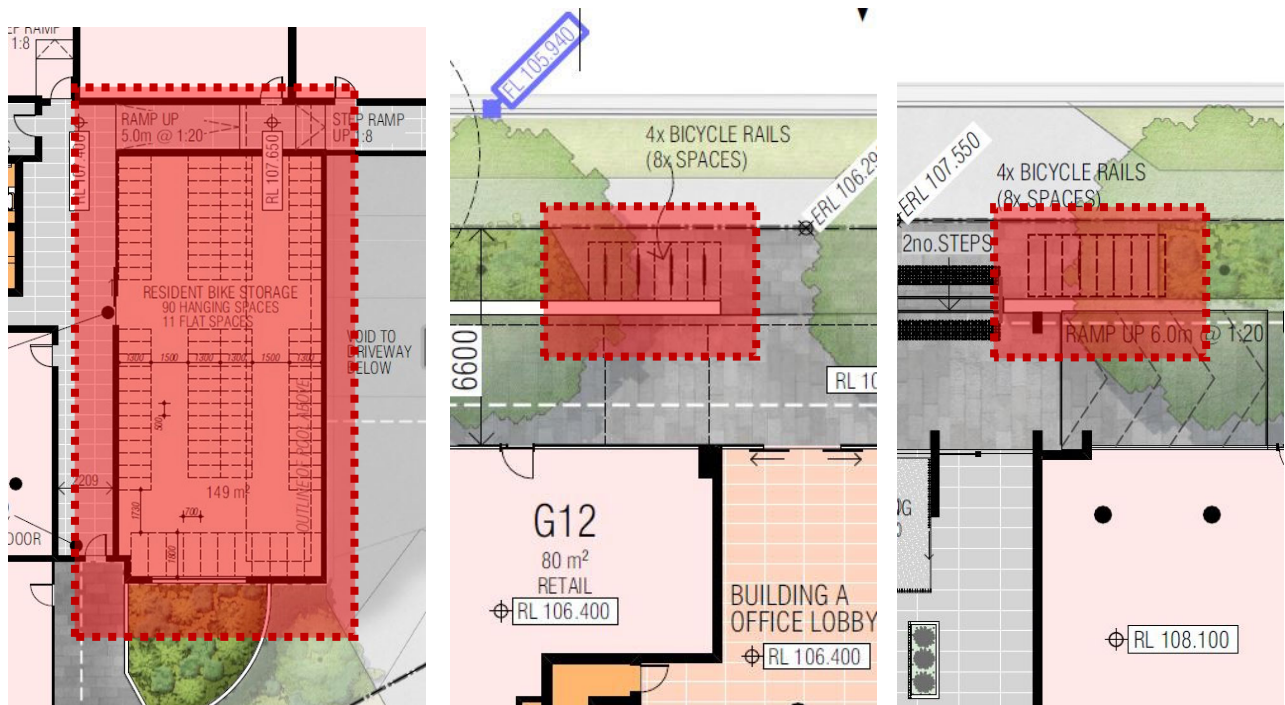


Figure 8: Proposed location of the bicycle storage spaces on the Ground Level

The bicycle storage spaces mentioned above will be complemented with the following end-of- trip facilities:

- 10 showers (5 x female showers and 5 x male showers), with their respective changing facilities; and
- 52 lockers (26 x female lockers and 26 x male lockers).

The proposed end-of -trip facilities will facilitate staff and visitors to use a bicycle to commute in and out the development.

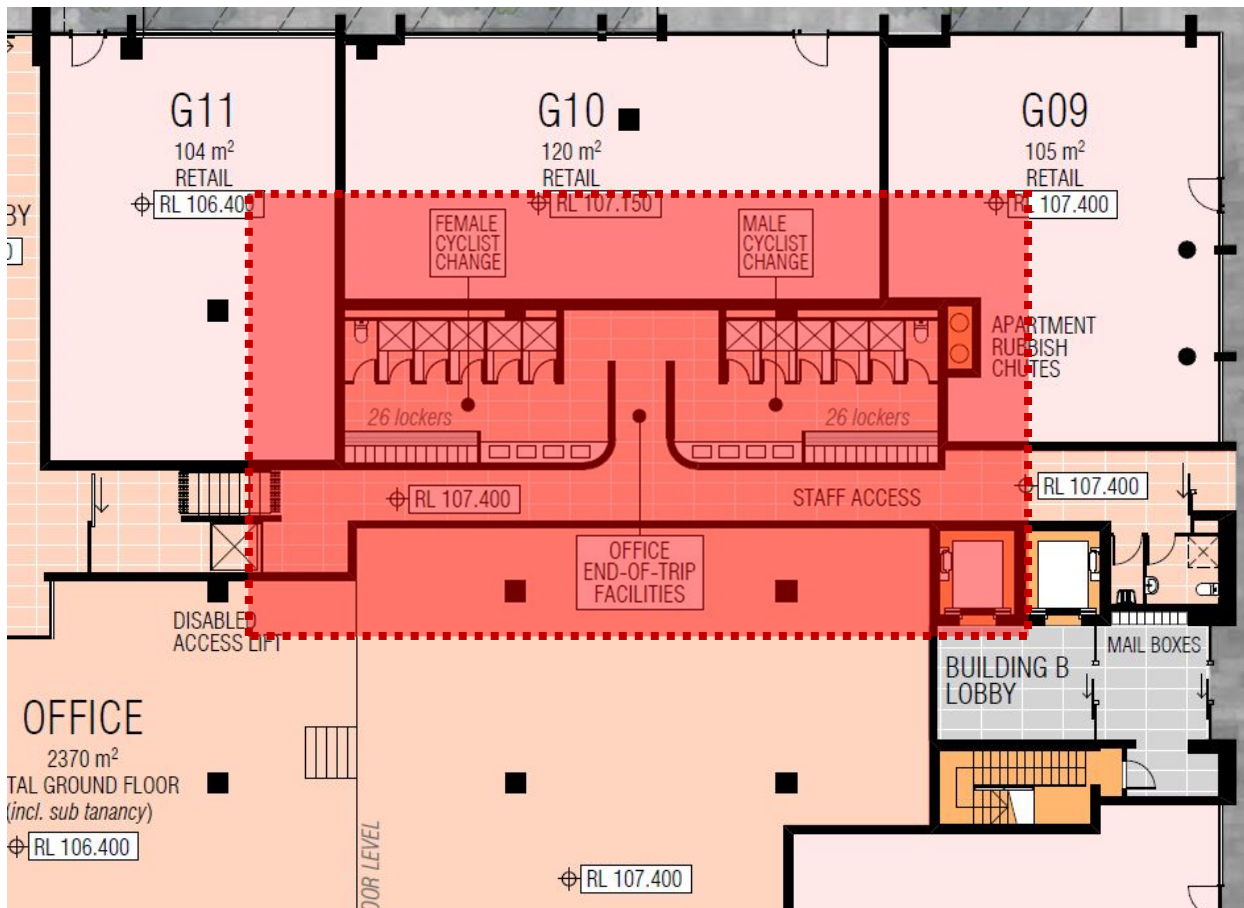


Figure 9: Proposed location of the end-of trip facilities (showers and lockers) on the Ground Floor Level

3.2 Walking

The site is accessible via the established network of footpaths throughout Blackburn, and linkages to the surrounding areas and regional trails. There are numerous parks and reserves within a close walking distance from the development. Staff, residents and visitors will have the opportunity to take a stroll and exercise.

Additional information regarding facilities in the local area and walking groups can be found at:

- Google Maps: www.google.com.au/maps
- City of Whitehorse Website: <http://www.whitehorse.vic.gov.au/IgnitionSuite/uploads/docs/Walking%20and%20Wheeling%20Guide.pdf>
- The Yellow Pages: www.yellowpages.com.au
- Or alternatively True Local Business Directory: www.truelocal.com.au

3.2.1 WALK SCORE

To emphasise this aspect, the site's location has been assessed using the "WalkScore" location performance tool. This tool takes into account the number of facilities within close proximity and provides a numerical score of between 1 and 100, with 1 being heavily car dependant with access to community facilities that are located some distance away, and 100 reflecting a location that is easily accessible to abundant facilities by foot. In the case of this development, it achieves a score of 85 out of 100, which is considered as "Very Walkable", whereby most errands can be accomplished on foot.

160 Whitehorse Road

Blackburn, Melbourne, 3130

Commute to **Downtown Melbourne**

27 min 41 min 60+ min 60+ min

What's Nearby

Restaurants:

Blackburn Lunchbox .09km

Coffee:

Cafe Vanilli .2km

Bars:

Element Lounge .5km

Groceries:

Blackburn Village Licenced Su... .5km

Parks:

Morton Park .4km

Schools:

Blackburn Primary School .1km

Shopping:

SPT Football .2km

Entertainment:

Hoyts Forest Hill 2.1km



Figure 10: Walkscore map and score for 160 Whitehorse Road, Blackburn.

3.3 Motorbikes

The development will feature a total of 12 motorbike parking spaces. Four spaces will be located on Basement Level 3 and eight additional spaces will be located on Basement Level 2.

Motorbikes represent a more sustainable transport option compared to private cars. They use less fuel than cars and can provide many of the individual freedoms associated with them with less environmental costs.

3.3 Carpooling

Private carpooling arrangements between residents and staff will be encouraged. This will assist in reducing the traffic movements within the site and surrounding streets, which in turn also assist in reducing congestion and vehicle emissions.

Building User Guides and Welcome Packs will promote the use of a car-pooling app and websites such as:

- Carma Carpooling: www.carmacarpool.com
- Carpool One: www.carpoolone.com.au

These and other similar apps are available for smart phones or tablets.

4. Car Travel

4.1 Personal Vehicle Storage

A total of 731 carpark spaces will be provided for the 160 Whitehorse Road development distributed on Basement Levels 1 to 5. These spaces will be allocated as follows:

- 237 carpark spaces for office tenancies on Basement 5, 4 and 3;
- 204 carpark spaces for residents on Basement 3 and 2;
- 60 carpark spaces for office tenancies on Basement 2;
- 13 carpark spaces for residential visitors on Basement 2;
- 66 carpark spaces for retail customers on Basement 2;
- 24 carpark spaces for retail staff located on Basement 2;
- 69 carpark spaces for Aldi customers on Basement Level 1; and
- 58 carpark spaces for office tenancies located on Basement Level 1.

The parking can be accessible through the main entrance driveway at Railway Road.

5. Actions & Implementation of the Green Travel Plan

For the provisions of this plan to be met, the following actions will be undertaken to implement the initiatives listed in the previous Sections.

Green Travel Plan actions, estimated costs and timescales and responsibilities are outlined as follows:

Requirement	Action	Responsibility
a) Train and bus timetables available to all residents, staff and visitors	<p>Links to public transportation website and apps available for smart phones will be noted in the Welcome Packs and Building User Guide App provided to the residential and commercial tenants.</p> <p><i>Estimated Cost: Free/ minor print costs</i></p> <p><i>Timing: Prior to occupation and ongoing for new tenants</i></p>	Developer of the Welcome Packs
b) Bicycle parking areas installed in well secured and prominent locations	<p>Bike racks and hoops will be installed where necessary.</p> <p><i>Estimated Cost: N/A (Part of construction)</i></p> <p><i>Timing: Prior to occupation</i></p>	Builder
c) Staff & visitors made aware of the bicycle parking locations	<p>The locations of staff and visitors bicycle storage areas will be highlighted in the Welcome Packs and Building User Guide App. In addition, permanent signage will be installed.</p>	Builder / Developer

Requirement	Action	Responsibility
	<i>Estimated Cost:</i> N/A (Already included in Welcome Packs and Part of construction) <i>Timing:</i> Prior to occupation and ongoing	
d) Installation of information board/ sign at the entrance of the development indicating the location of bicycle paths, railway stations, bus stops, and reminders to encourage car-pooling	An information board or sign will be provided at the main entrance of the development. <i>Estimated Cost:</i> Approximately \$500 - \$1,000. <i>Timing:</i> Prior to occupation	Facility's Owner
e) Encourage carpooling by providing relevant information	Links to carpooling apps and websites will be noted in the Welcome Packs and Building User Guides provided to all tenants and staff. <i>Timing:</i> As per requirement	Facility's Owner
f) Monitor and review the Travel Plan on an annual basis for at least three years	As per requirement <i>Estimated Cost:</i> \$800 <i>Timing:</i> As per requirement	Facility's Owner
g) Provide myki as part of welcome packs	A Myki card is to be offered to each apartment and retail tenancy as part of the welcome pack. <i>Estimated Cost:</i> \$6 per card <i>Timing:</i> As requested by new residents / staff	Developer

6. Conclusion

Commuting by a different method other than in a single occupant car even one day a week can make a big difference. As outlined in Sections 2 & 3 of this Green Travel Plan, there are a range of alternative sustainable transport options available for staff and visitors to use in their daily travels. These will assist in reducing the use of single-occupant cars and will also reduce greenhouse gas emissions substantially.

Adopting these initiatives to translate into the daily routine will bring significant environmental, financial and health benefits for the residents, staff and visitors of the 160 Whitehorse Road development.

Appendix A: Additional Information

For Bus, Train and Tram timetables visit:



<http://ptv.vic.gov.au/>

For other sustainable transportation options, visit City of Whitehorse website:



<http://www.whitehorse.vic.gov.au/sustainable-transport.html>

For myki pass and fare details visit:



<https://www.mymyki.com.au/>