

19 July 2021

Clarke Hopkins Clarke Architects

Via email: hunlin.neo@chc.com.au

Attention: Hun Lin Neo

Saint Ignatius College Geelong

Vehicle Access Review

Dear Hun Lin,

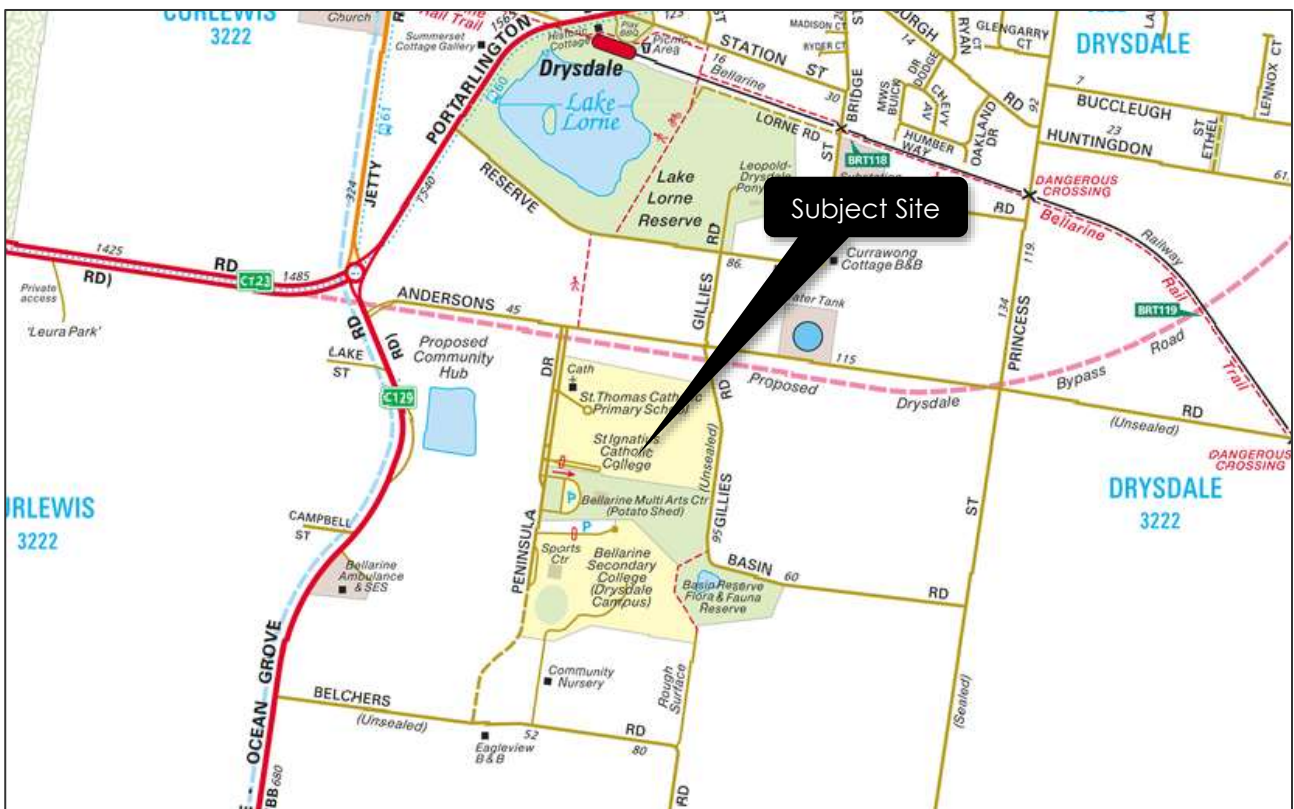
Introduction

onemilegrid has been requested by Clarke Hopkins Clarke Architects to undertake a review of the proposal to provide access to the Saint Ignatius College Geelong via Gillies Road.

Existing Conditions

The subject site is located approximately 500 metres east of the intersection between the arterial roads High Street, Portarlington Road and Grubb Road as shown in Figure 1.

Figure 1 Site Location



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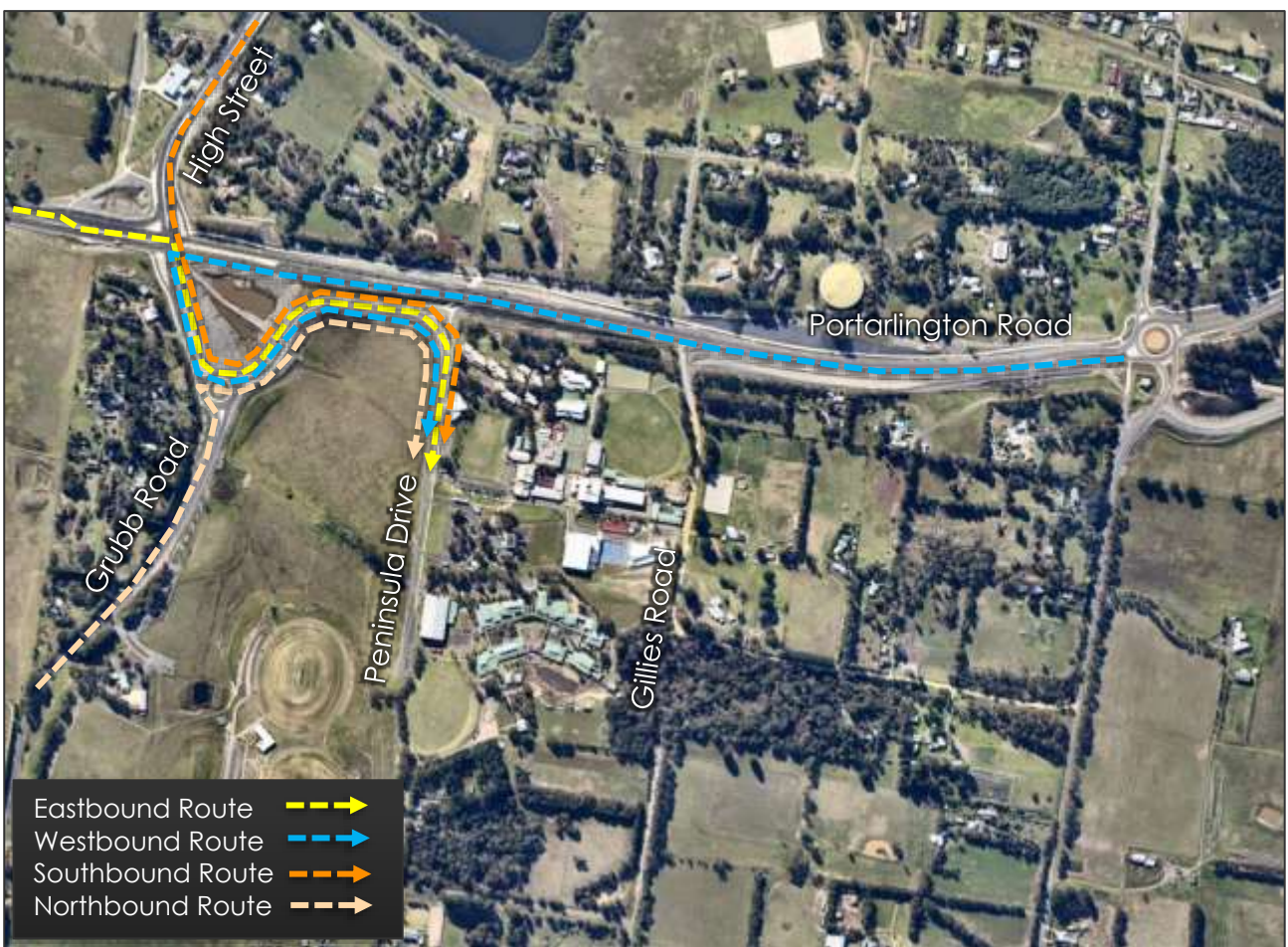
Saint Ignatius College is bound by Portarlington Road to the north, Peninsula Drive to the west and Gillies Road to the east.

Access to the site is currently provided from Peninsula Drive and leads to the pick-up / drop-off car parking area and the staff car parking area. Informal access to the site is also provided from Gillies Road, which is an unsealed road from approximately 90 metres south of the intersection with Portarlington Road.

Due to the only available access point for parents being via Peninsula Drive, vehicles travelling westbound along Portarlington Road are required to use the Portarlington Road / Grubb Road signalised intersection and the Grubb Road / Peninsula Drive roundabout pick-up/drop-off students. Information provided by the operator indicates that Peninsula Drive observes significant traffic congestion during peak school times as a result of the above.

The existing vehicle routes to access the site from each direction available to parents are detailed below in Figure 2.

Figure 2 Existing Access Routes

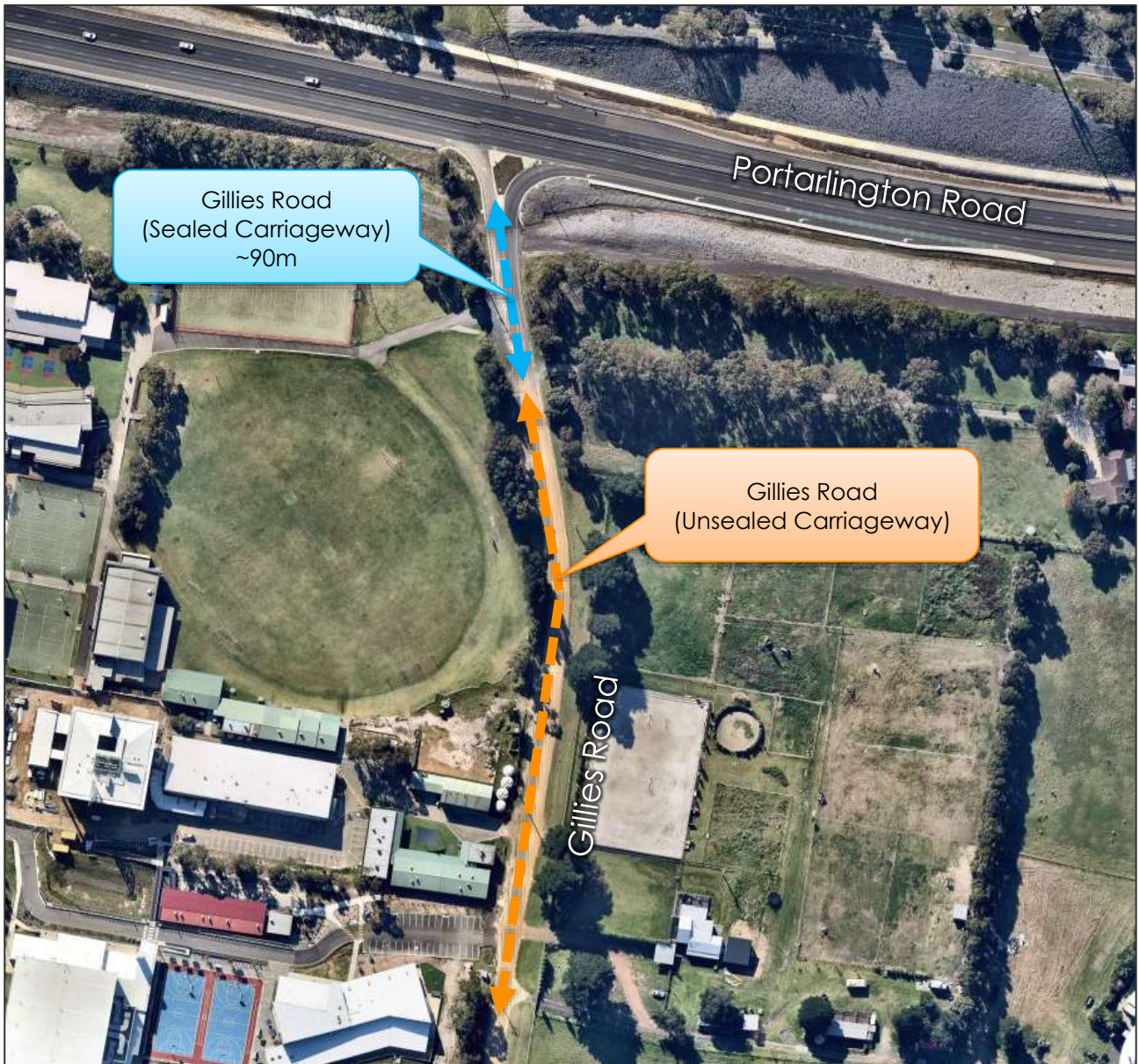


Copyright Nearmap

The existing conditions of Gillies Road is show below in Figure 3, detailing the extent of the sealed section of carriageway and the continuation of the unsealed road.

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Figure 3 Existing Conditions – Gillies Road



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Proposal

It is proposed to provide access to Saint Ignatius College from two location on Gillies Road. The concept plan of the Gillies Road access is shown below in Figure 4, and is provided as an attachment to this letter.

Figure 4 Gillies Road Site Access – Concept Plan



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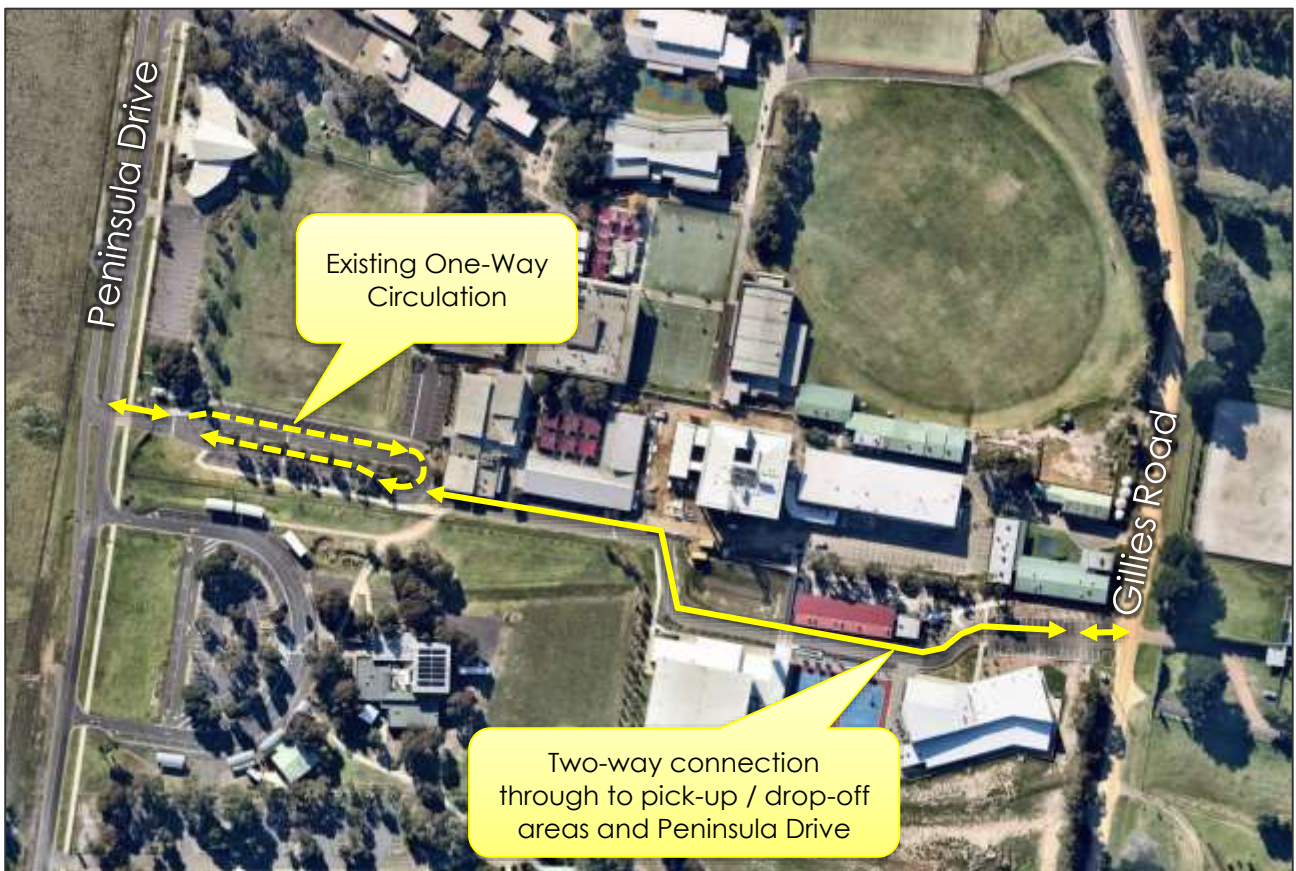
Swept paths have been provided as an attachment to this letter, showing that two B99 vehicles can travel along Gillies Road and access the school car park simultaneously.

The proposed access to Gillies Road will allow formal access to the staff car park, and with the recently constructed internal road connecting the staff car park through to the parent pick-up/drop-off area and Peninsula Drive, vehicles will now be capable of accessing the site from either Gillies Road or Peninsula Drive, thereby easing traffic congestion on Peninsula Drive during peak school periods.

The existing connection of Portarlington Road / Gillies Road is a left-in/left-out arrangement and there are no proposed changes to this intersection as part of the proposed works.

A view of the internal road connection is shown below in Figure 5.

Figure 5 Internal Circulation



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Post-Upgrade Vehicle Routes

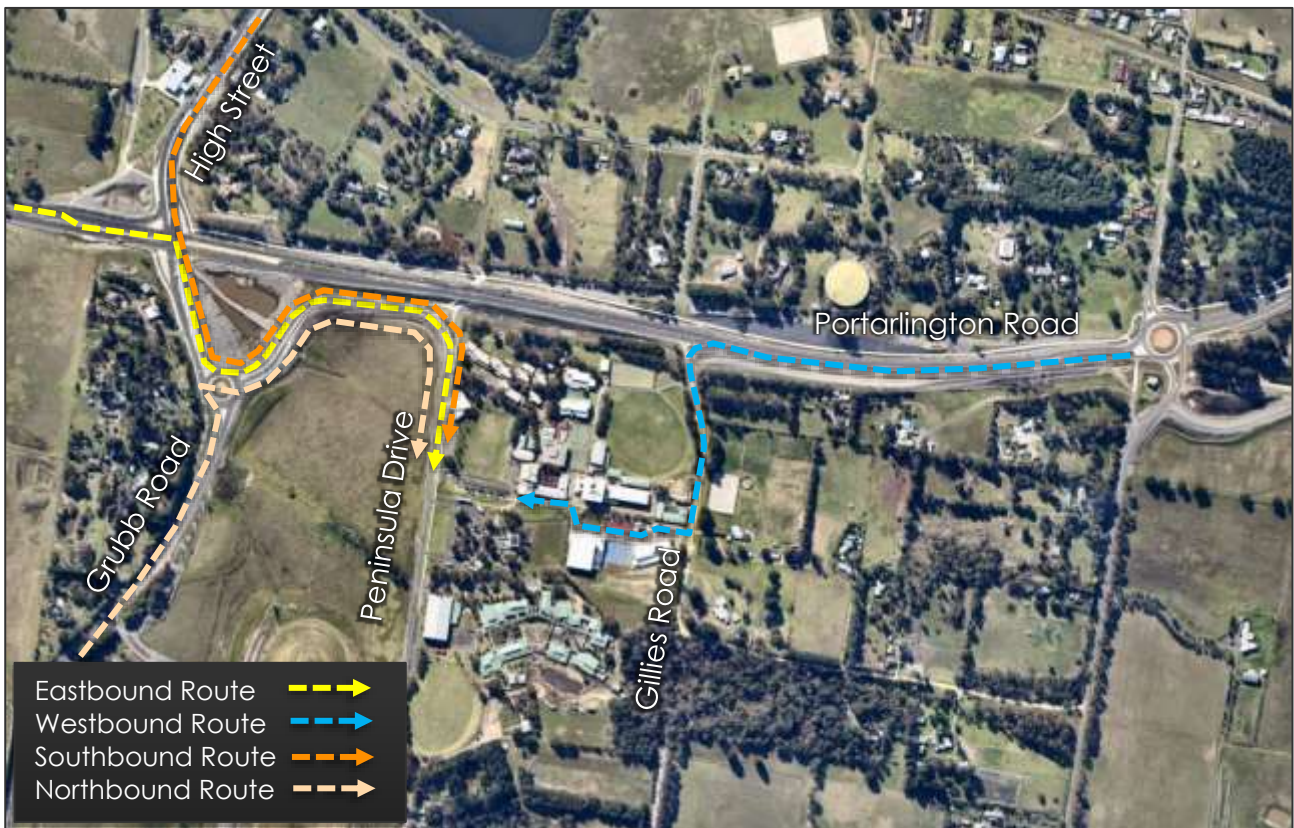
As noted above, with the Gillies Road site access and the recently constructed internal linking road, vehicles can access the site via Gillies Road.

The expected vehicle routes are detailed below:

- Inbound:
 - + Westbound: Portarlington Road, Gillies Road, Saint Ignatius College
 - + Eastbound: Portarlington Road, Grubb Road, Peninsula Drive, Saint Ignatius College
 - + Southbound: High Street, Grubb Road, Peninsula Drive, Saint Ignatius College
 - + Northbound: Grubb Road, Peninsula Drive, Saint Ignatius College
- Outbound:
 - + Westbound: Saint Ignatius College, Peninsula Drive, Grubb Road, Portarlington Road **or** Saint Ignatius College, Gillies Road, Portarlington Road
 - + Eastbound: Saint Ignatius College, Peninsula Drive, Grubb Road, Portarlington Road
 - + Southbound: Saint Ignatius College, Grubb Road
 - + Northbound: Saint Ignatius College, Peninsula Drive, Grubb Road, High Street **or** Saint Ignatius College, Gillies Road, Portarlington Road, High Street

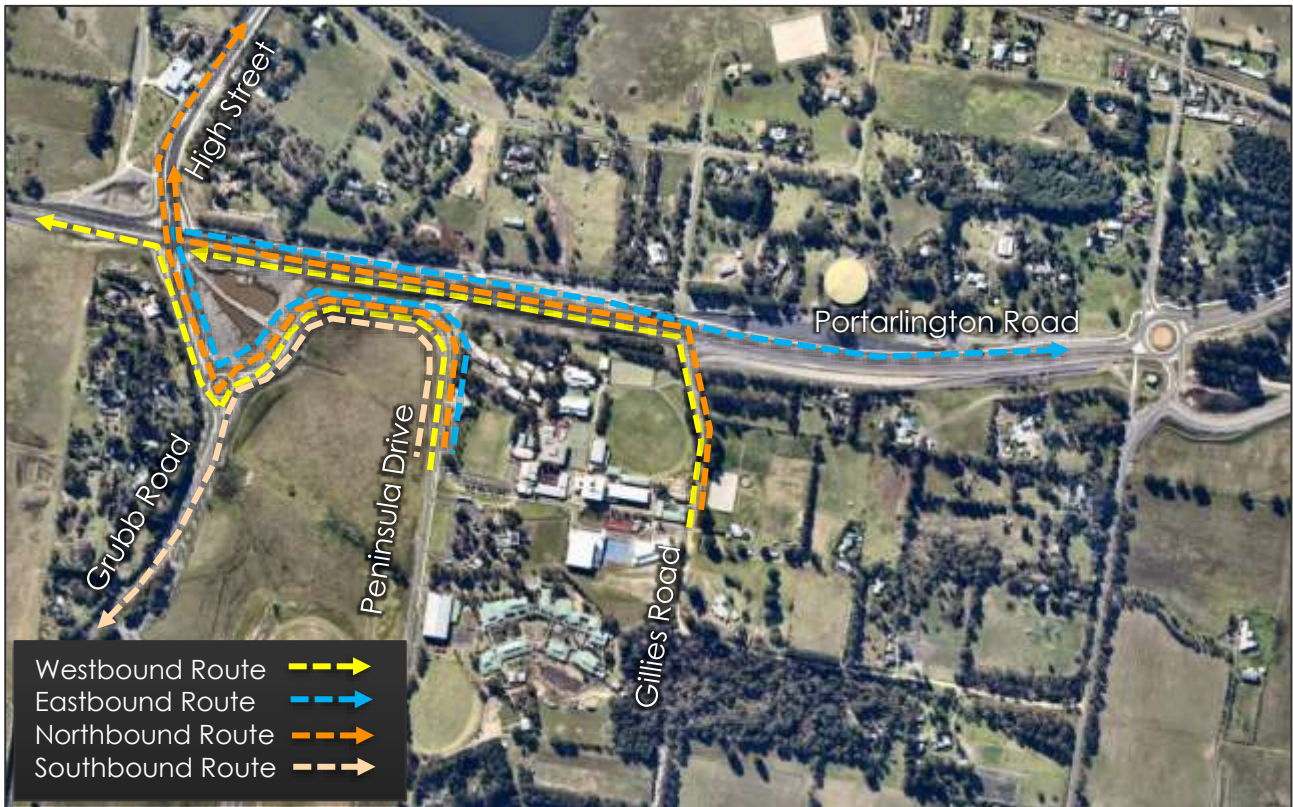
The expected post-upgrade inbound and outbound vehicle routes are shown below in Figure 6 and Figure 7.

Figure 6 Inbound Access Routes



Copyright Nearmap

Figure 7 Outbound Access Routes



Copyright Nearmap

Furthermore, as the connection of Portarlinton Road / Gillies Road is a left-in/left-out arrangement, the increase in traffic volumes entering and exiting Gillies Road is not expected to have any material impact on the operation of the intersection or the surrounding road network.

Please do not hesitate to contact the undersigned, or Jayden McClintock on (03) 9982 9755 or at jayden.mcclintock@onemilegrid.com.au, should you wish to discuss the above.

Yours sincerely,



Jamie Spratt

Director

onemilegrid

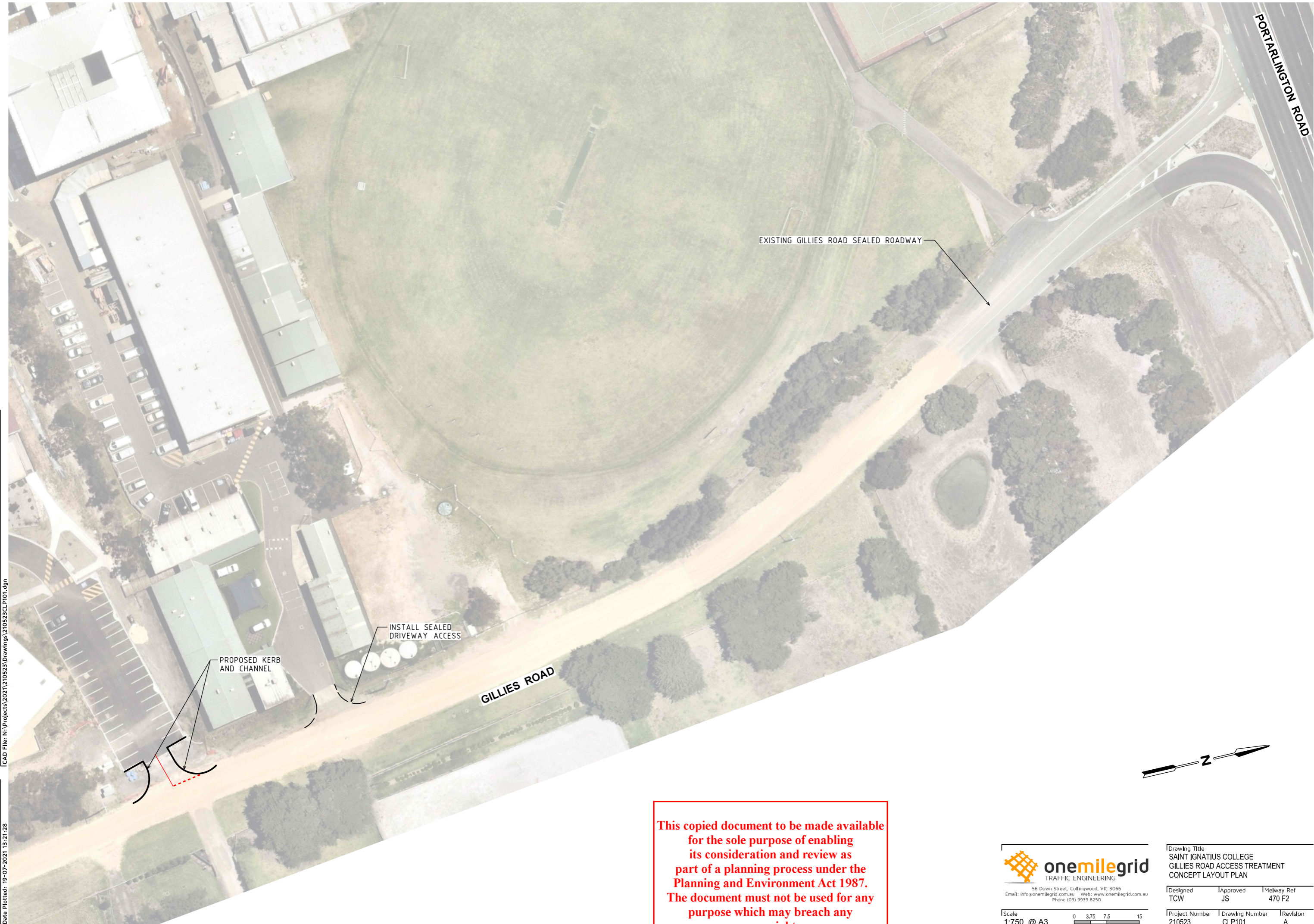
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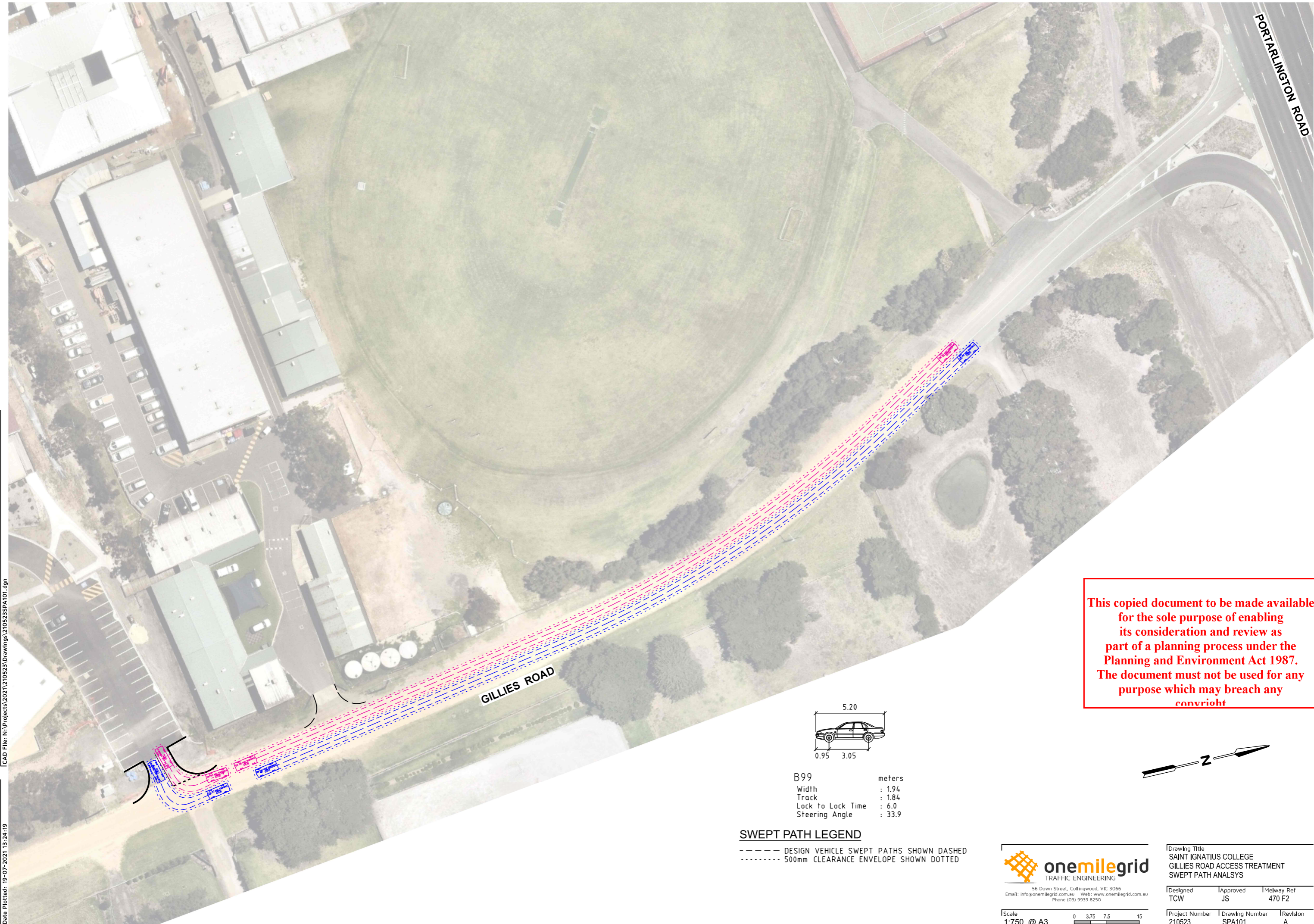
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Drawing Title
**SAINT IGNATIUS COLLEGE
 GILLIES ROAD ACCESS TREATMENT
 CONCEPT LAYOUT PLAN**

Scale
 1:750 @ A3

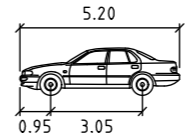
Designed TCW	Approved JS	Metway Ref 470 F2
Project Number 210523	Drawing Number CLP101	Revision A



PORTARLINGTON ROAD

GILLIES ROAD

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B99	width	: 5.20	meters
	Track	: 3.05	
	Lock to Lock Time	: 6.0	
	Steering Angle	: 33.9	

SWEPT PATH LEGEND

- DESIGN VEHICLE SWEEP PATHS SHOWN DASHED
- 500mm CLEARANCE ENVELOPE SHOWN DOTTED

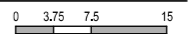


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Drawing Title
 SAINT IGNATIUS COLLEGE
 GILLIES ROAD ACCESS TREATMENT
 SWEEP PATH ANALYSIS

Designed TCW	Approved JS	Metway Ref 470 F2
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Scale
 1:750 @ A3



Project Number 210523	Drawing Number SPA101	Revision A
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