

TECHNICAL NOTE

MHL Project Number:	21144TT
Project Title:	Proposed Development, Wilton Road, Cork City
Author:	Mr. David Murphy B.Eng (Hons), M.A., MIEI
Date:	15/07/2022
Subject:	CMATS/ Development Site
Applicant'	Bellmount Developments Ltd.
MHL Document Ref:	MHL-21144TT-WILTONROAD-DOC04-CMATS-RevA



How the proposed development layout provides for and accommodates future public transport and pedestrian and cycle provision along Victoria Cross Road / Wilton Road.

Introduction

M.H.L. & Associates Ltd. Consulting Engineers have been engaged by McCutcheon Halley Planning Consultants on behalf of Bellmount Development Ltd. to prepare a technical note to supplement a SHD planning application for a proposed student accommodation complex, located adjacent to Wilton Road/ Orchard Road. A vacant building currently occupies the site. This technical note addresses a CMATS Bus Connects Corridor proximity query.

As has been noted in the Transport/Mobility and design team documentation submitted for this application, Bellmount Development Ltd. are very supportive of the new Bus Connects proposals for Cork City and more specifically along the Wilton Road. The applicant's site is located directly alongside a portion the new proposed Corridor F as noted below.

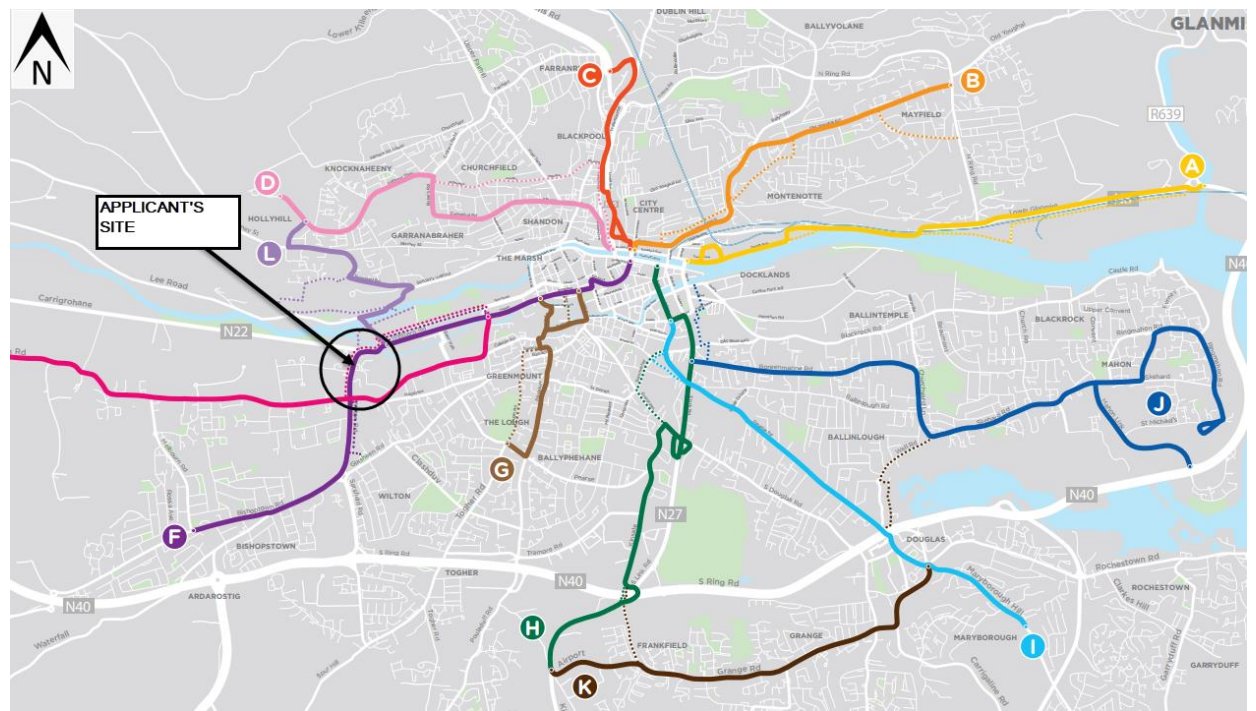


Figure 1: Bus Connects Corridors- Cork (BusConnects)

The typical corridor cross section, as per Bus Connects detail is as shown below.

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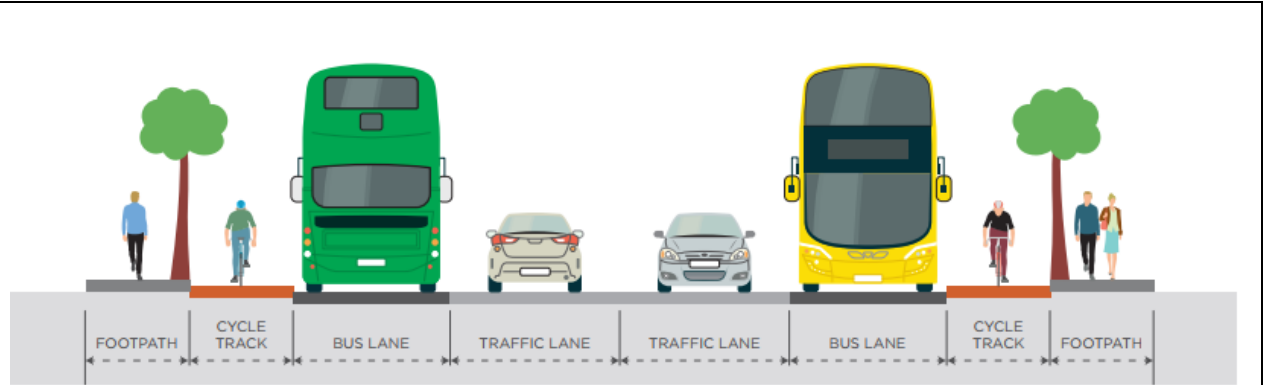


Figure 2: Typical Bus Connects Corridor- (BusConnects)

It is notable that the Wilton Road Corridor dimension may deviate from this typical bus connects corridor section due to existing geometrical constraints along the design route.

SPINE F

Considerations

- To facilitate walking and cycling there is potential reduction in on-street parking spaces
- To allow for sustainable transport and pedestrian facilities changes will be made for general traffic flow and the amount of allocated space
- Comprehensive tree replanting programme to offset the possible removal of some existing trees
- Redesign & mitigation landscaping may be required to balance potential reduction of garden space

Changes to enhance the provision for sustainable travel

- Along Wilton Road (between Wilton Roundabout and Dennehy's Cross) it is proposed that cyclists would route via a parallel facility to the east of Wilton Road for a portion of this section.
- Along Western Road it is proposed that cyclists would route via Mardyke Walk (which will function as a quietway).
- It is proposed to convert Washington Street and Lancaster Quay into a two-way route for buses and cyclists, including accommodating local traffic access only; general two-way traffic is proposed to be accommodated on Dyke Parade and Sheares Street (as far as Courthouse Street).
- Junction upgrades are proposed at Bishopstown Road/ Curraheen Road junction and at the entrance to CUH. Wilton Roundabout is proposed to be converted to a signalised junction.

Figure 3: Spine Corridor F - Cork (BusConnects)

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Through discussions with the BusConnects Cork design team and Cork City Council's Transport Department, MHL/ the applicants design team have accepted that an appropriate building/site offset is necessary to accommodate both the applicant's site and the future bus connects Wilton Road Corridor.

The following figures demarcate the required offset (indicated by the dashed red line), which was issued to the us by BusConnects.

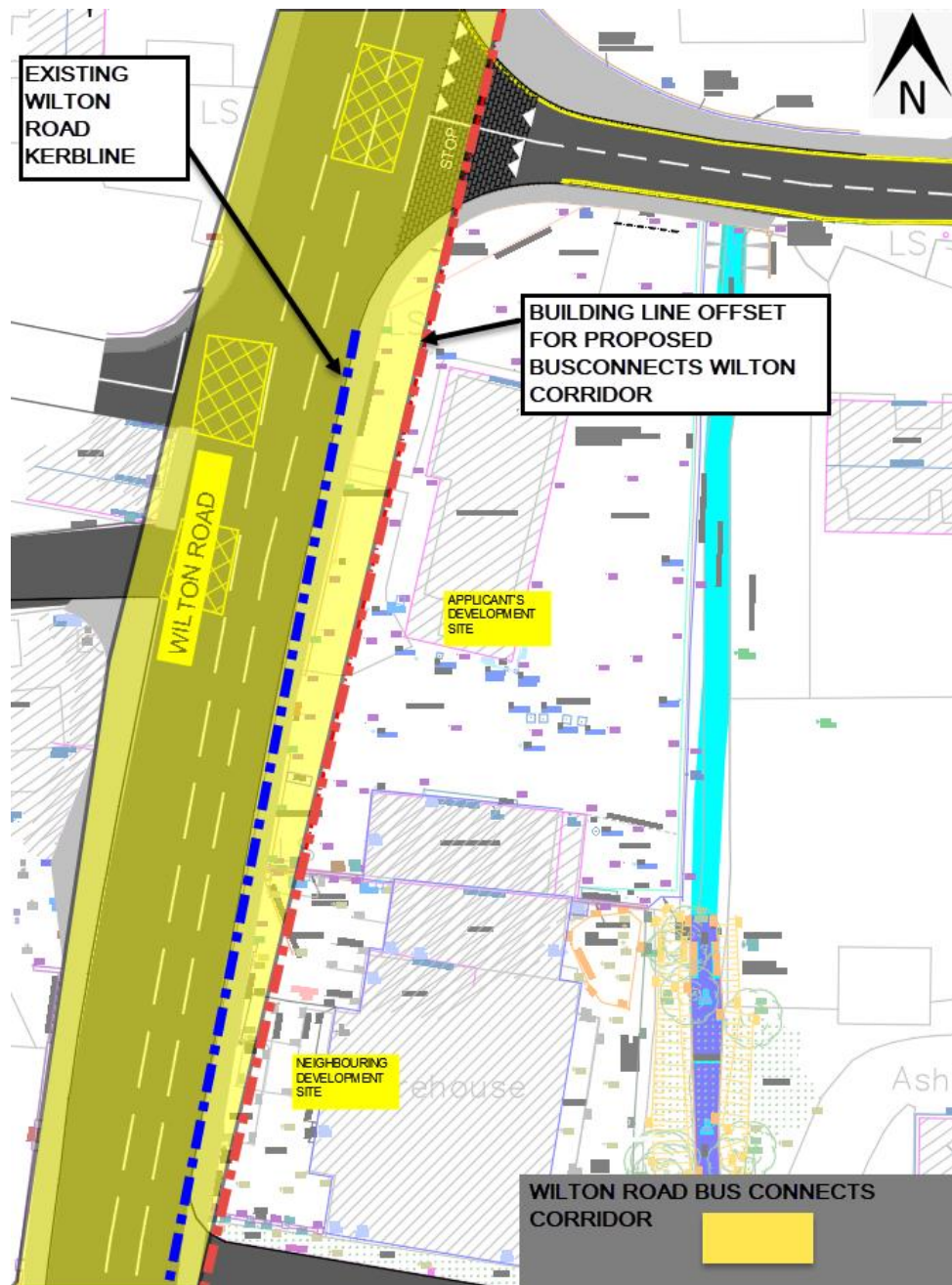


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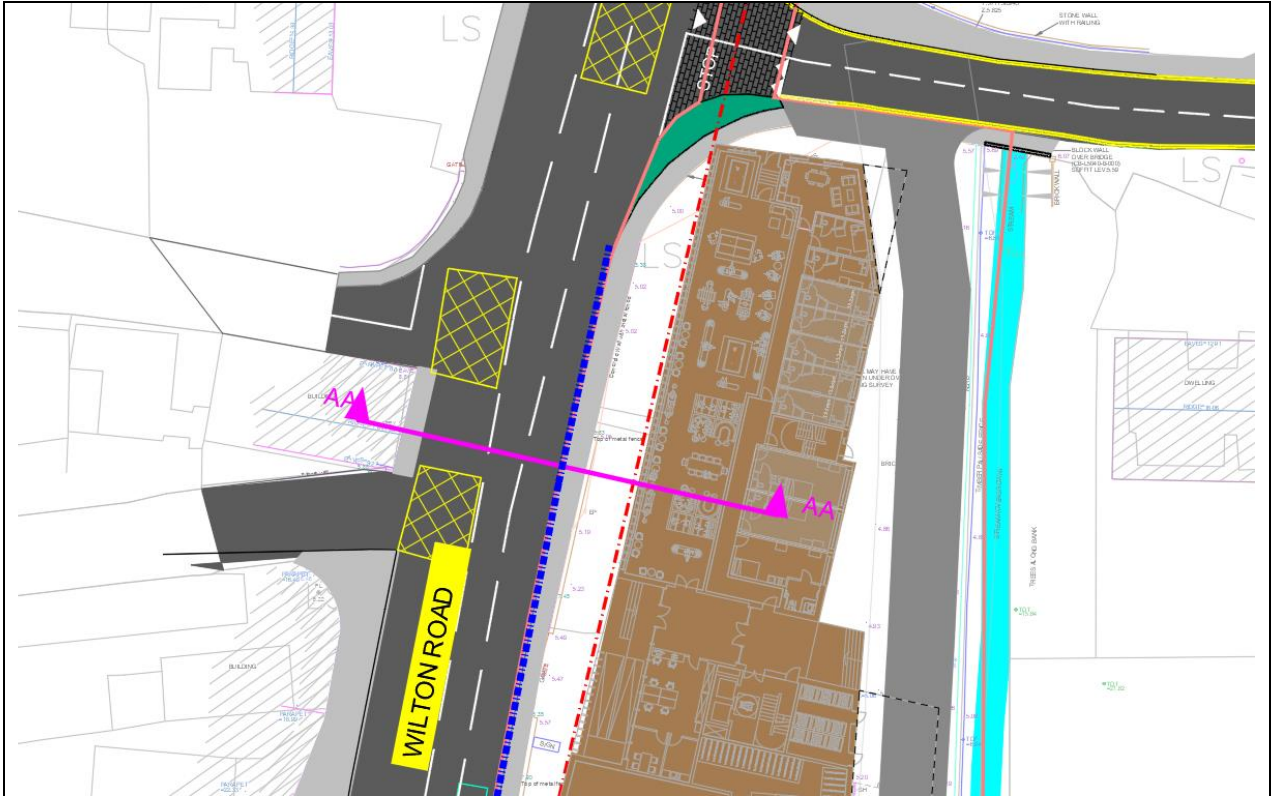


Figure 4: Wilton Road Existing – Cross Section AA Location

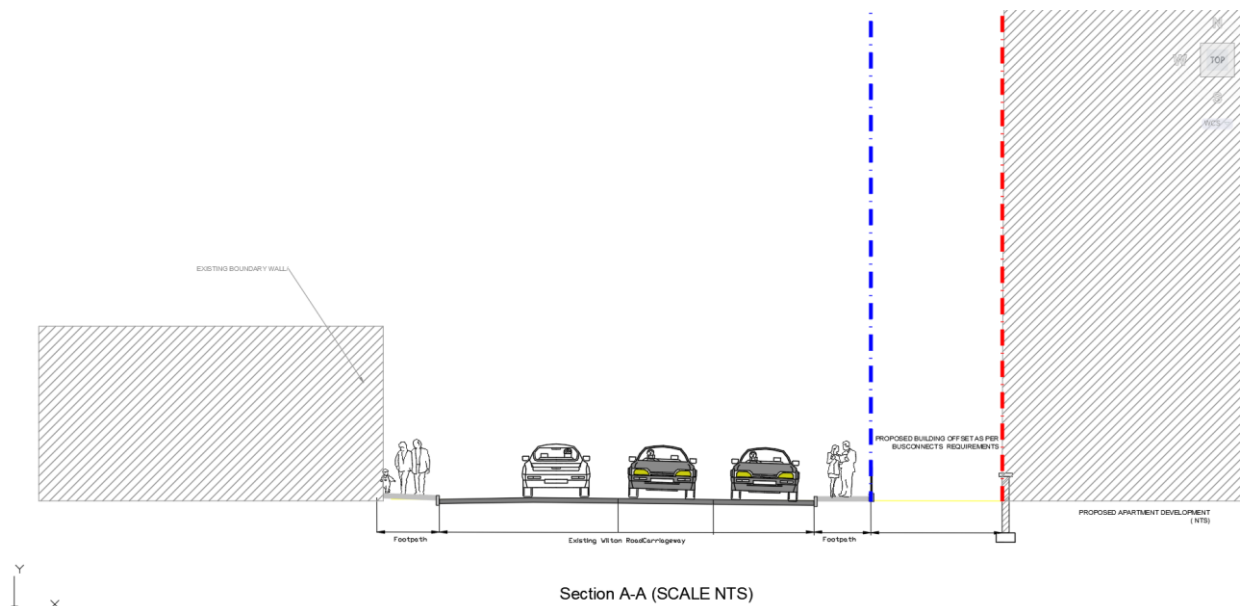


Figure 5: Wilton Road – Cross Section AA

As presented, the design team and Bellmount Developments Ltd. have been quite proactive in terms of future city infrastructure plans, to ensure that the near-term Bus Connects Corridor can be realised.