

Proposed LRD at Daneswell Place, Botanic Road, Glasnevin, Co. Dublin

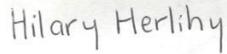
Outline Construction Traffic Management Plan

Scanron Ltd

June 2022

Quality information

Prepared by



Hilary Herlihy
Graduate Consultant

Checked by



Patrick McGeough
Consultant

Verified by



Tim Robinson
Regional Director

Approved by



Tim Robinson
Regional Director

Revision History

Revision	Revision date	Details	Authorized	Name	Position
0	14.06.2022	Draft for team review	TJR	Tim Robinson	Regional Director
1	21.06.2022	Final for Submission	TJR	Tim Robinson	Regional Director

Distribution List

# Hard Copies	PDF Required	Association / Company Name
5 No.	Y	Brenda Butterly McGill Planning

Prepared for:

Scanron Ltd

Prepared by:

Hilary Herlihy
Graduate Consultant
E: hilary.herlihy@aecom.com

AECOM Ireland Limited
4th Floor
Adelphi Plaza
Georges Street Upper
Dun Laoghaire
Co. Dublin A96 T927
Ireland

T: +353 1 238 3100
aecom.com

© 2022 AECOM Ireland Limited. All Rights Reserved.

This document has been prepared by AECOM Ireland Limited ("AECOM") for sole use of our client (the "Client") in accordance with generally accepted consultancy principles, the budget for fees and the terms of reference agreed between AECOM and the Client. Any information provided by third parties and referred to herein has not been checked or verified by AECOM, unless otherwise expressly stated in the document. No third party may rely upon this document without the prior and express written agreement of AECOM.

Table of Contents

1.	Introduction.....	5
2.	Outline Construction Traffic Management Plan.....	8
2.1	Policy Guidance	8
2.2	Likely Construction Programme & Phasing.....	8
2.3	Construction Route.....	8
2.4	Parking	9
2.5	Mitigation Measures	9
2.6	Hours of Operation.....	9
2.7	Traffic Management Measures.....	10
3.	Summary.....	11

Figures

Figure 1.1	Site Location (Source: McGill Planning).....	5
Figure 1.2	Site Location in Relation to Dublin City Centre.....	6
Figure 1.3	Subject Site in relation to Dublin City Centre and M50.....	7
Figure 2.1	Construction Traffic Outline Route.....	9

1. Introduction

This outline Construction Traffic Management Plan (CTMP) has been prepared by AECOM to accompany a planning application for a proposed Large Scale Residential Development (LRD) comprising 168 no. apartment units and 66 no. parking spaces at basement level and 7 no. visitor spaces at surface level at the site formerly occupied by Smurfit Printworks on Botanic Road, Glasnevin, Dublin 9.

A section on construction traffic management included in the Traffic and Transport Assessment (TTA) submitted at Stage 2 but in Dublin City Council's LRD Opinion and planners report (May 2022) the following was requested:

Submit an outline Construction Traffic Management Plan

This document represents the outline Construction Traffic Management Plan in response to the above. In addition the applicant has provided an Outline Construction Management Plan and a Construction & Demolition Resource & Waste Management Plan, both prepared by Traynor Environmental Ltd

The development, which will principally consist of the construction of a residential development comprising 168 No. apartments (12 no. studio apartments, 72 no. one bed apartments, 68 no. two bed apartments and 16 no. three bed apartments) in 5 No. blocks as follows: Block A (28 No. apartments) is 5 No. storeys; Block B (40 No. apartments) is 6 No. storeys over basement; Block C (44 No. apartments) is 6 storeys over basement; Block D (48 no. apartments) is 6 No. storeys; and Block E (4 No. apartments and 4 no. duplex) is 3 No. storeys

The proposed development also comprises the: extinguishment of the existing secondary vehicular access to Botanic Road at the south-west corner; 73 No. car parking spaces (66 No. at basement level and 7 no. at surface); 5 No. motorcycle spaces (at basement level); and bicycle parking in the basement and at surface.

The development provides resident amenity spaces (Block A, Resident Amenity 193.8m², Cafe 77.4m², Creche 235.6m², amenity management Suite 43.8m², Block B: Gym 109m²).

The site is situated approximately 3.5km north of Dublin City Centre. The site benefits from good levels of accessibility for pedestrians, cyclists and public transport users. Botanic Road (R108) connects the site to Dublin City Centre to the south and to the M50 in the north



Figure 1.1 Site Location (Source: McGill Planning)

Proposed LRD at Daneswell Place, Botanic Road, Glasnevin, Co Dublin

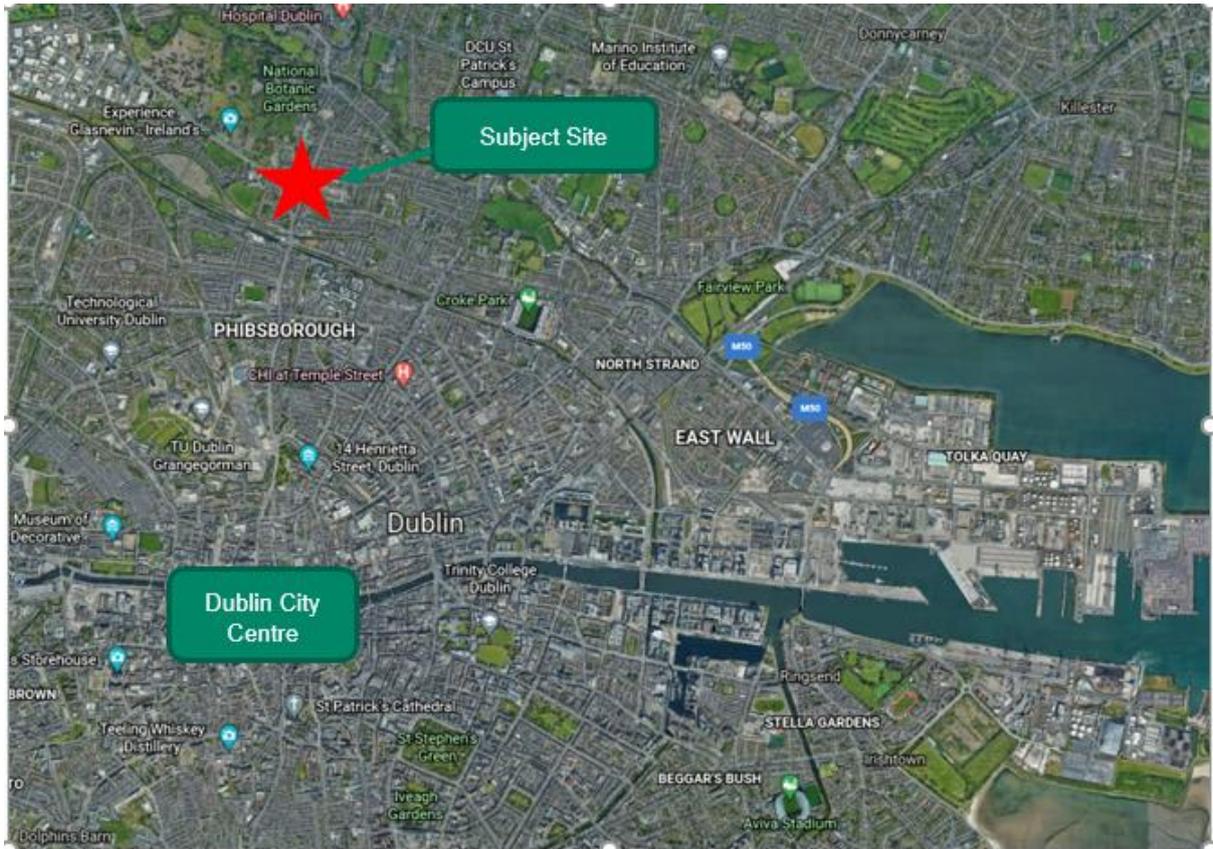


Figure 1.2 Site Location in Relation to Dublin City Centre

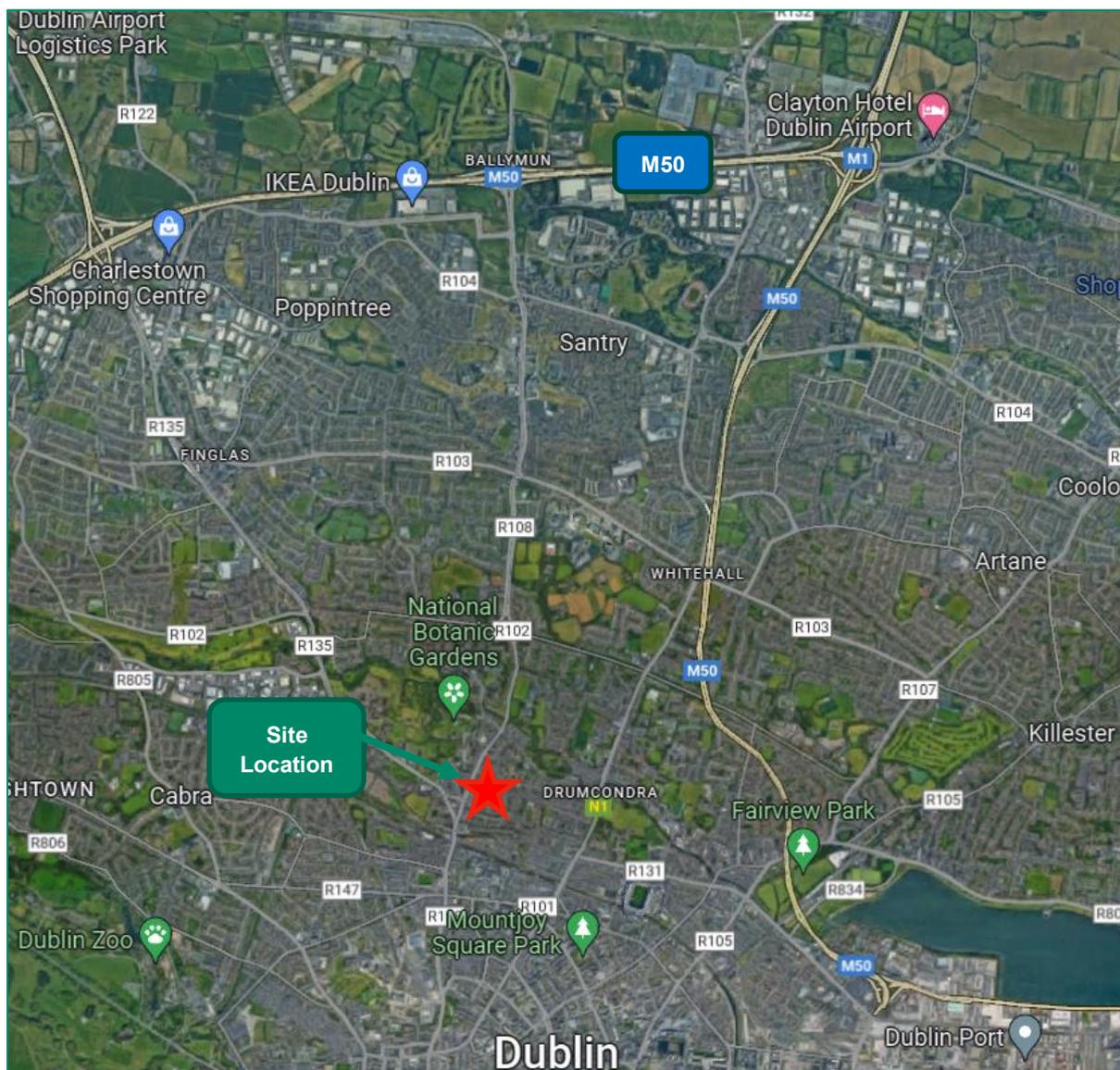


Figure 1.3 Subject Site in relation to Dublin City Centre and M50

2. Outline Construction Traffic Management Plan

This report of the report sets out how the traffic impacts of construction of the subject development will be managed. As with any construction project, the contractor will be required to prepare a comprehensive traffic management plan for the construction phase. The purpose of such a plan is to outline measures to manage the expected construction traffic activity during the construction period.

This section will provide an overview of the likely routing of construction vehicles, based on a most likely scenario of construction. It should be noted that the impacts of the construction will be temporary, and it will be the contractor's responsibility to prepare a Traffic Management Plan for the approval of Dublin City Council in advance of any works.

2.1 Policy Guidance

Guidance for the temporary control of traffic at road works to facilitate the safety of the public during the works is provided below:

- Traffic Signs Manual Chapter 8 Temporary Traffic Measures and Sign Roadworks (2008);
- Addendum Transport Chapter 8, Temporary Traffic Measures and Sign Roadworks (2008);
- Traffic Management Guidelines, Department of Transport (2003);
- Dublin City Council Development Plan.

2.2 Likely Construction Programme & Phasing

The construction programme is expected to require approximately 36 months to complete from occupation of the site. It is acknowledged that the construction process will need to be cognisance of the permitted residential houses being occupied, which is a standard requirement of the construction management process.

Construction Commencing (subject to planning being approved) November 2022

- Basement – Complete 2023
- Block D – 48 Units Complete 2023
- Block E – 8 Units Complete 2023
- Block B – 40 Units Complete 2024
- Block C – 44 Units Complete 2024
- Block A – 28 Units Complete 2025

This totals 56 no. units in 2023, 84 no. units in 2024 and 28 no. units in 2025

2.3 Construction Route

To minimise construction impacts upon the surrounding road network, it is recommended that all construction traffic access and exits the site from the M50 Junction 2 joining Swords Road at the Santry Roundabout. From exiting the M50, this route is approximately 1.9km to / from the site, travelling along Santry Avenue, R108 Ballymun Road, R108 St Mobhi Road onto Botanic Road. This routing has been illustrated in Figure 2.1

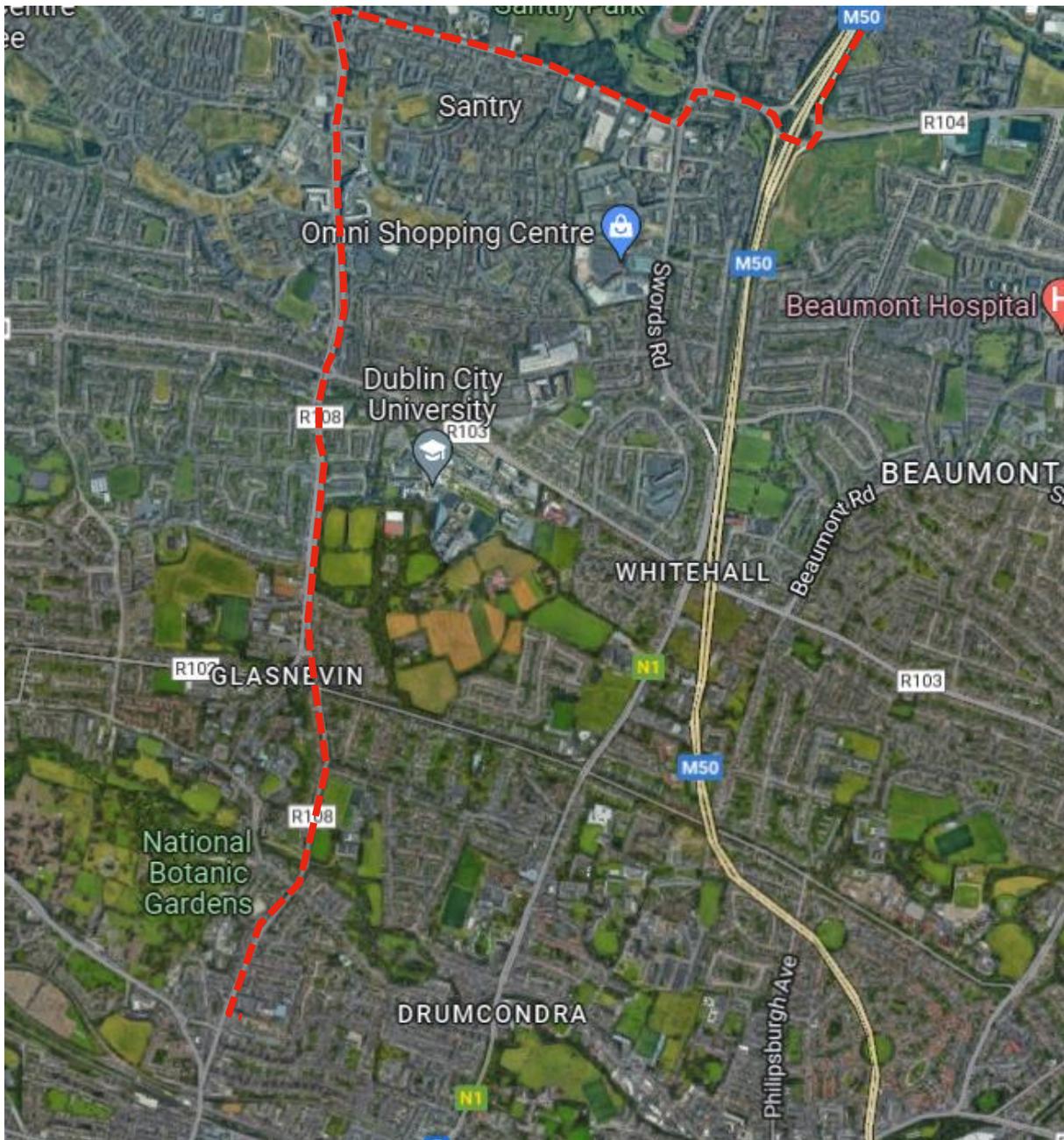


Figure 2.1 Construction Traffic Outline Route

2.4 Parking

All contractors' vehicles will park within the development site area in a designated parking area on the hard standing. There will be no contractor parking on the public roads.

2.5 Mitigation Measures

A construction management plan will be developed by the contractor prior to the commencement of work on site, and will be prepared in consultation with Dublin City Council.

Construction debris particularly site clearance, spoil removal and dirty water run off can have a significant impact on footways and roads adjoining a construction site, if not adequately dealt with.

2.6 Hours of Operation

Site development and building works shall be carried out between the hours of operation recommended by DCC to safeguard the residential amenities of properties in the vicinity. The typical hours of operation are as follows:

- Monday to Friday, 07:30 AM – 18:30 PM, Saturdays 08:00 AM – 14:00 PM and no works on Sundays or Public holidays. Note these proposed hours of operation are as per the previous grant of permission.
- The hours of construction will avoid unsociable working hours and will be agreed with the planning authority in advance of site start.

Deviation from these times will only be allowed in exceptional circumstances where prior written approval has been received from the planning authority.

2.7 Traffic Management Measures

Below is a list of the proposed traffic management measures to be adopted during the construction works. Please note that this is not an exhaustive list, and that it will be the appointed contractor's responsibility to prepare a detailed construction management plan.

- Warning signs / Advanced warning signs will be installed at appropriate locations in advance of the construction access locations;
- Construction and delivery vehicles will be instructed to use only the approved and agreed means of access; and movement of construction vehicles will be restricted to these designated routes;
- Appropriate vehicles will be used to minimise environmental impacts from transporting construction material, for example the use of dust covers on trucks carrying dust producing material;
- Speed limits of construction vehicles to be managed by appropriate signage, to promote low vehicular speeds within the site;
- Parking of site vehicles will be managed and will not be permitted on public road, unless proposed within a designated area that is subject to traffic management measures and agreed with DCC;
- A (wet) road sweeper will be employed to clean the public roads adjacent to the site of any residual debris that may be deposited on the public roads leading away from the construction works;
- On site wheel washing will be undertaken for construction trucks and vehicles to remove any debris prior to leaving the site, to remove any potential debris on the local roads;
- All vehicles will be suitably serviced and maintained to avoid any leaks or spillage of oil, petrol or diesel. Spill kits will be available on site. All scheduled maintenance carried out off-site will not be carried out on the public highway; and
- Safe and secure pedestrian facilities are to be provided where construction works obscure any existing pedestrian footways. Alternative pedestrian facilities will be provided in these instances, supported by physical barriers to segregate traffic and pedestrian movements, and to be identified by appropriate signage. Pedestrian facilities will cater for vulnerable users including mobility impaired persons.

The mitigation measures will therefore ensure that the presence of construction traffic will not lead to any significant environmental degradation or safety concerns in the vicinity of the proposed works. Furthermore, it is in the interests of the construction programme that deliveries, particularly concrete deliveries are not unduly hampered by traffic congestion, and as a result continuous review of haulage routes, delivery timings and access arrangements will be undertaken as construction progresses to ensure smooth operation.

3. Summary

This standalone report has been requested by DCC in their Notice of LRD Opinion.

The outline Construction Traffic Management Plan sets out the measures to deal with construction traffic as the site is developed. This includes, phasing, construction traffic routes, hours of operation, and mitigation measures including traffic management. The detailed work associated with this will be undertaken by the main contractor of the scheme and agreed with Dublin City Council.

