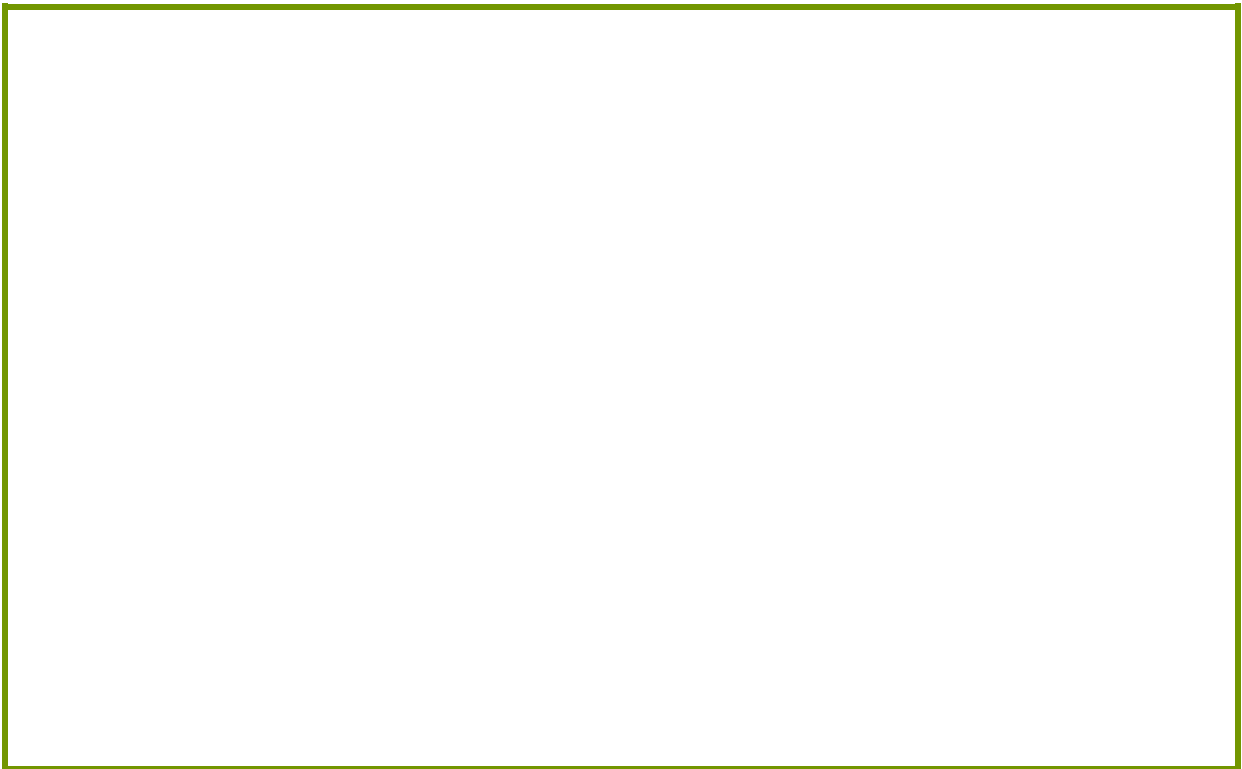

**PROPOSED RESIDENTIAL DEVELOPMENT AT 27 PATRICK STREET
DÚN LAOGHAIRE**

OUTLINE CONSTRUCTION MANAGEMENT PLAN



March 2022

DÚN LAOGHAIRE RATHDOWN COUNTY COUNCIL

PROPOSED RESIDENTIAL DEVELOPMENT AT 27 PATRICK STREET

OUTLINE CONSTRUCTION MANAGEMENT PLAN

**Nicholas O'Dwyer Ltd
Consulting Engineers
Nutgrove Office Park
Nutgrove Avenue
Dublin 14**

March 2022

PROJECT NO. Project No. 30429					
Revision	Reason for Revision	Prepared by	Reviewed by	Approved by	Issue Date
-	First Issue	C Doyle	G Young	M Dignam	03/2022
A	Project title updated	C Doyle	G Young	M Dignam	07/2022
B					
C					
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1 INTRODUCTION

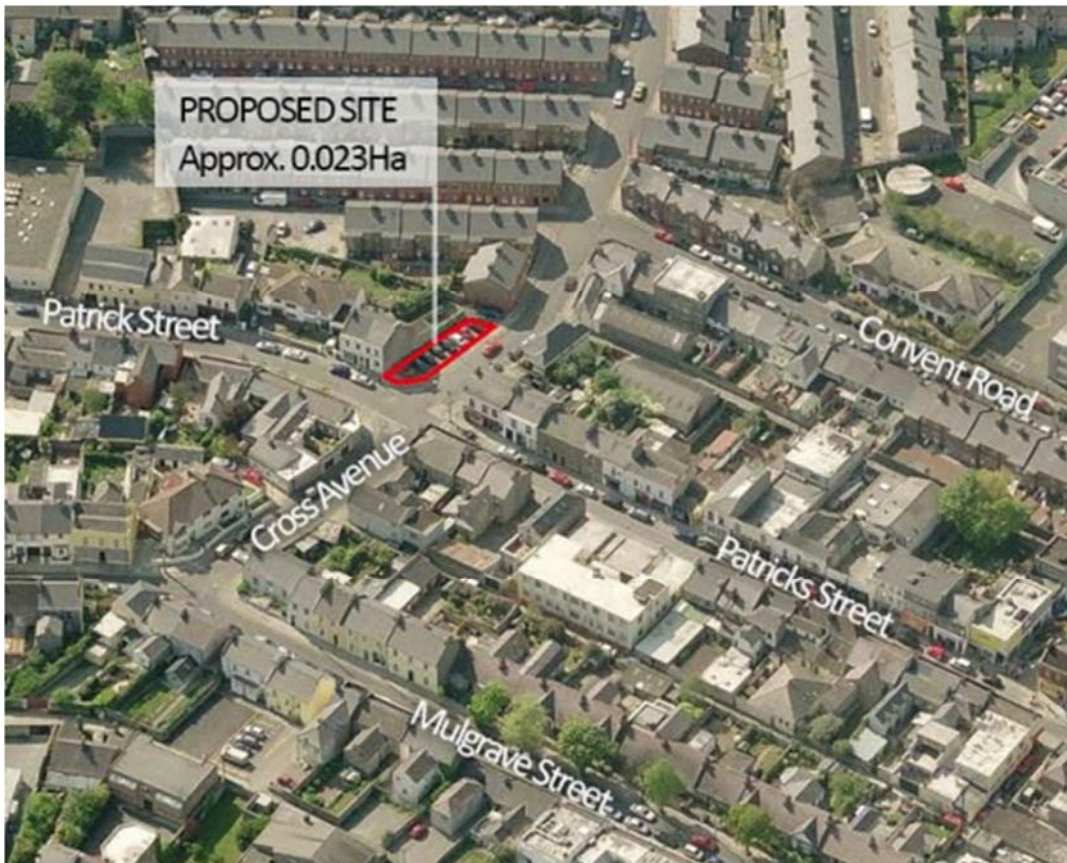
This Outline Construction Management Plan is prepared and submitted for a new development of 4 housing units on an existing Carpark at the junction of Cross Avenue and Patrick Street just to the south of Dún-Laoghaire town centre and has an approximate area of 0.023Ha

This report deals with the following aspects of the development:

- Traffic & pedestrian management during the construction
- Site Set up.
- Resource / Waste Management & Disposal.

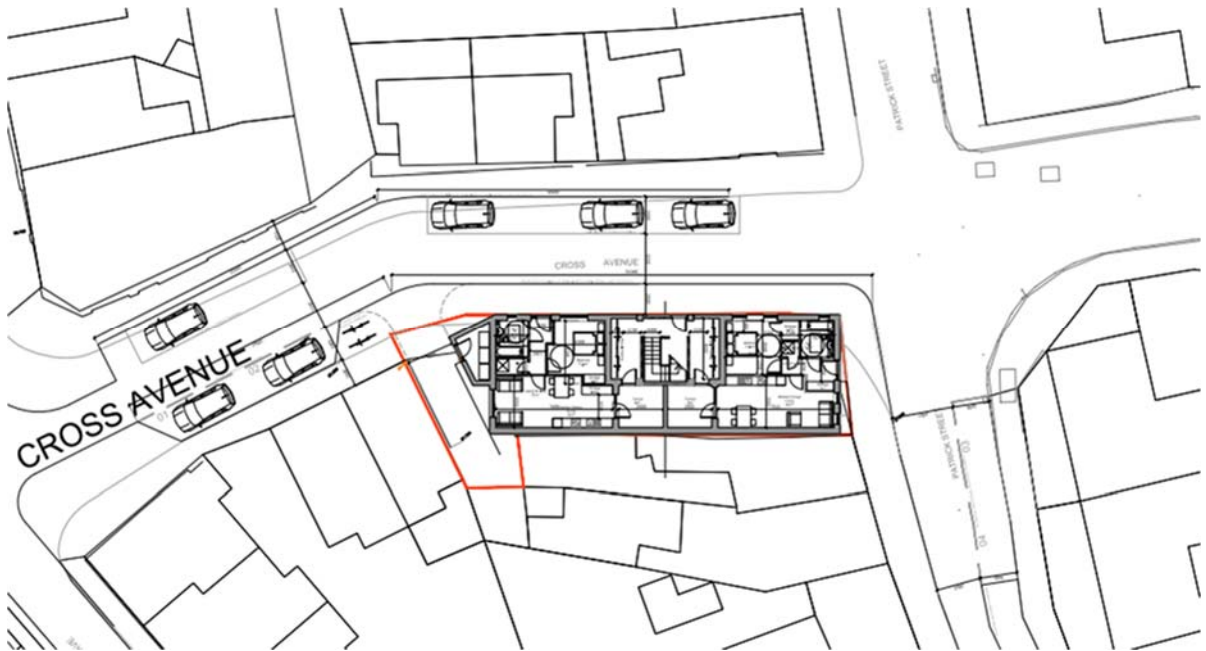
2 LOCATION AND SCHEME DESCRIPTION

Existing Site Location



This site is bounded by Patrick Street to the West, Cross Avenue to the north and neighbouring residential units to the south and west. The site is currently utilised to provide 5no. surface car parking spaces. The site also contains a right of way to the west of the site providing access to the rear of No's 28 & 29 Patricks Street.

Proposed Scheme



The proposed development will consist of 4 residential units, three 1-bed units and a one 2-bed unit.

3 TRAFFIC & PEDESTRIAN MANAGEMENT DURING CONSTRUCTION.

The site is located immediately south of Dún Laoghaire town centre, close to Georges Street and to Dún Laoghaire and Bloomfields Shopping Centres.

The proposed scheme will have direct access onto the street; the proposed building outline is adjacent to the junction of Cross Avenue and Patrick St.

The established right-of-way to the west of the site which provide access to the rear of No's 28 & 29 Patricks Street will be maintained and protected throughout construction stages.

This Traffic Management Plan is to be further developed by the successful contractor prior to commencement of the works and to be submitted to Dun Laoghaire Rathdown County Council for approval.

The Plan is to be prepared with reference to the following;

- Traffic Signs Manual - Chapter 8 Temporary Traffic Measures and Signs for Roadworks.
- Guidance for the Control and Management of Traffic at Road Works published by Department of Transport.

Local Road Network

Cross Avenue is currently a one-way road with traffic flow heading west only with a 30km/h speed limit. Patrick St is also a one-way road with traffic flow heading south only with a 50km/h speed limit. Both streets have footpaths on each side.

There are pay and display on-street parking spaces along Cross avenue opposite the development (max 3hr.).

The vicinity of the site is mostly residential and some local commercial activity.

Impact on Roads during the Construction Works

It is anticipated that the impact on the surrounding road network during the construction of the works will be minimal. The main potential impact from construction traffic will be locally at the junction of Cross Avenue and Patrick St.

As part of the development, the existing footpath on Cross Ave along the boundary of the site will be moved northwards reducing the width of the road to 3.25m generally with a pinch-point of 3.10m, whilst retaining the on-street parking. See Figure 1 below.

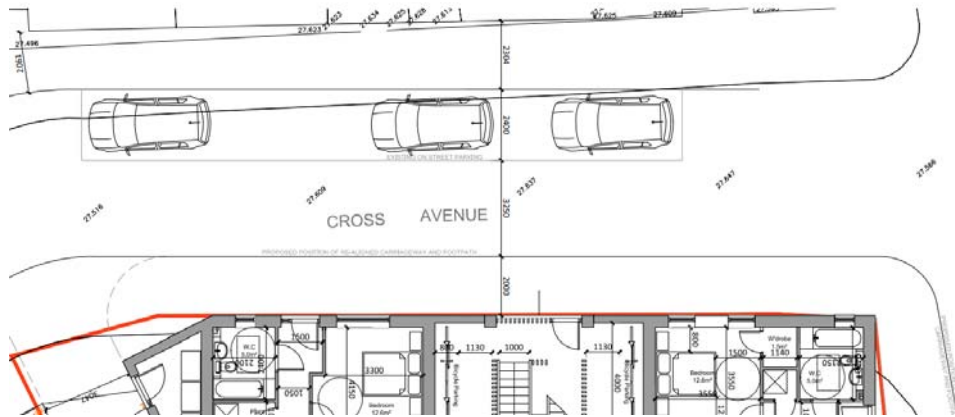


FIGURE 1.

During the initial construction stages there will be a requirement for a static lane closure which will reduce the width of Cross Avenue slightly and may require the occupation of some parking spaces for a period of time, a licence will be required from DLRCC to do so.

The appropriate level of signage and temporary traffic measures required for a static road closure will be required and the appropriate method statements and risk assessments will be developed by the PSCS during the construction stage.

A hoarding / fencing / Scaffolding licence shall be obtained from DLRCC for the duration of the works.

It is proposed that restrictions on deliveries to the site will be imposed on the Contractor during the AM and PM peak traffic hours.

The Contractor shall submit a developed Construction Stage Management Plan prior to commencement of the works.

The Contractor shall appoint a representative as their liaison person to carry out consultations with local stakeholders prior to commencement and during the construction works.

Avoiding conflict between construction activities and pedestrian movements

Temporary safety or pedestrian barriers placed around the working area shall be clearly defined by temporary road signage and coning as specified in the Traffic Signs Manual. Flag men to be in operation while works are being carried out in the vicinity of the public footpath.

Provision shall always be made to manage and maintain safe pedestrian passage along Cross Avenue and Patrick St. See SK001 in appendix A for hoarding / scaffolding / protected pedestrian access details.

4 WORKING HOURS

Working hours will be 7am- 5pm Monday to Friday and 8am- 2pm on Saturdays. Working will not be permitted on Bank Holidays or Sundays unless agreed with the Employers representative.

Working outside of the agreed hours will only be with the written permission of the Employers representative.

5 CONTROL OF NOISE & VIBRATION

The noise levels as scheduled below will only be permitted when consent has been obtained.

The ambient noise level, Leq from all sources when measured 2.0m above the ground at any monitoring station shall either not exceed the appropriate level given in the schedule or not exceed by more than 3dB(A) the existing ambient noise level, Leq at the monitoring station measured over the same period, whichever is the greater. The maximum sound level shall not exceed the level given in the schedule. The contractor may be given permission to carry out works which exceed the levels in the schedule, provided that 5 working days' notice from the date and timing of these works is given to the Employers Representative and Dun Laoghaire Rathdown County Council. After consultations with the Local authority and any other interested body a decision will be given within 3 working days of receipt of the notice.

Days and Times	Hours	dB Laeq, 1hr	dB Lamax
Monday to Friday	7.00 – 18.00	70	80
Monday to Friday	18.00 – 22.00	60	65
Saturday	08.00 – 18.00	65	75
Sundays and Public Holidays	00.00 – 24.00	60	65

Notes

- Noise levels relate to free field conditions. Where noise control stations are located 1m from the facades of buildings the permitted noise levels can be increased by 3 dB(A).
- The ambient noise level, Leq, at a noise control station is the total Leq from all the noise sources in the vicinity over the specified period.

3. The existing ambient noise level, L_{eq} , at a noise control station is the total L_{eq} from all the noise sources in the vicinity over the specified period prior to the commencement of the works.

The Contractor shall comply in particular with the following:

- All vehicles and mechanical equipment shall be maintained in good and efficient working order and shall be fitted with effective exhaust silencers.
- All compressors shall be sound reduced models fitted with properly lined and sealed acoustic covers.
- Machines in intermittent use shall be shut down in the intervening periods between works or throttled down to a minimum.
- Generators or any other plant shall not be left running after hours unless in an emergency.
- Detailed consideration should be given to the measures that require to be implemented to ensure that potential impacts relating to noise nuisance and disturbance and vibrational impacts are effectively minimised, controlled and monitored to ensure that site construction activities do not have an adverse or unacceptable impact on local receptors, adjacent property, adjacent users and human health and on the wider receiving environment.

The Contractor shall furnish any information as maybe required by Dun Laoghaire Rathdown County Council in relation to noise & vibration levels of equipment and machines that will be used on site.

6 CONTROL OF MUD AND DUST

The Contractor shall ensure that adequate provision is made to damp down areas where activities are likely to create dust. Measures shall include spraying by pressure hoses to suppress dust and provision of bowlers and suction road sweepers where appropriate.

Plant shall be sited and screened where necessary to minimise dust emissions.

All stockpiles of demolition or excavations shall be covered to prevent generation of dust.

The Contractor shall take all necessary measures to prevent spillage onto public roads. The Contractor shall provide a wheel washing equipment or other methods as approved by the Employers Representative for all plant leaving the site area. Where mud or site material is carried out on to the public pavement the Contractor shall take all necessary steps to ensure the roads are cleaned immediately.

The contractor shall clean the public gullies in the vicinity of the site before the works commence and at regular intervals during the works to ensure there is no blockages.

The Contractor shall also undertake to replace any road markings in the vicinity of the site as and when the need arises.

A programme of air quality monitoring shall be put in place at the site boundaries for the duration of excavation and construction activities to ensure that the air quality standards as set out in The Air Quality Standards Regulations 2011 relating to dust deposition and specifically PM10 levels are not exceeded.

7 RESOURCE & WASTE MANAGEMENT

All waste arising from the construction will be managed and disposed of in accordance with all current legal and industrial standards including

- Waste Management Act 1996 as amended and associated Regulations.
- Litter act 1997
- Packaging regulations 2003
- Waste Management Plan for the Dublin Region 2005 -2010
- DLR Guidance Notes for Environmental Management of Construction Projects. Feb 2022

The following publications are to be referenced during the construction of the works for the disposal of waste.

Best Practice Guidance on the preparation of waste management plans for construction and demolition projects.

- Construction and Demolition Waste Management handbook.
- EPA Best Practice Guidelines for the preparation of resource and waste management plans for construction & demolitions projects, 2021.

There will be limited disposal of material off site as it is proposed to store all excavated material on site for reuse and there is no demolition of buildings. General construction waste which can be recycled such as timber, plastic and metals will be segregated on site and collected by an approved collection contractor.

There will be a general skip for C & D waste not suitable for recycling. This skip will include wet waste including food waste, contaminated cardboard. A designation of a single person with responsibility for provision of signage and verbal instruction to ensure proper housekeeping, maintenance of records and segregation of construction waste materials.

No burning of waste will be permitted on site.

The Contractor will be required to provide records of all waste disposed from the site. These records will contain information on haulage contractor, location of disposal of the material, quantity of material disposed, licences for the reception facility and licences for the haulage contractor.

In the event that hazardous soil, or historically deposited hazardous waste is encountered during the work, the contractor must notify Dún Laoghaire Rathdown County Council, Environmental Enforcement Section, and provide a Hazardous/Contaminated Soil Management Plan, to include estimated tonnages, description of location, any relevant mitigation or monitoring proposed, and destinations for authorised disposal/treatment, in addition to information on the authorised waste collector(s)

A resource & waste management plan (RWMP) shall be prepared and developed throughout the lifecycle of the project so that opportunities to maximise waste reduction/ efficiencies are exploited in compliance with - EPA Best Practice Guidelines for the preparation of resource and waste management plans for construction & demolitions projects 2021.

8 SITE COMPOUND

The site compound for the construction works will be located within the development site, If the contractor's compound cannot be located on the site an alternative location will need to be sourced by the contractor in the vicinity of the site at his own expense.

The compound will be large enough to cater for the storage of plant, materials, welfare facilities.

The Contractor shall agree a location for the compound with the Employers Representative prior to commencing on site.

9 CONTRACTORS OFF-SITE PARKING

The available site area has in-sufficient space to accommodate on-site parking facilities. The off-site location of the contractor's compound sourced & organised by the contractor, shall be large enough to cater for construction workers car parking facilities. There shall be no parking of workers vehicles on the surrounding public roads. The appointed contractor shall actively manage & direct the parking of construction staff cars and construction vehicles within the agreed contractor's off-site compound only.

APPENDIX A.

