

Environmental Impact Assessment Screening Report for residential infill development at St. Patrick's Park Rathangan, Co. Kildare

REPORT FOR KILDARE CO. COUNCIL OCTOBER 2022



Mary O'Connor

ECOLOGIST/ENVIRONMENTAL SCIENTIST | SHANACLOON NEWTOWN, CO. KILDARE

Environmental Impact Assessment Screening Report for residential infill development at St. Patrick's Park, Rathangan Co. Kildare

Mary O'Connor Environmental Scientist 8/06/2022

1. Introduction

The EIA Directive 85/337/EEC, as amended aims to determine the likely significant effects of a project on the environment. EIA Screening determines whether an EIA is required for a specified project. Projects requiring mandatory EIA are listed in Schedule 5 of the Planning and Development Regulations 2001, as amended. In the case of development which is under these thresholds, planning authorities are required under Article 103 of the 2001 Regulations, (as amended) to request an EIS where it considers that the proposed development is likely to have a significant effect on the environment. Screening involves appraisal of impacts from the proposed development according to three main criteria:

1. Characteristics of the project
2. Location of proposed project
3. Characteristics of potential impacts.

Schedule 6 of the Planning and Development Regulations, 2001 (as amended), outlines the aspects of the environment likely to be significantly affected by a proposed development. These are: human beings, flora and fauna, soil and geology, water, air & climate, landscape, material assets, cultural heritage and the inter-relationships between the range of environmental criteria.

Sources Used

Plans and specifications for the proposed development including the Report for Screening for Appropriate Assessment for Proposed residential infill development at St. Patrick's Park, Rathangan Co. Kildare (2022)

Bedrock, soil, subsoil, surface water and ground water maps from the Geological Survey of Ireland web mapping service (www.gsi.ie/mapping.htm),

National Biodiversity Data Centre (<http://maps.biodiversityireland.ie/>),

Environmental Protection Agency web viewer (<http://gis.epa.ie/EPAMaps/>)

The Kildare County Development Plan 2017-2023, and details of permitted or proposed developments from the local authority's online planning records.

Statement of Authority

The assessment is carried out by Mary O'Connor, who has a PhD. in plant ecology and over 20 years professional experience as an ecologist/environmental scientist. She has worked for public and private sector clients and has several years' experience of

ecological/environmental assessment and input into Environmental Impact Assessment and Appropriate Assessment Report

2. Project Description The proposed development comprises of the following works:

The proposed development will involve the construction of 7 no. dwellings at various locations within the St. Patrick's Park, Rathangan. The dwellings will have private gardens. The development will involve the demolition of 15 residential units, refurbishment of 26 Vacant Units, 7 new housing units, creation of new green space at the location of demolished units which will include extensive landscaping and recreational areas, additional roads and car parking, part rerouting of drainage/utilities, other ancillary site works and an upgrade to the grey water drainage system.

The site is in a suburban setting to the East of Rathangan Town. It is located in the St. Patrick's Park Estate which also includes an area of amenity grassland associated with the housing estate.

The broader surroundings consist mainly of housing estates, and an agricultural meadow and hedgerows.



Location of St. Patrick's Park Rathangan

Geology and soils

The Site is underlain by limestone (peloidal calcarenitic limestone), which is a regionally-important gravel aquifer. Subsoils are limestone gravel, and soils are made ground. It is expected that the Site is well drained.

Soils and subsoils are made ground.

Hydrology There are no significant rivers, streams within or adjacent to the proposed development site.

Habitats of the proposed Development Site

The habitats of the development site are entirely of an urban character, comprising buildings and artificial surfaces and urban gardens, the urban garden includes some tall trees and dry meadows and grassy verge and scrub and is surrounded by concrete block walls.

Ecological Value

The site is highly modified and urban and concrete block walls and a small area of trees which have a low local ecological value.

Overall Ecological Value

The location of the proposed is in a highly modified urban area which is of low habitat and species diversity and of low ecological interest.

No annexed habitats or species of conservation interest occur within the footprint of the development.

The proposed redevelopment is located at *circa* 7km from nearest SAC and impact to any European Site i.e. SAC or SPA was screened out in the Screening for Appropriate Assessment Document included with this application, which concluded no significant impact to any European Site as a result of this work.

Description of the proposed development

The proposed development will involve the construction of 7 no. dwellings at various locations within the St. Patrick's Park, Rathangan. The dwellings will have private gardens. The development will involve the demolition of 15 residential units, refurbishment of 26 Vacant Units, 7 new housing units, creation of new green space at the location of demolished units which will include extensive landscaping and recreational areas, additional roads and car parking, part rerouting of drainage/utilities, other ancillary site works and an upgrade to the grey water drainage system.

Foul water will be discharged to an Irish Water foul-sewer in St. Patrick's Park and conveyed to the Rathangan Waste Water Treatment Plant. Storm water from roofs will be directed to a new onsite infiltration tank and will soak to ground. Other hard surfaces will be permeable, allowing rainwater to soak to ground.

Location and Layout

See Site Layout and Architectural Drawings attached in **Appendix 1**.

3. Screening Assessment

Table 1. Characteristics of proposed development

Is the size and design of the proposed works significant?	No
Potential for impacts from project in cumulation with other existing and/or approved projects	No
Use of natural resources in particular land, soil, water and biodiversity?	No
Will the works produce waste?	<p>Yes a small amount of rubble will be generated from the demolition of some houses within the estate. However, all waste generated from the demolition will be removed from the site to a licensed disposal site and any waste containing asbestos material will be disposed of in accordance with the proprietary management of this material and conveyed by a licensed contractor to a designated disposal site.</p> <p>Therefore there will be no adverse impact to the environment resulting from the demolition as outlined.</p>
Will the works create a significant amount of pollution or nuisance?	No
Risk of major accidents and/or disasters relevant to the project including those caused by Climate Change in accordance with scientific knowledge?	No
Risks to human health (water contamination, air pollution)	No
Potential for cumulative impacts with other existing and/or approved projects?	No

Table 2. Location of Proposed Development

Environmental Sensitivity of project in relation to existing and approved land use.	No impact envisaged
Relative abundance, availability, quality and regenerative capacity of natural resources (including soil, land, water and biodiversity) in the area and its underground	Development will not impact on site regenerative capacity for natural resources (including soil, land, water and biodiversity) in the area and its underground
Absorption capacity of the natural environment including wetlands, riparian areas, river mouths, coastal zones and the marine environment, mountain and forest area	Not Applicable
Potential of works to impact directly or indirectly on sites designated for nature conservation (NHA/SAC/SPA)	A detailed Natura Impact Statement included with this application found that having considered the particulars of the proposed development, it was concluded there is no risk of direct or indirect impacts on any Natura 2000 sites. Also it was found that on the basis of objective scientific information following screening, that the plan or project, individually or in combination with other plans or projects, will have a significant effect on a European site.
Potential for impacts directly or indirectly on Habitats or Species listed on Annex I, II and IV of the Habitats Directive	None (no annexed habitat or species occurs within the proposed development site)
Potential for impacts on breeding places of any species protected under the Wildlife Act?	None
Potential to impact directly or indirectly on any listed ACA in the County Development Plan?	None
Potential to impact directly or indirectly on any protected structure or recorded monuments and places of Archaeological Interest	None
Potential to impact directly or indirectly on listed or scenic views or protected landscape in the County Development Plan?	None
Potential to impact on areas in which there has already been a failure to meet the environmental quality standards and relevant to the project, or in which it is considered that	None

there is such a failure	
Potential to impact on densely populated areas.	None

Table 3. Characteristics of Potential Impacts

Human Beings	No impacts are identified
Flora and Fauna	No habitat loss will be incurred by the proposed development
Soils and Geology	No impact on existing soil characteristics by the proposed development
Water	The site development will upgraded drainage systems for grey water on site which will be of higher quality than at present and will thus be an improvement to local water quality. Foul water will be directed to the local sewage treatment plan and the treatment plant is of sufficient capacity to cater for the 7 infill housing units and therefore there will not be a deleterious impact to water quality as a result of the proposed development.
Air and Climate	No impact on air quality by the proposed development
Noise and Vibration	Noise and Vibration levels will be restricted during the works, no potential impacts following construction
Landscape	The site is within the core urban fabric of Rathangan and the proposed development will not have a negative impact on the existing landscape.
Material Assets	The proposed development will not have any significant impact on material assets including public utilities and natural resources
Cultural Heritage	None
Interaction of Foregoing	No significant effects likely to arise associated with the characteristics of the potential impacts or their interactions as outlined.

Table 4. Discussion of Potential Impacts

Will a large geographical area be impacted as a result of the proposed works?	No
Will a large population be impacted as a result of the proposed works?	No
Are any trans-frontier impacts likely to arise from proposed works?	No
Is the intensity and complexity of impacts associated with the proposed works considered significant?	No
Is there a high probability that the impacts will occur?	Conservation led design will provide safeguards in relation to potential impacts ensuring low probability that impacts will occur
What is the expected onset, duration, frequency and reversibility of the impact?	Conservation led design will provide safeguards in relation to potential impacts ensuring low probability that impacts will occur
Cumulation of the impact with the impact of other existing and/or approved projects?	It is considered that no significant cumulative effects will arise
Will it be difficult to avoid, or reduce or repair or compensate for the effects?	The proposed plan aims to reduce effects of any potential impact

4. Conclusion

The DoEHLG Guidance Document "Environmental Impact Assessment (EIA) Guidance for Consent Authorities regarding Sub-Threshold Development" notes that "The greater the number of different aspects of the environment which are likely to be affected and the greater the links between the effects, the more likely it is that an EIS should be carried out. Where 5 complexity of impacts is deemed to apply in the case of a specific sub-threshold development proposal, there should be a predisposition towards the preparation of an EIS".

In consideration of the above involving appraisal of characteristics and location of proposed development and characteristics of potential impacts and having regard to Annex III criteria of the EIA Directive it is concluded that an EIAR is not required for the proposed development for residential infill development at St. Patrick's, Rathangan, Co. Kildare.

Appendix 1. Site Layout



