



Parks Section, Community & Cultural Development Department

**Proposed Development – Floodlighting of the Running
Track & Soccer Pitch at Kilbogget Park
PC/PKS/03/24**

Part 8 Report

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Revision:

Final

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1. Introduction:

The following report is a summary of the primary features of the proposed development, comprising the installation of floodlighting at the athletics track and grass soccer pitch in Kilbogget Park, Dun Laoghaire, Co. Dublin. This report summarises the information given in the associated drawings and any ancillary reports.

2. Site Location and Scope

The site – the subject of this Part 8 - is located in Kilbogget Park close to the entrance at the N11, Cabinteely, Dublin 18. The proposed works comprise the installation of floodlighting columns, including foundations and ducting, at the athletic track and soccer pitch, for Club and community usage. The site as outlined in 2307-01 on the site location plan is approximately 0.45 Hectares.

3. Planning Context

3.1 Context:

The site is in Kilbogget Park which is a District Park in Dun Laoghaire Rathdown. It is approximately 41.5 hectares in size and comprises a playground, 12 playing pitches (GAA, Soccer and Rugby), all weather facilities, 8 lane world Athletics standard running track, boules area, walking and cycling trails, river and wetland and sports buildings.

3.2 Zoning:

The site zoning is Objective F – to preserve and provide for open space with ancillary active recreational amenities. Under this zoning, a sports facility is permitted in principle. The proposed works are entirely consistent with zoning objective F.

3.3 Policy:

The development will tie in with the relevant national and regional policy as well as the following specific policies outlined in the County Development Plan 2022-2028;

Policy Objective OSR3: Future Improvements

It is a Policy Objective to continue to improve, plant and develop more intensive recreational and leisure facilities within parks and public open spaces insofar, as resources will permit, while ensuring that the development of appropriate complementary facilities does not detract from the overall amenity of the spaces.

Policy Objective OSR5: Public Health, Open Space and Healthy Placemaking

It is a Policy Objective to support the objectives of public health policy including Healthy Ireland and the National Physical Activity Plan (NPAP) 2016, to increase physical activity levels across the whole population thus creating a society, which facilities people whether at home, at work or at play to lead a more active way of life (consistent with RPO 9.16).

Policy Objective OSR9 – Sports and Recreational Facilities

It is a Policy Objective to promote the provision, and management of high-quality sporting, and recreational infrastructure throughout the County, in accordance with the National Sports Policy 2018-2027, and dlr Space to Play: a new approach to Sports Facilities Strategy', 2017-2022, to ensure that the needs of different groups are incorporated into the planning and design of new facilities.

Policy Objective OSR10: Protection of Sports Grounds/Facilities:

It is a Policy Objective:

- To ensure that adequate playing fields for formal active recreation are provided for in new development areas.
- That existing sports facilities and grounds within the established urban area are protected, retained, and enhanced.
- To increase the number of playing pitches in the County.
- To maximise the use of playing pitches in the County and for playing pitches to be utilised seven days a week, subject to protecting adjoining residential amenity

Policy Objective PHP13: Equality, Social Inclusion and Participation

It is a Policy Objective to promote equality and progressively reduce all forms of social exclusion that can be experienced because of gender, gender identity, marital status, family status, age, race, religion, disability, sexual orientation, nationality, homelessness, and membership of the Traveller Community and promote active participation consistent with RPO 9.1 and RPO 9.2 of the RSES.

Policy Objective EI15: Light Pollution

It is a Policy Objective to ensure that the design of external lighting schemes minimise the incidence of light spillage or pollution in the immediate surrounding environment and has due regard to the residential amenity of surrounding areas.

Policy Objective GIB19: Habitats Directive

It is a Policy Objective to ensure the protection of natural heritage and biodiversity, including European Sites that form part of the Natura 2000 network, in accordance with relevant EU Environmental Directives and applicable National Legislation, Policies, Plans and Guidelines.

3.4 Strategy:

Dún Laoghaire Rathdown County Council has adopted the following additional strategies that are pertinent to the proposed development:

Space to Play – Dún Laoghaire Rathdown County Council Sports Facilities Strategy 2017-2022:

The strategy sets out a logical, deliverable pathway for the optimum use of existing, and the development of new public sporting and physical activity facilities within the County.

4. Nature & Extent of the Proposed Development

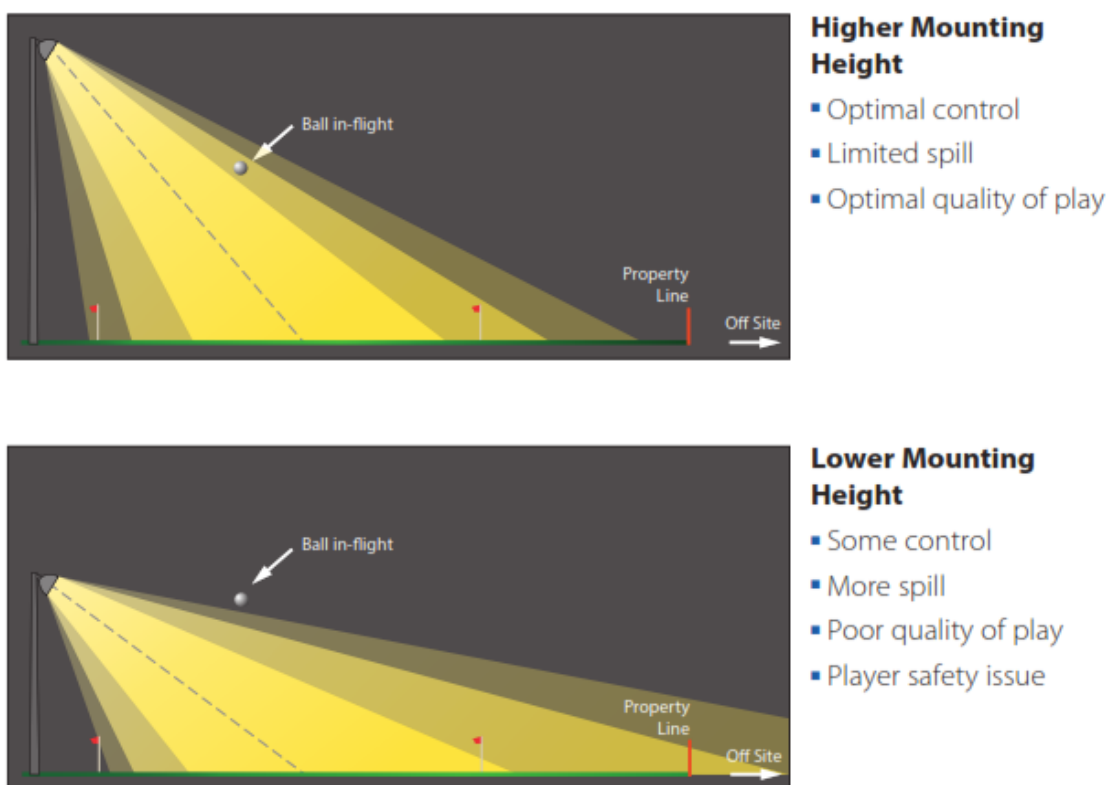
The nature and extent of the proposed development is outlined below. This description of the proposed works should be read in conjunction with the supporting drawings and reports. The proposed development will provide community facilities for local clubs and groups and ensure a long-term and sustainable use for the Athletics running track and soccer pitch.

Floodlighting:

The floodlighting design undertaken uses the latest floodlighting design technology to reduce the impact of light spill on adjoining lands, trees, and hedgerows. The floodlighting for the pitch requires 250 lux level average and the floodlighting for the athletics track has been designed to

achieve an average light level of 200 lux in accordance with World Athletics Standards. The lighting design uses 2no. (P1-P2) 18.29m and 4no.(T1-T4) 21.34m high galvanised steel columns similar to those used in the all-weather pitches throughout the county.

Choosing appropriate number of columns and column heights is key to the overall quality of the lighting design. Based on the size of the pitch, the athletics track and the sports being played, the competition level, and the application of the floodlighting system (televised or non-televised); column numbers and height requirements must be accurately assessed to ensure the aiming angle of the floodlight onto the pitch is at an appropriate degree to maintain good playability, control glare, and reduce spill light on adjoining properties and roadway. See the diagram below:



In accordance with GN01/21 – ILP The Reduction of Obtrusive Light lighting the system proposed is designed 'so that the front glazing is kept at or near horizontal; parallel to the surface to be lit or ground'. In accordance with (ILP) GN 08/18 – Bats and Artificial Lighting in the UK 'only luminaires with upward light ratio of 0% and good optical control' and 'luminaires will always be mounted on the horizontal, i.e., no upward tilt.

The luminaires will be LED which are much more energy efficient than the metal halide alternative. Associated civil works (ducting, foundations for columns, installation of mini pillars etc) will be undertaken whilst all electrical controls and switches will be brought to an area adjacent to the track.

A three-phase power connection and associated ESB substation will be required, and this will be located in close proximity to the track access gate. The lighting design has been prepared in

compliance with the Chartered Institute of Building Services Engineers Lighting Guide 4: Sports Lighting (CIBSE LG4) & the Institute of Lighting Professionals (ILP), Guidance Note for the Reduction of Obtrusive Light & GN01:2021 and Guidance Note for Bats and Artificial Lighting in the UK GN08:2018. All lighting has been designed to be bat sensitive. The lights will provide only the amount of light necessary for the task in hand and shield the light given out to avoid creating glare or omitting light above the horizontal plane. The lighting design has been undertaken by MUSCO Lighting and is included in the Part 8 drawings.

The floodlighting will be operational from 06:00-08:00 and 17:00 until 22:00, Monday to Sunday. In addition, significant seasonal restrictions will be deployed as outlined in the Ecological Impact Assessment (EclA) and AA Screening report to minimize any impacts on bats including no floodlighting allowed in April, May, August and September.

A light test will be undertaken post construction, and a bat specialist will provide a report to confirm compliance. There will be on-going monitoring of any impacts on bats and other species and lighting times may change as required.

5. Environmental Impact Assessment Screening:

The Council carried out a preliminary examination of the proposal in accordance with Article 120(1)(a) of the Planning and Development Regulations 2001 (as amended). Based on the nature, size and location of the development, the Council considered on the basis of that there was significant and realistic doubt regarding the likelihood of significant effects on the environment. Consequently, and in accordance with Article 120(1)(b)(ii) of the Regulations (as amended), the Council caused an EIA screening report to be prepared (by McCabe Durney Barnes based on the information that is specified in Schedule 7A of the Planning and Development Regulations 2001 as amended for the purposes of a screening determination.

Taking account of the findings of the EIA screening report, the Council has determined that there is no real likelihood of significant effects on the environment arising from the proposed development for the reasons set out in the EIA Determination. As a result, the proposal does not need to be subject to Environmental Impact Assessment and no Environmental Impact Assessment Report needs to be prepared for it.

The EIA screening report and determination are appended to this Part 8 Report (as Appendices 1 and 2).

6. Appropriate Assessment – Screening Statement:

In accordance with Article 6(3) of the EU Habitats Directive (Directive 92/43/EEC) and Regulation 42(1) of the European Communities (Birds and Natural Habitats) Regulations 2011 as amended the Council caused JBA Consulting to undertake Appropriate Assessment screening to assess, in view of best scientific knowledge and the conservation objectives of the European Sites, if the proposed development, individually or in combination with other plans or projects is likely to have a significant effect on a European Site(s). As required under Regulation 42(7) of the European Communities (Birds and Natural Habitats) Regulations 2011 as amended, the County Council has made a determination following screening that an Appropriate Assessment

is not required. The proposed development is not directly, connected with or necessary to the management of sites as European sites and it can be concluded, on the basis, of objective information, that the proposed development individually or in combination with other plans or projects is not likely to have a significant effect on the European sites identified and listed in the AA Screening Report prepared by JBA Consulting. This determination is based on information supplied by JBA Consulting detailed in the Report. From this AA screening exercise, it has been determined that no significant likely effects may arise on any European sites as a result of the proposed development in combination with other plans and projects, through surface water, land and air, and groundwater pathways. This assessment was undertaken in the absence of mitigation measures. The project screened out for Appropriate Assessment based on the location of the works, the nature and the scale of the works.

The AA screening report and determination are appended to this Part 8 Report (as Appendices 3 and 4).

7. Ecological Impact Assessment (EclA)

An Ecological Impact Assessment (EclA) report has been undertaken by JBA Consulting (environmental consultants) and the report is included as an Appendix to the main Part 8 Report (see Appendix 5). All recommendation as outlined in this report will be implemented as part of the proposed development.

Reports:

Appendix 1: Environmental Impact Assessment Screening

Appendix 2: Environmental Impact Assessment Screening Determination

Appendix 3: Appropriate Assessment Screening Report

Appendix 4: Appropriate Assessment Screening Determination

Appendix 5: Ecological Impact Assessment (EclA)

Drawings (list):

2307-01 - Site Location Map

Lighting Design Drawings

Column Elevations