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1 Introduction

1.1 Development Description

The subject site for this EV Charging report is the proposed residential development at Lehaunstown Land, Cherrywood.

The subject site for this Lighting Impact Assessment report is the proposed residential development at Lehaunstown Land, Cherrywood.

The site is located off Lehaunstown Lane, Laughanstown, Co Dublin. It consists of a rectangular plot of land in agricultural use with an area of approximately 3.58 hectares.

The development, accessed via a new road connecting the development site to The Parade, consists of 109 residential units made up of terraced houses, duplexes and apartment buildings ranging in height from 2 to 4 storeys organised around a hierarchy of pedestrian-oriented spaces together with associated surface and underground parking, ESB substations, cycle parking, communal and public open space and associated landscaping



Figure 1-Site Lighting Extent

2 Outline

All development will be required to ensure that all car parking spaces are future-proofed for Electric Vehicles (EVs) or 'EV Ready'. At a minimum, applicants for residential and non-residential developments will be required to future proof for electric vehicle charging points at appropriate locations, including homes, businesses, on-street and multi-storey car parks, where parking is provided through the installation of ducting. The provision of electric charging points as part of residential and non-residential developments, including developments with publicly accessible car parking spaces, shall be provided in line with the standards outlined in the current Dun Laoghaire Rathdown County Development Plan

There is a total of 90 No. car parking spaces of which. The design includes Electric Vehicle (EV) Charging to at least 1 per 5 car parking spaces, which is 20% of the total car spaces which is the minimum required. The houses have designated car parking space in front of the units, it has been allowed for individual EV charging points for future installation.

The EV is provided by 9No. dual charger each serving 2No. adjacent car parking spaces, which are 18 car parking spaces equipped with EV Charging point covering the 20% minimum requirement. For the remaining of dwellings it will be provided facilitation for future installation of EV chargers. This includes provision of containment and cabling internally enclosure where the cabling will be terminated. From this enclosure, underground PVC ducting is provided to their allocated car space.

Car parking spaces at apartments will be privately managed by a management company. Future EV chargers in this area will have a dedicated ESBN meter, independent of the consumer unit, with a load management system. Space has been allocated at the landlord's main distribution board to add ESBN meter, switch fuses and load management system for EV chargers at a later stage.

3 Drawings

Refer to Site ducting layout for EV Chargers & Basement -1 Level Ducting Layout for EV Chargers.