



Planning submission

**Development at Gordon Park, Kingswood, Citywest,
Dublin 24**

EV charging

Project:	Gordon Park, Kingswoods, Citywest
Client:	Greenwalk Developments Ltd.
Architects:	CCK
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1.0 INTRODUCTION

In relation to the proposed residential development at Gordon Park, Kingswood for Greenwalk Developments Ltd. we have detailed below the proposed strategy for electric vehicle charging to service the site.

It is proposed to provide the necessary infrastructure in line with the requirements of TGD Part L 2021, as per regulation 5(f):

A building (containing one, or more than one, dwelling), which has more than 10 car parking spaces, that is: (i) new; or (ii) subject to subparagraph (g), undergoing major renovation, shall have installed ducting infrastructure (consisting of conduits for electric cables) for each car parking space to enable the subsequent installation of recharging points for electric vehicles.

2.0 PROPOSED EV CHARGING STRATEGY

The proposed EV charging installation and details are outlined below. It is proposed to provide provision for EV charging to all dwellings with on-curtilage parking. An external power point will be provided externally to each dwelling to facilitate charging while parked on the driveway.

In relation to the proposed Duplex block, it is proposed to provide 14 communal car parking spaces. As per the requirements of TGD Part L, ducting infrastructure shall be provided to all spaces to enable subsequent installation of charging points.

It is further proposed to install 2 no. EV charging points to cater for these spaces.

EV charging shall be connected to local midi pillar as detailed on the attached drawing. The midi pillar shall be connected to nearest ESB minipillar via a metered connection. The EV chargers shall be wired via 10mm² SWA/PVC/LSF cable via ESB approved ducting from midpillar to EV charging point.

Proposed EV charger specifications are also appended for approval, a summary of the specification is provided below:



Clear charge indicator at the top



Front side raking light highlighting any information sheet



Illuminated and weatherproof outlet
Lockable service hatch
Separate RFID reader for each outlet



In addition to the above, it is proposed to provide an external IP66 rated socket to each dwelling with on curtilage parking. This will provide option for all homeowners with on curtilage parking to avail of EV charging. AS there are myriad options for charger outlets and varying requirements dependent on vehicle, it is proposed to provide a standard external socket which shall be wired on a dedicated circuit from the dwelling fuseboard. The circuit shall be protected by a dedicated RCD/RCBO and shall be wired in 6mm² cable directly to the external socket. Proposed socket outlet is indicated below and specifications are appended to this report.