

Kenmare LRD

Proposed Residential Development

# Electric Vehicle Charging Assessment Report

Pat Scarteen Road  
(Kenmare by-pass)  
Kenmare  
Co. Kerry

Client  
KPH Construction

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# 1 Introduction

## 1.1 Report purpose

This report gives information on the electric vehicle charging infrastructure installation in connection with the new proposed project covering the private and public (on-street) parking spaces.

## 1.2 Instruction

DKPartnership (DKP) have been commissioned by KPH Construction, Kenmare, Co. Kerry to carry out the analysis and report for the proposed development at Pat Scarteen Road (Kenmare by-pass), Kenmare, Co. Kerry.

## 1.3 Development detail

KPH Construction intend to apply for planning permission for a Large-scale Residential Development (LRD) at a site located off Pat Scarteen Road, Killowen, (townland), Kenmare, Co. Kerry.

The proposed development includes the demolition of 2 no. existing single-storey sheds and the construction of 100 no. residential units comprising 30 no. 1-bed units; 30 no. 2-bed units; and 40 no. 3-bed houses, with ancillary landscaping and associated site development works. The development makes provision for 40 no. two-storey houses, comprising 36 no. semi-detached 3 bed units and 4 no. 3 bed mid-terraced units and 60 no. own-door maisonette/apartment units over 2 no. storeys (30 no. 1 bed units, 30 no. 2 bed units).

Vehicular access to the development will be via an upgraded and relocated entrance off the Pat Scarteen Road, with proposed upgrades including amendments to the existing shared pedestrian/cycle path and modifications to the signing and lining on the public road. The proposed development also provides for separate pedestrian/cycle entrances off Pat Scarteen Road and includes dedicated pedestrian and cycling paths traversing the site.

Ancillary infrastructure development works will include wastewater infrastructure, a pumping station, surface water attenuation, water utility services, public lighting, bin stores, bicycle stores, ESB substations, landscaping and all associated site development works.

## 1.4 Policy and building regulation requirements

The project is subject to the following statutory and policy target requirements:

- a) Part L 2022 (Dwellings)
- b) Part L 2022 (Other than Dwellings)
- c) Kerry County Council Development Plan 22-28



## 2 Executive summary

### 2.1 Analysis conducted

This report analyses the requirement for infrastructure and charger locations for both the private parking spaces for dwelling houses where the parking spaces are within the curtilage of the dwelling house and the parking spaces for the new buildings containing multiple dwellings (apartments/duplexes) where the parking spaces are deemed to be public/on-street/off-curtilage parking spaces.

### 2.2 Part L, Part M and KCC EV Charging requirements

*Part L 2022* for “Dwellings” (see table 4.1) refers to the EV charging requirements for dwellings or buildings with one or more dwellings (apartment blocks) where the parking spaces are within the curtilage of the relevant dwelling/building and does not cover EV requirements for parking spaces outside the curtilage of dwellings or buildings with one or more dwellings.

*Part L 2022* for “Buildings other than dwellings” (see table 4.2) refers to the EV charging requirements for dwellings or buildings with one or more dwellings (apartment blocks) where the parking spaces are within the curtilage of the relevant dwelling/building and does not cover EV requirements for parking spaces outside the curtilage of dwellings or buildings with one or more dwellings.

*Kerry County Council Development Plan 2022-2028*; (see table 4.5) schedules the KCC Development Plan 2022-2028 EV requirements (section 1.20.7.1) and like *Part L 2022* does not cover parking spaces outside the curtilage of dwelling houses or outside the curtilage of multi-unit buildings.

*Regional & Local EV charging network plan 2024-2030*; The government's overall EV charging strategy document gives information on general EV charging implementation but does not give any specific requirements with regards to minimum quantities to be applied.

Following on from sections 4.3 and 4.3 representing the Part L, Part M and KCC Development Plan 22-28 EV charging requirements the following tables represent the minimum EV infrastructure, serviced EV charging point locations and operational EV charging point locations for the proposed project based on the developments proposed on-site parking.

Part L and Part M minimum EV requirements;

| PARKING SPACES                                | On-site parking | Provide EV infrastructure |          | Provide EV future charger point location |          | Provide EV operational charger point location |          |
|-----------------------------------------------|-----------------|---------------------------|----------|------------------------------------------|----------|-----------------------------------------------|----------|
|                                               | provided        | requirement               | required | requirement                              | required | requirement                                   | required |
| On curtilage (residential)                    | 0               | 1/1                       | 0        | 1/1                                      | 0        | 0                                             | 0        |
| On curtilage (multiple residential)           | 0               | 1/1                       | 0        | 1/1                                      | 0        | 0                                             | 0        |
| On curtilage DAC (multiple residential) 5%    | 0               | 1/5                       | 0        | 1/5                                      | 0        | 0                                             | 0        |
| Off curtilage (residential public)            | 110             | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage DAC (residential public) 5%     | 6               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| On curtilage (non residential)                | 0               | 1/5                       | 0        | 1/5                                      | 0        | 1/5                                           | 0        |
| On curtilage DAC (non residential) 5%         | 0               | 1/5                       | 0        | 1/5                                      | 0        | 1/5                                           | 0        |
| Off curtilage (non residential public)        | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage DAC (non residential public) 5% | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Totals                                        | 116             | n/a                       | 0        | n/a                                      | 0        | n/a                                           | 0        |

Copy of table 4.3 The Building Regulations Part L/M EV charging requirements and project impacts. - = Not covered by Part L.



KCC DP 22-28 minimum EV requirements;

| PARKING SPACES                                | On-site parking | Provide EV infrastructure |          | Provide EV future charger point location |          | Provide EV operational charger point location |          |
|-----------------------------------------------|-----------------|---------------------------|----------|------------------------------------------|----------|-----------------------------------------------|----------|
|                                               | provided        | requirement               | required | requirement                              | required | requirement                                   | required |
| On curtilage (residential)                    | 0               | 1/1                       | 0        | 1/1                                      | 0        | 0                                             | 0        |
| On curtilage (multiple residential)           | 0               | 1/1                       | 0        | 1/5                                      | 0        | 0                                             | 0        |
| On curtilage DAC (multiple residential) 5%    | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage (residential public)            | 110             | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage DAC (residential public) 5%     | 6               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| On curtilage (non residential)                | 0               | 1/5                       | 0        | 1/5                                      | 0        | 1/5                                           | 0        |
| On curtilage DAC (non residential) 5%         | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage (non residential public)        | 0               | 1/5                       | 0        | 1/5                                      | 0        | 1/5                                           | 0        |
| Off curtilage DAC (non residential public) 5% | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Totals                                        | 116             | n/a                       | 0        | n/a                                      | 0        | n/a                                           | 0        |

Copy of table 4.5 The KCC EV charging requirements. - = Not covered by KCC DP 22-28.

### 2.3 Achieved EV infrastructure and charger point location cover

The tables below represent the archived EV infrastructure, EV charger point locations and operational EV charger point locations taken from the EV charger infrastructure site drawing DKP 80301 and compares these with the required EV infrastructure, EV charger point locations and operational EV charger point locations under Part L 2022 and the KCC 22-28 Development Plan.

Part L and Part M EV infrastructure etc. : Required -v- Achieved comparison table.

| PARKING SPACES                                | On-site parking | Provide EV infrastructure |          | Provide EV future charger point location |          | Provide EV operational charger point location |          |
|-----------------------------------------------|-----------------|---------------------------|----------|------------------------------------------|----------|-----------------------------------------------|----------|
|                                               | indicated       | Required                  | Provided | Required                                 | Provided | Required                                      | Provided |
| Part L and Part M                             |                 |                           |          |                                          |          |                                               |          |
| On curtilage (residential)                    | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage (multiple residential)           | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage DAC (multiple residential) 5%    | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage (residential public)            | 110             | 0                         | 83       | 0                                        | 42       | 0                                             | 3        |
| Off curtilage DAC (residential public) 5%     | 6               | 0                         | 6        | 0                                        | 6        | 0                                             | 3        |
| On curtilage (non residential)                | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage DAC (non residential) 5%         | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage (non residential public)        | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage DAC (non residential public) 5% | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Totals                                        | 116             | 0                         | 89       | 0                                        | 48       | 0                                             | 6        |

Copy of table 5.1 The Building Regulations Part L and Part M EV charging requirements and provided services.

From the Part L and Part M achieved -v- required comparison table we note we do not have any residential private parking spaces within the curtilage of the relevant dwelling house. Part L 2022 does not cover any residential off-curtilage / public / on-street car parking space EV charging requirements however infrastructure in the form of ductwork has been provided to cater for 6 no operational charging point locations and a possible 83 no (75%) future charging point locations with 42 no. (ca 50%) future charger point locations currently shown on the drawings to leave some non EV charging parking spaces available..



KCC EV charging infrastructure etc.: Required -v- Achieved comparison table.

| PARKING SPACES<br>KCC DP 2022-2028            | On-site parking | Provide EV infrastructure |          | Provide EV future charger point location |          | Provide EV operational charger point location |          |
|-----------------------------------------------|-----------------|---------------------------|----------|------------------------------------------|----------|-----------------------------------------------|----------|
|                                               | indicated       | Required                  | Provided | Required                                 | Provided | Required                                      | Provided |
| On curtilage (residential)                    | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage (multiple residential)           | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage DAC (multiple residential) 5%    | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage (residential public)            | 110             | 0                         | 83       | 0                                        | 42       | 0                                             | 3        |
| Off curtilage DAC (residential public) 5%     | 6               | 0                         | 6        | 0                                        | 6        | 0                                             | 3        |
| On curtilage (non residential)                | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage DAC (non residential) 5%         | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage (non residential public)        | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage DAC (non residential public) 5% | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Totals                                        | 116             | 0                         | 89       | 0                                        | 48       | 0                                             | 6        |

Copy of table 5.2 The KCC DP 22-28 EV charging requirements and provided services.

From the KCC development plan 2022-2028 achieved -v- required comparison table we note that we do not have any residential private parking spaces within the curtilage of the relevant dwelling house. The KCC development plan 2022-2028 does not cover any residential off-curtilage / public / on-street car parking space EV charging requirements however infrastructure in the form of ductwork has been provided to cater for 6 no operational charging point locations and a possible 83 no (75%) future charging point locations with 42 no. (ca 50%) future charger point locations currently shown on the drawings to leave some non EV charging parking spaces available..

## 2.4 Conclusion

We note that we do not have any on-curtilage private parking spaces and that that 83 no. or ca 75% of all residential off-curtilage (public/on-street) car parking spaces have been provided with the infrastructure for EV charging points including 6 no. operational charging points although there is no requirement to provide for these under both the Part L 2022 and KCC Development Plan 22-28 and therefore we, DKP deem the electrical vehicle charging infrastructure design to be in compliance with the applied standards and recommendations.

## 2.5 Mitigation measures / actions

No mitigation measures required for compliance to the relevant EV charging requirements.



### 3 Geographical overview

#### 3.1 Project overview

Image 3.1, the (google maps) site map below shows the approximate location of the site with proposed development approximately outlined in red.



Image 3.1: Proposed development site boundary. Imagery © Google 2024.

## 4 Approach and methodology

### 4.1 Analysis approach

For the design of the Electric Vehicle charging infrastructure installation we applied the direction given in Part L 2022 (current) identified in section 4.3. Kerry County Council Development Plan references the building regulations.

### 4.2 The extend of the parking spaces

The following parking spaces have been including in the EV charging infrastructure design.



Image 4.1 Architects layout with car parking spaces highlighted.

|                 |                        |                       |             |
|-----------------|------------------------|-----------------------|-------------|
| Parking space : | On curtilage Parking : | Off Curtilage Parking | DAC parking |
|-----------------|------------------------|-----------------------|-------------|



#### 4.3 Part L 2022 compliance EV requirements

The current Part L (2022) for “Dwellings” and “Buildings other than dwellings” do not cover the requirements of the “public / off-curtilage / on-street” electric vehicle charging typically found in an housing estate or multiple housing development but notes the requirements of a single residential dwelling or a single building containing one or more residential dwellings as per clauses tabled below.

Part L EV charging requirements for dwellings.

| Part L for “Dwellings”                                                                                                                                                                                                                                                               | EV Charging Requirements                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dwellings; 1.4.6.1 For a new building (containing one, or more than one, dwelling) where A) the car park is located inside the building, e.g. a basement car park; or B) the car park is physically adjacent to the building, i.e. the car park is within the curtilage of the site. | Ducting infrastructure, consisting of conduits for electric cables, should be provided for every parking space, to enable the subsequent installation of recharging points for electric vehicles. Also refer to the guidance for accessible on-site car parking as outlined in Paragraph 1.1.5 of TGD M 2010. |
| Dwellings; 1.4.6.3 Dwelling House Electric Vehicle Recharging Infrastructure.                                                                                                                                                                                                        | Adequate provision to be provided to enable the installation of an electric vehicle recharging point should include appropriate electric vehicle recharging infrastructure to the car parking space.                                                                                                          |

Table 4.1. The Part L 2022 EV requirements for “dwellings”.

Part L EV charging requirements for buildings other than dwellings.

| Part L for “Buildings other than dwellings”                                                                                                                                                                                                                                                                                                                                                   | EV Charging Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buildings other than dwellings; 1.4.7.1 For new buildings, where there are more than 10 car parking spaces and where the car park is located inside the building, e.g. a basement car park; or the car park is physically adjacent to the building, i.e. the car park is within the curtilage of the site, the following minimum electric vehicle recharging installation should be provided: | At least 1 recharging point within the meaning of Directive 2014/94/EU of the European Parliament and of the Council of the European Union; Ducting infrastructure, consisting of conduits for electric cables, for at least 1 in every 5 car parking spaces, or part thereof, to enable the subsequent installation of recharging points for electric vehicles; at least 1 accessible recharging point; or 5% of the total recharging point provision, whichever is the greater, in accordance with similar provision for accessible car parking spaces as outlined in TGD M 2010 Sub-section 1.1.5. Where only 1 recharging point is provided this should be located so that it can be used either from a standard car parking bay or from an accessible car parking bay, and where this is not possible then 2 recharging points should be provided. |

Table 4.2 The Part L 2022 EV requirements for “buildings other than dwellings”.

Following on from the Part-L and Part-M EV requirements to following table represents the categorised requirements for the dwellings & multi dwelling buildings.

| PARKING SPACES                                | On-site parking | Provide EV infrastructure |          | Provide EV future charger point location |          | Provide EV operational charger point location |          |
|-----------------------------------------------|-----------------|---------------------------|----------|------------------------------------------|----------|-----------------------------------------------|----------|
|                                               | provided        | requirement               | required | requirement                              | required | requirement                                   | required |
| On curtilage (residential)                    | 0               | 1/1                       | 0        | 1/1                                      | 0        | 0                                             | 0        |
| On curtilage (multiple residential)           | 0               | 1/1                       | 0        | 1/1                                      | 0        | 0                                             | 0        |
| On curtilage DAC (multiple residential) 5%    | 0               | 1/5                       | 0        | 1/5                                      | 0        | 0                                             | 0        |
| Off curtilage (residential public)            | 110             | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage DAC (residential public) 5%     | 6               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| On curtilage (non residential)                | 0               | 1/5                       | 0        | 1/5                                      | 0        | 1/5                                           | 0        |
| On curtilage DAC (non residential) 5%         | 0               | 1/5                       | 0        | 1/5                                      | 0        | 1/5                                           | 0        |
| Off curtilage (non residential public)        | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage DAC (non residential public) 5% | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Totals                                        | 116             | n/a                       | 0        | n/a                                      | 0        | n/a                                           | 0        |

Table 4.3 The Building Regulations Part L and Part M EV charging requirements and project impacts. \* If more than 10 parking spaces only.



#### 4.4 Kerry County Development Plan 2022-2028 EV requirements

The following table represent the KCC DP 2022-2028 EV strategy requirements;

| Development Category                                                                                                                                              | EV Charging Requirements                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Residential multi-unit developments both new buildings and buildings undergoing major renovations (with private car spaces including visitor car parking spaces). | A minimum of 1 EV charge point space per five car parking spaces (ducting for every parking space shall also be provided).                                |
| New dwellings with in-curtilage car parking.                                                                                                                      | Installation of appropriate infrastructure to enable installation of recharging point for EV's.                                                           |
| Non-residential developments (with private car parking spaces including visitor car parking spaces with more than 10 spaces, e.g. office developments             | Provide at least 1 recharging point, and a minimum of 1 space per five car parking spaces should be equipped with one fully functional EV Charging Point. |
| Developments with publicly accessible spaces (e.g. supermarket car park, cinema etc.)                                                                             | Provide at least 1 recharging point, and a minimum of 1 space per five car parking spaces should be equipped with one fully functional EV Charging Point. |

Table 4.4 The KCC DP 2022-2028 EV requirements for "dwellings" and "buildings other than dwellings".

Following on from the KCC EV requirements to following table represents the actual developments EV requirements;

| PARKING SPACES                                | On-site parking | Provide EV infrastructure |          | Provide EV future charger point location |          | Provide EV operational charger point location |          |
|-----------------------------------------------|-----------------|---------------------------|----------|------------------------------------------|----------|-----------------------------------------------|----------|
|                                               | provided        | requirement               | required | requirement                              | required | requirement                                   | required |
| On curtilage (residential)                    | 0               | 1/1                       | 0        | 1/1                                      | 0        | 0                                             | 0        |
| On curtilage (multiple residential)           | 0               | 1/1                       | 0        | 1/5                                      | 0        | 0                                             | 0        |
| On curtilage DAC (multiple residential) 5%    | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage (residential public)            | 110             | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage DAC (residential public) 5%     | 6               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| On curtilage (non residential)                | 0               | 1/5                       | 0        | 1/5                                      | 0        | 1/5                                           | 0        |
| On curtilage DAC (non residential) 5%         | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Off curtilage (non residential public)        | 0               | 1/5                       | 0        | 1/5                                      | 0        | 1/5                                           | 0        |
| Off curtilage DAC (non residential public) 5% | 0               | -                         | 0        | -                                        | 0        | -                                             | 0        |
| Totals                                        | 116             | n/a                       | 0        | n/a                                      | 0        | n/a                                           | 0        |

Table 4.5 The KCC EV charging requirements.

#### 4.5 Regional & local EV charging network plan 2024-2030 requirements

The governments Regional & local EV charging network plan 2024-2030 gives information on general EV charging implementation and typical strategies but does not give any specific requirements with regards to minimum EV charging quantities for parking spaces to be applied.



## 5 Proposed EV charging infrastructure and conclusion

### 5.1 Achieved EV infrastructure and charger point location cover

The tables below represent the achieved EV infrastructure provision, EV charger point locations provision and operational EV charger point locations provision as per EV charger infrastructure site drawings DKP 6901 and 6902 and compares these with the required Part L, Part M and KCC required EV infrastructure, EV charger point locations and operational EV charger point locations.

Part L and Part M EV infrastructure etc. : Required -v- Achieved comparison table.

| PARKING SPACES<br>Part L and Part M           | On-site parking | Provide EV infrastructure |          | Provide EV future charger point location |          | Provide EV operational charger point location |          |
|-----------------------------------------------|-----------------|---------------------------|----------|------------------------------------------|----------|-----------------------------------------------|----------|
|                                               | indicated       | Required                  | Provided | Required                                 | Provided | Required                                      | Provided |
| On curtilage (residential)                    | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage (multiple residential)           | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage DAC (multiple residential) 5%    | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage (residential public)            | 110             | 0                         | 83       | 0                                        | 42       | 0                                             | 3        |
| Off curtilage DAC (residential public) 5%     | 6               | 0                         | 6        | 0                                        | 6        | 0                                             | 3        |
| On curtilage (non residential)                | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage DAC (non residential) 5%         | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage (non residential public)        | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage DAC (non residential public) 5% | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Totals                                        | 116             | 0                         | 89       | 0                                        | 48       | 0                                             | 6        |

Table 5.1 The Building Regulations Part L and Part M EV charging requirements and provided services.

KCC EV charging infrastructure etc.: Required -v- Achieved comparison table.

| PARKING SPACES<br>KCC DP 2022-2028            | On-site parking | Provide EV infrastructure |          | Provide EV future charger point location |          | Provide EV operational charger point location |          |
|-----------------------------------------------|-----------------|---------------------------|----------|------------------------------------------|----------|-----------------------------------------------|----------|
|                                               | indicated       | Required                  | Provided | Required                                 | Provided | Required                                      | Provided |
| On curtilage (residential)                    | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage (multiple residential)           | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage DAC (multiple residential) 5%    | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage (residential public)            | 110             | 0                         | 83       | 0                                        | 42       | 0                                             | 3        |
| Off curtilage DAC (residential public) 5%     | 6               | 0                         | 6        | 0                                        | 6        | 0                                             | 3        |
| On curtilage (non residential)                | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| On curtilage DAC (non residential) 5%         | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage (non residential public)        | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Off curtilage DAC (non residential public) 5% | 0               | 0                         | 0        | 0                                        | 0        | 0                                             | 0        |
| Totals                                        | 116             | 0                         | 89       | 0                                        | 48       | 0                                             | 6        |

Table 5.2 The KCC DP 22-28 EV charging requirements and provided services.

From the Part L, Part M and KCC achieved -v- Required comparison tables we note that we do not have any residential private parking spaces within the curtilage of the relevant dwelling house. Although there is no off-curtilage / public / on-street car parking space EV charging requirement under both Part L 2022 and the KCC 22-28 Development plan infrastructure in the form of ductwork has been provided to cater for 6 no operational charging point locations and a possible 83 no (75%) future charging point locations with 42 no. (ca 50%) future charger point locations currently shown on the drawings to leave some non EV charging parking spaces available..



## 5.2 EV highlighted EV charger point locations

The illustrations below is a clip from DKP drawing 80301 1:500 EV charging layout site layout highlighted EV charger locations. Refer to DKP drawing P0600-DKP-80301-DR-XX-XX for more accurate details.



Illustration 5.1: Clip from DKP drawing 80301 with highlighted future ● and operational ● charger point locations.

## 5.3 EV charger point infrastructure layout.

The EV charging point infrastructure drawing will be submitted prior to construction for approval once the ESB has issued the relevant mini/midi pillar information. If and when this ESB information becomes available DKP issue drawing P0600-DKP-80300-DR-XX-XX detailing the infrastructure/ductwork requirements.

## 5.4 Conclusion

We note that we do not have any on-curtilage private parking spaces and that that 83 no. or ca 75% of all residential off-curtilage (public/on-street) car parking spaces have been provided with the infrastructure for EV charging points including 6 no. operational charging points although there is no requirement to provide for these under both the Part L 2022 and KCC Development Plan 22-28 and therefore we, DKP deem the electrical vehicle charging infrastructure design to be in compliance with the applied standards and recommendations.

## 5.5 Mitigation measures / actions

No mitigation measures required for compliance to the relevant EV charging requirements.