

**Project Title:** Water Lane, Angmering

**Project No/ Document Reference:** A290-R006/C

**Date:** 21 October 2020

**Author:** Nick Billingham

## ELECTRIC VEHICLE CHARGING STRATEGY

### 1. Introduction

- 1.1. Barratt David Wilson Homes has appointed Abley Letchford Partnership Ltd to provide transport and highways advice for the Reserved Matters planning application for a development of 175 dwellings on Land at Water Lane, Angmering. The proposed Layout is attached within **Annex A** of this Technical Note.
- 1.2. The site already benefits from an outline planning consent for up to 175 dwellings which was granted in March 2019 (Arun District Council Ref : A/99/17/OUT).
- 1.3. As part of the Decision Notice that accompanied the Outline planning consent, Planning Condition 32 stipulated the following requirements:

*“Prior to commencement of development, an Electric Vehicle Charging Strategy will be prepared and submitted to the Local Planning Authority which identifies the nature, form and location of electric charging infrastructure to be provided across the development. The electric vehicle strategy shall then be implemented in accordance with the approved details”.*

### 2. Arun District Council – Electric Vehicle Charging Policy

- 2.1. Arun District Council (ADC) adopted new residential parking standards in January 2020, in the form of a Parking Standards Supplementary Planning Document (SPD).
- 2.2. The SPD also sets policy in terms of electric vehicle charging and states that residential developments should deliver the following level of provision (Paragraph 2.8 and Table 2.2 of the SPD) :
  - All new houses with a driveway and garage will be required to provide active Electric Vehicle charging points.
  - All other development will need to provide Electric Vehicle charging points in 20% of parking spaces.



### 3. Electric Vehicle Charging Strategy

- 3.1. The proposed Layout has been reviewed to identify how parking is provided for each of the units. The findings are summarised in Table 3.1 below whereas a plot by plot appraisal is attached as **Annex B**.

**Table 3.1 : Configuration of Parking Provision**

| Parking Configuration                                 | Number of Units | Percentage of Total |
|-------------------------------------------------------|-----------------|---------------------|
| Garage                                                | 63              | 36%                 |
| No Garage : Driveway Immediately Adjacent to Dwelling | 61              | 35%                 |
| No Garage : Off-Plot Allocated Parking                | 39              | 22%                 |
| No Garage : Off-Plot Courtyard Parking (Apartments)   | 12              | 7%                  |
| <b>TOTAL</b>                                          | <b>175</b>      | <b>100%</b>         |

- 3.2. Of the 175 units being delivered, a total of 124 are provided with either a garage (63 no.) or a private driveway which is immediately adjacent to a side wall of the property (61 no.). This equates to 71% of all the properties in the development.
- 3.3. A further 39 dwellings are provided with allocated parking, albeit this is off-plot and divorced from the property; sometimes due to a communal path running at the front of the properties or because the spaces are provided to the rear of the plot or on the opposite side of a private drive. The remaining 12 units have allocated parking within the courtyard areas in the vicinity of the apartment blocks in the north-eastern area of the development.

### 4. Provision of Electric Vehicle Charging Points

- 4.1. In line with the recently adopted Arun District Council parking standards, all 63 of the dwellings with garages will be provided with an active electric vehicle charging point from date of occupation. Similarly, all 61 of the dwellings with a driveway immediately adjacent to the property will also be provided with an electric charging point.
- 4.2. It is then proposed to provide electric charging points for the 12 apartments where their parking is provided within communal courtyard areas. These comprise plots 163 to 167 and plots 169 to 175. This represents 24% of the remaining 51 no. plots which don't have a garage or immediate driveway and therefore exceeds the 20% minimum required of the Arun District Council standards.



- 4.3. A total of 136 plots will therefore be provided with an electric charging point which equates to a coverage of over 77% of the total development. For ease of reference, a schedule of all the plots which identifies where an electric charge point is being provided is attached within **Annex B**.



## Annex A

### Proposed Development Layout





## Annex B

### Schedule of Electric Charging Points

Water Lane, Angmering - Schedule of Electric Chaging Points (ECPs)

| Plot No | Unit Type | Type |     |            |       | Allocated Parking |                     | Allocated Off Plot |  |
|---------|-----------|------|-----|------------|-------|-------------------|---------------------|--------------------|--|
|         |           |      |     |            |       | Garage            | Driveway (Adjacent) |                    |  |
| 1       | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 2       | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 3       | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 4       | 341       | 3    | Bed | Private    | House |                   |                     | ☒                  |  |
| 5       | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 6       | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 7       | 312       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 8       | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 9       | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 10      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 11      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 12      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 13      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 14      | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 15      | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 16      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 17      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 18      | 341A      | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 19      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 20      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 21      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 22      | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 23      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 24      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 25      | 341A      | 3    | Bed | Private    | House |                   |                     | ☒                  |  |
| 26      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 27      | 418       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 28      | 341A      | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 29      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 30      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 31      | 433       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 32      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 33      | 418       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 34      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 35      | 433       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 36      | 418       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 37      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 38      | 442       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 39      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 40      | 442       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 41      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 42      | 442       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 43      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 44      | 433       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 45      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 46      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 47      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 48      | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 49      | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 50      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 51      | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 52      | 442       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 53      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 54      | 433       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 55      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 56      | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 57      | 433       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 58      | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 59      | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 60      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 61      | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 62      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 63      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 64      | 341A      | 3    | Bed | Private    | House |                   |                     | ☒                  |  |
| 65      | 469       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 66      | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 67      | 204       | 2    | Bed | Private    | House |                   |                     | ☒                  |  |
| 68      | 204       | 2    | Bed | Private    | House |                   | ECP                 |                    |  |
| 69      | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 70      | 433       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 71      | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 72      | 456       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 73      | 52        | 3    | Bed | Affordable | House |                   |                     | ☒                  |  |
| 74      | 52        | 3    | Bed | Affordable | House |                   |                     | ☒                  |  |
| 75      | 51        | 2    | Bed | Affordable | House |                   |                     | ☒                  |  |
| 76      | 51        | 2    | Bed | Affordable | House |                   | ECP                 |                    |  |
| 77      | 341A      | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 78      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 79      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 80      | 403       | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 81      | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 82      | 403A      | 3    | Bed | Private    | House | ECP               |                     |                    |  |
| 83      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 84      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 85      | 433       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 86      | 433       | 4    | Bed | Private    | House | ECP               |                     |                    |  |
| 87      | 204       | 2    | Bed | Private    | House |                   | ECP                 |                    |  |
| 88      | 204       | 2    | Bed | Private    | House |                   | ECP                 |                    |  |
| 89      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 90      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 91      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 92      | 382       | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 93      | 204       | 2    | Bed | Private    | House |                   | ECP                 |                    |  |
| 94      | 204       | 2    | Bed | Private    | House |                   | ECP                 |                    |  |
| 95      | 341A      | 3    | Bed | Private    | House |                   | ECP                 |                    |  |
| 96      | 51        | 2    | Bed | Affordable | House |                   | ECP                 |                    |  |

Water Lane, Angmering - Schedule of Electric Chaging Points (ECPs)

| Plot No | Unit Type | Type                              |     |            |           | Allocated Parking |                     |     |     |
|---------|-----------|-----------------------------------|-----|------------|-----------|-------------------|---------------------|-----|-----|
|         |           |                                   |     |            |           | Garage            | Driveway (Adjacent) |     |     |
| 97      | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 98      | 55        | 3                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 99      | 55        | 3                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 100     | 51        | 2                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 101     | 52        | 3                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 102     | 52        | 3                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 103     | 54        | 4                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 104     | 54        | 4                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 105     | 341A      | 3                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 106     | 382       | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 107     | 382       | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 108     | 341A      | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 109     | 51        | 2                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 110     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 111     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 112     | 55        | 3                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 113     | 51        | 2                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 114     | 51        | 2                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 115     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 116     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 117     | 51        | 2                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 118     | 52A       | 3                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 119     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 120     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 121     | 51        | 2                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 122     | 55        | 3                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 123     | 52        | 3                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 124     | 52        | 3                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 125     | 54        | 4                                 | Bed | Affordable | House     |                   | ECP                 |     |     |
| 126     | 52A       | 3                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 127     | 341A      | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 128     | 204       | 2                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 129     | 204       | 2                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 130     | 403A      | 3                                 | Bed | Private    | House     | ECP               |                     |     |     |
| 131     | 403A      | 3                                 | Bed | Private    | House     | ECP               |                     |     |     |
| 132     | 331       | 3                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 133     | 331       | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 134     | 442       | 4                                 | Bed | Private    | House     | ECP               |                     |     |     |
| 135     | 382       | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 136     | 382       | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 137     | 382       | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 138     | 382       | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 139     | 341A      | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 140     | 341A      | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 141     | 204       | 2                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 142     | 204       | 2                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 143     | 341A      | 3                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 144     | 382       | 3                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 145     | 204       | 2                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 146     | 204       | 2                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 147     | 382       | 3                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 148     | 382       | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 149     | 341A      | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 150     | 341A      | 3                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 151     | 204       | 2                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 152     | 204       | 2                                 | Bed | Private    | House     |                   |                     | ☒   |     |
| 153     | 204       | 2                                 | Bed | Private    | House     |                   | ECP                 |     |     |
| 154     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 155     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 156     | 58        | 1                                 | Bed | Affordable | Apartment |                   |                     | ☒   |     |
| 157     | 59        | 1                                 | Bed | Affordable | Apartment |                   |                     | ☒   |     |
| 158     | 51        | 2                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 159     | 52A       | 3                                 | Bed | Affordable | House     |                   |                     | ☒   |     |
| 160     | Block A1  | 1                                 | Bed | Affordable | Apartment |                   |                     | ☒   |     |
| 161     | Block A1  | 1                                 | Bed | Affordable | Apartment |                   |                     | ☒   |     |
| 162     | Block A1  | 1                                 | Bed | Affordable | Apartment |                   |                     | ☒   |     |
| 163     | Block A1  | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 164     | Block A1  | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 165     | Block A1  | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 166     | Block A1  | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 167     | Block A2  | 2                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 168     | 58        | 1                                 | Bed | Affordable | Apartment |                   |                     | ☒   |     |
| 169     | 59        | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 170     | 60        | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 171     | 60        | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 172     | 61        | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 173     | 61        | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 174     | 58        | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 175     | 59        | 1                                 | Bed | Affordable | Apartment |                   |                     |     | ECP |
| 175     |           | Total Parking Distribution        |     |            |           | 63                | 61                  | 39  | 12  |
|         |           |                                   |     |            |           | 36%               | 35%                 | 22% | 7%  |
|         |           | Electric Charging (ECP) Provision |     |            |           | 63                | 61                  | 0   | 12  |
|         |           |                                   |     |            |           | 36%               | 35%                 | 0%  | 7%  |

development planning  
infrastructure design  
**transport** HIGHWAYS  
*drainage*  
CIVIL ENGINEERING  
site appraisal  
*flood risk assessment*  
**travel plans**  
masterplanning

ABLEY LETCHFORD PARTNERSHIP LTD  
3 Tealgate • Charnham Park • Hungerford • RG17 0YT  
T: 01488 684 390 E: [contact@alpce.co.uk](mailto:contact@alpce.co.uk) W: [www.alpce.co.uk](http://www.alpce.co.uk)