

Project Title: Water Lane, Angmering

Project No/ Document Reference: A290-R006/E

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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**.

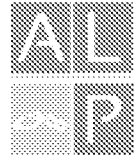
Table 3.1 : Configuration of Parking Provision

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%
TOTAL	175	100%

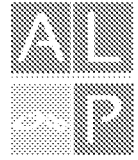
- 3.2. Of the 175 units being delivered, a total of 124 are provided with either a garage (63 no.) or a private driveway which is immediately adjacent to a side wall of the property (61 no.). This equates to 71% of all the properties in the development.
- 3.3. A further 39 dwellings are provided with 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

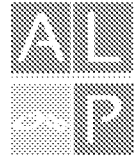
Proposed Development Layout



Client  

Scale	N.T.S. @ A1	Drawn	DGP	Checked	DGP
Date	January 2020	File	P1320 Layout	Drawing Status	
Dwg No.	PLN-1-1105	Rev.	N	PLANNING	

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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)	Allocated Off Plot	Courtyard
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 A2	2	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 A1	1	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

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