



Winterbourne Fields

Parking Strategy

The transport vision for Winterbourne Fields is to create a vibrant, sustainable and landscape led community, based around a network of green streets - maximising green-blue infrastructure opportunities whilst ensuring that car parking does not dominate the streetscape. To help achieve this, a new innovative concept for parking on site has been created. This ensures delivery of the vision whilst providing flexibility in design.

Guiding Principles

- Implement measures to reduce private vehicle use, promoting active travel and public transport use - seeing a reduction in overall car parking numbers on site;
- The use of three residential parking typologies to provide flexibility across the site and reflect street character;
- Access to car club vehicles to encourage residents to reduce car ownership levels;
- Deliver sustainable infrastructure - highest quality walking and cycling infrastructure, and increased provision of EV charging for private and public spaces;
- Flexibility in non-residential parking areas to reflect differing periods of peak use;
- Engender a culture of car-free living by discouraging car ownership through stewardship and sustainable travel options; and,
- Implement a 'Vision & Validate' process supporting the sustainable travel strategy, underpinned by 'Monitor & Manage' across the development.



STANDARD

On-plot parking spaces, the traditional arrangement for housing developments resulting in lower densities, wider streets and larger areas of hard standing



HYBRID

A mixture with some on-plot spaces and others parking in centralised courts - provides more dense layouts and greater opportunities for sustainable infrastructure



CENTRALISED

All residents parking in street facing, centralised areas supported by mobility hubs - provides higher density layouts and greener streets free from parked vehicles

Centralised Parking:

Create opportunities to increase biodiversity net gain with green roofs and walls, insect hotels and bird boxes

Located within 3 minutes walk of homes providing easy access for residents

High-quality design to complement the street scene, mitigating antisocial behaviour

Canopies covering parking spaces create shade and help reduce urban heat island effect on site



Permit-controlled, reserved spaces for residents

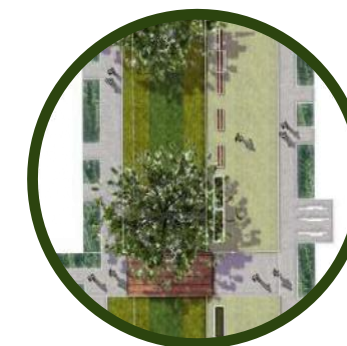
Greywater recycling tanks can be situated under parking structures

Opportunities for community solar PV installations

Benefits:

- Access to residential streets will be limited for drop-off/pick-up, deliveries and emergency vehicles - resulting in narrower carriageways, fewer vehicle movements and reduced visual impact from parking;
- Greener streets and reduced vehicle use will improve air quality, reduce carbon emissions and reduce heat islands on site;
- Parking can be managed more effectively, with visitor parking integrated within central areas - further reducing parking numbers and embedded carbon;
- As demand for parking falls there will be scope to remove spaces and re-green areas;
- Opportunities to use EV batteries for site power management - providing virtual power stations fed by idle EV batteries.

Access to EV charging for all residents and visitors



Narrower carriageways increases space for sustainable infrastructure creating greener streets