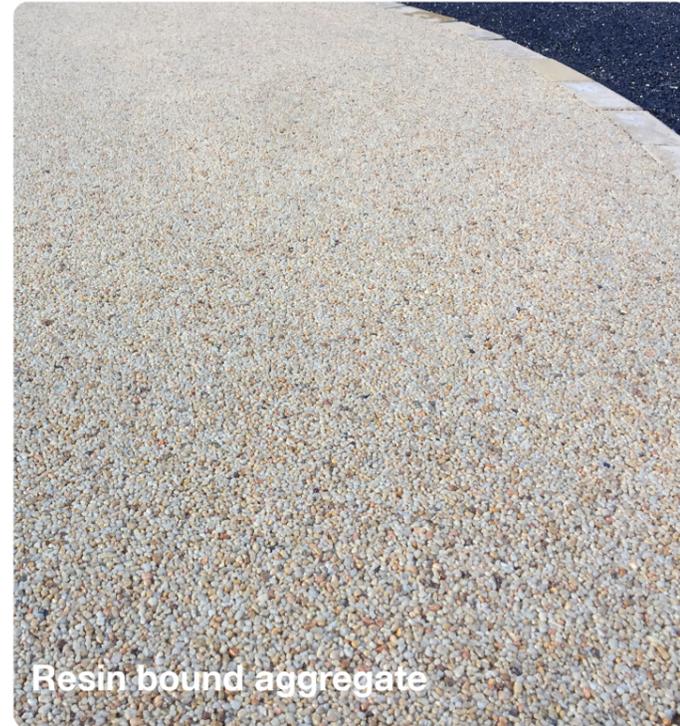
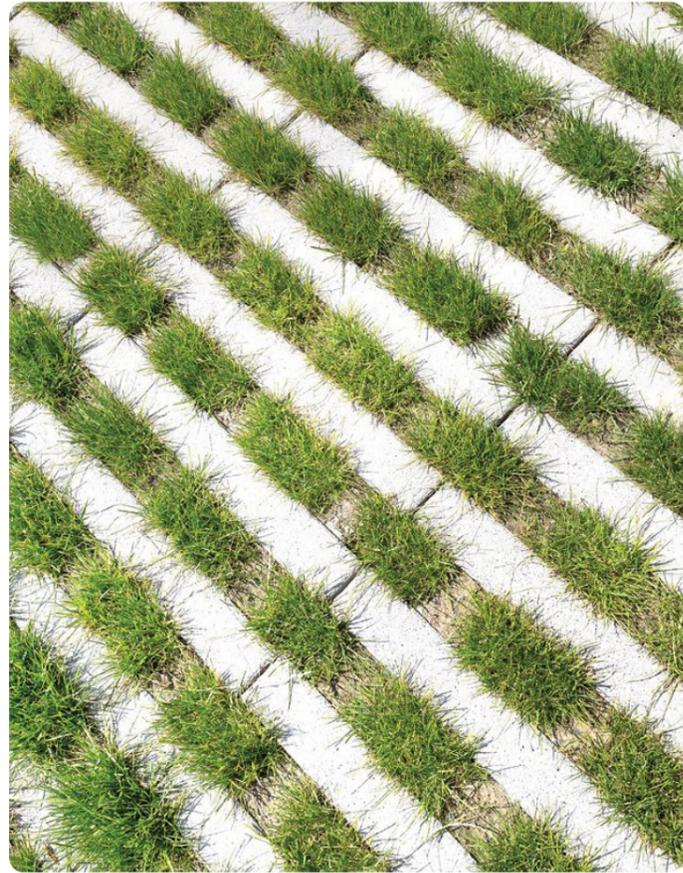


# BICESTER MOTION INNOVATION QUARTER - SPY LANDSCAPE DESIGN STRATEGIES - MATERIALS

Macgregor Smith



# BICESTER MOTION INNOVATION QUARTER - SPY

## LANDSCAPE DESIGN STRATEGIES - FURNITURE & STRUCTURES

Macgregor Smith

Like the materials, the proposed external furniture reflects the industrial aesthetic of the Innovation Quarter brand.

Seating is provided in the form of in-situ seating walls within the yards spaces while flexible spaces are provided for occupiers to populate with flexible furniture as required.

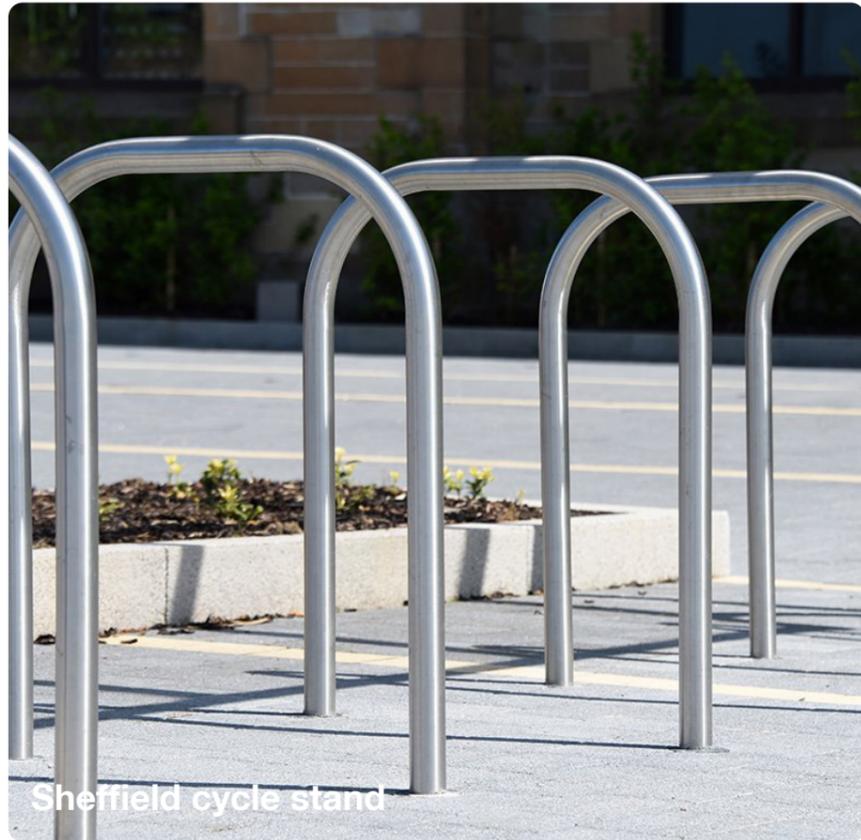


### KEY

-  Concrete Seating Wall
-  Cafe table and chairs
-  Cycle Stands
-  Substation

# BICESTER MOTION INNOVATION QUARTER - SPY LANDSCAPE DESIGN STRATEGIES - FURNITURE & STRUCTURES

Macgregor Smith



Sheffield cycle stand



Cycle shelter



Flexible cafe furniture



In-situ concrete seating wall



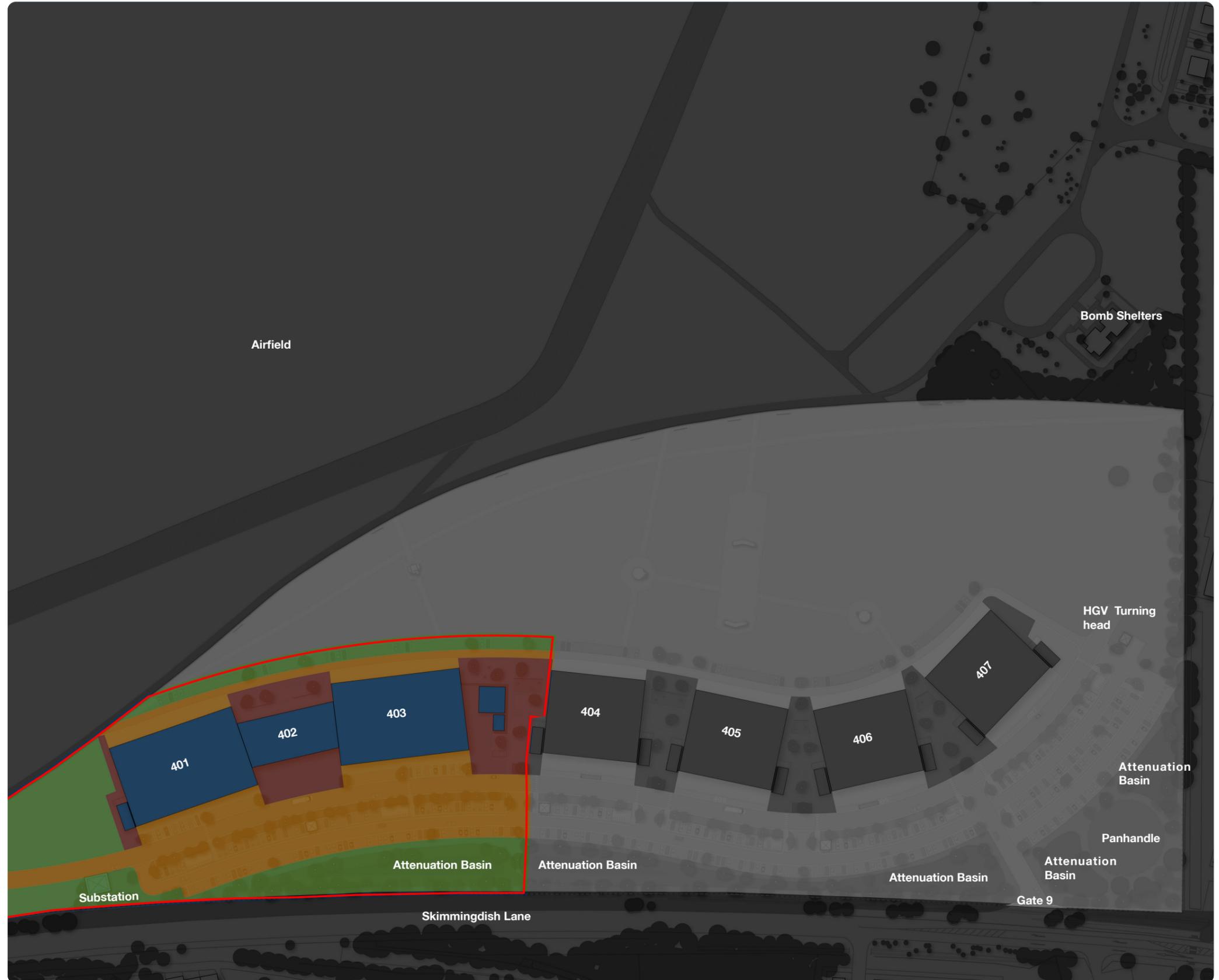
Cast signage / wayfinding

# BICESTER MOTION INNOVATION QUARTER - SPY LANDSCAPE DESIGN STRATEGIES - LIGHTING

Macgregor Smith

The external lighting strategy will comprise a combination of functional lighting to illuminate car parks and services yards with feature lighting to highlight landscape elements within amenity spaces.

External lighting design will respond sensitively to boundaries with habitat areas by minimised light spill and utilising a warm colour range.



## KEY

-  Car Park / Service Yard / Access Road
-  The Yards
-  Habitat Areas

# BICESTER MOTION INNOVATION QUARTER - SPY LANDSCAPE DESIGN STRATEGIES - LIGHTING

Macgregor Smith



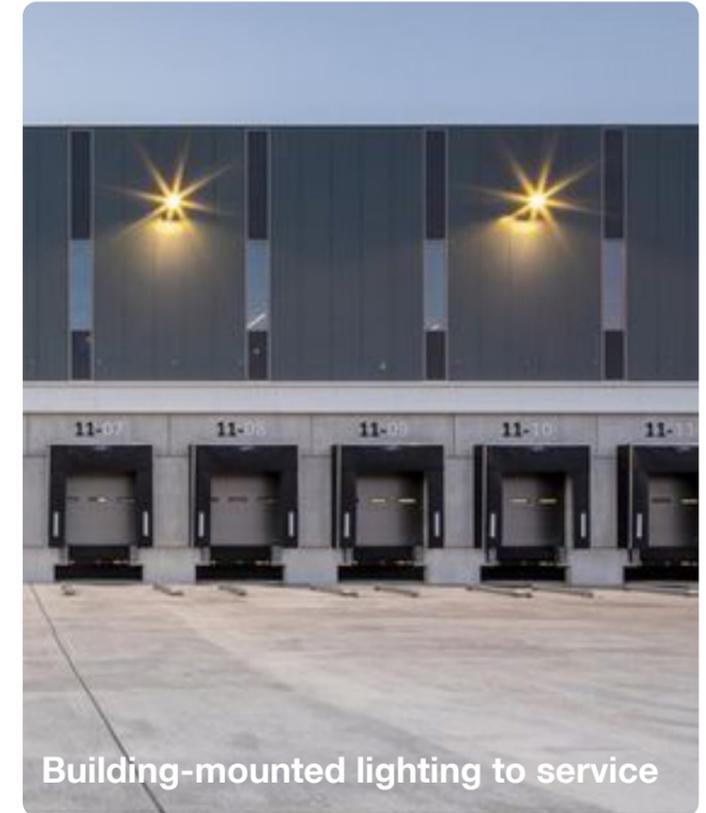
Contemporary column-mounted



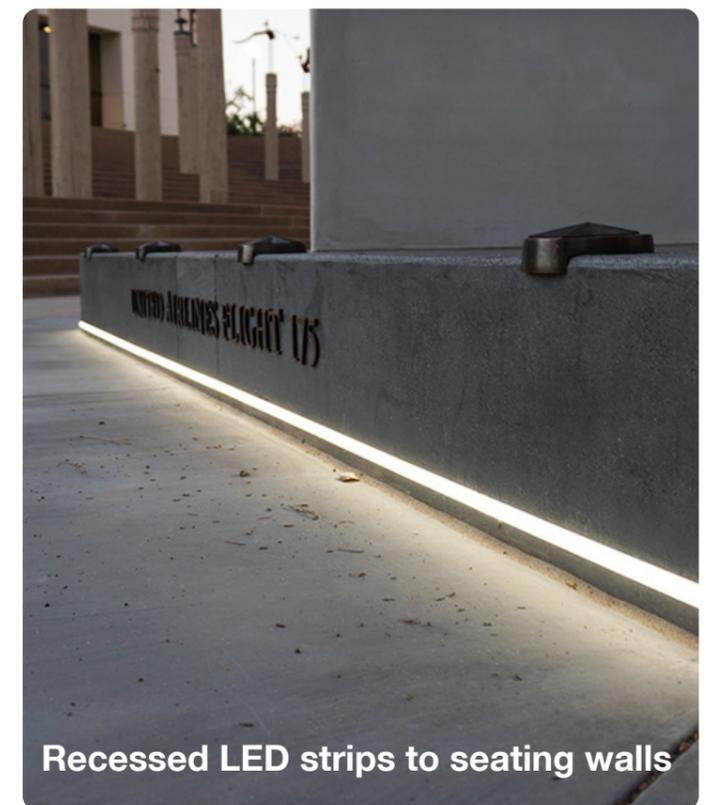
Pole-mounted multi-directional



Feature tree uplighting



Building-mounted lighting to service



Recessed LED strips to seating walls

# BICESTER MOTION INNOVATION QUARTER - SPY LANDSCAPE DESIGN STRATEGIES - PARKING

Macgregor Smith

The car parking strategy has been developed to meet client and planning requirements including appropriate DDA, EV charging parking provision. DDA parking has been located as close to the buildings as possible to provide direct access.

## Car parking

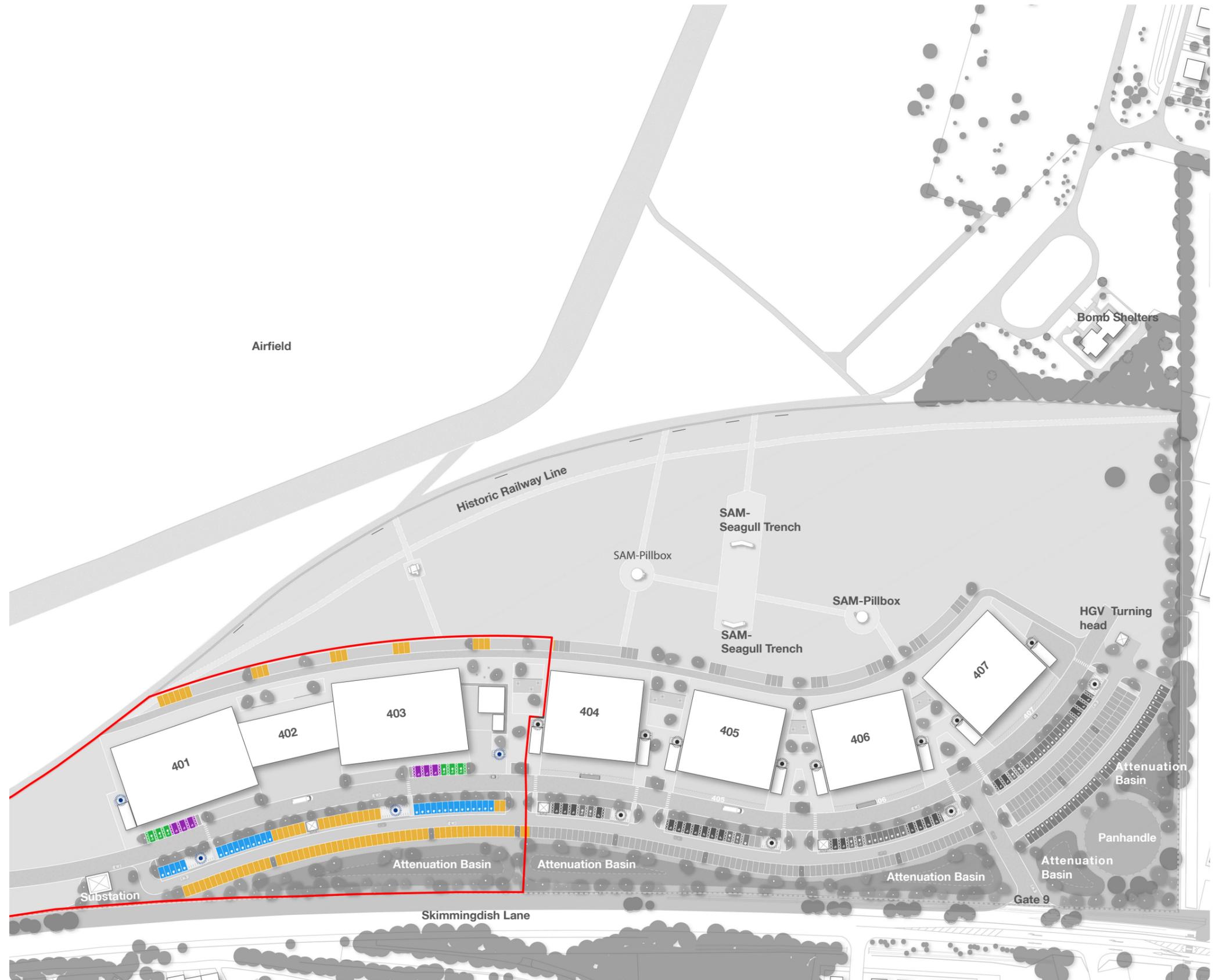
- EV DDA spaces 6 no.
- Standard EV spaces 29 no.
- Standard DDA parking 6 no.
- Standard parking 95 no.

**TOTAL 136 no.**

Cycle parking provision has been provided in accordance with the relevant planning standards and designed in accordance with LTN 1/20. Cycle parking has been located adjacent to buildings or with direct access from the car park. Provision includes Sheffield stands and oversized accessible bays to accommodate larger, non-standard bicycles such as cargo bikes.

## Cycle parking

- Standard spaces 96no.
- Accessible spaces 12no.



## KEY

- EV DDA parking
- DDA parking
- EV car parking
- Standard car parking
- Cycle store

# BICESTER MOTION INNOVATION QUARTER - SPY SUSTAINABILITY STRATEGY

3DReid

## 1. Capturing benefits from site orientation

- Strategic positioning of buildings to ensure maximised north-facing glazing

## 2. Efficient envelope design

- A target has been set for an EPC rating of 90+ (or 10 as per the diagram on the right)

## 3. Excellent air tightness

- A target of maximum 3m3/hr/m2@50Pa has been set

## 4. Good daylighting

- Generous glazing which is strategically positioned to avoid overheating

## 5. Demand driven energy consumption

- Mechanical ventilation and smart heating systems to be installed

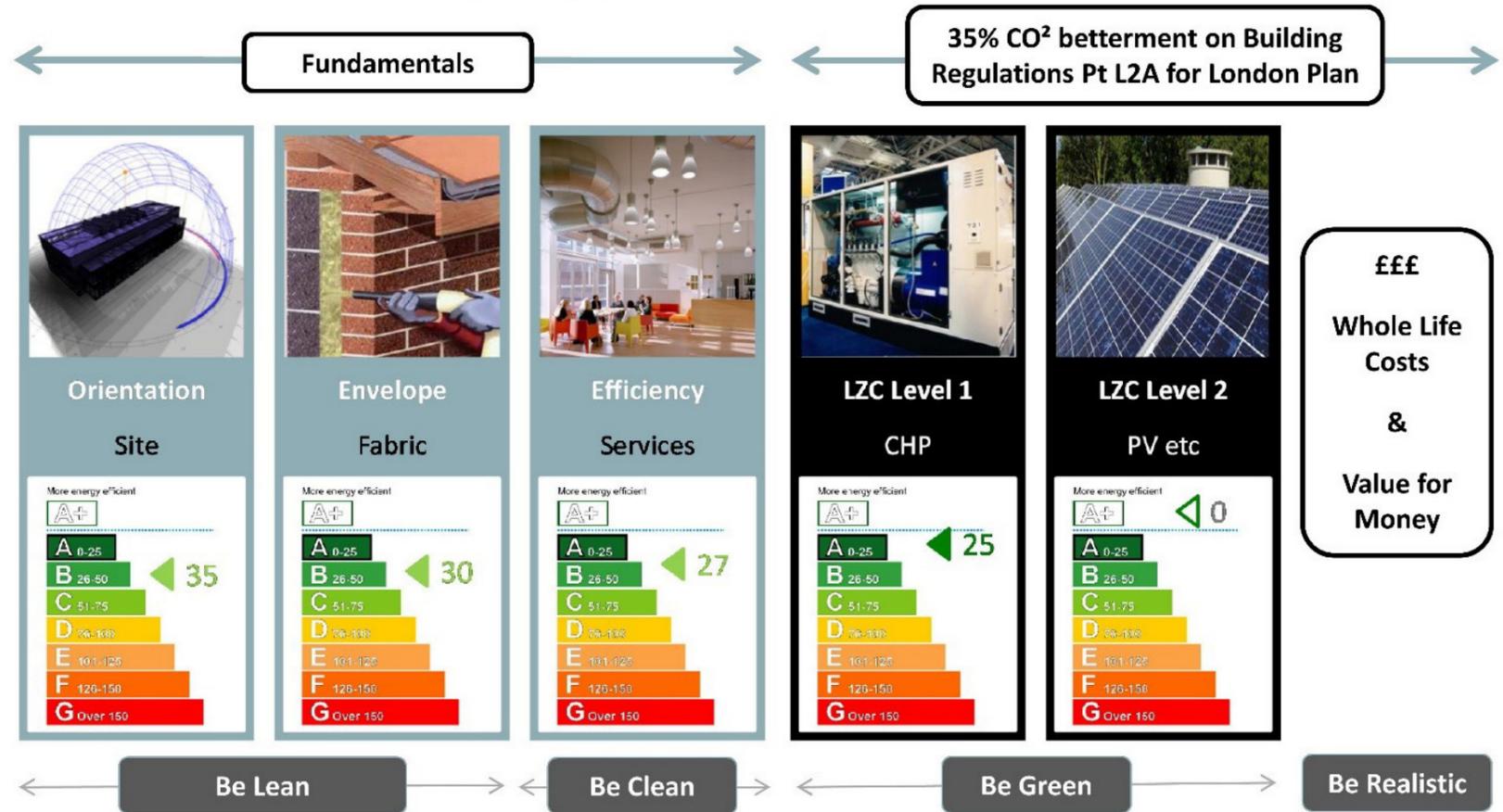
## 6. De-carbonisation through renewable technology

- PV provision on the roofs

## 7. Enhanced biodiversity

- Meadows and green roofs would be provided where possible

Be lean, Be clean, Be green



Energy Hierarchy (GLA London Plan)

BREEAM®

Very Good



On Target for BREEAM Very Good  
Aiming for Excellent Rating



Sustainable Construction



PV Panels

# 07 PROPOSAL SUMMARY

The National Design Guide addresses the question of how we recognize well-designed places by outlining 10 characteristics that need to be considered for a good successful design. They are listed on the right along with our design response. As a team we have aimed to deliver a high-quality design in every aspect. A summary of our key moves include:

- Finding a position that is harmonious with the curve of the existing masterplan
- A design language that is in-keeping with the consented masterplan
- Introducing a link that is complementary to the design of the two main buildings
- The main buildings are designed for flexibility and could be broken into smaller parts for various tenants if desired.

## CONTEXT

The proposal is mindful and respectful to both the *existing and historical context*. It enhances the surroundings through its well-considered design.

The proposal is in-keeping with the identity strategy for the Innovation Quarter. The new buildings are designed to follow the same rhythm in terms of their mass, height and relationship to one another.

## IDENTITY

The built forms have been strategically positioned in a way that still in-keeps the *harmonious curve* that the existing masterplan has.

## BUILT FORM

## MOVEMENT

The movement patterns in and around the buildings have been carefully designed in accordance with the likely routes that both visitors and staff may have to ensure a pleasant and easy access for all.

## NATURE

The proposal is respectful to the existing biodiversity in the area. The landscape strategy considers planting native species that would enhance the ecosystem in the area.

The public spaces in-between the buildings has been designed as a multi-functional space that can be used as a seating area or can be re-arranged for a different use for events

## PUBLIC SPACES

The buildings have a design where all internal layouts can be adapted for use by one or two tenants. The landscape design allows for a variety of uses from a lunch break walk to automotive events.

## USES

## HOMES & BUILDINGS

The buildings have designed to have a relationship between the in & out. The glazed facade provides long views towards the airfield which can be enjoyed both from the inside and outside.

## RESOURCES

There has been a careful consideration in regards to quantities, types, demountability and carbon footprint to materials used. A variety of strategies have been adopted including orientation, increased PV panel provision, etc.

The buildings design has considered the lifespan of the materials and structure, hence, the detailing is accounting for replacements.

## LIFESPAN

SAME HEIGHT as defined in parameter plans

SAME USE as defined in parameter plans

**BOOSTING EMPLOYMENT**  
*opportunities in the area*



attracting  
**NEW BUSINESSES**  
to the area

SAME ALIGNMENT as defined in parameter plans

enhanced **LONG VIEWS** towards the flying field

**Increased PV** panel provision

**Improved parking** strategy



same **ECOLOGY AREA**  
as defined in parameter plans

**Increased AREA** to cater client brief



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