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# WEST CAMBRIDGE



**1: Optimise the quantum of development on the site, supporting the City and Region as a world leader in R&D**



**2: Support the commercialisation of knowledge through entrepreneurship and collaboration with industry**



**3: Create and sustain a high quality place by transforming the physical and social environment for site users and neighbours across the City**



**4: Deliver adaptable and efficient space to support viability and long term value creation**



**5: To deliver sustainable development, proactively investing in the quality of place and integration within the City**

**For**

## **1. The Illustrative Masterplan**

Phased growth

Overall quantum of development

Masterplan Principles

## **2. Transport update**

## **3. Discussion**

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The Illustrative Masterplan





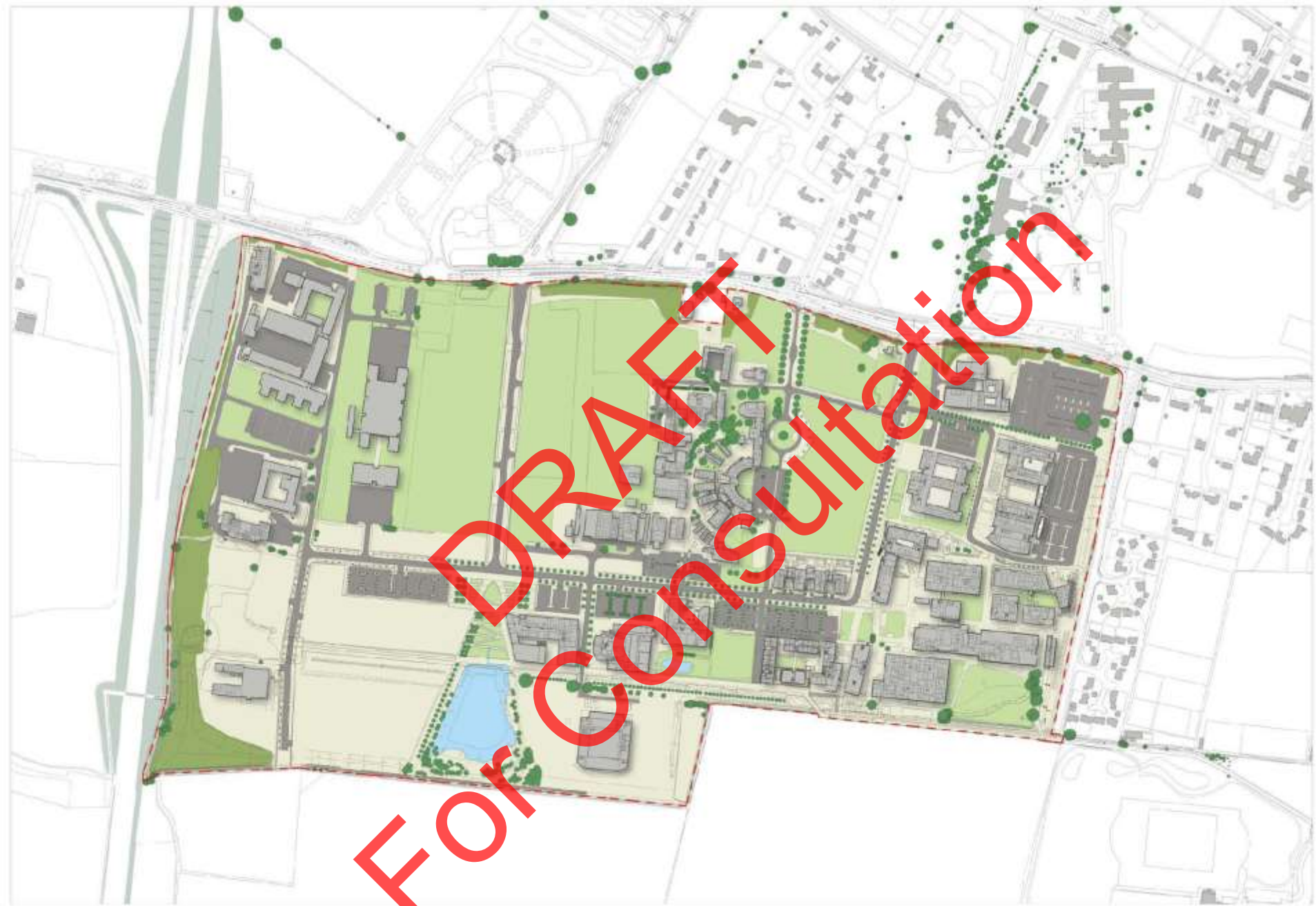
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Illustrative Masterplan





Existing Site









Interim Condition A





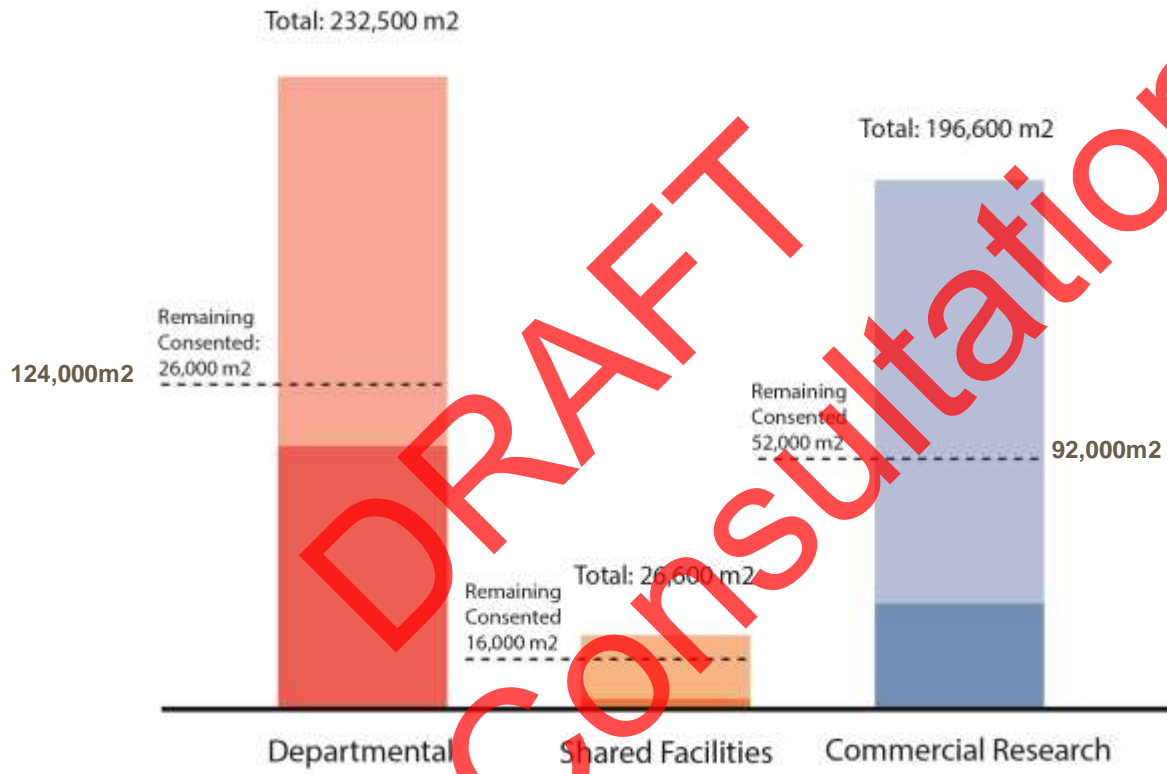
Interim Condition B





Full Capacity





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The Illustrative Masterplan

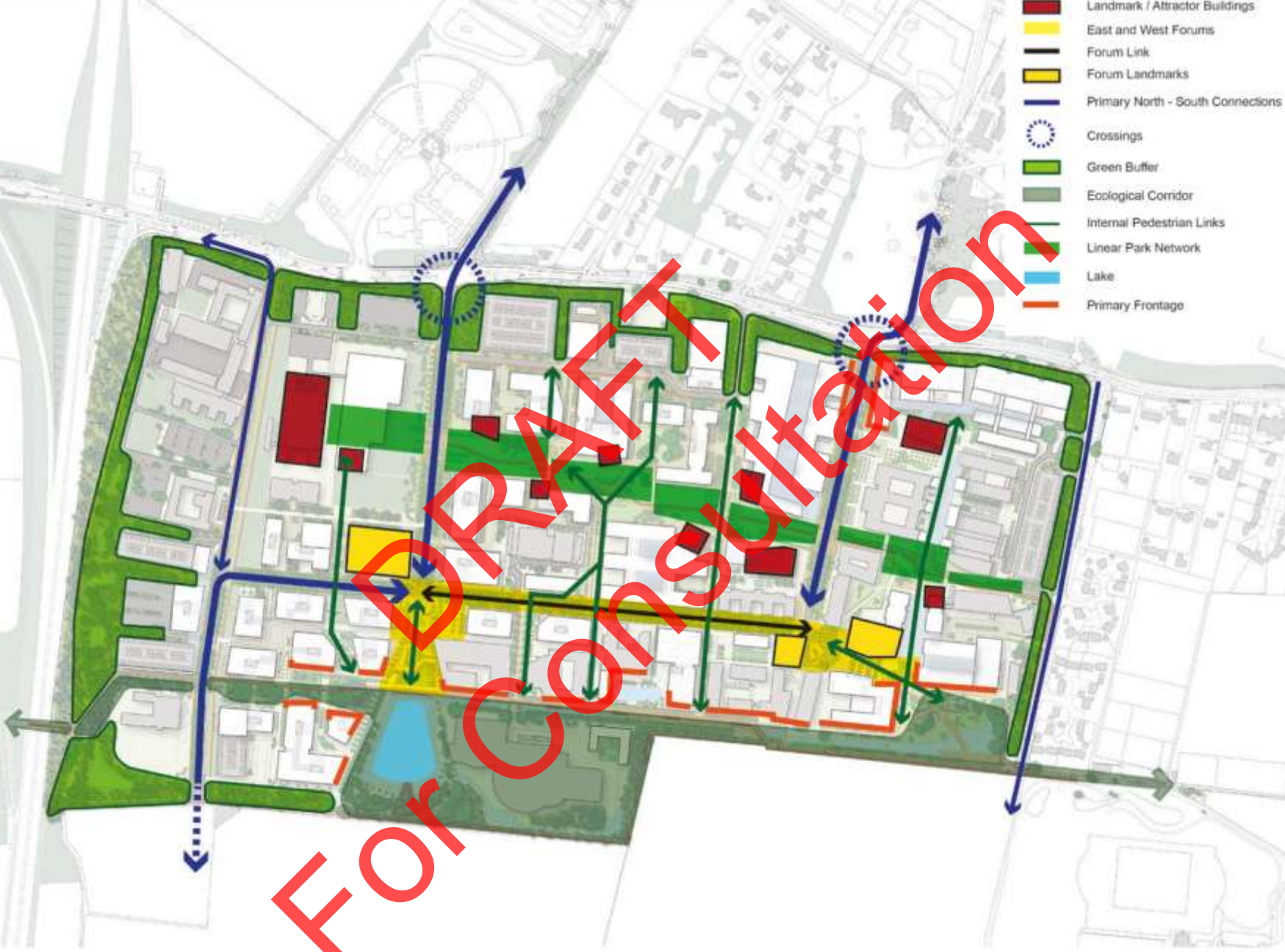


PRECINCTS

- Precinct Boundary
- ▒ Precinct Open Space
- ▒ Site Open Space



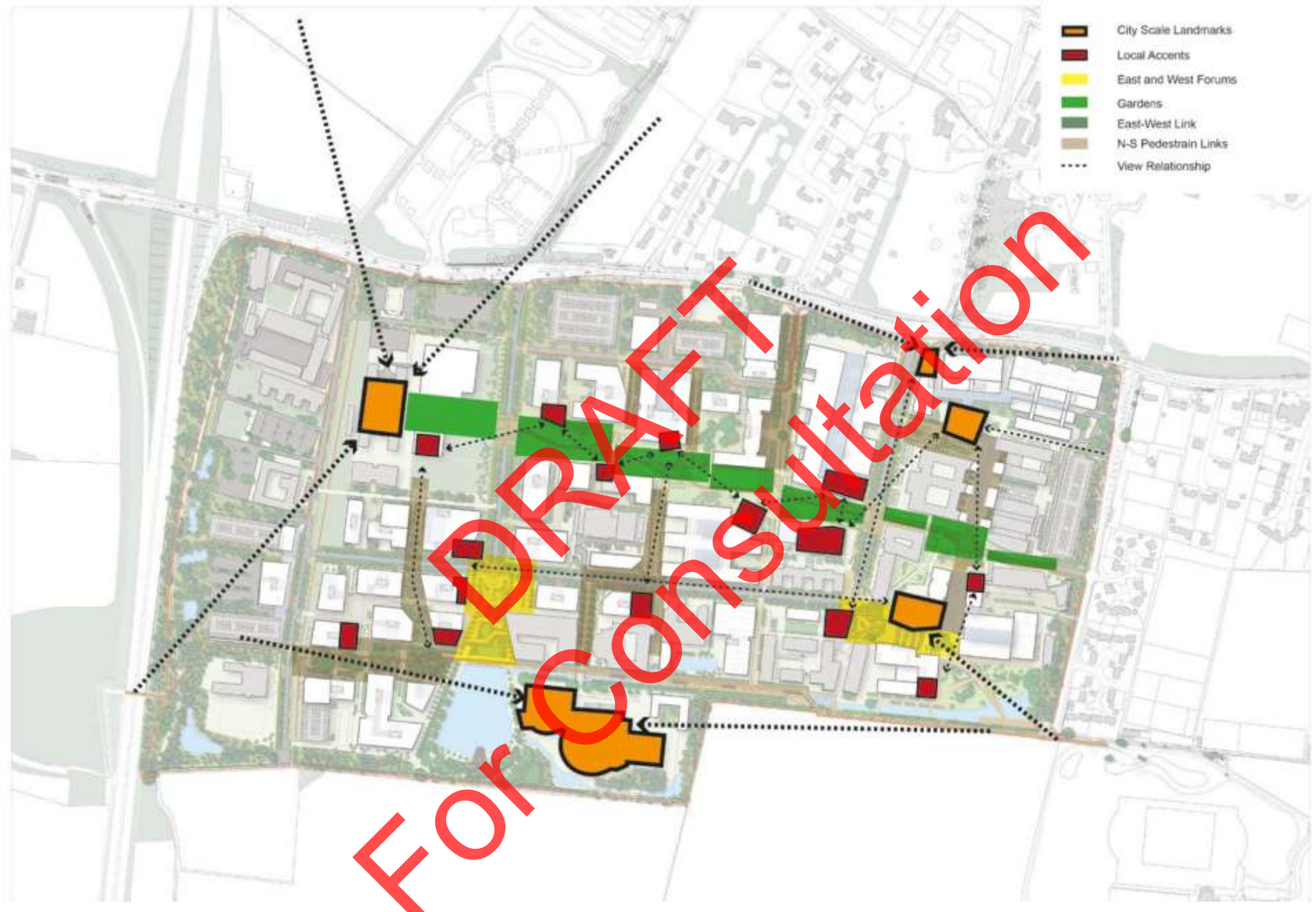
- Landmark / Attractor Buildings
- East and West Forums
- Forum Link
- Forum Landmarks
- Primary North - South Connections
- Crossings
- Green Buffer
- Ecological Corridor
- Internal Pedestrian Links
- Linear Park Network
- Lake
- Primary Frontage



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- City Scale Landmarks
- Local Accents
- East and West Forums
- Gardens
- East-West Link
- N-S Pedestrian Links
- View Relationship



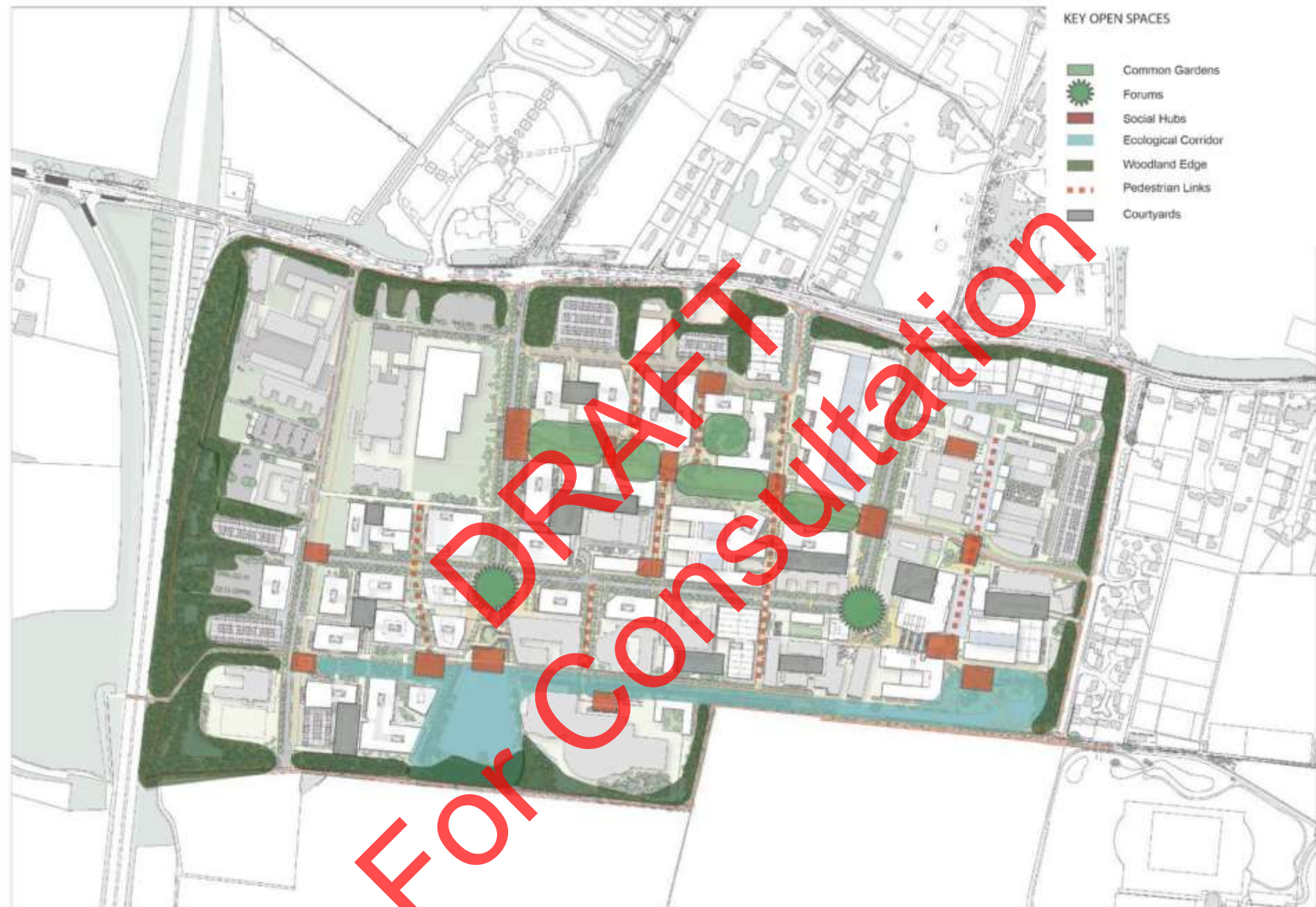


**The Illustrative Masterplan**



KEY OPEN SPACES

- Common Gardens
- Forums
- Social Hubs
- Ecological Corridor
- Woodland Edge
- Pedestrian Links
- Courtyards



DRAINAGE STRATEGY

- Falls
- Ponds
- Ephemeral Ponds
- ⋯ Conveyance Rills
- Roadside Swales
- Swale Network

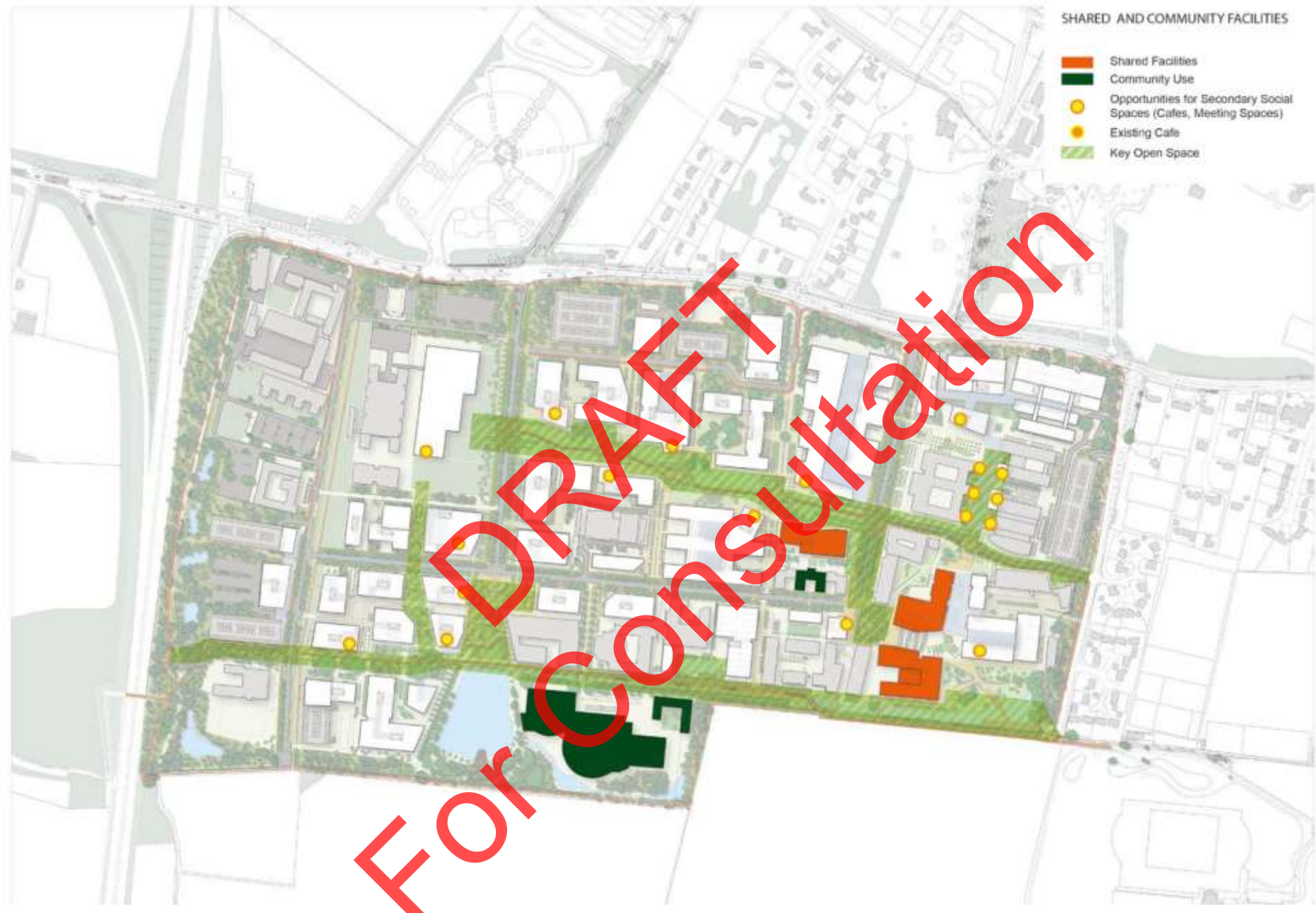


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SHARED AND COMMUNITY FACILITIES

- Shared Facilities
- Community Use
- Opportunities for Secondary Social Spaces (Cafes, Meeting Spaces)
- Existing Cafe
- Key Open Space







# A14 - Update



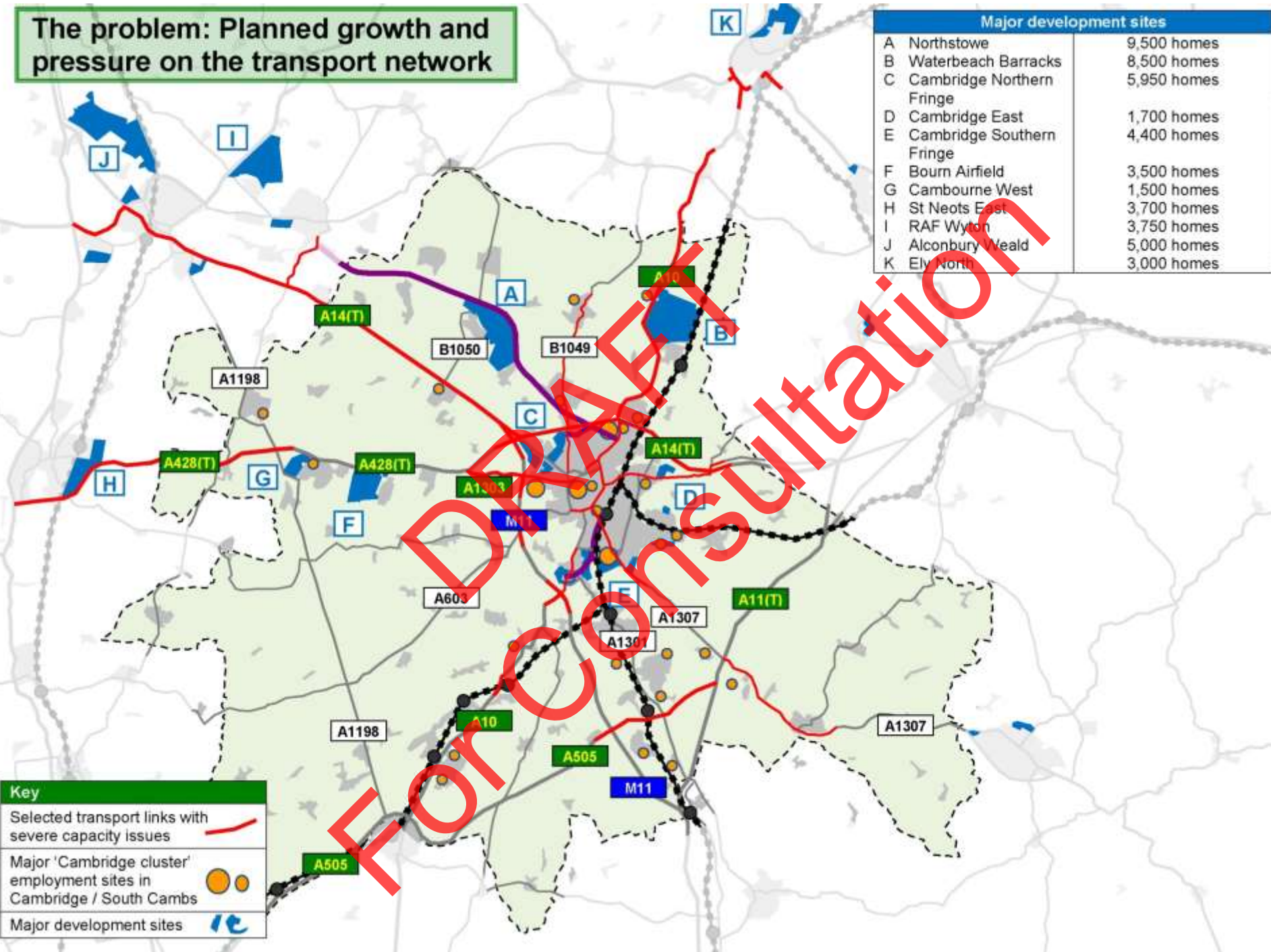
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# The problem: Planned growth and pressure on the transport network

Major development sites		
A	Northstowe	9,500 homes
B	Waterbeach Barracks	8,500 homes
C	Cambridge Northern Fringe	5,950 homes
D	Cambridge East	1,700 homes
E	Cambridge Southern Fringe	4,400 homes
F	Bourn Airfield	3,500 homes
G	Cambourne West	1,500 homes
H	St Neots East	3,700 homes
I	RAF Wylton	3,750 homes
J	Alconbury Weald	5,000 homes
K	Ely North	3,000 homes



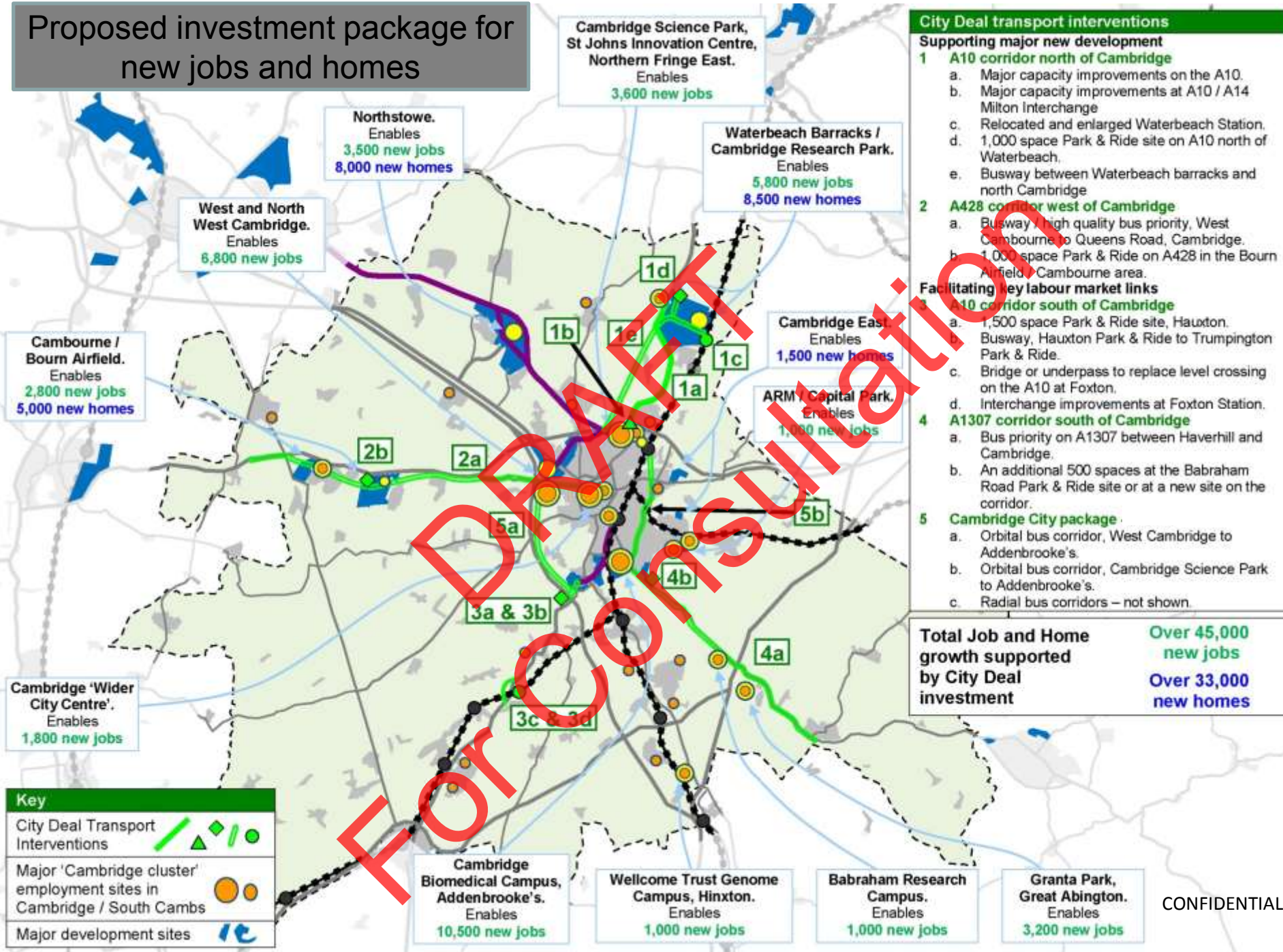
**Key**

- Selected transport links with severe capacity issues
- Major 'Cambridge cluster' employment sites in Cambridge / South Cambs
- Major development sites

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# Proposed investment package for new jobs and homes



- City Deal transport interventions**
- Supporting major new development**
- A10 corridor north of Cambridge**
    - Major capacity improvements on the A10.
    - Major capacity improvements at A10 / A14 Milton Interchange
    - Relocated and enlarged Waterbeach Station.
    - 1,000 space Park & Ride site on A10 north of Waterbeach.
    - Busway between Waterbeach barracks and north Cambridge
  - A428 corridor west of Cambridge**
    - Busway / high quality bus priority, West Camboorne to Queens Road, Cambridge.
    - 1,000 space Park & Ride on A428 in the Bourn Airfield / Camboorne area.
- Facilitating key labour market links**
- A10 corridor south of Cambridge**
    - 1,500 space Park & Ride site, Hauxton.
    - Busway, Hauxton Park & Ride to Trumpington Park & Ride.
    - Bridge or underpass to replace level crossing on the A10 at Foxton.
    - Interchange improvements at Foxton Station.
  - A1307 corridor south of Cambridge**
    - Bus priority on A1307 between Haverhill and Cambridge.
    - An additional 500 spaces at the Babraham Road Park & Ride site or at a new site on the corridor.
  - Cambridge City package**
    - Orbital bus corridor, West Cambridge to Addenbrooke's.
    - Orbital bus corridor, Cambridge Science Park to Addenbrooke's.
    - Radial bus corridors – not shown.

**Total Job and Home growth supported by City Deal investment**

**Over 45,000 new jobs**

**Over 33,000 new homes**

**Key**

- City Deal Transport Interventions
- Major 'Cambridge cluster' employment sites in Cambridge / South Cams
- Major development sites

**Cambridge Science Park, St Johns Innovation Centre, Northern Fringe East.**  
Enables **3,600 new jobs**

**Northstowe.**  
Enables **3,500 new jobs**  
**8,000 new homes**

**Waterbeach Barracks / Cambridge Research Park.**  
Enables **5,800 new jobs**  
**8,500 new homes**

**Cambridge East.**  
Enables **1,500 new homes**

**ARMY Capital Park.**  
Enables **1,000 new jobs**

**Cambridge 'Wider City Centre'.**  
Enables **1,800 new jobs**

**Camboorne / Bourn Airfield.**  
Enables **2,800 new jobs**  
**5,000 new homes**

**West and North West Cambridge.**  
Enables **6,800 new jobs**

**Cambridge Biomedical Campus, Addenbrooke's.**  
Enables **10,500 new jobs**

**Wellcome Trust Genome Campus, Hinxton.**  
Enables **1,000 new jobs**

**Babraham Research Campus.**  
Enables **1,000 new jobs**

**Granta Park, Great Abington.**  
Enables **3,200 new jobs**

# City Deal Summary

A £180m package has been prioritised, including:

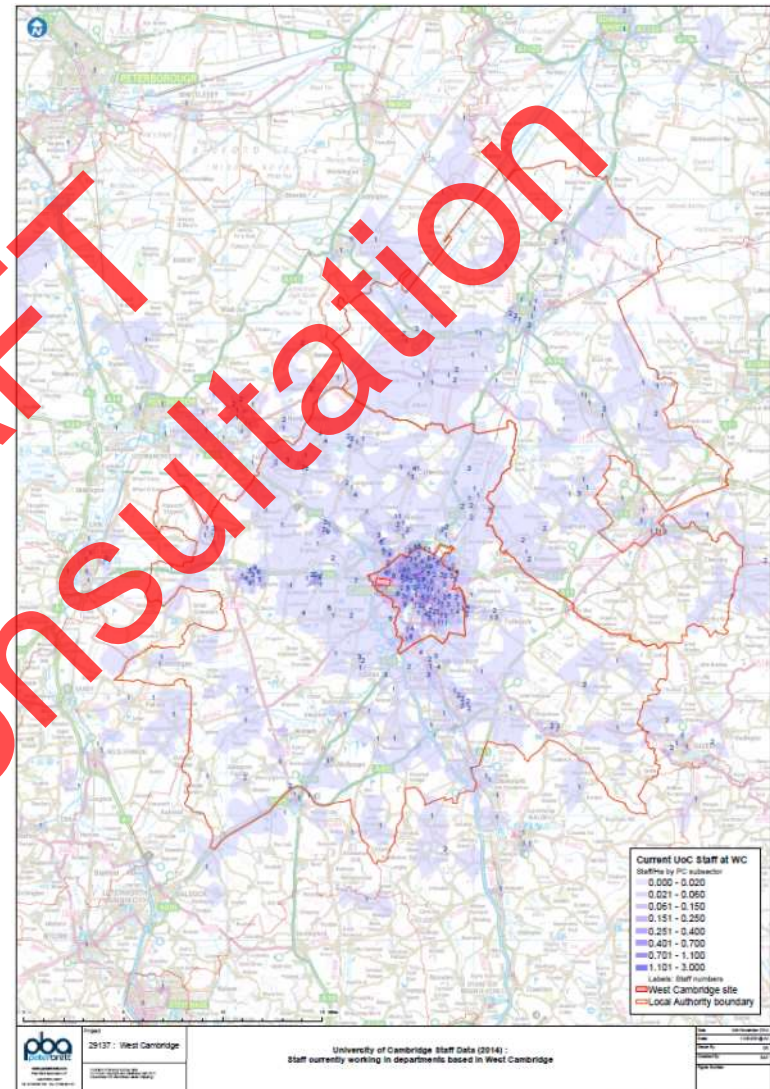
- Milton Road bus priority - £23m
- **Madingley Road bus priority - £34.6m**
- Histon Road bus priority - £4.3m
- **A428 / M11 segregated bus route and A428 P&R - £24.5m**
- **City centre cycling improvements including Hills Rd - £22.7m**
- A1307 bus priority and A1307 park and ride - £39m
- Chisholm Trail - £8.4m
  
- Year 1 to 5 reserve scheme development - £10.6m
- Year 6 to 10 programme development - £9m
- Programme management / early scheme development - £4.5m

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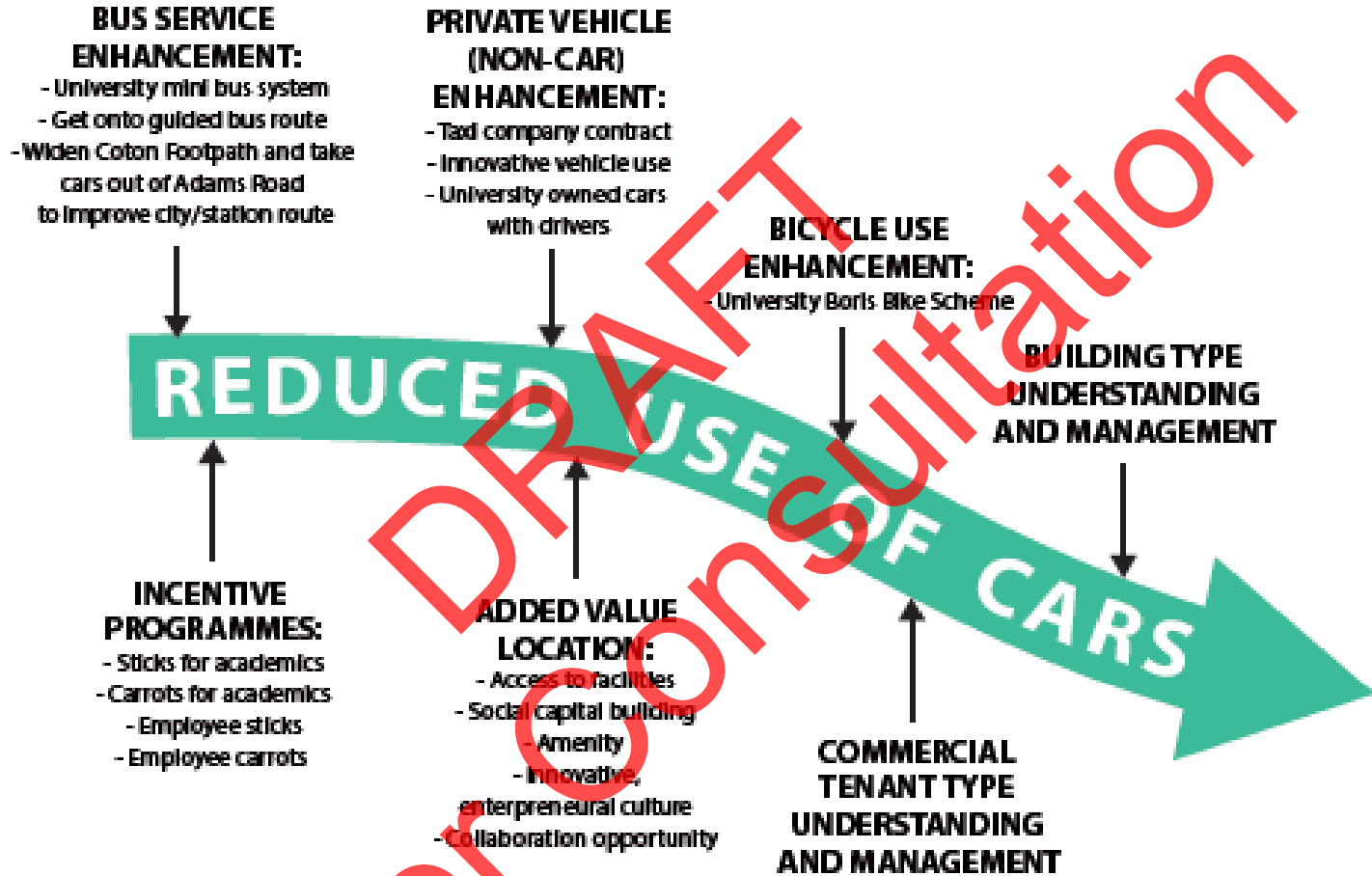




# Post Code Analysis – City v Area



# Car parking provision



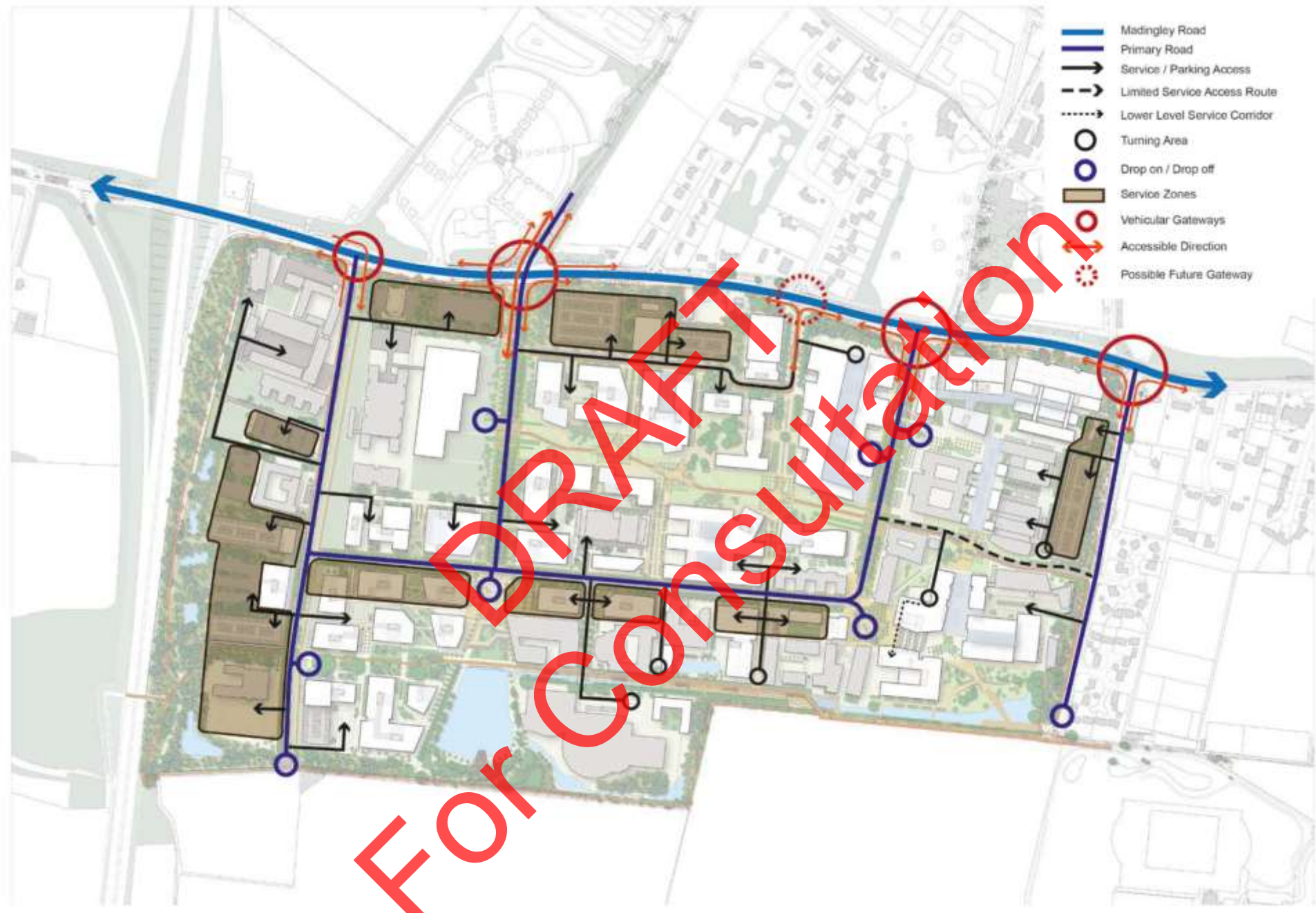


# Car parking provision

Land Use		Parking provision
Academic Research		<ul style="list-style-type: none"> <li>- 1 spaces for every 4 staff</li> <li>- No parking provision for Students</li> </ul>
Commercial Research	Initial Phase of Development	1 space per 60m <sup>2</sup> GFA
	Later Phase of Development	1 space per 70m <sup>2</sup> GFA

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# Public Transport

Links to be considered include to:

- both Cambridge and Chesterton Stations;
- the City Centre;
- the University / NHS sites in South Cambridge;
- various residential and employment sites around northern Cambridge - including North West Cambridge, the NIAB site and the Cambridge Science Park;
- residential areas along the A14 corridor;
- reflecting City Deal - residential areas on the A428 corridor, and existing and future P&R sites.

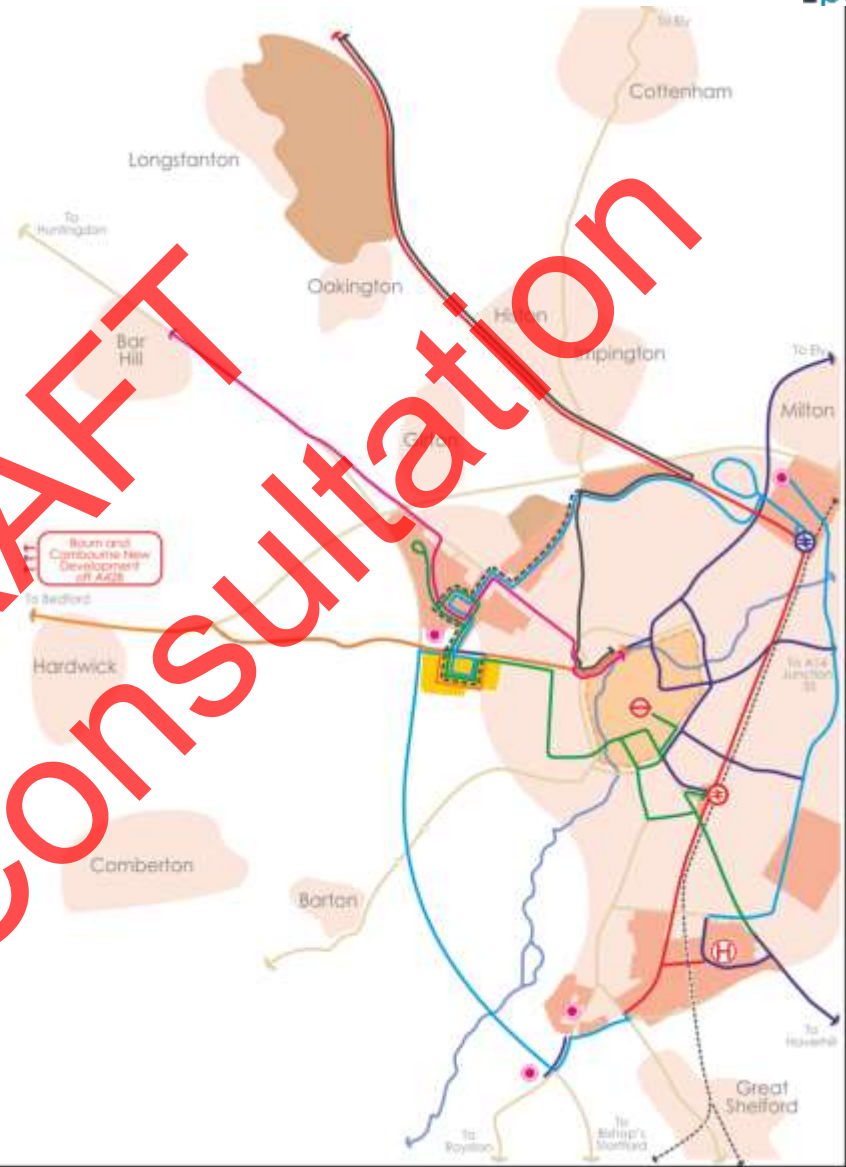


# Outline West Cambridge Public Transport Strategy

## West Cambridge DRAFT Public Transport Strategy Long Term

**Key:**

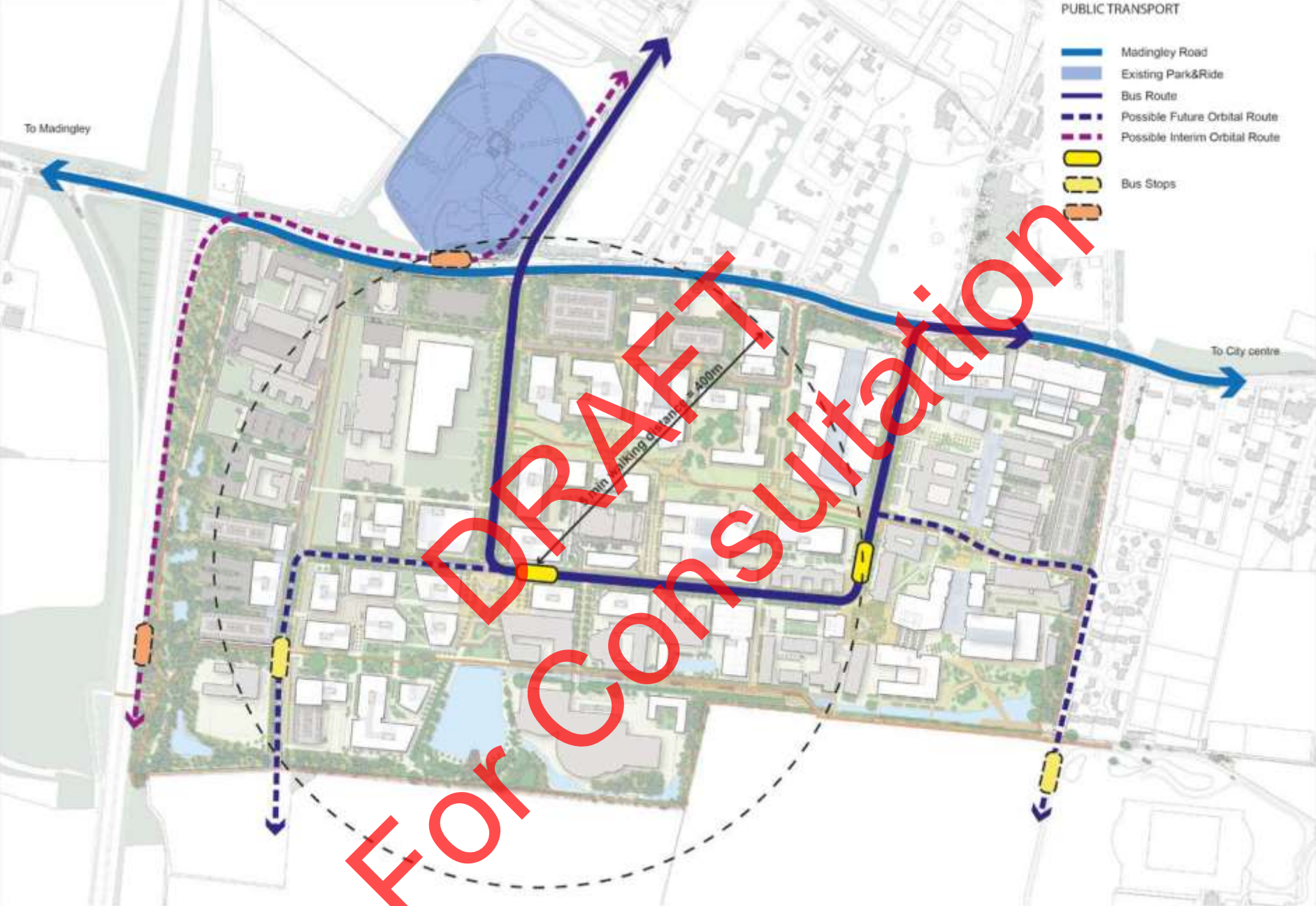
-  Key Highway Network
-  Railway
-  Railway Station
-  Addenbrooke's Hospital
-  Built Up Area
-  Town Centre
-  Waterways
-  New and Future Developments
-  Future Aspirational Developments
-  West Cambridge Development
-  Cambridge Guided Bus Service A
-  Cambridge Guided Bus Service B
-  Cambridge Guided Bus Service B1
-  Future Uni 4 Service
-  Enhanced Citi 4 Service
-  Citi 5 Service
-  Other Bus Routes to the City
-  Orbital Bus Routes
-  Transport Hubs





PUBLIC TRANSPORT

- Madingley Road
- Existing Park&Ride
- Bus Route
- - - Possible Future Orbital Route
- - - Possible Interim Orbital Route
- Bus Stops
- Bus Stops



# Pedestrian and Cycle Strategy

Aspirations are:

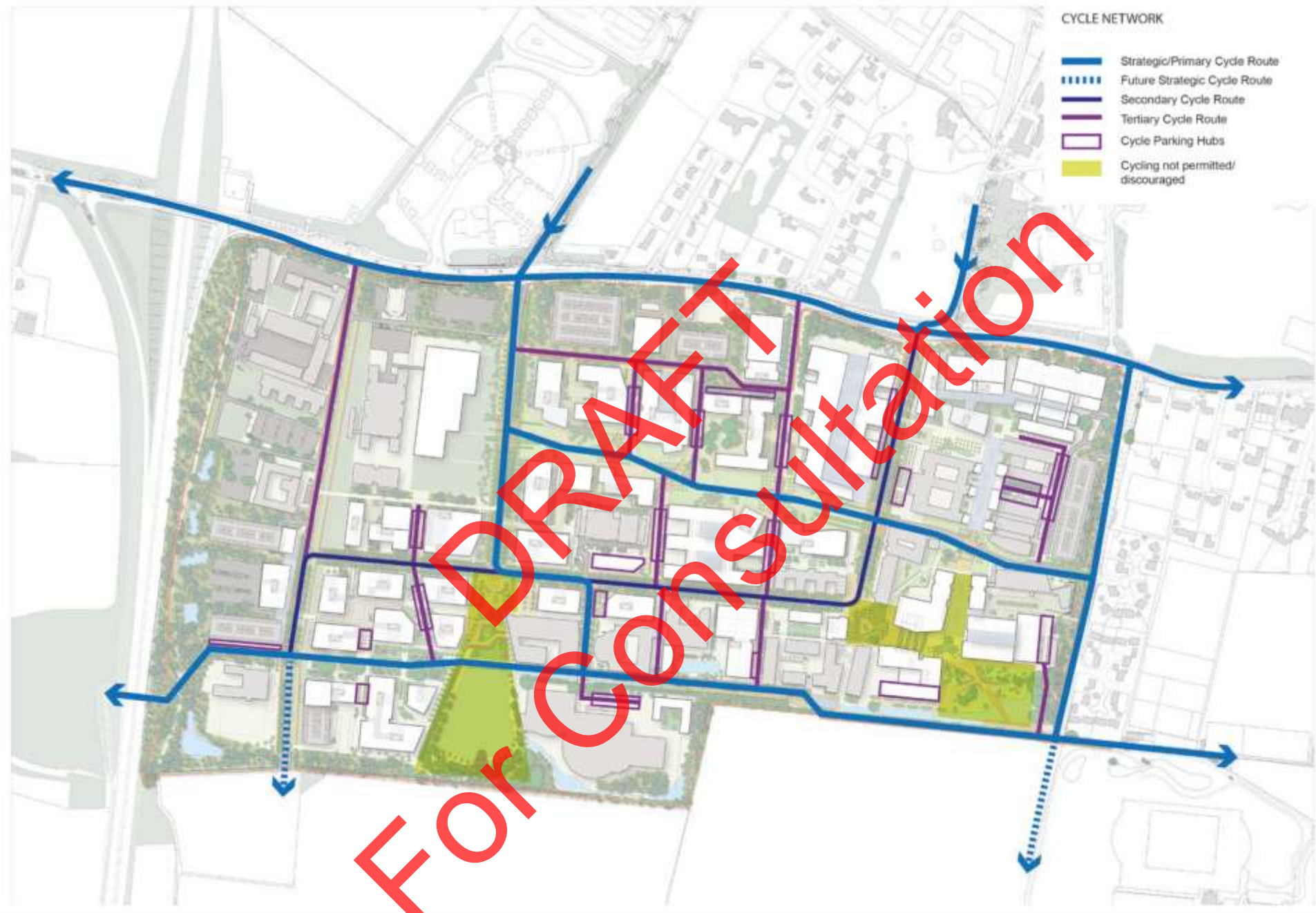
- to provide full permeability throughout the Development;
- to provide connectivity between the Development and the surrounding area; and
- in conjunction with other local developments, to enhance existing connectivity between surrounding areas.
- consider ped/cycle bridge





CYCLE NETWORK

- Strategic/Primary Cycle Route
- Future Strategic Cycle Route
- Secondary Cycle Route
- Tertiary Cycle Route
- Cycle Parking Hubs
- Cycling not permitted/discouraged



# Pedestrian and Cycle Strategy

## Off-site enhancements to include to:

- the current Coton footpath route - to enhance the quality and connectivity, and improve capacity to both the west and the east;
- to the north, to improve connectivity towards North West Cambridge and Girton;
- to the south – towards Barton Road and the Rifle Range Road connection.





# Travel Demand Management

Aspirations are to:

- **reduce reliance on the private car;**
- **improve permeability - promoting walking, cycling and public transport use;**
- **provide lower levels of parking;**
- **promote the use of car sharing where appropriate;**
- **reduce costly road traffic congestion; and**
- **encourage involvement in travel behaviour change initiatives.**



# Travel Demand Management

## Delivered by:

- **providing a Development Transport Coordinator;**
- **supported by Sustainable Travel Behaviour Champions and individual development Travel Plan Coordinator**
- **establishing the Transport Stakeholders' Group; and**
- **providing a fund for the implementation, management, monitoring and review of the FTP**







The Illustrative Masterplan





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