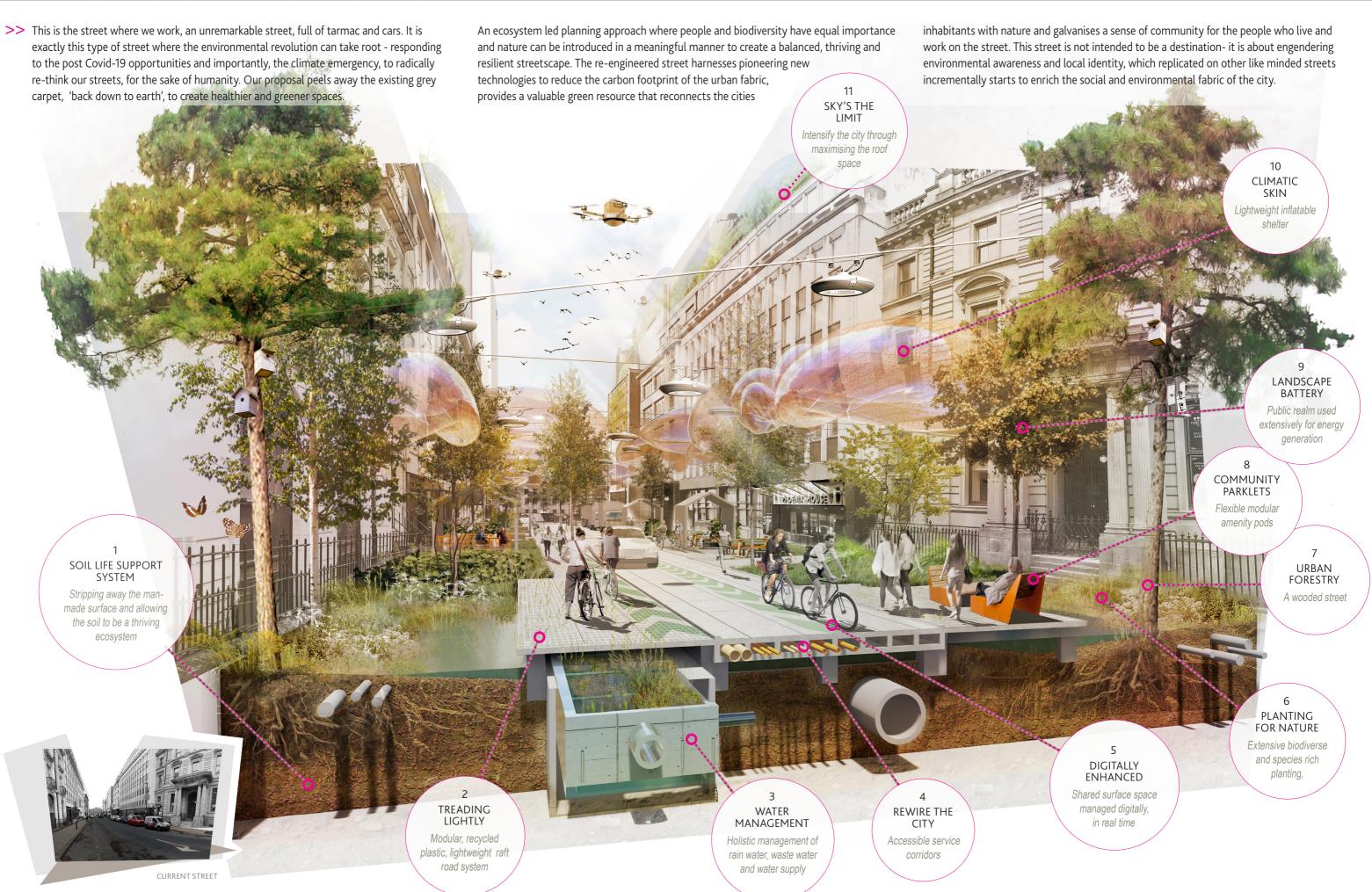
# Back down to earth



## Back down to earth

#### >> Key Themes





















CONCEPT SKETCH

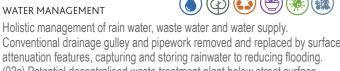
## >> Design Interventions





WATER MANAGEMENT





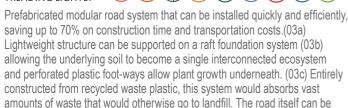
Conventional drainage gulley and pipework removed and replaced by surface attenuation features, capturing and storing rainwater to reducing flooding. (02a) Potential decentralised waste treatment plant below street surface, reduces demand on stressed sewer infrastructure, and providing opportunities for grey water recycling and supply of a nutrient rich resource for roof top urban agriculture. (02b)











recycled and reused promoting a more adaptable approach to our urban road network. [Plasticroad.com.eu]









Hollow modular road cross section creates accessible and maintainable compartments for routing utilities, and allowing for the development of rapid district heating systems and ultra fast fibre networks across the city, or voids for storm water attenuation. (04a) Existing services could be relocated to reduce future maintenance issues, or simply left insitu. (04b)

DIGITALLY ENHANCED

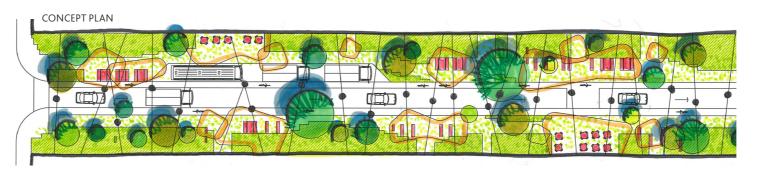
**REWIRING THE CITY** 

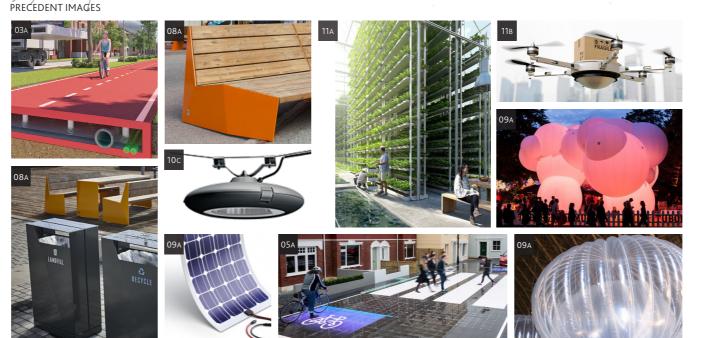






Street surface embedded with LED arrays controlled by a central monitoring system that provides information to users in real time. [Umbrellium: Starling UK] (05a) - This allows the shared surface space to be completely adaptable and flexible with digital demarcations marking out cycle lanes and pedestrian crossings where, and when they are required, to promote pedestrian priority and safety. Marking also used to guide autonomous vehicles. A centralised servicing lay-by is regulated digitally, allocating time slots to create more efficient usage and reducing the amount of space required. Linked to a wider city network, service vehicles journeys managed to actively reduce travel time and distances. (05b) Conventional signage is embedded with road surfacing digitally or suspended from catenary wires to reduce street clutter. (05c)





#### PLANTING FOR NATURE







Extensive swathes of biodiverse and species rich planting. greening up the street and reconnecting people with nature

species planting to promote biodiversity (07a)

outdoor screens and digital connectivity. (08b)

#### URBAN FORESTRY







Trees planted where ever practically possible as part of the city wide urban forestry initiative, filtering the air, absorbing carbon, reduce heat stress and improving micro climate. Range of tree

#### COMMUNITY PARKLETS









Flexible modular furniture system creates adaptable public realm for seating, meetings, socialising, dining out. Extensive seating provision to encourage dwell time and interaction using VESTRE BLOC FURNITURE RANGE.(08a) Opportunities for pop up Kiosks for local businesses, meeting pods, advertisement, and

#### CLIMATIC SKIN







Inflatable canopies provides flexible, lightweight, low carbon shelters blurring the boundaries between indoor and outdoor area, to create an all weather environment, for communal activity- maximising the public realm potential and allowing adjacent businesses to effectively increase their usable gross floor area. Constructed of recycled plastic or textile fibres these 'translucent clouds' provide shelter without creating shade and can be suspended from catenary wires. Combined with lighting and digital projection they glow at night to create ambient light and atmosphere. (09a) [Inflatable architecture]

## LANDSCAPE BATTERY

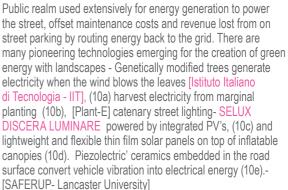












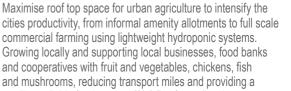












and cooperatives with fruit and vegetables, chickens, fish and mushrooms, reducing transport miles and providing a readily available food source. (11a) Rooftop utilised to create drone docking stations/smart mail boxes to accommodate increased demand for online deliveries, reducing volume and carbon footprint of conventional service vehicular traffic; (11b) [Vertiports] and utilised for renewable energy sources such as PV's and air source heat pumps. (11c)