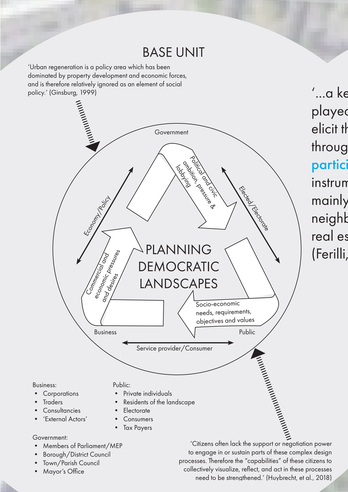
# NORTHAMPTON GREEN VEINING

## RESTORING DEGRADED URBAN ECOSYSTEMS THROUGH GREEN VEINING

The design for Northampton Town Centre should incorporate related theories regarding restimulating town centres for future commercial prosperity. It is preferred that the town centre becomes a national leader in biophilic urban centre design, the work should use ecosystem restoration to create a 'greener' and more sustainable town centre.




'...a key role for **social efficacy** is played by projects' capacity to elicit the commitment of residents through **inclusive cultural participation**, as opposed to instrumental top-down initiatives mainly addressing city and neighbourhood branding and real estate marketing purposes. (Ferilli, et al., 2016)

'Perhaps due to the loss of confidence in major institutions, a distinctly more **people-based approach** to regeneration has been developing. Genuinely community-led, it seeks to address physical, social and economic change, inequality and general wellbeing.' (Sim, 2015)

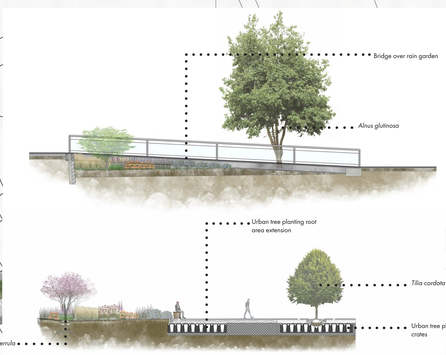
"Cities are becoming worse for their human inhabitants, who benefit from **contact with nature**, and losing out on the vital ecosystem services that urban greenery provides." (Moxon, 2019)

"Reducing this disease burden may be aided by the ecological restoration of microbiota and their habitat in urban green spaces—a process termed microbiome rewilding. Microbiome rewilding could serve as a mechanism to increase **urban exposure to biodiversity**" (Mills, 2020)

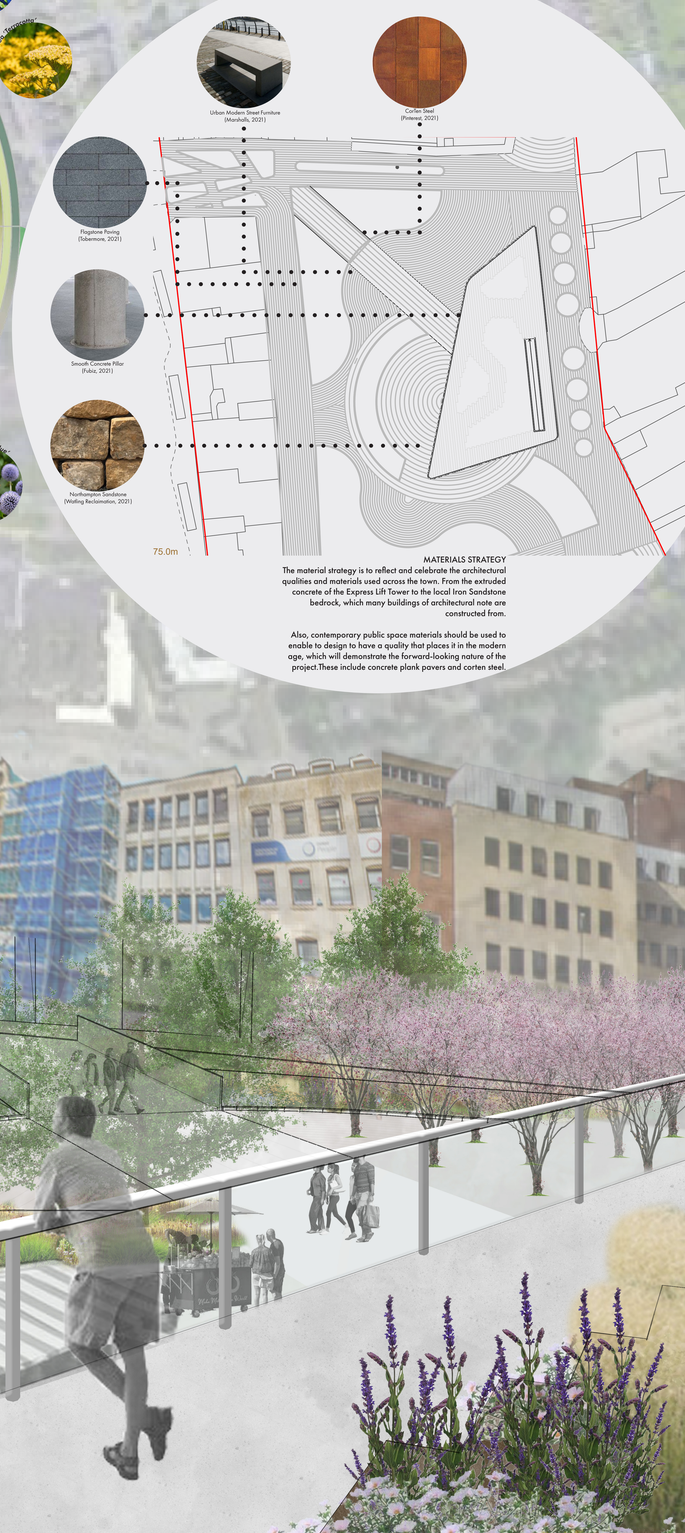
# DESIGN STRATEGIES

REGREEN the town centre with GREEN INFRASTRUCTURE
Create a 'WALKING TOWN' with key pedestrian links
Develop a NETWORK of URBAN GREEN VEINS to reduce CO2, urban heat & habitat fragmentation
INCREASE TREE COVERAGE across the site
Target POLLINATING INSECT population increases
Use ECOSYSTEM SERVICES to give value to the local community

# DETAIL AREA




# DESIGNED STREET TYPOLOGIES




MATERIALS STRATEGY

The material strategy is to reflect and celebrate the architectural qualities and materials used across the town. From the extruded concrete of the Express Lift Tower to the local Iron Sandstone bedrock, which many buildings of architectural note are constructed from.

Also, contemporary public space materials should be used to enable to design to have a quality that places it in the modern age, which will demonstrate the forward-looking nature of the project.These include concrete plank pavers and corten steel.

# SECTIONS

# VISUAL A

# VISUAL B