









Liverpool's Renaturing Urbanisation

- 1. Soft ground tree planting
- 2. Hard landscape tree planting
- 3. Urban carbon sinks



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 730426





Trees in Soft Ground



Housing organisations

Amenity spaces

Infill in verges

Work was delivered in-house and in partnership.

Multiple benefits including:

carbon storage, oxygen production, air quality, habitat, flooding, cooling/shading, sense of place, wellbeing and mental health, reduced need for mowing etc.



Trees in Soft Ground City Parks





Mixed Orchard

City Park

Work was delivered in-house.

Additional benefits included:

Provision of free fruit, places for outdoor learning, engagement with Friends of Parks Groups



Trees in Hard Landscapes Major Highways Schemes SuDs





Delivered by contractors.

20 Tree Sustainable Urban Drainage (SuDs) Expected benefits:

- Reduce final discharge volume
- Improve discharge water quality
- Slow the flow
- Add shade/cooling/biodiversity
- Demonstrator NBS legacy
- 580m² permeable paved area



Echo newspaper

URBAN UP

Trees in Hard Landscapes Major Highways Schemes



Filter trees with 82m² permeable paved area

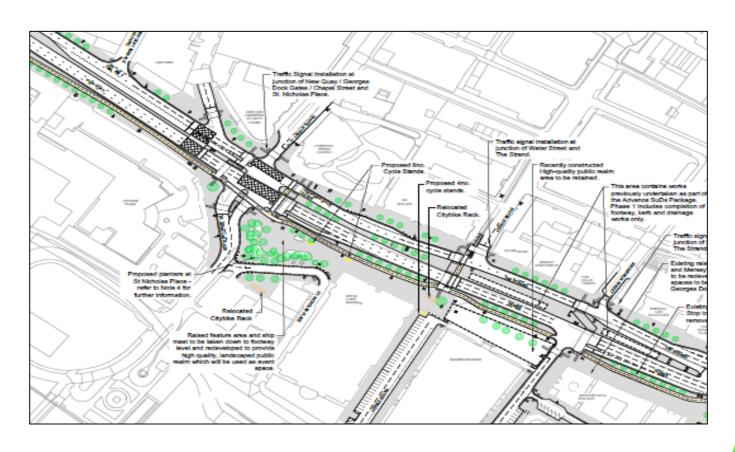


Shade and cooling trees with 80m² permeable paved area



Trees in Hard Landscapes Major Highways Schemes Filter Planting

130 other trees being planted in 9 - 47m³ silva cells as part of the Strand City Connectivity works, many will be performing a filter function.



Trees in Hard Landscapes - Smaller Schemes



Removal of concrete parking space



Delivered by contractors



Trees and pollinator planting



Stafford Street in Fabric District

Trees in Hard Landscapes Stafford Street Feedback



Local residents rate the appearance of their area nearly twice as highly post-greening

92%

say that planting street trees makes the area look better and attracts people and businesses

68% feel that having trees planted locally encourages them to spend more time outdoors.

of businesses say that the most important benefit of greening is increased footfall (up 83% on the pre-planting response)

of new cyclists said a key reason they started cycling was because their route to work/college is now more attractive.





Tree Planting in Hard Landscapes Difficult Spaces

Delivered in-house

- Use of containers with irrigation systems
- Avoids underground cables and utilities
- Replaced concrete bollards
- Providing a shady street/parking space
- Trialling an urban tree nursery









Tree Planting for Engagement Mobile Forest

Launched June 2019 by Sir William Worsley DEFRA Tree Champion









Urban Carbon Sinks Floating Ecosystems









Urban Carbon Sinks Pollinator Planting













Urban carbon sinks- Living Green Walls







Thank you

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