

Appendix 4 – Finance Tables

Table 1: Spend to date - City Greening & Biodiversity Project – 16800467 (as at Nov 2022)			
Description	Approved Budget (£)	Expenditure (£)	Balance (£)
Env Servs Staff Costs	7,000	-	7,000
Open Spaces Staff Costs	3,000	-	3,000
P&T Staff Costs	40,000	19,804	20,196
P&T Fees	30,000	30,000	-
TOTAL	80,000	49,804	30,196

Table 2: Resources Required to reach the next Gateway (replanting and relandscaping)*			
Description	Approved Budget (£)	Resources Required (£)	Revised Budget (£)
Env Servs Staff Costs	7,000	15,000	22,000
Open Spaces Staff Costs	3,000	15,000	18,000
P&T Staff Costs	40,000	20,000	60,000
P&T Fees	30,000	45,000	75,000
TOTAL	80,000	95,000	175,000

*Budget for tree planting element of the project (Gateway 5) has been approved separately

Appendix 5

Cool Streets and Greening Programme – Overview of Phases 1-4 **November 2022**

The Cool Streets and Greening programme is an integral part of building climate resilience across the City Corporation's public spaces under the Climate Action Strategy (CAS). The programme will deliver a range of capital projects in order to further the following goals, as approved under Gateway 1 of the CAS:

- Sustainable rain and surface water management policies and implementation
- Increase the quality and provision of green space and coverage in the Square Mile and wider City Corporation spaces
- Introduce climate resistant and adaptive landscaping in planned work

Capital projects under the Cool Streets and Greening programme are being delivered in **four phases**. The overall budget for this programme is £6.8M which is funded through the Climate Action Strategy. The progress of each phase and the projects within these phases are outlined below along with a breakdown of total estimated costs for each phase.

Programme Planning and Management

Programme development began in April 2021 with a budget of £320K. This is being used for programme framework development, smart sensor installation across the City, opportunity mapping and site identification, design and prioritisation. The budget also funds the development of a Resilient Planting Catalogue and Climate Resilience Measures Catalogue. These two resources will be available across the City Corporation to allow project managers to develop schemes that are resilient to the impacts of climate change.

Phase 1

Under Phase 1, existing capital projects were identified and additional funding provided from the Cool Streets and Greening programme for the inclusion of climate resilience measures, where these may not have been previously included. The most suitable sites were identified through a prioritisation exercise of existing highways, public realm and City Gardens projects. This exercise took account of the date of commencement, area of the site, potential for inclusion of resilience measures and/or additional environmental benefits, as well as cost.

A total of nine projects were identified for Phase 1, including five individual schemes and four sites under the Pedestrian Priority programme. Phase 1 of the programme was initially known as 'Year 1', with projects planned for completion in 2021/22. However, a number of these projects have faced some delay. Progress on these sites is outlined below.

Site	Measures Included	Gateway Approval	Progress
Vine Street	Avenue tree planting	G5	Completed March 2022
Riverside Planters, City of London School	Climate resilient landscaping (drought tolerant planting)	G5	Completed May 2022
Bevis Marks/Dukes Place	Sustainable drainage (rain gardens and geocellular storage), tree planting	G5	Works commenced October 2022
Cheapside Sunken Garden	Sustainable drainage (permeable paving), climate resilient planting	G5	Works to commence early 2023
Jubilee Gardens	Tree planting, green wall, climate resilient planting	G4	Detailed design completed pending Capital Projects review. Gateway 5 due early 2023
Pedestrian Priority Sites	Climate resilient planting at four sites	G5	Temporary measures complete 2021. Permanent trial site being

			developed (City Cluster) October 2022.
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Phase 2

Phase 2 sites were identified and prioritised using a similar approach to Phase 1, although in most cases these projects were at an earlier stage of design. Consequently, a more holistic approach to integrating climate resilience measures was possible through involvement at an earlier design stage.

Phase 2 of the programme was initially known as 'Year 2', with projects planned for completion in 2022/23. Progress on these sites is outlined below.

Site	Measures Included	Gateway Approval	Progress
Bank	Tree planting, sustainable drainage (rain gardens)	G5	Works commenced October 2022
Little Trinity Lane	Hedge planting, climate resilient planting	G4	Detailed design in development
Crescent	Tree planting, climate resilient planting, sustainable drainage (rain gardens and attenuation boards)	G4	Detailed design in development
Moor Lane	Tree and hedge planting, sustainable drainage (proposed)	G4	Detailed design in development – below ground constraints affecting scope
Finsbury Circus	Monitoring only (subject to wider works proposals)	G5 – monitoring	On hold pending Capital Projects review
Barbican Podium Phase 2	Monitoring only	G5 – monitoring	In progress in partnership with Atkins

Phase 3 – City Greening and Biodiversity (the subject of this report)

Further phases of the programme aim to identify new project sites using a more strategic approach, rather than intervening in projects previously underway. Phase 3 of the programme will work with the Policy and Projects team under *City Greening and Biodiversity* to improve tree planting, replanting for climate resilience and relandscaping of new sites, as well as deliver a range of biodiversity enhancements as outlined in Appendix 3.

These schemes are to be focused along three strategic green corridors. These corridors have been identified to improve connectivity between the City's Sites of Importance for Nature Conservation (SINCs) and areas close to them, as well as providing routes across the City for pedestrians and cyclists with increased shade and canopy cover. These routes are illustrated in *Figure 1*. Individual sites along this route were prioritised considering a range of biodiversity and pedestrian parameters, as outlined in Appendix 3.

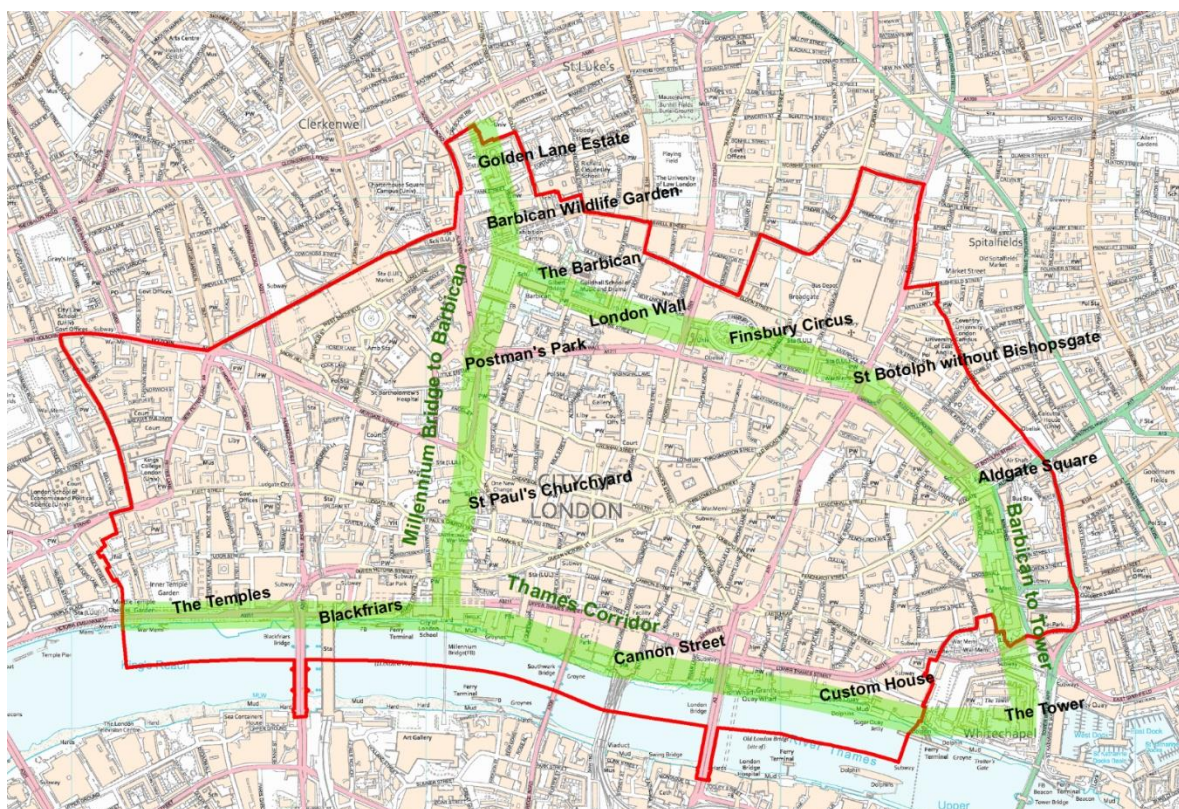


Figure 1: Indicative green corridors

Tree planting

An accelerated programme of tree planting is proposed under Phase 3. Potential locations for tree planting were identified through site visits and are being progressed through trial holes and ground radar surveys. A number of priority areas within green corridors have been identified for new tree planting, as outlined below. This programme will be delivered through the City Gardens team as resource becomes available, following the success of site surveys.

The tree planting element has been accelerated with Gateway 5 approval under Chief Officer delegated authority in order to maximise trees planted within the 2022/23 planting season. The remaining funds will be carried over to the 2023/24 planting season.

Location	Green Corridor
London Wall/All Hallows	Barbican to Tower
Houndsditch	Barbican to Tower
Jewry Street/Fenchurch Street	Barbican to Tower
Eastcheap/Green Tower Street	Enhancing SINC (St Dunstan's)
Queen Victoria Street	Millennium Bridge to Barbican
King Edward Street	Millennium Bridge to Barbican
Rotunda/Aldersgate Street	Millennium Bridge to Barbican

Replanting for resilience

A number of sites managed by City Gardens have been identified along the green corridors as priority sites for replacement planting. Replanting schemes will respond to site-relevant priorities, including climate adaptive planting, disease-resistant planting, planting for biodiversity benefit etc.

Site	Green Corridor
All Hallows on the Wall	Barbican to Tower
St Dunstan's on the Hill	Enhancing SINC
St Dunstan's in the East Churchyard	Enhancing SINC

Queen Street Place	Thames
Whittington Gardens	Thames
Angel Lane	Thames
Adelaide House	Thames
Dark House Walk	Thames
St Anne and St Agnes Churchyard	Millennium Bridge to Barbican
St Olave Silver Street	Millennium Bridge to Barbican
John Carpenter Street	Thames
St Botolph without Bishopsgate	Barbican to Tower
St Mary Staining	Millennium Bridge to Barbican
St Mary Aldermanbury	Millennium Bridge to Barbican

Relandscaping

Additional sites have been identified where more detailed proposals will be brought forward to introduce new climate resilience measures, with a focus on the strategic green corridors and biodiversity improvements within them.

Site	Green Corridor
London Wall Moorgate	Barbican to Tower
Finsbury Circus Western Arm	Barbican to Tower
Fann Street (West)	Millennium Bridge to Barbican
St Peter Westcheap	Millennium Bridge to Barbican
Fetter Lane (North)	Area of green space deficiency
Playhouse Yard	Area of green space deficiency (contingency site)

Phase 4 – SuDS for Climate Resilience

Phase 4 of the programme has begun to identify a number of sites with potential for sustainable drainage systems (SuDS) to be delivered under *SuDS for Climate Resilience*. SuDS schemes are effective for managing surface water at source and minimising the risk of sewer surcharge flooding.

Locations have been selected where there is lower risk of substantial surface water flooding, but in proximity to trunk sewers where SuDS can be more effective during periods of heavy rain. SuDS will result in improvements in water quality and attenuation of runoff into the sewer network. Where SuDS sites are also located in a green corridor, scheme with greening elements such as rain gardens and swales will be prioritised.

Phase 4 of the Cool Streets and Greening programme is progressing through Gateway 2-3 in November and December 2022. This will allow for detailed site surveys of the locations below, and identify any constraints.

Site	Green Corridor
St Andrew Undershaft	Not on route
Took's Court	Not on route (deficient in green space)
Lambeth Hill (or equivalent)	Thames
Riverside/Swan Lane	Thames
Bread Street	Not on route
Ludgate Broadway	Not on route (deficient in green space)
St Martin's-le-Grand	Millennium Bridge to Barbican
Knightrider Court	Millennium Bridge to Barbican
Godliman Street	Millennium Bridge to Barbican
Houndsditch	Barbican to Tower

Sites not included in the Cool Streets and Greening programme

Some additional sites were identified during the prioritisation exercise and subsequent site visits, with potential for strategic climate resilience interventions. However, these sites have alternative delivery mechanisms and will be progressed outside of the Cool Streets and Greening Programme.

Site	Reason
St Mary at Hill	S106 funding for this site
Temple Avenue	Potential Landowner funding for this site