

Recommendation	Project
This site should be proposed at Gateway 3-4 for CS&G Year 2	Little Trinity Lane
	<i>Measure 1</i>
	<i>Measure 2</i>
	<i>Measure 3</i>
	<i>Measure 4</i>
	<i>Possible measure from catalogue</i>
	<i>Possible measure from catalogue</i>
	<i>Possible measure from catalogue</i>
	Little Trinity Lane Summary
This site should be proposed at Gateway 3-4 for CS&G Year 2	Crescent

	<i>Measure 1</i>
	<i>Measure 2</i>
	<i>Measure 3</i>
	<i>Measure 4</i>
	<i>Possible measure from catalogue</i>
	<i>Possible measure from catalogue</i>
	Crescent Summary
This site should be proposed at Gateway 3-4 for CS&G Year 2	Bank
	<i>Possible measure from catalogue</i>
	Bank Summary

<p>This site should be proposed at Gateway 3-4 for CS&G Year 2</p>	<p>Moor Lane</p>
	Moor Lane Summary
<p>This site is already funded from other sources Maintain involvement in the choice of climate resilience measures and monitoring. Provide funding for monitoring if necessary</p>	<p>Barbican Podium Phase 2 MONITORING ONLY</p>
	Measure 1
	Measure 2
	Measure 3
	Barbican Podium Phase 2 Summary

<p>This site is already funded from other sources</p> <p>Maintain involvement in the choice of climate resilience measures and monitoring.</p> <p>Provide funding for monitoring if necessary</p>	<p>Finsbury Circus</p> <p>MONITORING ONLY</p>
	Finsbury Circus Summary
<p>Put forward as a site in the City Greening/Biodiversity site search</p> <p>Maintain involvement in the design of this site early 2022</p>	<p>Moorgate & London Wall</p> <p>City Transport Major Projects</p> <p>Crossrail Phase 2</p>
	Measure 1
	Measure 2

	Measure 3
	Measure 4
	Moorgate & London Wall Summary
Reject site for CS&G Year 2 Minimal opportunity for benefits given the existing planting on this site. Small constrained site	Guildhall Members' car park entrance
	Measure 1
	Measure 2
	Guildhall Members' Car Park entrance summary
Put forward as a site in the City Greening/Biodiversity site search Maintain involvement in the design of this site early 2022	Finsbury Circus Western Arm
	Measure 1
	Measure 2
	Measure 3
	Measure 4

	Western Arm Summary
	Additional sites
Seek additional sites through this programme	Cubic Mile Project sites
	<i>Measure 1</i>
	<i>Measure 2</i>
	<i>Measure 3</i>
	<i>Measure 4</i>
	Cubic Mile Summary
Seek additional sites through this programme	Heat Resilient Highways
	Cold pour asphalt
	<i>Measure 2</i>
	<i>Measure 3</i>
	<i>Measure 4</i>
	<i>Site name Summary</i>

Seek additional sites through this programme	City Greening /Biodiversity Biodiversity resilient sites
	SITE NAME
	<i>Measure 1</i>
	<i>Measure 2</i>
	<i>Measure 3</i>
	<i>Measure 4</i>
	<i>Site name Summary</i>
	<i>Site name Summary</i>
Seek additional sites through this programme	City greening/ biodiversity Healthy Streets Eastern City Cluster City Transport Major Projects
	<i>Measure 1</i>
	<i>Measure 2</i>
	<i>Measure 3</i>
	<i>Measure 4</i>
	Healthy Streets Eastern City Cluster Summary

Seek additional sites through this programme

**City greening/
biodiversity**

Churchyards

Churchyards

Measure 1

Measure 2

Measure 3

Measure 4

Churchyards Summary

CSG elements	Options	PRIORITY 1 Date (approx start) - score
		2021-22 = 5 2022-23 = 4 2023-24 = 3 2024-25 = 2
SuDS including raingardens, channels and re-profiling footway, trees, climate resilient planting. Trial of pollution mitigation green screen/ climbing plants	Rain garden Redirect flows into planting bed Resilient planting trees green screen/ hedging pergola Pollution mitigation Blue green infrastructure	4
Raingarden (including channels and reprofiling footway to direct flows into planting bed) Raingarden SuDS		
Trees Provision of trees surface water run off		
Climate resilient planting shrub provision		
Green screen / climbing plants Naturalising Roads		
Pervious paving (SuDS)		
Geocellular systems		
Rainwater harvesting		
SuDS, Climate resilient planting, trees, permeable paving	SuDs Soakaways permeable planting climate resilient planting Trees latest design Oct 2021	4

SuDS Raingarden	Underground tunnel below this site may prevent use of soakaways	
Permeable paving Pervious paving (SuDS)		
Climate resilient planting shrub provision		
Trees Provision of trees for natural solar shading	Must be planted in substrates that can become rain gardens in future Miya Waki method?	
Cool paving		
Geocellular systems		
Rain gardens, Climate resilient planting	Rain gardens, Climate resilient planting trees Report May for main scheme need to confirm all funding is there for main scheme this scheme includes several streets that lead into Bank junction where significant tree planting is proposed	4
Rain gardens (SuDS)		
Climate resilient planting shrub provision		
Trees Provision of trees for natural solar shade		
Geocellular systems		

Rain gardens, channels and re-profiling footway, trees, pergolas, cool paving climate resilient planting	Public consultation closes next week Tom NobleAndrea Moracovic SuDS permeable paving and rain gardens trees	4
Raingarden (including channels and reprofiling footway)		
Channels		
trees		
Pergolas - structural shading		
Cool paving		
Climate resilient planting		
Opportunity for SuDS, rainwater harvesting, resilient planting	? Monitoring only ? Large roof garden Learning from Phase 1 Nigel Dunnett Need lower maintenance than phase 1 Reduce maintenance for hotter conditions no irrigations project manager:Mihael Gwyther Jones Patrick Heggarty Neil Manthorpe Atkins Global	3
SuDS Geocellular storage systems		
Rainwater harvesting		
Resilient planting (shrub provision)		

Channelling the gullies into soakaways within the garden is a perfect solution – massive catchment area as well.	<p>?Monitoring only?</p> <p>?Bob Bray design?</p> <p>Planning application gone in</p> <p>Paused tender awaiting permission</p> <p>SuDS scheme soakaways rainwater attenuation</p> <p>Cannot do calculations for soil water uptake - 5m rings filled with gravel to slow water flow - not doing because of cost</p> <p>North and south of crossrail. SuDs Raingardens and intercepts when more than normal rainfall. Ben Manku has done vertical drainage rings elsewhere.</p> <p>Joanne Honeybell</p>	4
Trees planting Provision of trees - surface water run off		
Retail London Plane trees Retention of existing trees		
Hard landscaping Pervious Paving		
Lawn Rain Garden		
Planting beds Shrub provision		
Green roof Green Roof (SuDS)		
Opportunity arising from redesign of space to improve navigation and maintenance near Crossrail Station	Ecology Biodiversity linking	3
Retain existing mature oak tree Retain existing trees in new development		
Climate resilient planting / remove lawn shrub provision		

Naturalising Roads		
ditto		
Climate resilient planting ,possible SuDS	Substrates similar to Boys School Paving levels SuDS underplanting in shady conditions	3
Climate resilient Planting Shrub provision		
Retain existing trees		
SuDS soakaway		
	Opportunity for biodiversity enhancement linking Finsbury Circus with Barbican gardens to the north via greening on Deutch Bank building and Tenter House Cool paving Shading green and sail shade pergolas Seeking underspend for design work 10K consultants 10K staff costs	3
Trees		
Structures for green shading biodiversity		
ditto		
ditto		

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es search - Evaluation to be completed

	<p>This project will identify below ground spaces for resilience measures</p>	
Brief description of measure - use resilience		
ditto		
ditto		
ditto		

	<p>Testing of measures that that will minimise heat absorbtion of highway surfaces - will help to avoid disruption to traffic and movement in the Square Mile.</p>	
Brief description of measure - use resilience		
ditto		
ditto		
ditto		

	Green corridors Biodiversity strategy alignment, Biodiversity net gain	
<i>Brief description of measure - use resilience catalogue measures if possible</i>		
<i>ditto</i>		
<i>ditto</i>		
<i>ditto</i>		
Opportunity for greening	Tree planting across the area below ground mapping gateway 1-2 May (link with BGS below ground mapping) tree planting across the whole City Jake wants to look at different planting methods - trial different approaches tree pits etc SuDS Partner with pedestrian priority area	4
<i>Brief description of measure - use resilience catalogue measures if possible</i>		
<i>ditto</i>		
<i>ditto</i>		
<i>ditto</i>		

Mel/Jake/ Madur -
 priorities from churchyard
 project
 more greening climate
 resilience
 Overheating
 Biodiversity
 Cool spaces & Cool routes

<i>Summary of resilience measures</i>	<i>Interest from St Brides church in climate change projects Challenging site - no coherent approach to tree planting</i>	
<i>Brief description of measure - use resilience catalogue measures if possible</i>		
<i>ditto</i>		
<i>ditto</i>		
<i>ditto</i>		

Area of site (m2) estimated	Innovative?	Benefit analysis score
		refer to resilience catalogue
800		
450	0	10
150	0	9
450	0	9
95	0	8
1145	0	36
860		

200	0	10
400	0	4
450	0	9
75	0	9
1125	0	32
4200		
500	0	10
500	0	9
500	0	9
1000	0	19

3100		
1000	3	10
30		
900		9
50		5
1000		2
400		9
3380	3	35
16000		
0	0	2
0	0	2
2000	0	9
2000	0	13

7189		
	0	9
	0	9
2843	0	4
1756	0	10
2590	0	9
325	0	11
7514	0	52
500		
130	0	9
200	0	9

40		8
370	0	26
275		
150		9
100		9
100		
350	0	18
670		
150		9
240		5

390	0	14
<i>Area covered by this measure</i>		
ditto		
ditto		
ditto		
0	0	0

<i>Area covered by this measure</i>		
ditto		
ditto		
ditto		
0	0	0

Area covered by this measure		
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ditto		
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0	0	0
Site area		
Area covered by this measure		
ditto		
ditto		
ditto		
0	0	0

Site area		
Area covered by this measure		
ditto		
ditto		
ditto		
0	0	0

PRIORITY 2 (Risks &)benefits	PRIORITY 3 cost per benefit (£)	PRIORITY 4 benefits per m2
	Need to include cost breakdown per measure	
4500		
1350		
4050		
760		
10660	15	13
		0

2000		
1600		
4050		
675		
8325	26	10
5000		
4500		
4500		
14000	12	3

13000		
0		
8100		
250		
2000		
3600		
26950	4	9
0		
0		
18000		
18000	7	1

		0
0		
0		
11372		
17560		
23310		
3575		
55817	2	8
1170		
1800		

320		
0		
3290	7	7
1350		
900		
0		
2250	37	8
1350		202500
1200		288000
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Assessment comment	Total project cost			Funding required (CSG)
		Resilience measures	Resilience measures maintenance & monitoring	plus maintenance & monitoring
	£450K	150000	15000	165000

Detailed redesign of Crescent may increase these scores	£600K	200000	20000	220000
I have used the Shrub Provision measure as the nearest thing to climate resilient planting				
	£5.5M	150000	15000	165000

TBC – c.£50-100k				
	£1.2M	100000	10000	110000
	£12.5M	100000	20000	120000

	tba			
	tba	100000	20000	120000
		Subject to design		

		20000	2000	22000
				0
				0
				0
		75000	7500	82500
		Subject to design		

		60000	6000	66000
		Installat ion cost	Maintenance & monitoring cost	#VALUE!

		Installat ion cost	Maintenance & monitoring cost	#VALUE!

		Installation cost	Maintenance & monitoring cost	#VALUE!
		Installation cost	Maintenance & monitoring cost	#VALUE!
		0	0	0

[illegible]

Programme / Notes	Public Realm Comment
<ul style="list-style-type: none"> Detailed design – April 2022 Construction design - Summer 2022 Construction Autumn 2022	<p>This would be a good location subject to stats. It's at the bottom of the slight incline so would achieve a good catchment area of run off.</p> <p>The area also needs some TLC and more greenery next to the TLRN would be welcomed. The building site here will also be finished soon.</p>
Detailed design Nov 2021 Construction design Spring 2022 Construction Summer 2022 <i>Note: could start later depending on CSG funding confirmation</i>	<ul style="list-style-type: none"> Minories?? – There is a shallow tube line directly underneath this space therefore SUDS and trees would not be the smartest option. Something to the north of the Cresnet would be more achievable but this space might needed for parking and loading for the properties

<p>Detailed design – Sept 2021</p> <p>Confirmation of funding for main scheme May 2022</p> <p>Construction design tba ? June 2022</p> <p>Construction start tbc Autumn 2022</p>	<ul style="list-style-type: none"> Massively restricted due to the structure's underneath. I note the location in QVS but it will be tight due to basements and pipe subway underneath.

Consultation – July 21 Detailed design - Sept / Oct 2021 Construction - late 2022/ early 2023	<ul style="list-style-type: none"> This location is perfect and aligns with the S278 works planned for this location. Rain gardens will be ideal.
Preliminary design & consultation March - Sept 2021 Listed Building Planning application Sept 2021 Detailed technical design Jan- March 2022 Construction Sept 2022	

<p>Timetable and costs not available?</p> <p>?Bob Bray design?</p> <p>Planning application gone in</p>	
Completion end 2022 - Crossrail opening	

[illegible]

High level designs City Cluster Vision gateway 1-2 July 2021	

<i>Estimated timetable for design & construction</i>	

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Opportunities	Public realm contact	Highways contact	Transport contact	Open Spaces contact	Housing contact
	Melanie Charalambous				
	Melanie Charalambous	Ben Manku Neil Blackson			

	Melanie Charalambous				
	Melanie Charalambous			Bradley Viljoen	Michael Gwyther-Jones

		Giles Radford		Jake Tibbetts	
			Leah Coburn		

[illegible]

			Leah Coburn		

[illegible]