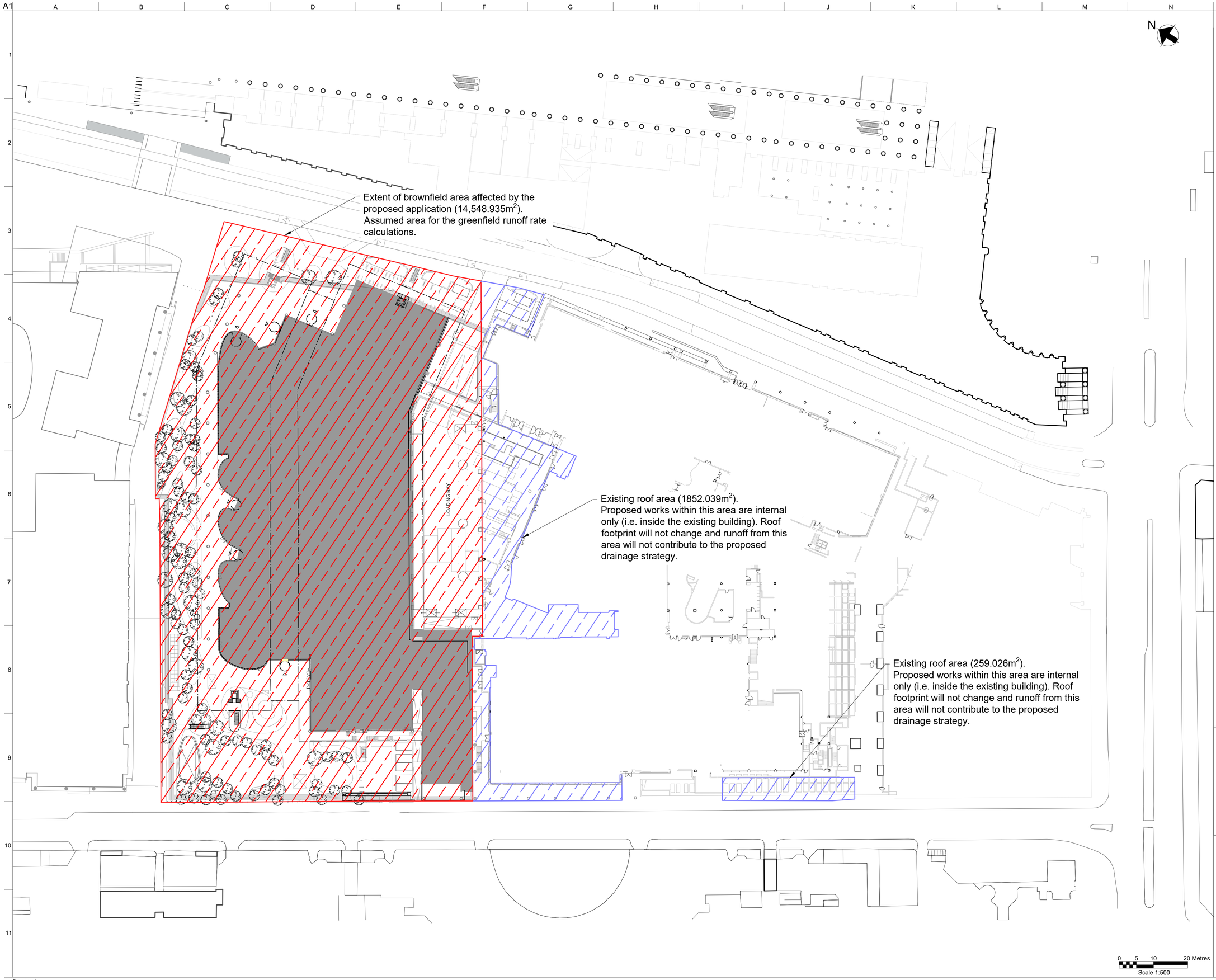

NOTES

1. Site postcode: NW1 2DB.

LEGEND

Site Boundary

Planned Works Inside the Existing BL Building

Proposed Expansion Works

Site Location Plan

1:5000

Rev	Date	By	Chkd	Appd
P01	15/02/21	RO	RO	TMcD
For Information				

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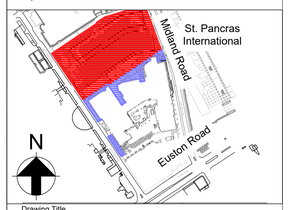
Client
Stanhope
Mitsui

Project Title
British Library

Key Plan



Drawing Title
Proposed Site
Greenfield Runoff Rate
Contributing Area

Scale at A1 1:500

Role Civil

Suitability **For Information**

Arup Job No **249622-00**

Rev **P01**

Name **ARP-00-XX-SK-C-XX-0100**

Do not scale

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TABLE 36.2 SuDS risk assessment matrix

		Consequence				
		Insignificant	Minor	Moderate	Major	Extreme
Likelihood		**No injury or health effects**	**Minor injury or health effects**	**Injury but not life threatening Some ill health effects**	**Serious injury Dangerous near miss Serious ill health**	**Serious injury or death Serious life-threatening disease**
Almost certain (frequent)	Is expected to occur/ recur frequently or within a short period of time (most weeks or months)	M	M	H	E	E
Likely (probable)	Will probably occur/ recur in most circumstances (several times a year)	L	M	H	H	E
Possible (occasional)	Possibly will occur/ recur occasionally (once every few years)	L	M	M	H	H
Unlikely (uncommon)	Uncommon might occur/recur at some time in the future	L	L	M	M	H
Rare (remote)	Unlikely to occur/ recur May only happen in exceptional circumstances	L	L	L	L	M

Key

Risk	Action
Extreme risk (E)	Design stage – not acceptable – design must be changed Management stage – immediate attention and response needed to reduce the level of risk
High risk (H)	Design stage – not acceptable – design must be changed Management stage – attention and response needed to reduce the level of risk
Medium risk (M)	Design stage – review if it is practical and reasonable to change design to reduce level of risk Management stage – review options to see if there are practical and reasonable options to reduce risk
Low risk (L)	Design stage – acceptable – no changes required Management stage – no response needed to reduce the level of risk, continue to review on regular basis

Project SUDS Risk Register

Project Name: British Library Extension

Prepared By: R. Olariu

Revision 44679 (Rev 01)

No	Date Added / Updated	SUDS Feature	Location	Activity	Hazard/Risk	Likelihood		Consequence	Risk	Measure taken to reduce the risk
1	28/04/2022	Blue roof	Roof level	Maintenance of blue/ green roof	Working at height	Possible (occasional)	Possibly will occur recur occasionally (once every few years)	Insignificant	L	There is a 1.1m balustrade and parapet at roof level which will prevent any falls from height
2	28/04/2022	Blue Roof	Roof level	Maintenance of blue/ green roof	Stagnant contaminated water	Possible (occasional)	Possibly will occur recur occasionally (once every few years)	Insignificant	L	The discharge from the blue/green roof is controlled and there will not be standing water for long periods of time which could facilitate the growth of harming bacteria.
3	28/04/2022	Podium attenuation	Ground level	Maintenance of blue/ green roof	Stagnant contaminated water	Possible (occasional)	Possibly will occur recur occasionally (once every few years)	Insignificant	L	The discharge from the podium attenuation is constant and there will not be standing water for long periods of time which could facilitate the growth of harming bacteria.
4	28/04/2022	Podium attenuation	Ground level	Maintenance of blue/ green roof	Slips, trips and falls	Rare (remote)	Possibly will occur recur occasionally (once every few years)	Insignificant	L	The access chambers to the tank will have appropriate covers to prevent and trips and falls.

A1

Combined attenuation and rainwater harvesting tank at basement level.
Total volume 876m³.
Flow to be pumped from basement to the drainage network at ground floor.

ATTENUATION TANKS
876m³

CYCLISTS' FACILITIES

CYCLISTS' FACILITIES

EXTENT OF BASEMENT TBC

EXTENT OF BASEMENT TBC

TANK FARM

ISSUE STATION STREET

Transformer

Transformer

Lateral Duct

TUNNEL

The British Library

0 5 10 20 Metres
Scale 1:250

NOTES

1. Existing Utility Survey Information is based on Groundwise information obtained 12/08/2020 and CTRL project proposed utilities information.
2. Do not scale off this drawing.
3.

LEGEND

Site Boundary

Existing Combined Sewer — CS

Existing Tunnel — TUNNEL

Proposed Utilities

Basement attenuation - Allowance

Rev	Date	By	Chkd	Appd
P01	27/04/22	RO	RO	TMcD

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Client
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Project Title
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Key Plan

Drawing Title
Proposed Drainage
Storm Water Drainage
Attenuation - Basement Level
Plan

Scale at A1 1:250

Role Civil

Suitability **For Information**

Arup Job No **249622-00**

Rev **P01**

Name **BL-ARUP-ZZ-BG-DR-CU-001206**

Do not scale

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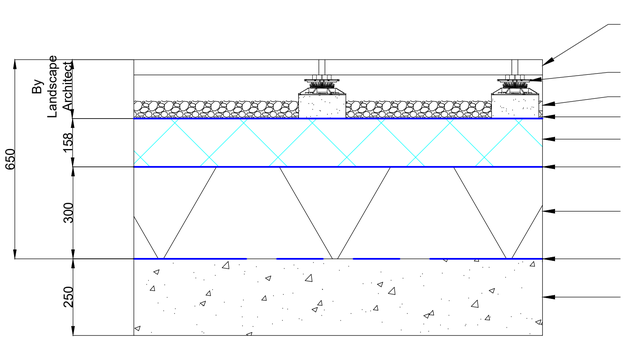
A1

Blue Roof on North Building
Blue roof available area
1800m^2
Blue roof depth 158mm
Total Volume 255m^3

FFL +62.80m



Blue Roof + Paving Detail

Do not scale

NOTES

1. Existing Utility Survey Information is based on Groundwise information obtained 12/08/2020 and CTRL project proposed utilities information.
2. Do not scale off this drawing.
3.

LEGEND

Site Boundary

Existing Combined Sewer

Existing Tunnel

Proposed Utilities

Blue Roof attenuation - Allowance

Rev	Date	By	Chkd	Appd
P01	13/05/22	RO	RO	TMcD

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Client
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Project Title
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Key Plan

Drawing Title
Proposed Drainage
Storm Water Drainage
Attenuation - North Roof (Level 10)
Plan

Scale at A1 1:250

Role Civil

Suitability **For Information**

Arup Job No. **249622-00**

Rev **P01**

Name **BL-ARUP-ZZ-BG-DR-CU-001207**

0 5 10 20 Metres
Scale 1:250

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A1

Blue Roof on L02 Canopy
Blue roof depth 108mm
Total Volume 45m³

Blue Roof on L01 Courtyard
Blue roof depth 108mm
Total Volume 46m³

L02 Canopy

L01 Courtyard

ISSUE STATION STREET

The British Library

NOTES

1. Existing Utility Survey Information is based on Groundwise information obtained 12/08/2020 and CTRL project proposed utilities information.
2. Do not scale off this drawing.
3.

LEGEND

Site Boundary

Existing Combined Sewer — CS —

Existing Tunnel — TUNNEL —

Proposed Utilities

Blue Roof attenuation
- Allowance

Rev	Date	By	Chkd	Appd
P01	27/04/22	RO	RO	TMcD

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Client
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Project Title
British Library

Key Plan

Drawing Title
Proposed Drainage
Storm Water Drainage
Attenuation - North Roof (L01 and L02)
Plan

Scale at A1 1:250

Role Civil

Suitability **For Information**

Arup Job No. **249622-00**

Rev **P01**

Name **BL-ARUP-ZZ-BG-DR-CU-001208**

0 5 10 20 Metres
Scale 1:250

Do not scale

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FRANCIS CRICK INSTITUTE

The area shown hatched is to be safeguarded for the provision of ventilation infrastructure for Crossrail 2. It is expected that such infrastructure would be consented pursuant to a separate planning permission, to be applied for at a later date

DANGOOR WALK

OSSULSTON STREET

BRITISH LIBRARY EXTENSION

LOADING BAY

MIDLAND ROAD

Pedestrian ramp

High point

Raised footing to 17.748m

Point where gradient changes

Loading bay Reject Bay

Chiller Area

Chiller Area

GENERAL NOTES:

The layout of proposed new buildings is shown for reference only. Refer to the Architect's Planning drawings for details.

The detailed layout of landscaped areas and ancillary external areas will be subject to design development.

The precise setting out of finished levels, drainage, paving, planting and furniture will be the subject of non-material changes and may vary from the layouts shown in these plans. These minor alterations will not affect the position and arrangements of landscaped areas nor will they affect the relative relationship with existing and proposed buildings on site.

All materials shown or highlighted are indicative only and may be subject to changes made during detailed design development.

All structure is subject to ongoing design co-ordination and development.

Levels subject to survey

Landscape design around facade subject to cleaning strategy requirements

Landscape layout beyond red line boundary indicative only

Landscape to easement area subject to further survey and information

Site Boundary

Levels and Gradients Key

(18.700) Assumed existing levels. To be confirmed with site survey

18.700 Proposed levels

1:60 Proposed gradient

Proposed fall layout

Proposed linear low point

Proposed low point

17.5 Proposed spot levels

Flow path direction

1:30 Proposed Gradient

N

0 5 15 25M

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Key Plan

Drawing Title
Runoff Flow Path Map

Scale at A1 1:250

Role Civil

Suitability **For Information**

Arup Job No **249622-00**

Rev **P01**

Name **BL-ARUP-ZZ-XX-SK-C-100000**