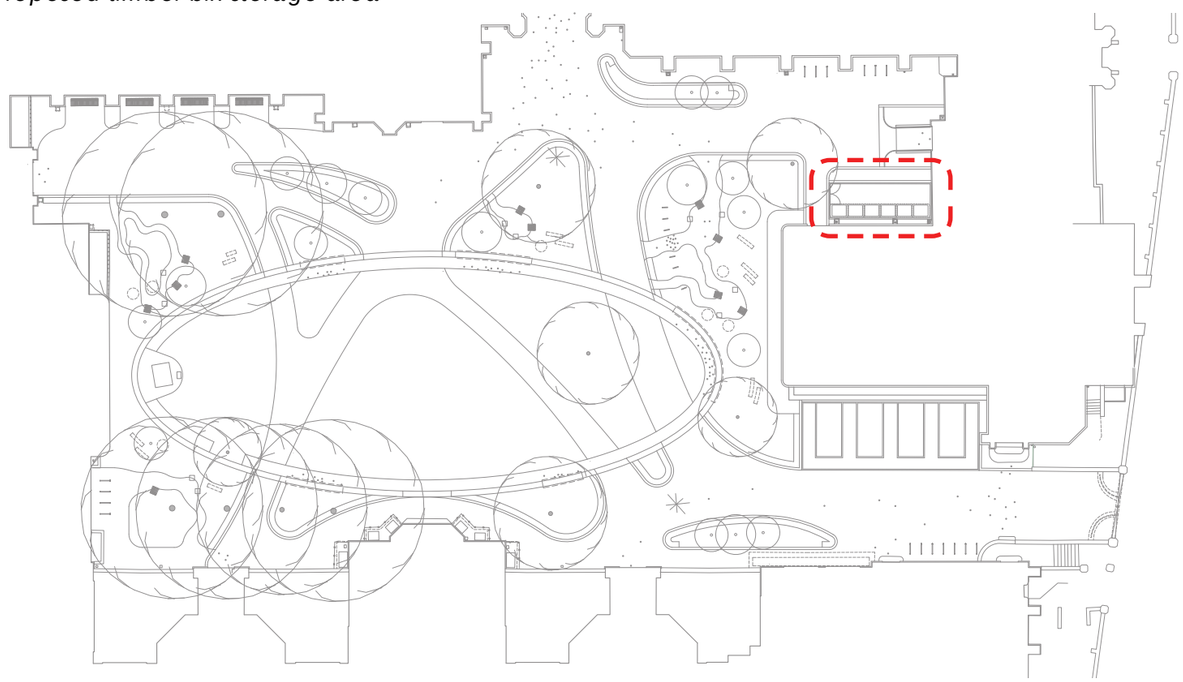
Seating and Furniture - Bin Store Enclosure



Existing Christie access / servicing space



Proposed timber bin storage area



Seating and Furniture - Cycle Parking



Stainless steel ‘Sheffield’ type stand



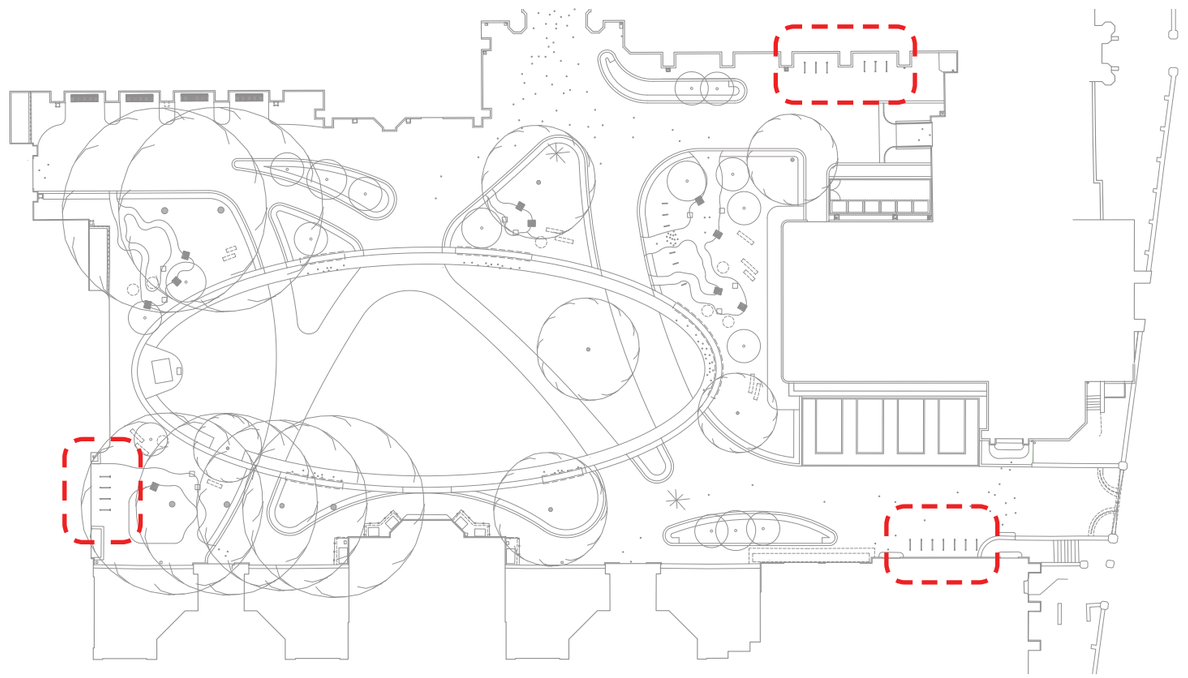
Mild steel flat bar stand



Stainless steel flat bar stand



Existing campus example



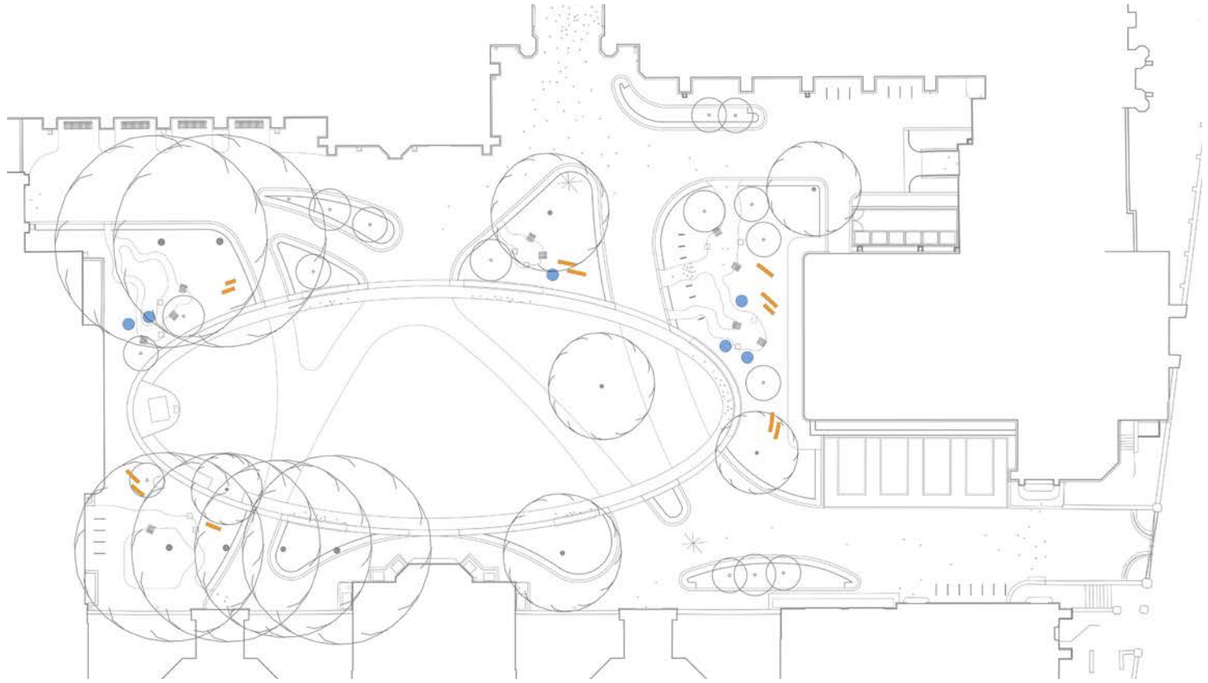
Ecological Features

Key ecological features identified throughout the design engagement and development phases have been habitat creation opportunities, in the form of log piles and water pools.

Any habitat creation opportunities will need to be appropriate to the heritage setting of the Old Quad. We need to ensure that these features are incorporated into the design but in a sensitive way.

Log piles will be included in a sculptural form within the planting beds as shown within the images on this page.
They will blend into the naturalistic planting within the deeper planted areas an mimic clump forming species. The aim of the design is for the log piles to be very discreet, while providing ample habitat for invertebrates.

Small pools are to be included within the scheme to provide an element of drinking / washing water for birds and invertebrates. These pools will be approximately 1m in diameter and relatively shallow, these would not be classified as ponds.
It is important that the pools provide habitat enhancement but do not encourage breeding biting insects.
Pools will be located within deeper planted areas to discourage access by pedestrians. They will be discreetly positioned but with some visibility from the secondary seating areas.





Ornamental log piles (credit Nigel Dunnett)



Example of a small pool at RHS Bridgewater

Art, Interpretation and Wayfinding - The Ellipse and Paving Elements

The integration of artwork into the scheme can greatly enrich the space and help in telling the story of its heritage and current meaning.

As the regeneration of the space is a celebration of the 200 years of the University, it may be that a timeline of it's history is incorporated into the Ellipse, or elements which represent the 25 Nobel prize winners.

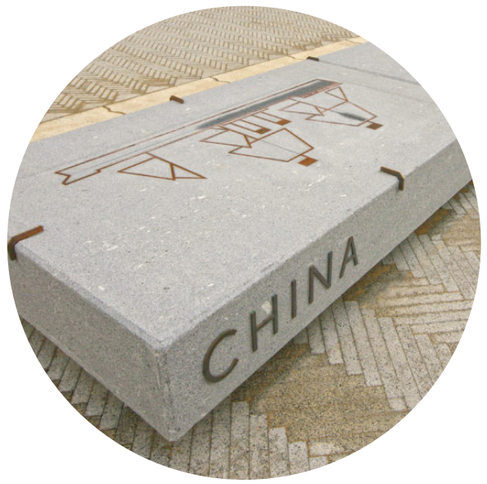
Opportunities for integrated artwork at different scales are available throughout the space, but primary areas which would have the most impact would be the surfacing and the central ellipse.

Integrated artwork will be developed with input from University of Manchester stakeholders to ensure the most relevant and inspirational solution is achieved.

The integrated artwork will be developed with subtlety to ensure no visual detraction from the architecture surrounding the space.



Sand blasted / metal inlay



Sand blasted / metal inlay and metal pinned



Sand blasted / etched



Sand blasted / metal inlay

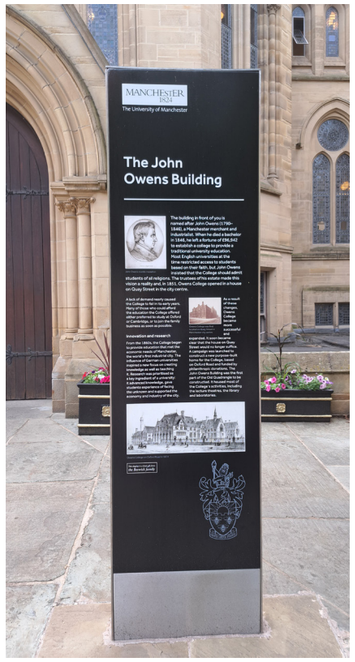


Inlaid bronze elements in paving

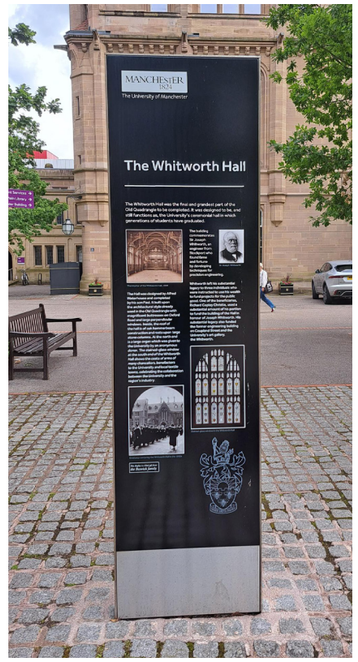


LED strip light - spill lighting

Art, Interpretation and Wayfinding - Heritage Plinths









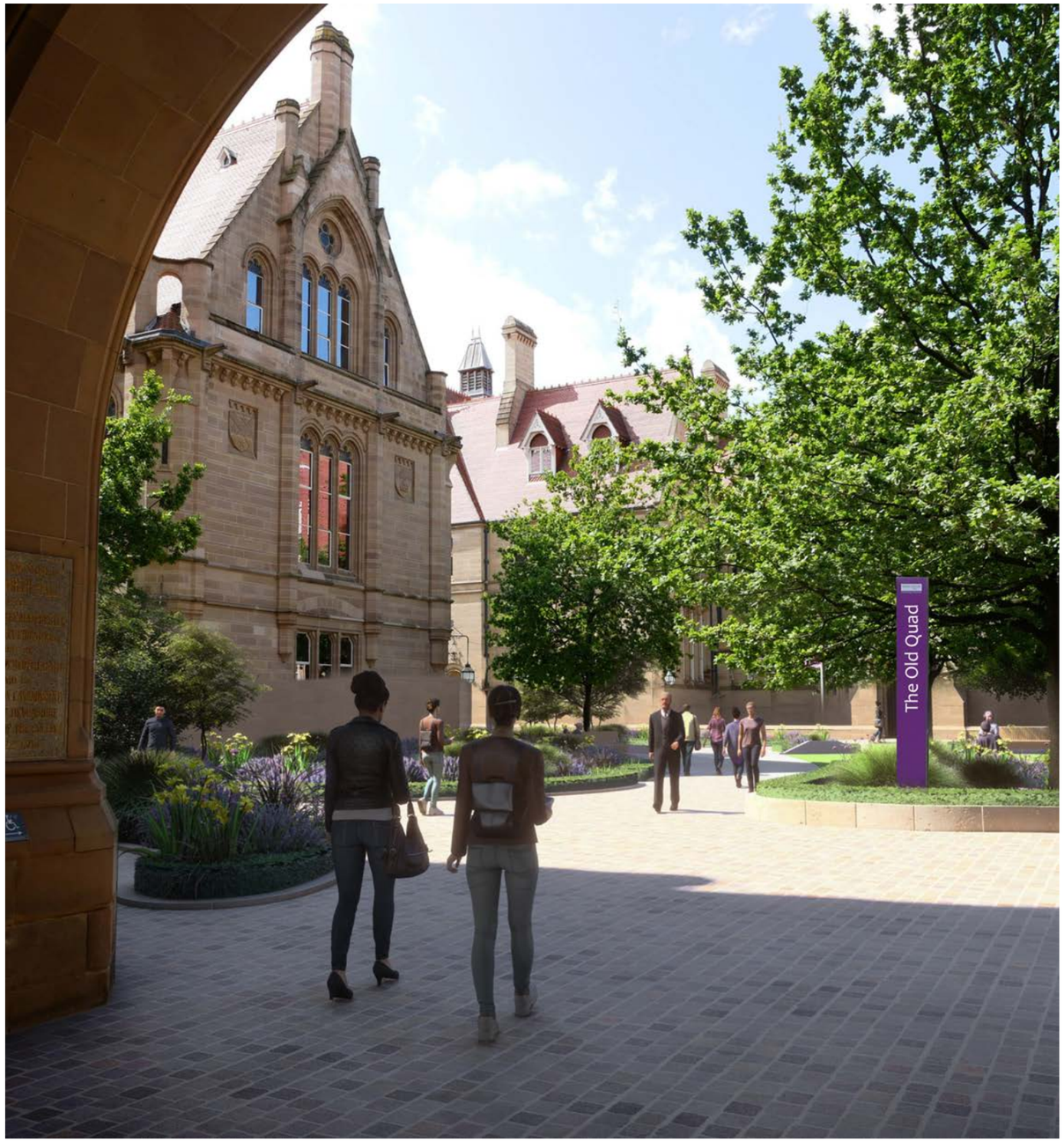


Existing heritage plinths to be relocated within proposed design (Old Quadrangle / Whitworth Hall plinth double sided)

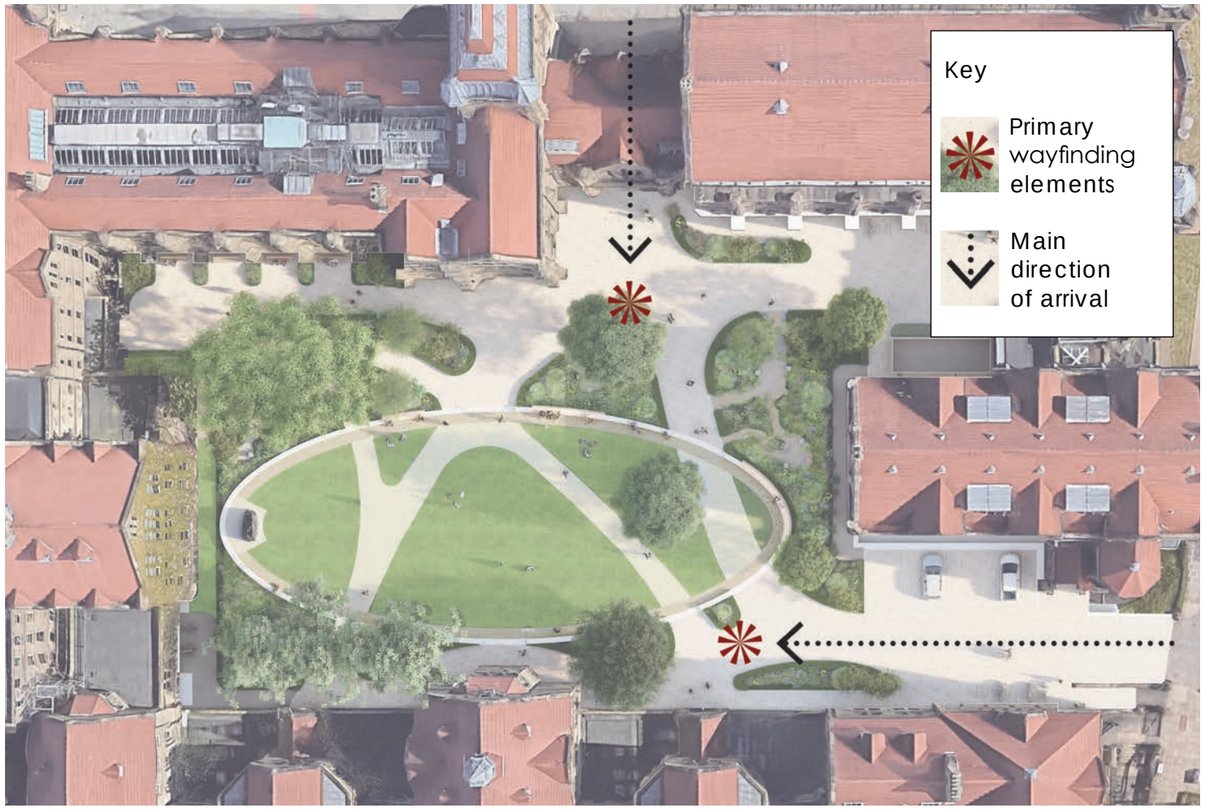


Plan of relocated heritage plinths

Art, Interpretation and Wayfinding - Wayfinding



Proposed UofM plinth signage to Queen's Arch entrance



Plan of relocated key wayfinding point



Existing Old Quad wayfinding to be incorporated at Burlington Street entrance



Illuminated feature wayfinding

Soft Landscape

Planting Palette - Species Spotlight

It is essential to the success of the scheme, and the identity of the University that the Old Quad carries the right high quality appearance throughout the year. This is a space that will function through all seasons.

Due to the large percentage of the space which will be soft landscape, to create the University heart garden the Ellipse is designed around, we need to ensure that the soft landscape has full seasonal appeal.

The planting design will incorporate species with spring, summer and autumn flowering periods, multi layered textural foliage, both deciduous and evergreen, scented foliage and flowers and stem / bark interest.

The intention of the design is to wrap the planting beds in low, semi-formal hedges to give a consistent appearance from the outside, while the plants within the beds flower, develop and undertake natural succession.
This hedge warp will form a modern 'parterre', allowing more freedom and creativity to the planting design within the beds while maintaining a neat, high quality exterior.

All plant species on the project will be selected for a value that they bring to the scheme.
Each species will add to the overall biodiversity and ecological benefit of the project, be it in relation to attracting pollinators, creating habitat structure or cover, or the ability to grow in specific conditions, allowing us to maximise greening.



Scabiosa atropurpurea
Sweet Scabious

Height: 0.5 - 1m
Position: Full Sun
Hardiness: H5 (-15 / -10)
Value:
- RHS Plants for Pollinators
- Semi-evergreen foliage



Thymus praecox
Mother of Thyme

Height: 0.1m
Position: Full Sun
Hardiness: H4 (-10 / -5)
Value:
- RHS Plants for Pollinators
- Drought tolerance
- Groundcover
- Evergreen



Cornus kousa
Kousa Dogwood

Height: 4 - 8m
Position: Full Sun / Partial Shade
Hardiness: H6 (-20 / -15)
Value:
- Unusual and attractive flowers and fruit
- Excellent autumn colour



Lavandula angustifolia 'Hidcote'
English Lavender

Height: 0.5 - 1m
Position: Full Sun
Hardiness: H5 (-15 / -10)
Value:
- RHS Plants for Pollinators / AGM
- Evergreen foliage
- Scent



Stipa capillata
Slender Feather Grass

Height: 0.5 - 1m
Position: Full Sun
Hardiness: H5 (-15 / -10)
Value:
- Tufted feathery foliage / wind movement



Stachys byzantina
Lamb's Ear

Height: 0.1 - 0.5m
Position: Full Sun
Hardiness: H7 (< -20)
Value:
- Carpetting groundcover
- Evergreen perennial
- Silver, wooly foliage



Salvia nemorosa
Woodland Sage

Height: 0.5 - 1m
Position: Full Sun / Partial Shade
Hardiness: H7 (< -20)
Value:
- RHS Plants for Pollinators / AGM
- Drought tolerance
- Scent



Catananche caerulea
Cupid's Dart

Height: 0.5 - 1m
Position: Full Sun
Hardiness: H5 (-15 / -10)
Value:
- RHS Plants for Pollinators / Award of Garden Merit



Molinia caerulea
Purple Moor Grass

Height: 0.5 - 1m
Position: Full Sun / Partial Shade
Hardiness: H7 (< -20)
Value:
- Grows in dappled shade
- UK native



Baptisia australis
Blue Wild Indigo

Height: 0.5 - 1m
Position: Full Sun
Hardiness: H7 (< -20)
Value:
- RHS Award for Garden Merit
- Drought tolerance



Valeriana officinalis
Common Valerian

Height: 1 - 1.5m
Position: Full Sun / Partial Shade
Hardiness: H4 (-10 / -5)
Value:
- Grows in dappled shade
- UK native



Fagus sylvatica
Beech (Hedge)

Height: Cut to 0.6m
Position: Full Sun / Partial Shade
Hardiness: H6 (-20 / -15)
Value:
- Semi-formal edge to planting areas
- UK native

Lighting

The Old Quad space will be used throughout the year and will need to be safe and secure during both summer and winter months. This puts emphasis on the integration of quality lighting within the space to ensure clear visibility when required.

As well as base functionality, the incorporation of better overall lighting brings an important opportunity to emphasise key elements of the proposed design and highlight the historic building facades.

A lighting design for the Old Quad, is being developed that considers the space and the buildings that define it. This will also provide lighting that addresses the University 's operational considerations, including security and way finding.

Feature lighting within soft landscape is to be developed and could emphasise the importance of the green infrastructure within the space, including bespoke features within planting and tree uplighting, whilst considering the impact on wildlife.



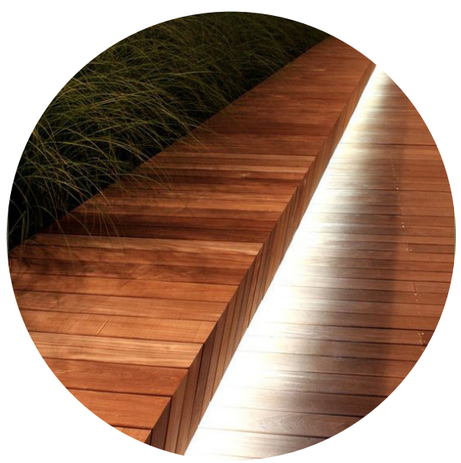
Indicative lighting arrangement for the Old Quad



Existing lanterns to be retained



Feature lighting to highlight Ellipse



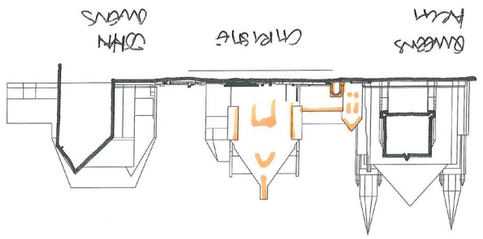
Seat highlight lighting

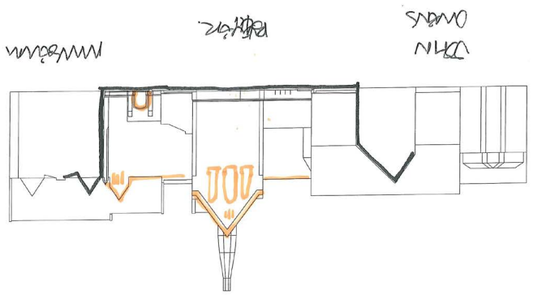


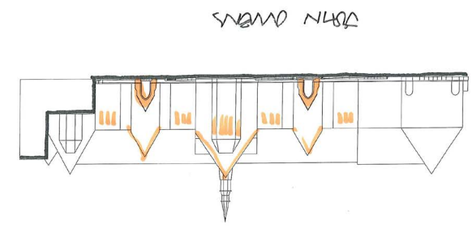
Low height bollard lighting to footpaths

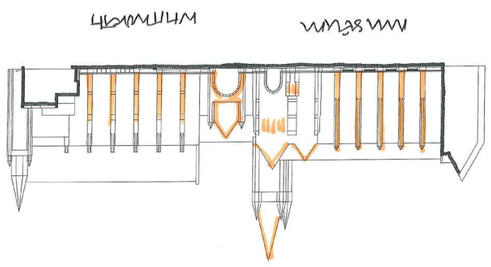


Low height bollard lighting to footpaths












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Aerial view of the existing Old Quad (Aerial imagery from Google Earth)



Aerial view of the proposed Old Quad design (Aerial imagery from Google Earth)



Aerial view of the proposed Old Quad design (Aerial imagery from Google Earth)



Aerial view of the proposed Old Quad design illustrating the connection to Brunswick Park and Gilbert Square (Aerial imagery from Google Earth)