Bicentenary Way – new paving in Brunswick Park, Oxford Rd, University of Manchester M13 9PL to celebrate notable University alumni for the University's 200th anniversary in 2024

Discharge of Conditions relating to Planning Approval 138531/FO/2023

Approval dated 5 January 2024

The University of Manchester

Directorate of Estates & Facilities, Project Design Team, 4th Floor Beyer Building, Oxford Road, Manchester M13 9PL

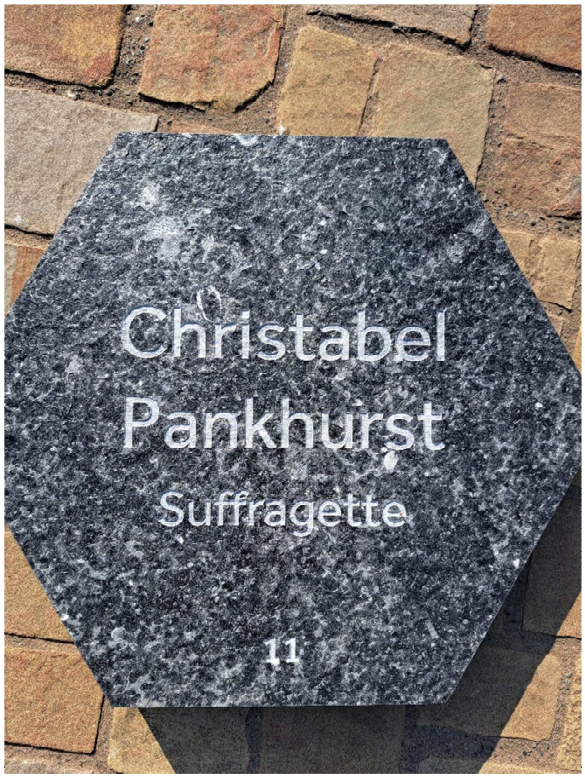
Extract from Planning Approval: -

> **Planning Condition 3)** relating to Approval 138531/FO/2023: -
>
> 'Notwithstanding the details as set out in condition 2 above before the following elements proceed final details (including where appropriate specification and method statement) of the following shall be submitted to and approved in writing by the City Council as Local Planning Authority:
>
> ***(a) Full and final details of the materials to be used in surface materials.***
>
> ***(b) Full and final details of the joint spacing between paving stones.***
>
> ***(c) Full and final details of paver / plaque text design, contrast and font size.***
>
> ***(d) Full and final details of the setting out and positioning of the paviours / plaques.***
>
> ***(e) Full and final details of the design and location of the monolith. Details must include information on lighting and font size.'***

Application and Information to discharge Planning Condition 3) (a) to (e): -

Planning Condition 3) ***'(a) Full and final details of the materials to be used in surface materials'***

- As applied for, the material is a flamed Kilkenny limestone paving-stone
- The flamed surface of the paving is a naturally non-slip surface. The surface will not be riven.
- A full size / actual size (400mm wide) Kilkenny limestone paving stone sample is available for inspection, can be delivered to the Planning Office, this is a photo of the sample paving stone with the proposed design, layout and proposed size of lettering: -



Planning Condition 3) '*(b) Full and final details of the joint spacing between paving stones*'

Joints will be 5mm wide with colour to match existing stone sett joints and pointing in look, aggregate size and consistency.

Planning Condition 3) '*(c) Full and final details of paver / plaque (i) text design, (ii) contrast and (iii) font size*'

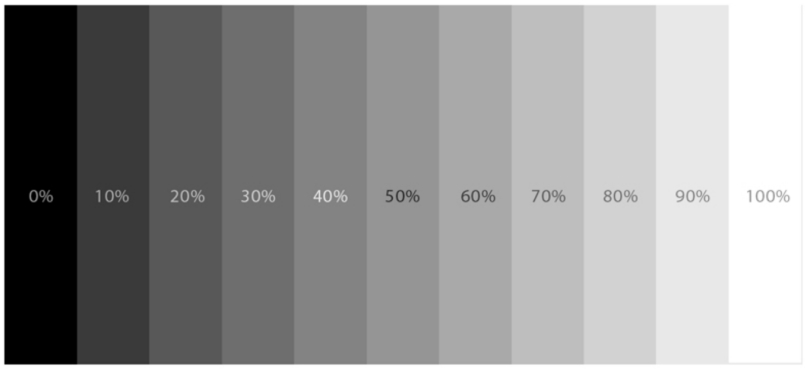
(i) text design

a. text is the University of Manchester's brand font, Effra, a Sans Serif typeface.

(ii) contrast

a. The flamed, dark grey surface of the limestone will be laser etched to form white lettering.
b. To form the reverse of this ('black on white text') is not practical or feasible with the laser etching process. If it was possible to reverse this and have the lettering proud of the surface to produce a 'black on white' text, then this would introduce a trip hazard.
c. Recessing the lettering into the stone is safe and poses no hazards; it provides a flush surface to walk on or for wheelchair or mobility scooters.
d. Infilling the lasered recessed lettering with resin, a plastic material, is not the natural material aesthetic the University wishes to pursue and is not compatible with the University's sustainability goals and may introduce a slip hazard.

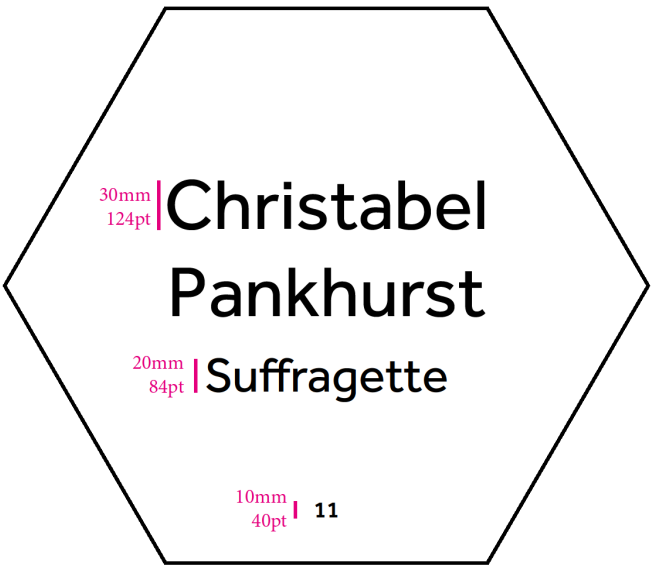
e. Readability of the white lasered lettering contrasting with the dark grey / black flamed surface has not been an issue where the same paving has been used elsewhere, notably at a number of football grounds.
f. On the Light Reflectance Value Chart used by Building Control, compliance is achieved for those with poor vision to discern contrast with 30 points' difference – if the flamed limestone surface is 10 points and the lettering 90 or 100 points then at least 80 points of contrast is achieved: -



Light Reflectance Value Chart

(iii) font size

a. Please refer to the image below showing font sizes in the University's brand typeface Effra represented as black on white due to paper printing constraints, stone pavers though will be white lettering on a dark grey background.
b. These font sizes have been chosen to ensure easy reading from a standing height, and are also a product of ensuring all names on all paving stones are of the same height, even for those with very long Christian and Surnames
   - The name eg Christabel, has a Capital height of 30mm (124pt)
   - Occupation eg Suffragette, has a Capital height of 20mm (84pt)
   - The reference number at the bottom has a height of 10mm (40pt)



Maintenance

The University has its own dedicated in-house landscape maintenance department within the Directorate of Estates & Facilities and a cleaning regime will be agreed with Landscaping to ensure the laser etched lettering isn't soiled or obscured.

Identical laser etched paving has been laid at a number of football grounds by the supplier, for example at Leeds United FC, which has a footfall in a season 20,000 visitors at each of the 20 home games; this equates to approx. 400,000-person footfall on the paving per season. The supplier has confirmed there has not been any collection of soil, leaf mould or other soiling with LUFC, with only a single clean at the end of each season.

Planning Condition 3) '*(d) Full and final details of the setting out and positioning of the paviours / plaques.'*

Setting out to be as application drawing 8717-A004 P1 proposed plan but for clarity drawing **8717-A007 P1** proposed plan with setting out dimensions is attached for approval.

The names on the new pavers, the persons' discipline and subject, area of excellence, and expertise are dispersed with a randomly assigned location to ensure an even distribution and dispersal of visitors to clusters. Because of this, no bottlenecks are envisaged. It is worth noting the new paving stones are set in a wide, spacious, and open area on a wide concourse. Please refer to the photograph of Brunswick Park as existing below, this view is identified on the plan as Photo 1, as included in the Application.

Planning Condition 3) (e) Full and final details of the design and location of the monolith. Details must include information on lighting and font size.

Please note that the proposed new monolith is to match the non-illuminated Heritage Monoliths distributed around the campus in size, design, font, font size, materials and details as previously granted Approval ref 123499/AO/2019 and are not illuminated. The existing (new) streetlamps in Brunswick Park will provide illumination to this area.

New site plan at 1:200 scale drawing number **8717-A008 P1** is attached showing monolith location and setting out dimensions; also shows the general distribution of the clusters with dimensions and below ground services information removed for clarity, with the existing 5/6m lamp posts identified on plan.

In confirmation, the monolith text is as follows: -

- Font - University of Manchester brand font, Effra, Sans Serif
- Title - Capital height is 40mm (170pt)
- Introduction text - Capital height is 13mm (54pt/64.8pt leading)
- Body - Capital height is 10mm (44pt/52.8pt leading)
- White lettering on a black background as per Application visual to match existing Heritage monoliths

Please see attached updated monolith drawing **8717-A006 P2** showing eye line heights for standing and for wheelchair users; these dimensions are as used as manifestation heights on glazing to achieve Building Regulation Compliance. Most of the text is between these two heights.

The over-all height of the monolith is designed to be highly visible from a distance and seen above a crowd to act as a destination; the University has found substantial visitor interest and attraction to the existing Heritage Monoliths.

The proposed location of the monolith is central to the clusters and will be illuminated by two 6m high streetlamps on the other side of the central path into the Park. See drawing number **8717-A008 P1** for the streetlamp locations.

As confirmed in the Application it is the University's intention to include QR codes on the monolith to aid orientation and provide further information, and possibly some braille features.

The final written content is not yet formally signed off by the University but layout, font size, font and design will be all as above.



Photo 1 – Brunswick Park as existing, showing the general area where the clusters of new paving stones are to be located, and the 3nr 6m high lampposts providing general illumination to the whole area.

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