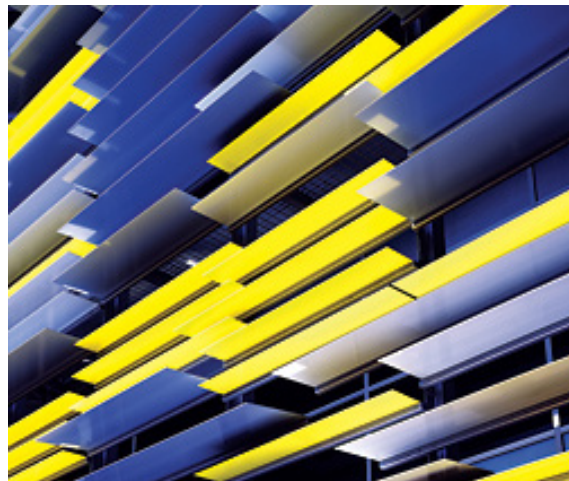


The vents have been designed to integrate with the raised planter/seating, so as to enhance the setting of the Square. The form of the vents reflects the shapes and facades of the surrounding buildings. At night the vents are illuminated to animate the space, and to provide an interesting visual effect looking down from the residential towers and from within the stadium.



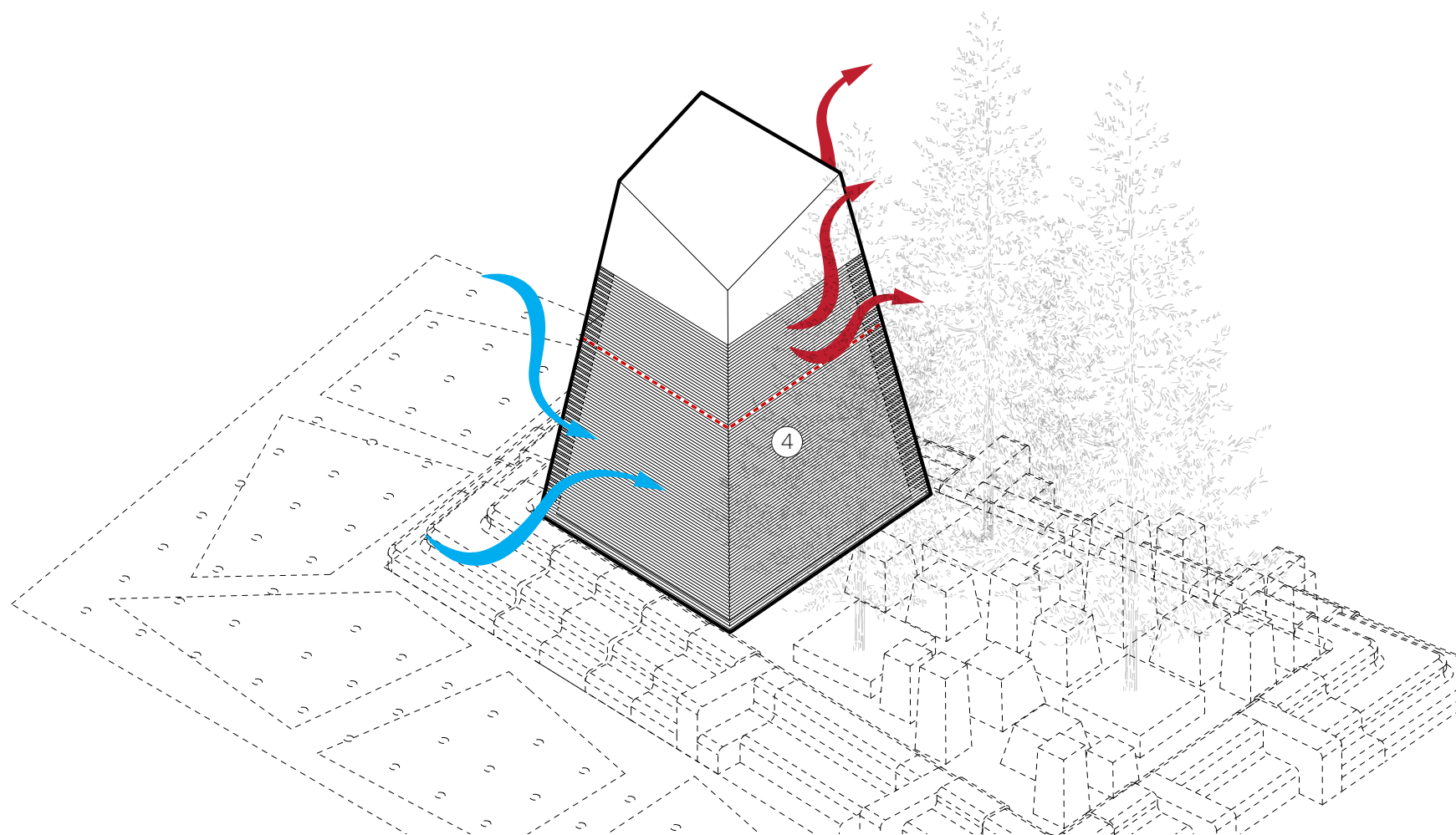
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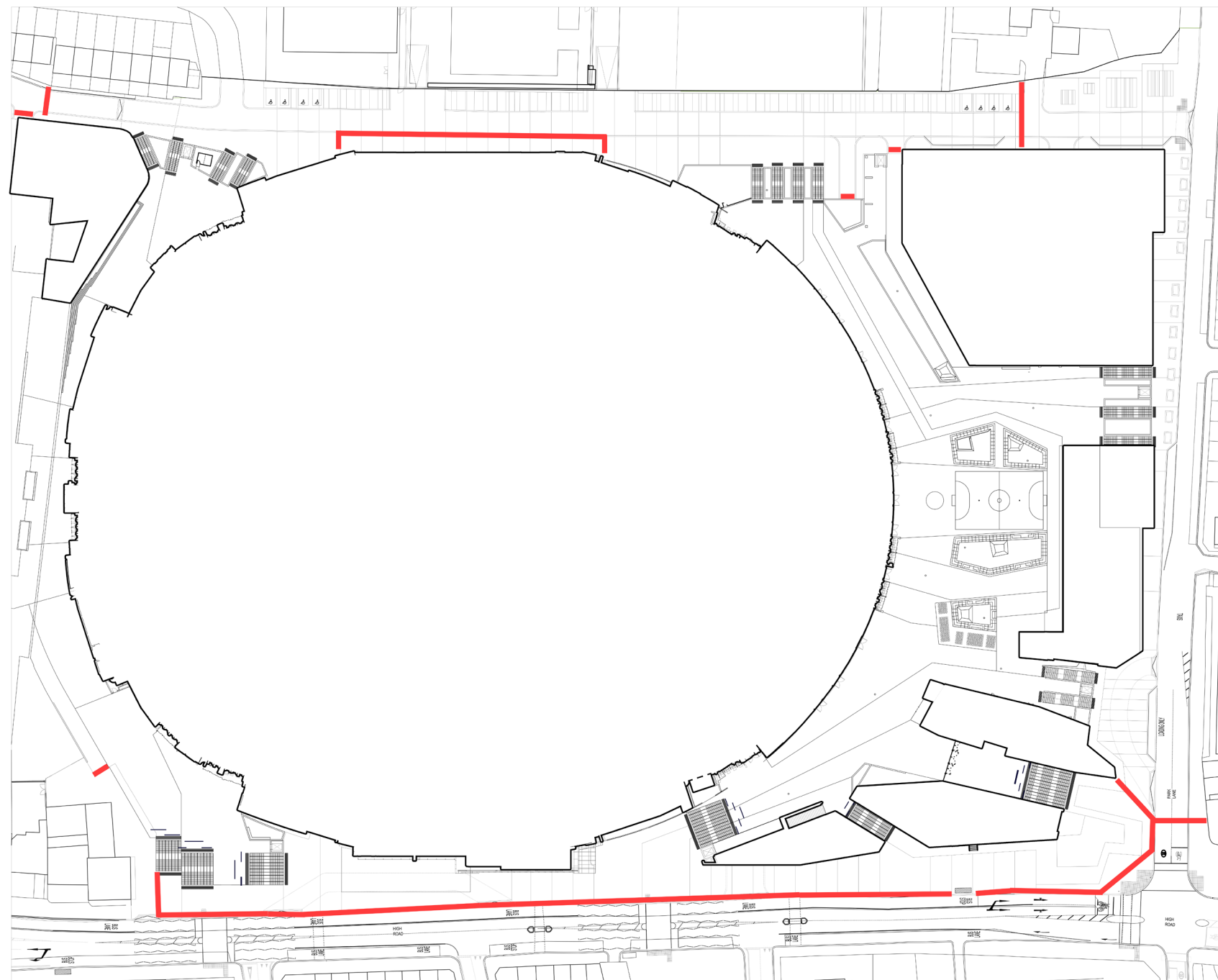
- KEY**
- 1-3. Examples of vent finishes and colours
 - 4. Vents designed as sculptural elements that reflect the Extreme Building architectural shape.

13.11 Security

A number of security elements and associated infrastructure has been included within the design to ensure a safe and secure environment for all its users. These are; CCTV, access control, vehicle security barriers, intrusion detection and good uniform lighting. All of these elements are integrated with a 24/7 operational security control suite, providing alarm and response capability, whilst providing the interface with public, staff, players, community and all emergency services, in the delivery of match and non-match day activities and operational requirements.

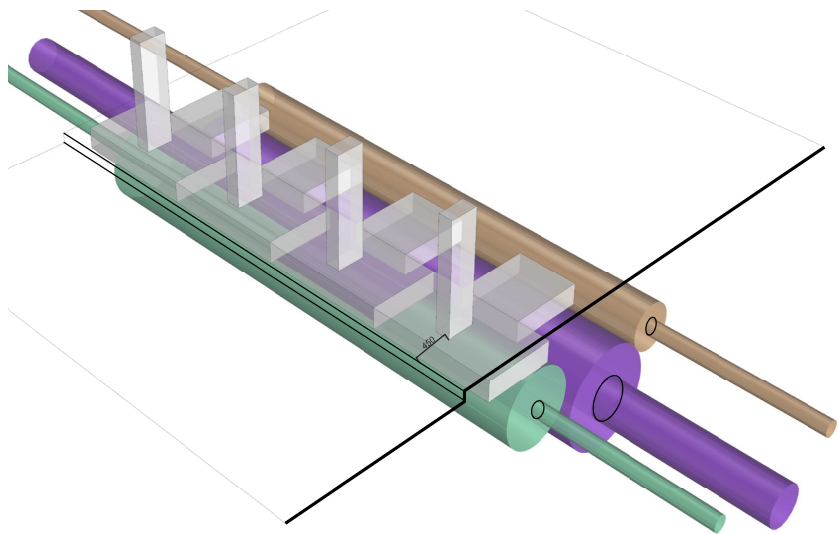
The security elements have been designed to minimise negative visual impact on the public realm, while still providing a safe and secure environment.

ACCESS

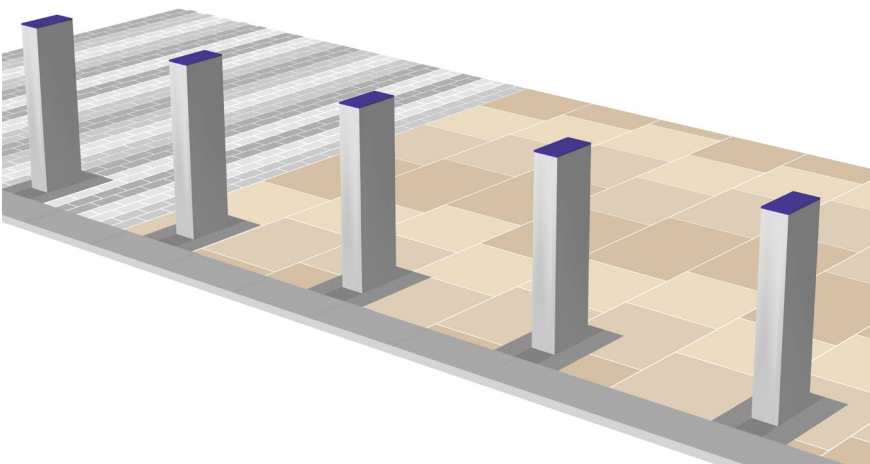


— SECURITY LINE (BOLLARDS)

The public realm area will contain differing security vehicle barriers (VSB) to establish the pragmatic stand-off around the stadium façade. These are Active rising bollards where vehicle access is required, static bollards (designed with shallow mount system to minimise the impact of footings on existing services), to help delineate the safe pedestrian movement areas, and the use of other architectural features such as concrete seating and enhanced bus shelters. All of which are pedestrian permeable enabling free movement to and from the publically accessible areas.



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KEY

- 1 ATG Access shallow foundation VSB installed (graphically) above a cluttered utilities corridor, providing the capability for future access if required (Use current image)
- 2 ATG Access 'Centurion' static bollard which can have the outer steel sheath individually coloured to match the stadium façade detailing, as well as providing a platform for branding (150 by 300mm by 1.1m, with 170mm foundation)
- 3 Architectural concrete seating used in place of bollards (600mm by 1m by 1.5m, with 100mm foundation)
- 4 ATG Access SP 400 rising bollards (209mm by 1m, with 1.5m foundation)

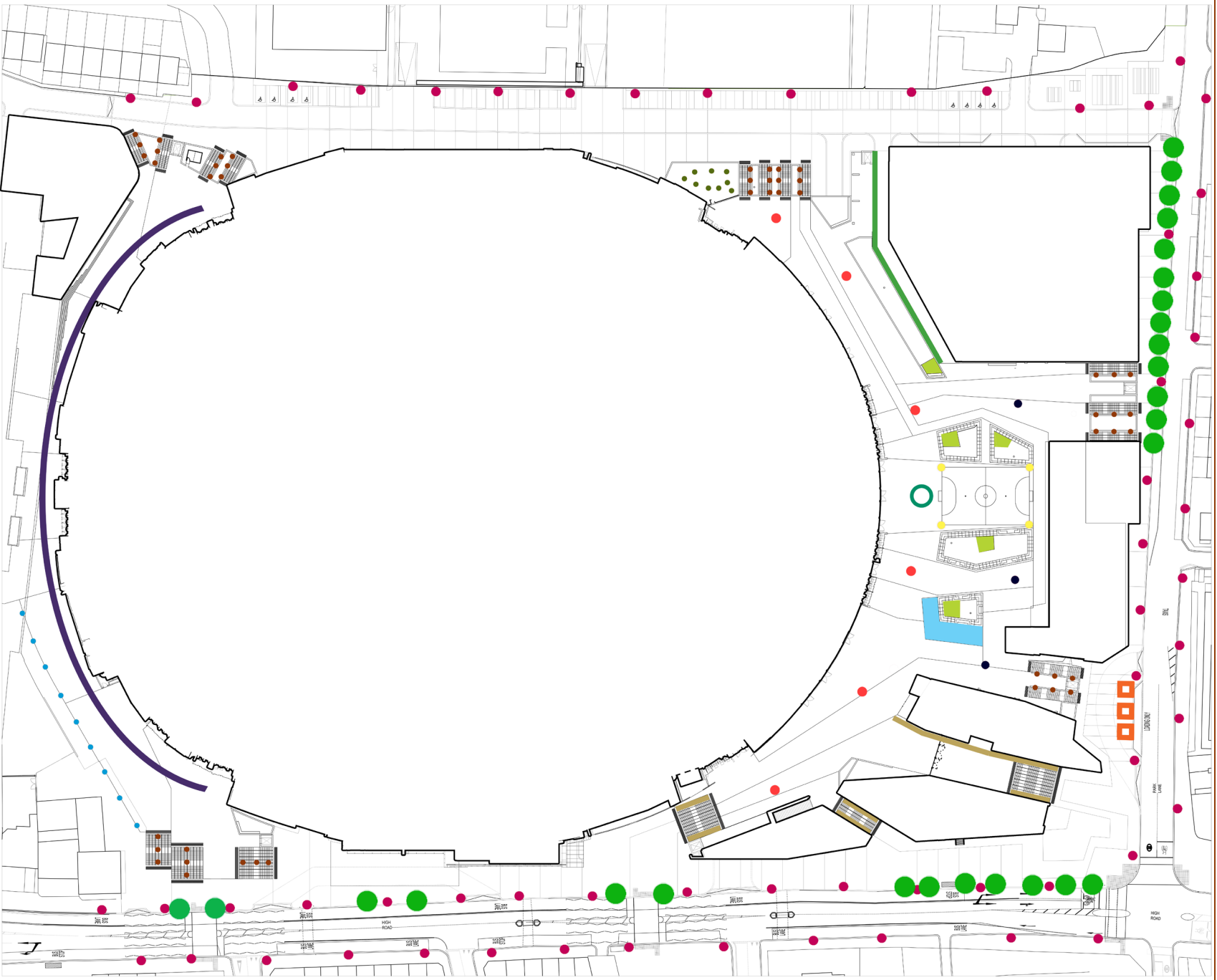
13.12 Lighting

The lighting addresses all relevant codes for stadium and public realm. Aesthetic ighting is provided to add atmposphere and to create an engaging and exciting public realm. This includes uplighting trees, water feature effects, glow lighting in benches and architectural feature lighting.

The design is based on a small number of tall poles, with cluster of light fittings on each pole. CCTV and PA/VA equipment will be integrated on these poles to reduce visual clutter.

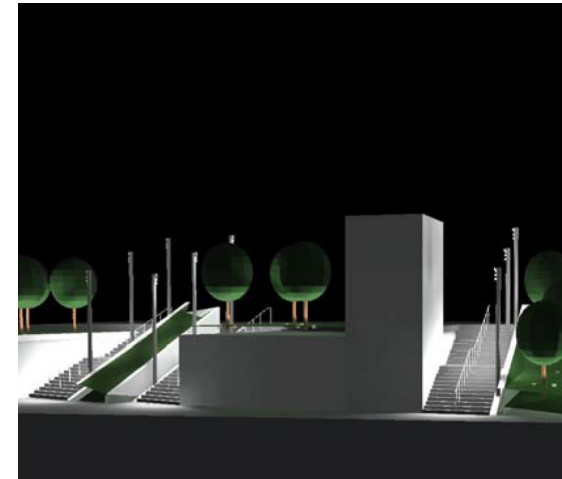
The following outlines key light fixtures, such as poles, stair lighting, feature lighting.

- STREETS**
 - ROAD LIGHTING: 12M COLUMN STREET LAMP
 - LINEAR LED SKIRTING LIGHTS
 - TREES UPLIGHT WITH RECESSED GROUND LIGHTS
- STAIRS/ RAMPS**
 - STAIRS: 6M COLUMN LED SPOTLIGHTS
 - STAIRS: WALL RECESSED SPOTLIGHTS
 - RAMP: 5M COLUMN
 - RAMP: WALL MOUNTED RECESSED LUMINAIRE
- PODIUM**
 - SQUARE: 20M TALL COLUMN LED SPOTLIGHTS
 - SQUARE: 10M TALL COLUMN LED
 - SQUARE: 4M TALL MULTI-USE SPORTS LIGHTS
 - SQUARE: WATER FEAUTRE LED UPLIGHTS
 - SQUARE: ABSAILING 'LANDING PAD' LED RING
 - SQUARE: VENT FEATURE LIGHTING
 - PODIUM GARDEN: PATH GROUND LIGHT
 - NORTH PODIUM: UNDERSIDE FACADE FLOOD LIGHTS





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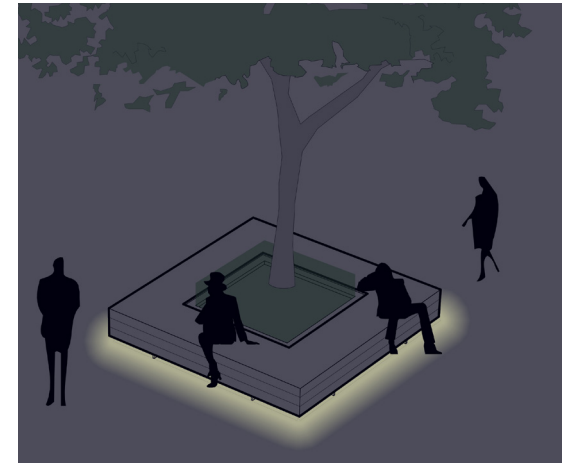
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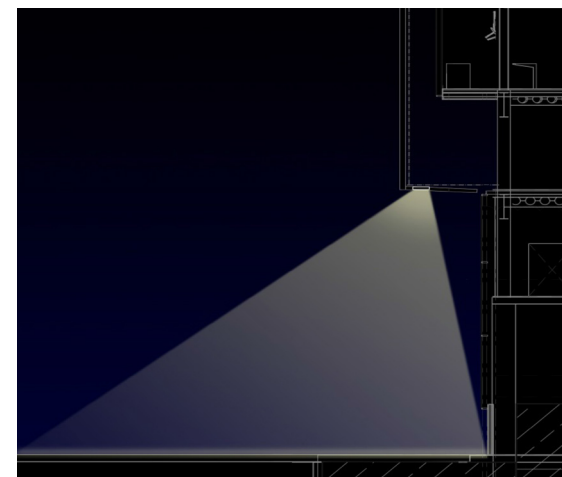
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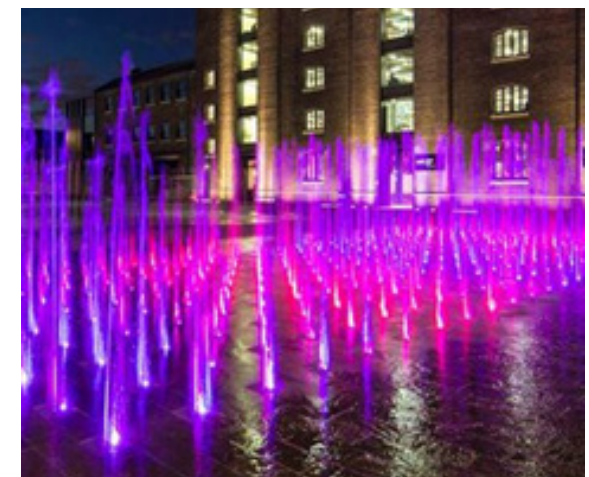
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KEY

- 1 Road lighting (precedent: Exhibition Road)
- 2 Ground recessed uplighting to trees
- 3 Stairs lighting: column, LED spots lights
- 4 Linear LED skirting lighting
- 5 North Podium: Flood light, mounted to underside of facade
- 6 Tall column LED spotlights (precedent: Kings Cross Station)
- 7 Waterfeature, umping jet LED uplights

STREET LIGHTING

The Proposed street lighting scheme to the perimeter of the stadium development has been designed to enhance the public realm and illuminate it in a manner consistent with the site wide public realm strategy.

All three roads have been designed to be lit to class ME3 and lit to comply with BS5489-1. High Road A1010 as well as Park Lane is lit to 20lux average, with a uniformity of 0.4. Worcester Avenue has been lit to 15lux average with a uniformity of 0.4

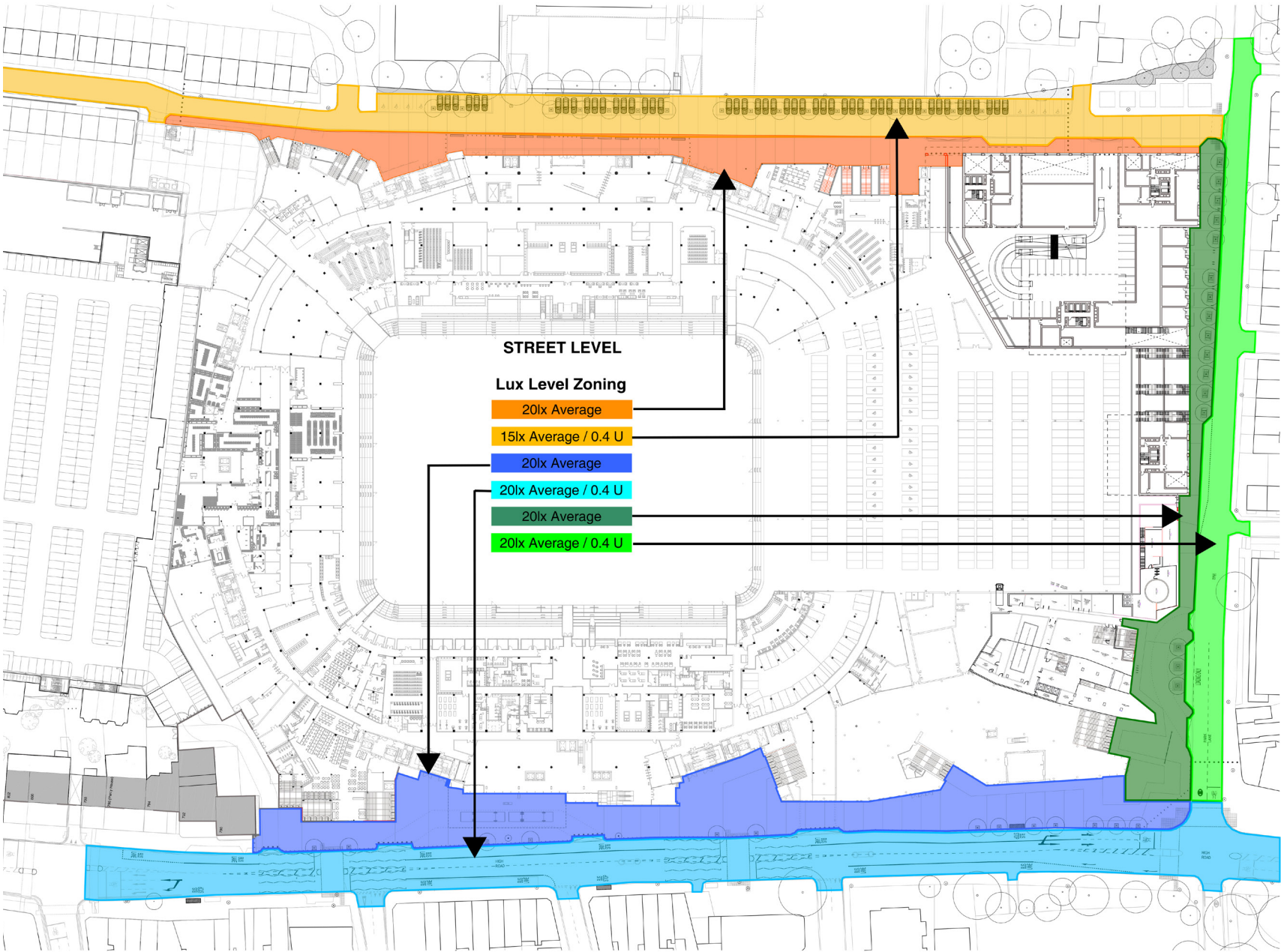
All three of these streets feature LED luminaires and are proposed to feature control gear allowing for elevated light levels on match day if required.

Street illumination is provided by LED luminaires mounted to 12m tall columns, with A1010 and the west part of Park Lane also featuring secondary luminaires mounted at 7m to illuminate the sidewalks.

All perimeter sidewalks, being considered conflict zones due to the large number of occupants on match day have been lit to 20lx average with the ability to be dimmed to higher or lower levels it required.

The lighting scheme to these roads have been designed with a view to causing minimal detrimental impact to crowd flows along the pavement.

The scheme also offers the possibility to integrate bins, signage & seasonal decorations to light columns to minimize the need for additional permanent fixtures to the public realm.



PODIUM

The lighting scheme for the podium features 6x 20m tall and 3x 10m tall columns, each with a large number of small directional LED luminaires that makes it possible to reach the very stringent light level and uniformity requirements of 30lux, 0.4U that area required for crowd safety and licensing purposes for this area.

The fact that these columns feature multiple small luminaires rather than a fewer higher powered ones means that glare and luminaire intensity can be kept low without relying on indirect reflected light usually employed in this type of environment. London's Kings Cross was used as a case study for this approach.

Lighting to the podium stairs are illuminated using two different approaches governed by the various site constraints.

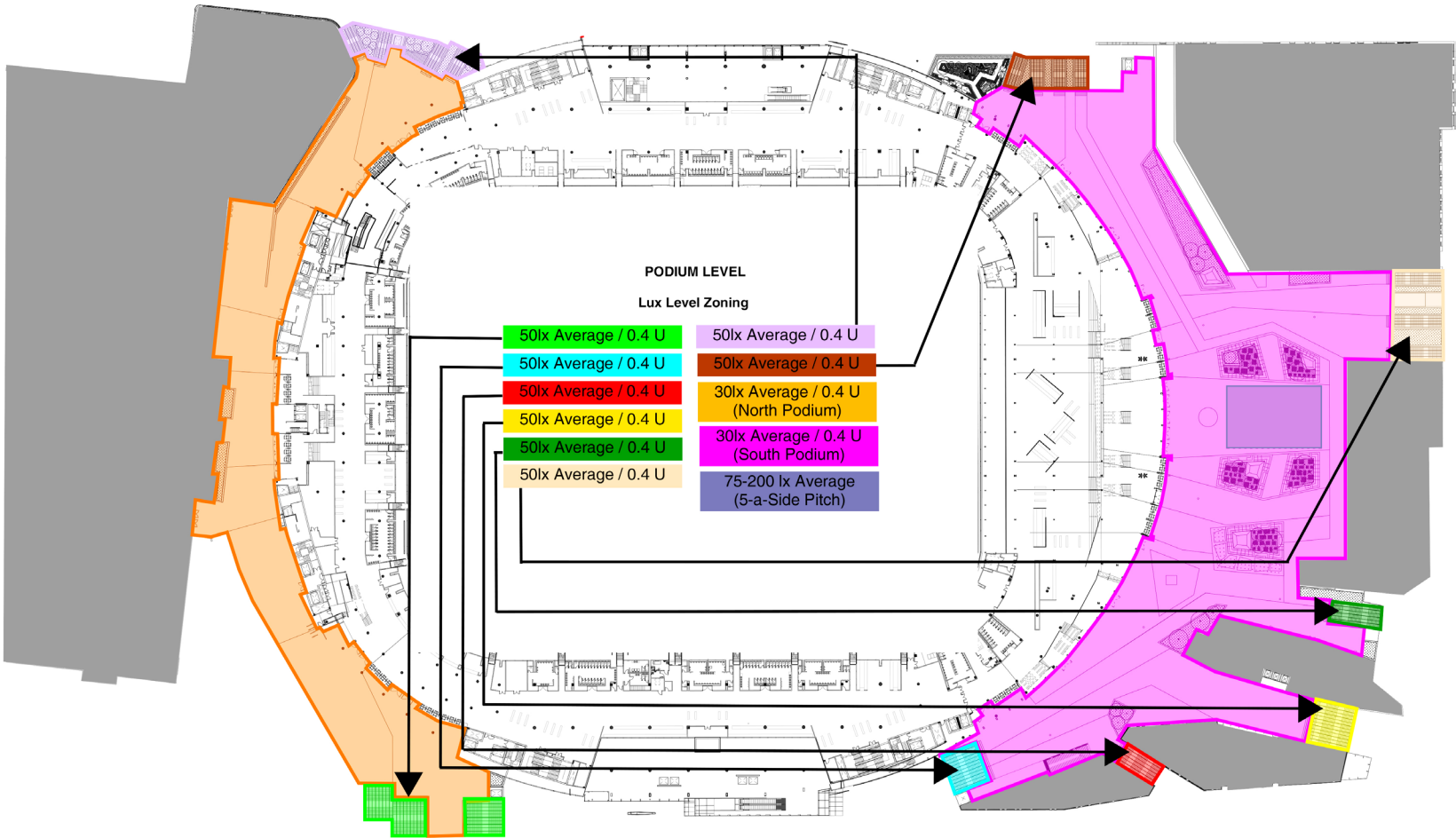
The majority of the stairs are lit with 6m lighting columns mounted either to one side of, or in the centre of the stairs. These columns feature the same array of smaller LED luminaires as the tall podium columns.

Some of the podium stairs do not have the space available for columns as they are flanked by buildings. In these instances illumination to the stairs are provided from multiple LED floodlights mounted in a façade recessed slot detail to the adjacent buildings.

All stairs are lit to 50lux with a uniformity of 0.4 with the ability to be dimmed to higher or lower levels as required.

Further to the functional lighting to the podium additional low level lighting is used to highlight landscaping features, plants and trees; thus creating an inviting, safe and comfortable public realm environment.

Due care has been take to minimize light spill and glare from the podium lighting with regards to occupants as well as adjacent properties.



13.13 Public Art

ART OPPORTUNITIES

THFC welcome the opportunity to engage with artists to enrich the public realm. The scale of the approaches to the new stadium offers various opportunities for considered, integrated artistic expression with the landscaping, architecture and lighting for the public spaces.

Art in the public realm embraces a wide range of art forms, scale and medium - from permanent site-specific sculptures, to temporary installations or interventions that excite and challenge our perceptions. Art has a part to play in the successful regeneration of communities and helps encourage local people to embrace new ideas and skills, to develop a sense of ownership and belonging; make decisions about their locality and engage with the THFC and sport in an art form.

The incorporation of art can be done at many levels of involvement. The artist's involvement can range from artists being involved in the design process to installing works of completed, stand-alone permanent pieces. Art can also be permanent, semi-permanent, temporal, and ephemeral and can be permanent or rotating exhibits.

Most important is that the incorporation of art in the public realm must be part of a coordinated and curatorial process that should be headed by a singular committee. This entity should be directed by someone who has past curatorial experience and is particularly interested and knowledgeable in the specific area of sculpture, and understands the technical requirements for the engineering and installation of art works.

COMMISSIONING PROCESS

Haringey Council – Public Art Policy:

Haringey has a successful and inspiring programme for public and community arts projects and will require under the S106 agreement an arts strategy which will address their own aspirations as well as the developers. As detailed in the Council's Supplementary Planning Guide Haringey Unitary Development Plan Consultation Supplementary Planning Guidance (SPG) Sustainable Urban Design Standards: Urban Design SPG 1a Design Guidance and Design Statements <http://www.haringey.gov.uk/spg1a.pdf>

Public Art in new or existing schemes adds diversity to the Borough and to individual developments, whether on site or in the immediate vicinity. Careful integration of art within a development and linking it to the public realm has advantages for the developer, users of the facility and for passers-by. Public

art can enhance a building and its environs by promoting local character and identity, by making a development more user -friendly and thereby increasing its prestige, by being part of an urban design strategy and helping promote further improvements to environmental quality and by assisting long term

URBAN REGENERATION

The recent Haringey Local Plan Draft Development Management Policies Consultation Document of March 2013 reiterates the support for engaging and integrated public art opportunities and the area already demonstrates many successful events and projects, whilst drawing on the support of Design for London and Urban Design for London Haringey to deliver projects.

ART APPROACHES

Site - Specific Art

The artist would be responsible for the building of the site-specific installation. The designers of the project would allocate areas where this approach would be appropriate. The art consultant appointed to manage the art commissions would be responsible for preparing a detailed artist brief which clearly states the client and design team's aspirations, the artists' roles and responsibilities', contractual and programming obligations and a staged approval process. The appointment of the artist/s would follow the best practice for commissioning site specific artists for the public realm and will stipulate a selection process which the arts curator will facilitate.

The arts curator will carry out research for each artistic opportunity identify and produce a long list of appropriate artists for the project. This will include drawing from their own artist database but also research in to local, national and international artists, those whose careers are emerging or already internationally established. The determining factors for the artist selection will be that they are the right artist for the commission and selected by an Arts Panel set up to support the process.

Artists as Designers

One way to incorporate an artist's skills is the incorporation through the design process, where particular for elements that are needed to be designed and built for the completion of a project that are “earmarked” to be designed by an artist but not necessarily manufactured or crafted by them. This

may include light installation, or the use of specific material, such as ceramics that would be integrated into the work of the landscape architect.

Outdoor Sculpture Commissioned for a Specific Use:

An artist would be appointed to develop a concept design which is site specific and responsive to the history and aspirations of the club, its players and supporters. Once the concept is formally approved the artist would develop a detailed design in collaboration with structural engineers, fabricators and the relevant design team members.

Outdoor Sculpture Commissioned as a Stand-Alone Piece

This is a high profile and important commission for the stadium where the sculptural artworks realised will look to create a sense of arrival and mark points of departure. A major feature of this commission would be for light to be a key component ensuring a day to night-time significance.

This project offers an opportunity for the artist to contribute to wayfinding, potentially through sequential artworks, which will create a visual thread to draw people into, and through the site/stadium. Views and vistas are to be explored with consideration given to the detailed design of the architecture and landscaping.

With evening games providing an active evening and night-time activity this project has the potential to become a beacon but also to contribute a sense of well being and delight. Additionally, if appropriate locations are approved, there is the potential for one or more of the artworks to become a recognised meeting point.

The collaborative nature of this commission is vital to its success; concept development work will be carried out in partnership with the design team, and clients.

Artist in Residence

A residency commission allows for an artist to spend a longer period of time, for example 12 – 24 months, working with the design and client teams as well as the local council to create an arts project where engagement with local communities is an integral part of the process. The outcomes may vary and could be a temporary project which has a web based legacy but might have a permanent artwork resulting at the end of the project.

Artists with specialist craft or skill

Linked to the design of public realm elements, the tangibility and quality of a space can be enhanced by utilising an artist who is highly skilled in a specific form of art or use of material. It may be small insertions, use of colour, applications of surfaces etc.

that contributes to the uniqueness of a project. Given the importance of brand associated with football clubs, the use of this approach would contribute to the presence of THFC along the streets and podium.

Temporary Installations

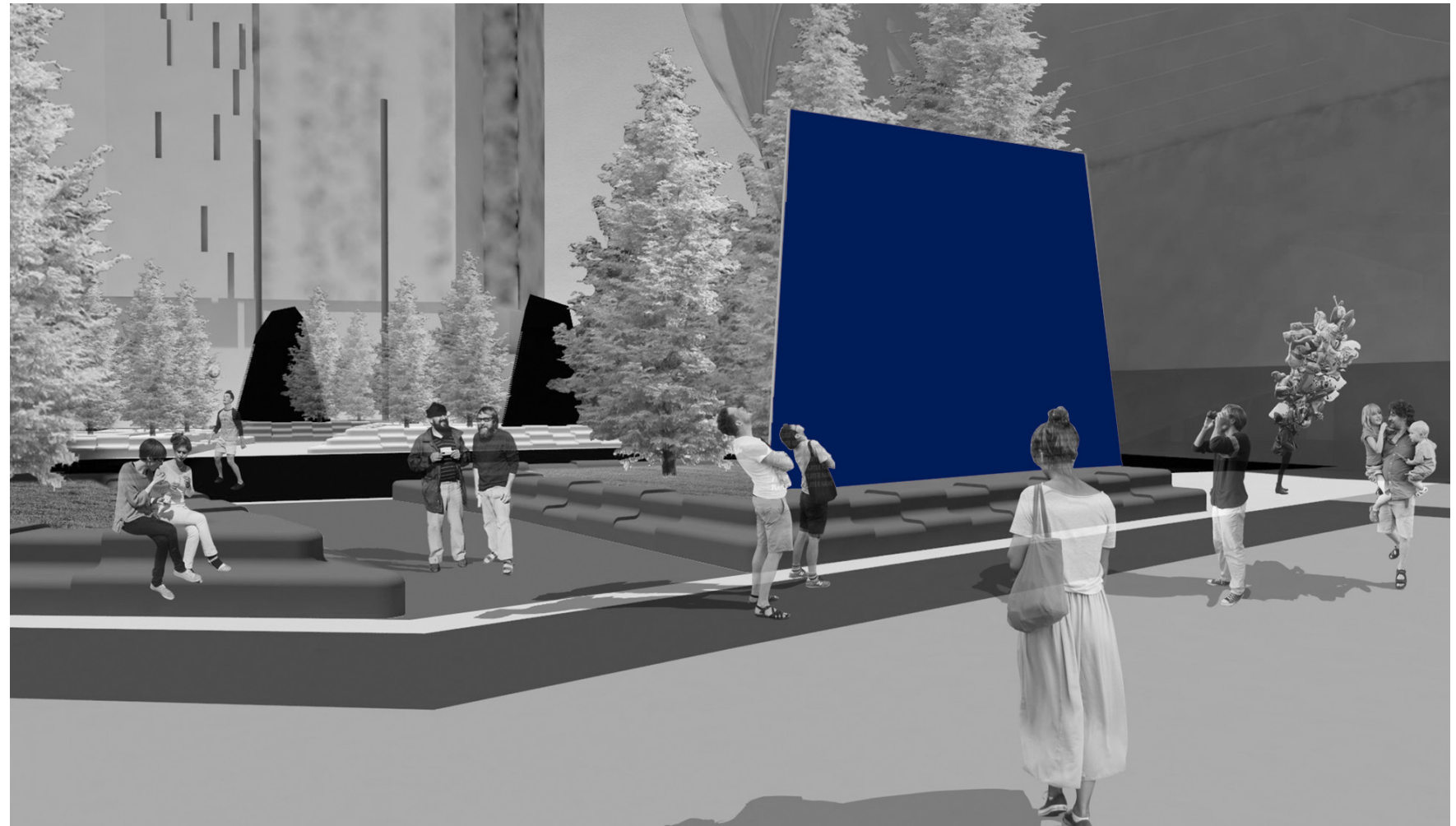
Potentially linked to the artist in residence approach, where an artist or multiple artists are engaged to work with the community, to engage people in a creative way to enhance the experiences, vibe and wellbeing of a place and community. This could be in the form of dance, performance, acting; chalk painting on the Square, the list is endless and open to the creativity of those involved.

To capture an essence of THFC and it's supporters. The commission would detail a requirement for the artist to engage with communities, explore the wider area of THFC to highlight and respond to the unique character of the club and area, the aspirations of the clients, and create a genuine connection to place and people. This commission and process of engagement will result in a series of 'Spurs Stories' which will be curated and could be exhibited on site or via the website.

ADDITIONAL FUNDING MECHANISMS

Arts Council & Heritage Lottery

There are a limited number of funding mechanisms available but for a project of this scale and significance it would appeal to all. There are grants such as 'Sharing Heritage', 'Our Heritage' and 'Young Roots' which would be considered for each arts commission identified.



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KEY

1 Art Opportunity: Wind mitigation wall on the South Podium Square as surface for art. Examples outlined below:

2 Figurative: Freedom Sculpture, Philadelphia. Artist: Zenos Frudakis

3 Kinetic: Chicago Millenium Park. Artist: Jaume Plensa

4 Pattern: Villa Nurbs, Girona. Designer: Enric Ruiz Geli, Manufacturer: Ceramica Cumella



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