

Lighting Report Vastern Road, Reading



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Issue Status: Planning Application

Project Number: 1108

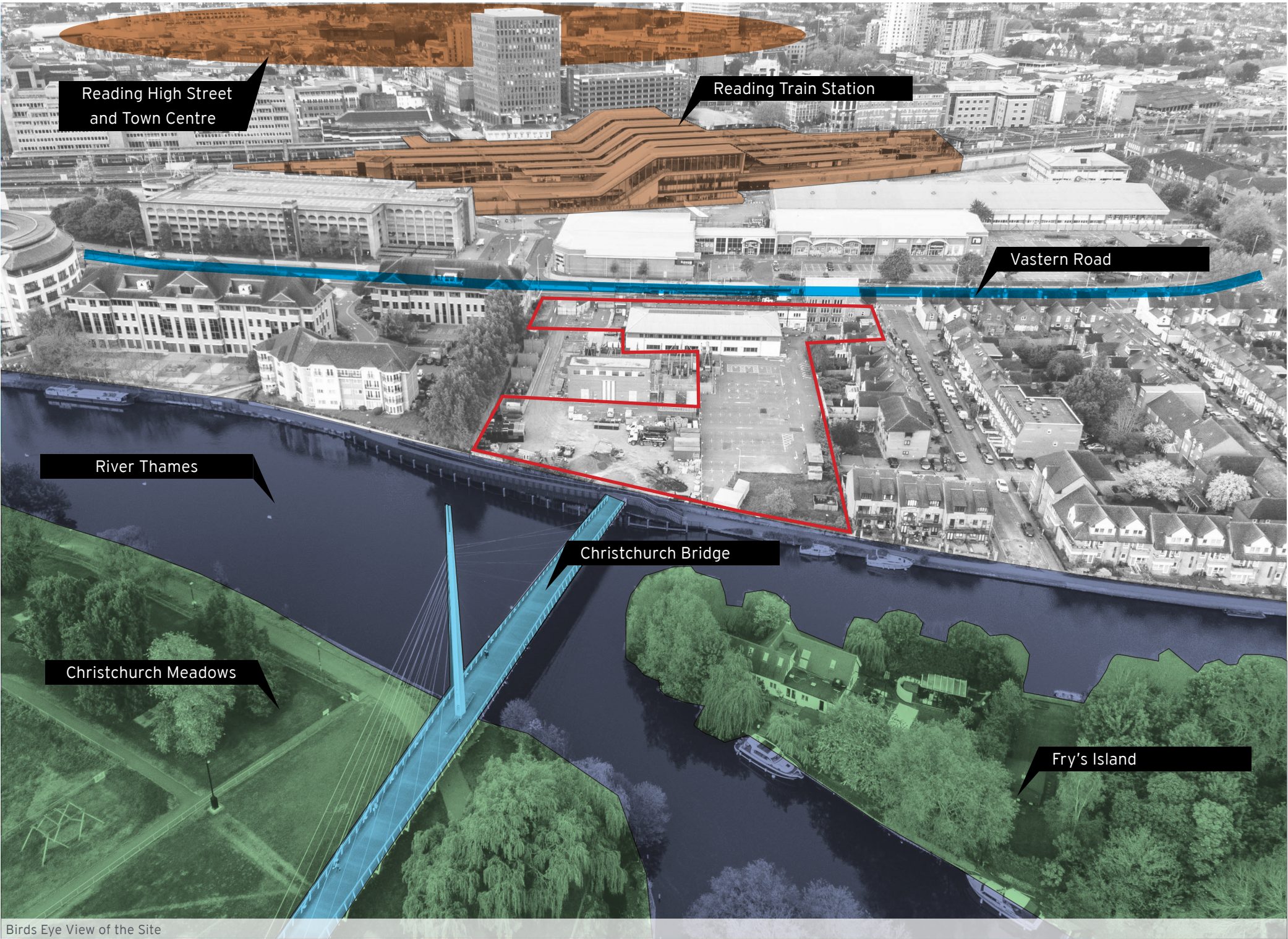
Date: 21/11/24

Client: Berkeley Homes

LB_1108_LR_01_Lighting Report

1. Introduction

1.1 Project Scope, Location and Context



Birds Eye View of the Site

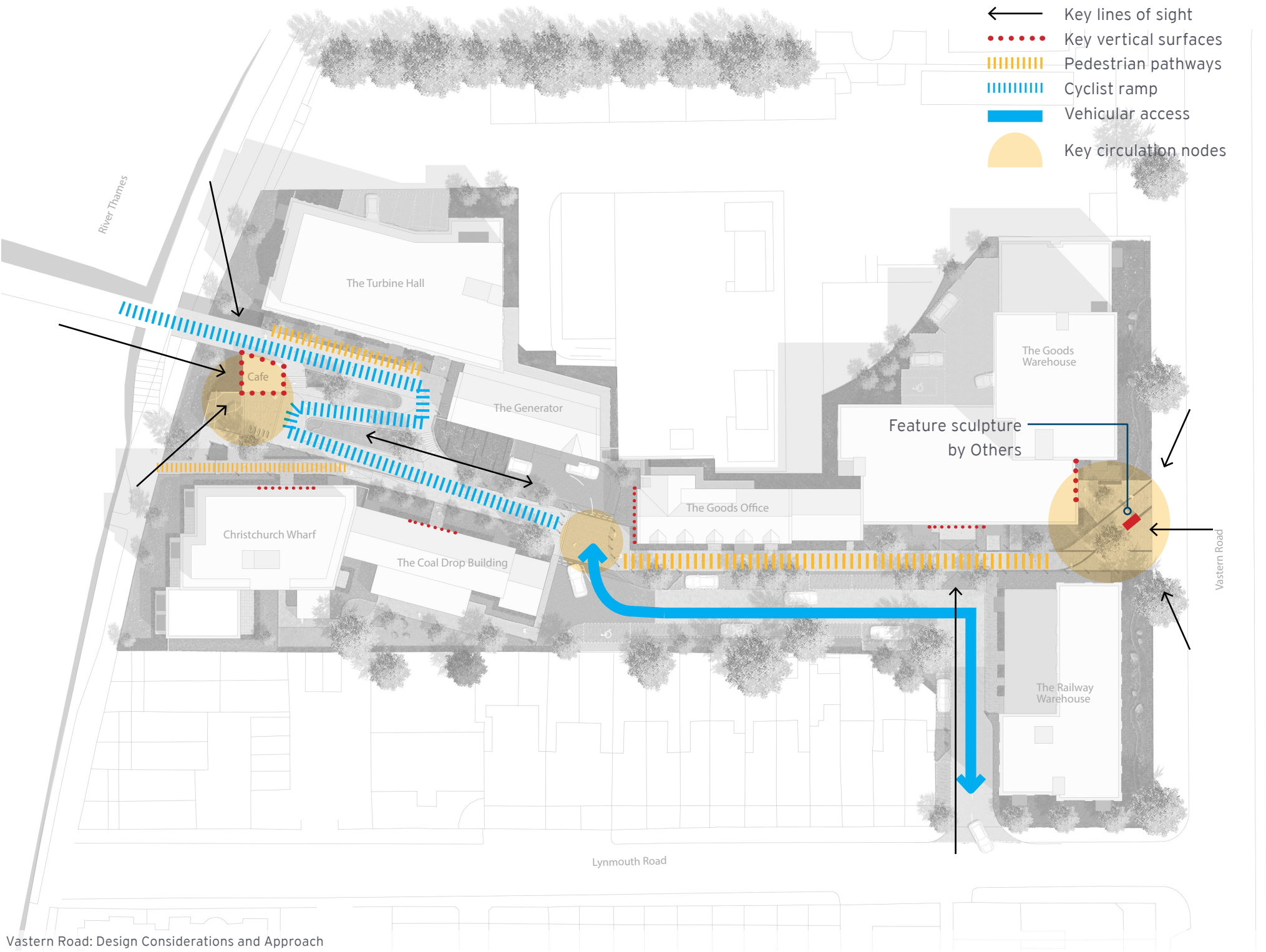
The following lighting report outlines Light Bureau's exterior lighting strategy for the planned Vastern Road development in Reading. The development's location provides the opportunity to create a direct connection for Christchurch bridge and the river Thames with the train station and town centre through the site. Therefore the design of the public realm in terms of circulation routes and entrance points would be key in enabling this connection.

The presented site-wide strategy aims to support the new development in activating the area and establishing a strong link between the town centre and the river while providing a comfortable and safe environment for its inhabitants. Special attention is paid to the close proximity of the river channel and its diverse ecosystem.

The report was prepared for approval of details reserved by conditions 32 and 45 in relation to permission LPA ref. 200188 / Appeal ref. APP/E0345/W/21/3276463 (granted on 17/03/2022) varied under Section 73 of the Town and Country Planning Act 1990 (as amended) application number 231673 (granted on 27/03/2024).

1. Introduction

1.2 Design Approach



A key consideration for the lighting design approach has been the use of minimal interventions to create a well illuminated safe environment that is also pleasant, unobtrusive and ecologically responsible.

We identified a few characteristic areas with their particular look and lighting needs:

Vastern Road Arrival Square - This is the first impression of the development when arriving from the city centre and train station. Exposed to spill light from the main road's high post top lighting it should create balanced ambience for the illuminated features to stand out and improve the impression of brightness without over illuminating the space. The **Avenue and pedestrian pathways** create the link between the city and river when crossing the development. They also offer the opportunity to slow down and enjoy the array of trees framing the pavements.

On the opposite side of the development's broad meandering **Bicycle Ramp** and stairs connect with the brightly illuminated Christchurch bridge. The **Garden Cafe and Riverfront** are located directly adjacent to the ecologically sensitive river area and therefore require a cautious approach with minimal or none lighting interventions.

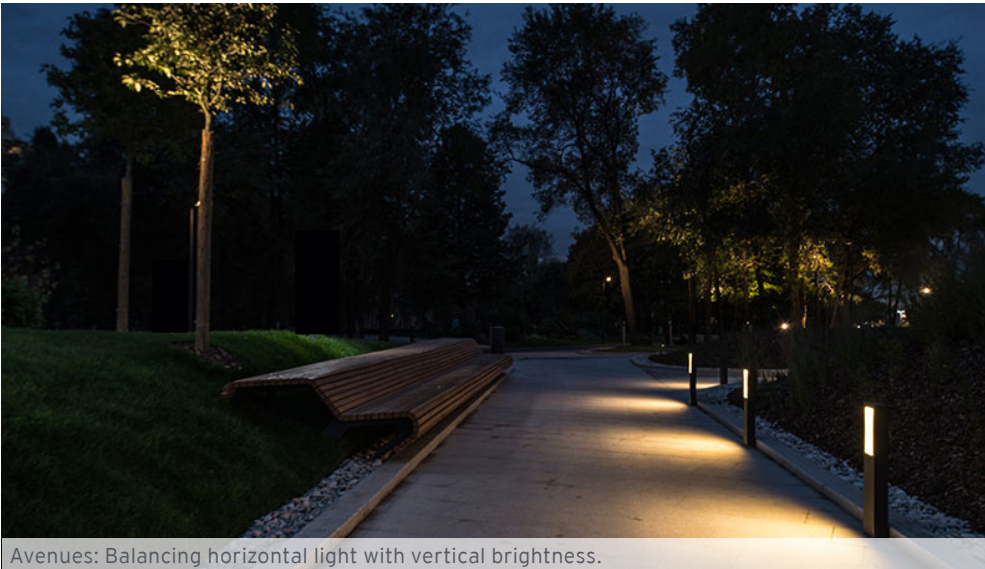
The development is completed with **Vehicular Access** streets, parking as well as **Private Pathways** for access to the residential entrances. Following the principle to add minimal interventions the lighting concept for these spaces should be optimised to provide the necessary amenity lighting for a safe and comfortable environment while causing minimal light trespass and blending organically with the built environment.

1. Introduction

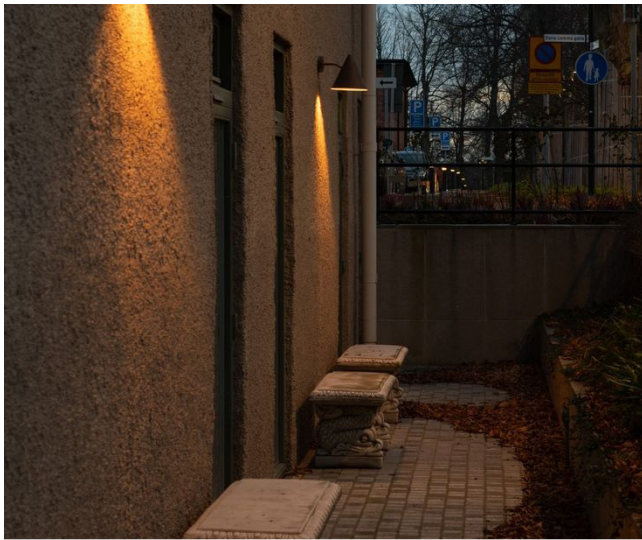
1.3 Inspiration



Arrival Square: Crating a balanced ambience for the illuminated features to stand out and improve the impression of brightness without over illuminating the space.



Avenues: Balancing horizontal light with vertical brightness.



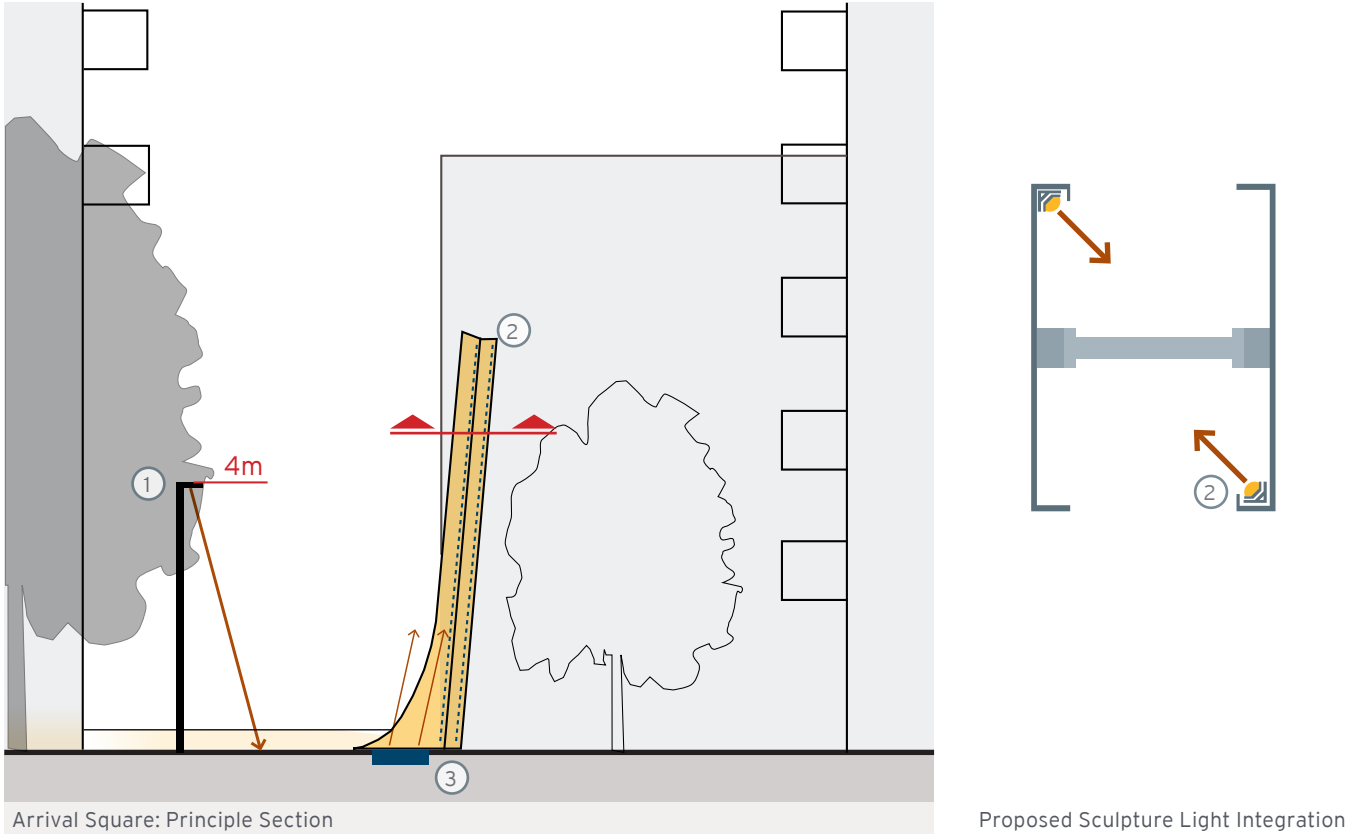
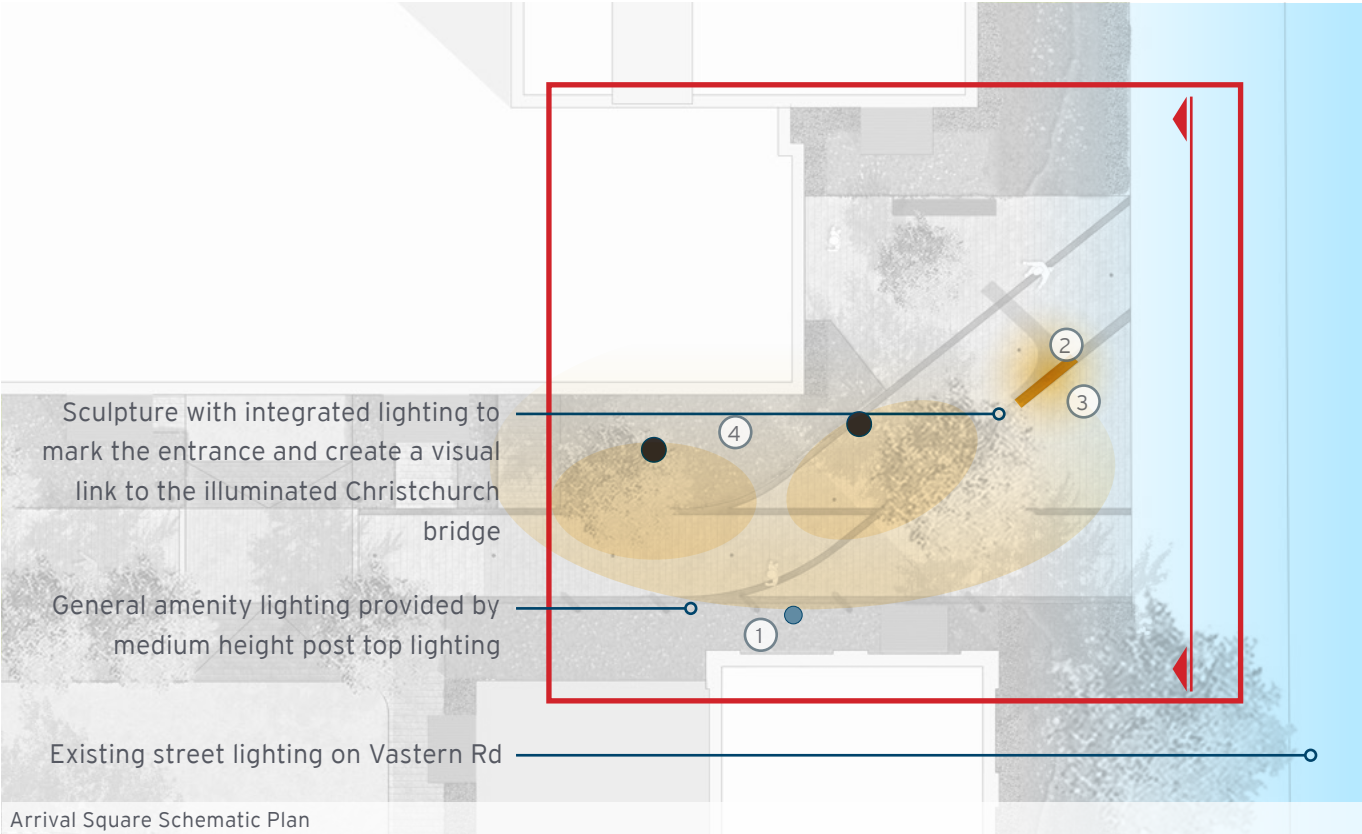
Garden Cafe: Discrete accents with minimal ecological impact.



Vehicular Access: Medium high light columns providing amenity lighting to the street and cycle ramp.

2. Lighting Design. Characteristic Areas

2.1 Vastern Road Arrival Square



Reference/Product: P01-B2/DWWindsor Daytona 450

Description: 4m tall light column, high-performance post-top luminaire with rear shield. 13W, 1653lm, 3000K and B2 street asymmetric optic.



Reference/Product: L02/ Ledflex Ultimo Neon

Description: Flexible encapsulated linear luminaire for concealed integrated installation in sculpture. 12W/m, 672lm/m, 3000K, dot-free diffuser.



Reference/Product: U02 / Lightgraphix LD34

Description: Ground recessed linear LED uplight with precise optical distribution and integrated glare shield. 12W, 814lm, 3000K, narrow beam angle TBC.



Reference/Product: B01/DW Windsor Kirium Pro 200 Bollard

Description: 1m tall Lighting bollard with high vandal and impact resistance and low glare shielded optic. 20W, 2100lm, 3000K, narrow asymmetric optic.