

**Kier Property  
Reading Gateway**



**External Lighting  
Design Report**

|          |                                                                 |
|----------|-----------------------------------------------------------------|
| Issue No | 08                                                              |
| Author   | MLC/IML                                                         |
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| SUB SECTION | DATE       | AMENDMENT                                                                                                            |
|-------------|------------|----------------------------------------------------------------------------------------------------------------------|
| REVISION    |            |                                                                                                                      |
| 01          | 08/12/2016 | Initial Issue                                                                                                        |
| 02          | 18/01/2017 | Text amended                                                                                                         |
| 03          | 19/01/2017 | Site background amended                                                                                              |
| 04          | 21/08/2017 | Revised to include site amendments, phasing drawing added, condition 70 added                                        |
| 05          | 05/09/2017 | Revised to include minor column re-locations to avoid tenant signage with supporting isolux plan and phasing drawing |
| 06          |            | withdrawn                                                                                                            |
| 07          | 09/10/2017 | Drawings updated for tree pit.                                                                                       |
| 08          | 13/03/18   | Hotel Façade lighting added                                                                                          |

1.0 INTRODUCTION

JDP have been commissioned by Kier Property to design the external lighting for the car park areas, access roads around the proposed retail development at Reading Gateway and façade lighting of the Hotel unit.

The lighting for the new spine road is agreed with Reading Borough Council under the S38/S278 Technical Approval. The lighting design for the MRT will not be agreed under the S278 works as these works are not part of these contract works but are being carried out by Reading Borough Council as a separate contract, and separate technical Approval submission although the proposed external lighting for the entire scheme is to be coordinated.

The scheme has been granted Planning Permission, subject to certain conditions being met. The conditions relating to the external lighting for the site are highlighted below.

2.0 RELEVANT PLANNING CONDITIONS

| Condition 68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>68. Prior to commencement of the relevant part within the Detailed Element, a report detailing the external lighting scheme and how this will not adversely impact upon wildlife shall be submitted to and approved in writing by the local planning authority.</p> <p>The report shall include the following figures and appendices:</p> <ul style="list-style-type: none"><li>• A layout plan with beam orientation</li><li>• A schedule of equipment</li><li>• Measures to avoid glare</li><li>• An isolux contour map showing light spillage to 1 lux both vertically and horizontally and areas identified as being of importance for commuting and foraging bats.</li></ul> <p>The approved lighting plan shall thereafter be implemented as agreed. Reason: To ensure that wildlife is not adversely affected by the proposed development in line with Core Strategy Policy CS36.</p> |
| Condition 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <p>70. None of the units hereby approved within the Detailed Element shall be occupied until details of external lighting of the site (road side lighting, pedestrian routes and communal areas) have been submitted to and approved in writing by the Local Planning Authority and the lighting implemented in accordance with the approved details.</p> <p>The external lighting shall then be maintained as approved.</p> <p>Reason: In the interests of pedestrian safety and the convenience of future residents in accordance with Core Strategy Policy CS7 and Sites and Detailed Policies document Policy DM4 &amp; DM12</p>                                                                                                                                                                                                                                                            |

3.0 PROPOSED EXTERNAL LIGHTING SCHEME DESIGN

In designing the all proposed external lighting, a number of different factors were taken into account. Primarily the car park lighting scheme has been designed to meet the recommendation of BS 5489-1 2013 Code of Practice for the Design of Road Lighting – Part 1: Lighting of Roads and Public Amenity Areas. This document makes recommendations for illumination levels, uniformity values and glare control.

The car park lighting has been designed to achieve an average lighting level of 20 lux across the car park and access road areas, with an overall uniformity ratio of 25%.

The façade lighting to the outside of the Hotel unit is purely aesthetic to provide a column of light onto the building from each of the eight luminaires (for on each façade).

In addition to the recommendations given within the above standard, the following publications were referred to in order to try and minimise the impact on local wildlife in general and bats in particular:

The Royal Commission on Environmental Pollution – Artificial Light in the Environment  
Bat Conservation Trust – Artificial Lighting and Wildlife – Interim Guidance: Recommendations to Help Minimise the Impact Artificial Lighting

The general guidance taken from the above documentation relating to minimizing the impact of artificial lighting on wildlife, together with the response included within the design for the scheme is indicated below:

- **Minimise the spread of light** to at, or near horizontal and ensure that only the task area is lit. Flat cut-off lanterns or accessories should be used to shield or direct light to where it is required. - The luminaires proposed for the car parking scheme have zero upward light output and excellent control of downward light distribution. The façade lighting has a very restricted beam diffusion, specifically directed to illuminate the building.
- **Consider the height of lighting columns.** It should be noted that a lower mounting height is not always better. A lower mounting height can create more light spill or require more columns. Column height should be carefully considered to balance task and mitigation measures. - Column height has been selected to maximise efficiency of the scheme.
- **Consider no lighting solutions where possible** such as white lining, good signage and LED cats eyes. - Only the areas in the car park that actually require lighting have been lit.
- **Limit the times that lights are on to provide some dark periods.** - New lighting will be provided with both photocell and time-clock control, although hours of operation will need to consider the needs of tenants on the site as well as security and safety. Hotel façade lighting will operate throughout the night.
- **Use narrow spectrum light sources** to lower the range of species affected by lighting. - All light sources on the car park lighting scheme will be of the same colour temperature. All external luminaires will be LED type sources to limit the spectrum of light introduced to 4000 kelvin (white). Hotel façade lighting shall not exceed 4000 kelvin but selected to meet the tenants requirements.

- **Use light sources that emit minimal ultra-violet light** – LED sources have been selected with minimal or zero ultra-violet output.
- **Lights should peak higher than 550 nm** - The LEDs have a good CRI in excess of 70 and their peak output is above 550 nm with the colour output selected.
- **Avoid white and blue wavelengths of the light** spectrum to reduce insect attraction and where white light sources are required in order to manage the blue short wave length content they should be of a warm / neutral colour temperature <4,200 kelvin. – The car park lights have been specified with a colour temperature of 4000 kelvin, façade lighting will not exceed 4000 kelvin.

Light sources selected are LED with a colour temperature of 4000 kelvin. This is to try and maximise efficiency whilst providing good colour rendering and meeting the recommendations for minimizing impact on wildlife.

Luminaires are to be mounted on 6 metre columns as this was generally felt to be the most appropriate height for the site in terms of achieving the most efficient layout and considering light spillage and on-going access for maintenance.

The lighting design has tried to ensure that light is only distributed towards roadways and footpaths with minimal light falling on any soft planted areas within the development.

#### 4.0 PHASED INSTALLATION

The external lighting installation shall be phased to meet the overall construction programme. At completion of any phase, all of the external lighting within that phase, and any phases preceding shall be fully operative.

The phasing shall be as indicated in the attached phasing drawing. Phase 1a shall be the first phase incorporating Unit C. Phase 1b shall follow and shall include retail units A, B and E together with the hotel, coffee house and restaurant (retail unit D is not indicated as this is subject to a separate planning consent, No 162257). Phase 2 includes the Trade City and Trade Counter buildings and Phase 3 includes the two car showrooms.

#### 5.0 PROPOSED LUMINAIRES

Details of the luminaires proposed for the development are indicated below:

#### 5.1 Schedule of External Luminaires

|    | PRODUCT NAME/ DESCRIPTION                                                                                                                                                                                                      | MANUFACTURER                                                                                    | PHOTOGRAPH                                                                            |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| X1 | 30 x 2 Watt LED roadway lighting Luminaire with variable optical distribution and 4000k colour temperature and integral photocell controller mounted on a 6 metre tubular steel column.<br><br>Ref: Kirium 2                   | DW Windsor<br>Centre Pindar Road<br>Hoddesdon<br>Herts<br>EN11 0DX<br><br>Tel: 01992 474600     |    |
| X2 | 2 x 30 x 2 Watt LED roadway lighting Luminaire with variable optical distribution and 4000k colour temperature and integral photocell controller mounted on a double headed 6 metre tubular steel column.<br><br>Ref: Kirium 2 | DW Windsor<br>Centre Pindar Road<br>Hoddesdon<br>Herts<br>EN11 0DX<br><br>Tel: 01992 474600     |    |
| Y1 | 108 Watt LED external floodlight with 4000k colour temperature and integral photocell mounted on an appropriate wall bracket.<br><br>Ref: Kaskara 2                                                                            | DW Windsor<br>Centre Pindar Road<br>Hoddesdon<br>Herts<br>EN11 0DX<br><br>Tel: 01992 474600     |   |
| Y2 | 108 Watt LED external floodlight with 4000k colour temperature and integral photocell mounted on an appropriate wall bracket.<br><br>Ref: Kaskara 2                                                                            | DW Windsor<br>Centre Pindar Road<br>Hoddesdon<br>Herts<br>EN11 0DX<br><br>Tel: 01992 474600     |  |
| UL | 24 Watt LED external façade projector not exceeding 4000 kelvin colour temperature on an appropriate wall bracket<br><br>Ref: 24W LED Projector                                                                                | Alpha Lighting,<br>7 Hay Street,<br>Sunderland,<br>Durham,<br>SR5 1BG<br><br>Tel: 0191 534 1013 |  |

**6.0 CONCLUSION**

In conclusion, we have tried to provide an external lighting design that is both efficient, controllable and which achieves a good level of illumination to the site to meet recommendations provided in BS 5489 Part 1, whilst also considering the likely impact on wildlife and to meet with the concerns raised within the Planning Conditions.

**7.0 APPENDICES**

|            |                                            |
|------------|--------------------------------------------|
| Appendix 1 | Isolux Contour Map                         |
| Appendix 2 | Proposed External Lighting Drawing         |
| Appendix 3 | Proposed External Lighting Phasing Drawing |
| Appendix 4 | Proposed Hotel Façade lighting drawings    |



AREA SUBJECT TO SEPARATE PLANNING CONSENT (162257)

A 33

BASED ON SAUNDERS ARCHITECTS DRAWING No. 1894-190 Rev C4



**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**  
IN ADDITION TO THE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORKS SHOWN ON THIS DRAWING, NOTE THE FOLLOWING:  
**CONSTRUCTION**  
C-1 TO BE ASSESSED.  
**MAINTENANCE/CLEANING**  
M-1 TO BE ASSESSED.  
**DECOMMISSIONING/DEMOLITION**  
D-1 TO BE ASSESSED.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

| revisions:-                                  | date:    |
|----------------------------------------------|----------|
| P1 UNITIA AND 1B LAYOUT AMENDED.             | 06-09-17 |
| P2 RETAIL UNIT C LIGHTING AMENDED.           | 08-10-17 |
| P3 TREE PIT LOCATION AMENDED OUTSIDE UNIT F. | 09-10-17 |



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**READING GATEWAY  
IMPERIAL WAY  
READING**

drawing title:  
**EXTERNAL SERVICES LAYOUT**

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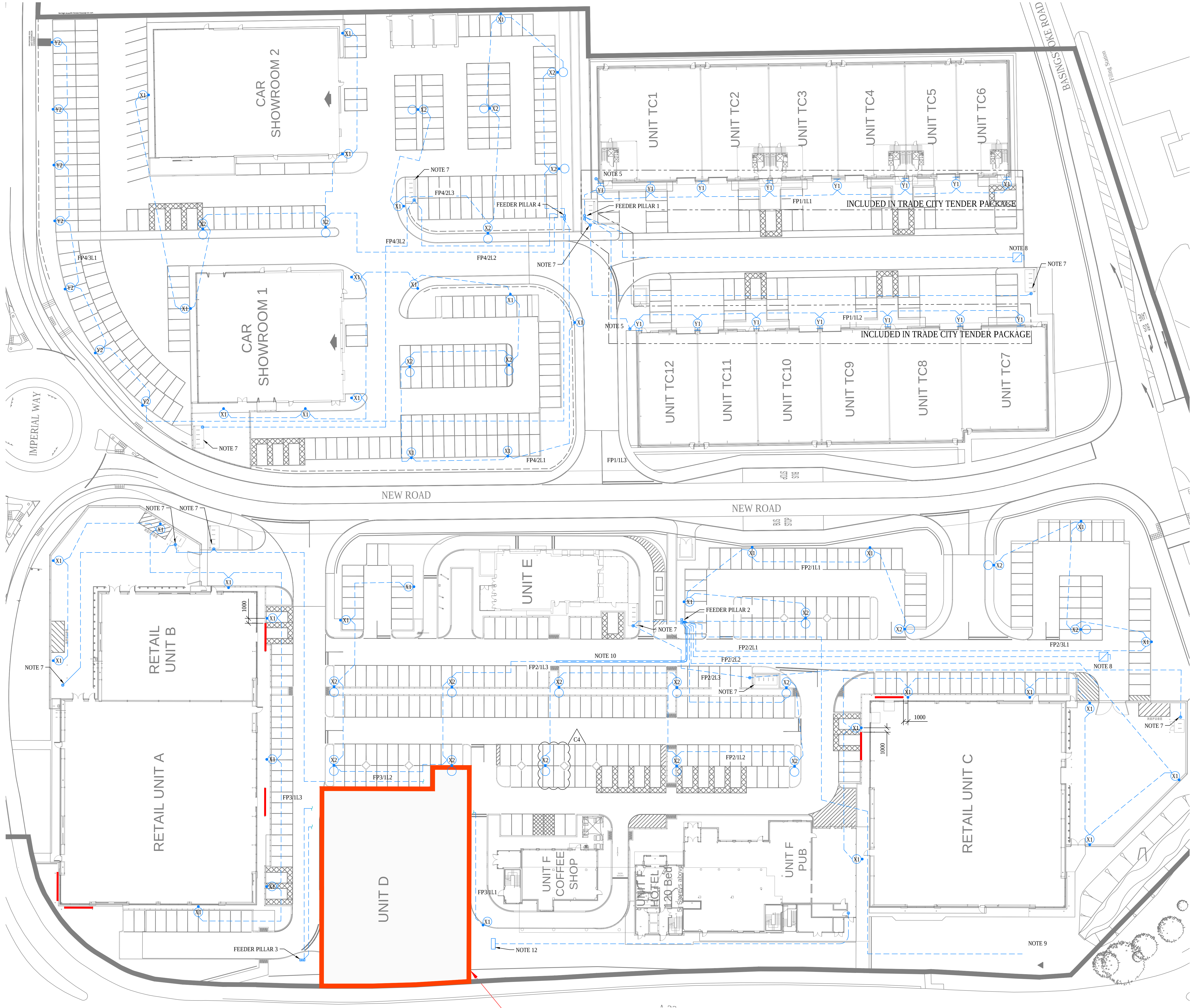
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dig no: **JDP-U10-PL-63-01** rev: **P3**



Building Services Engineering Consultants



UNIT D  
AREA SUBJECT TO SEPARATE  
PLANNING CONSENT (162257)

LUMINAIRE SCHEDULE



X1 - DW WINDSOR 'KURUM' 2 x 30 x 2W 4k 700mA LED ROAD LANTERN WITH CMS ANTENNA AND DALI CONTROL GEAR MOUNTED ON 6m TUBULAR STEEL COLUMN.



X2 - AS X1 BUT TWIN HEAD LUMINAIRE MOUNTED ON 6m TUBULAR STEEL COLUMN.



Y1 - DW WINDSOR 'KASKARA' 2 x 700mA 4k WIDE BEAM LED LUMINAIRE WITH CMS ANTENNA AND DALI CONTROL GEAR FIXED DIRECT TO BUILDING WITH APPROPRIATE SIDE ENTRY FIXING BRACKET.



Y2 - AS TYPE Y1 BUT MOUNTED ON 6m TUBULAR STEEL COLUMN.

- notes:-
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATION AND ALL OTHER CONTRACT DRAWINGS.
  - ALL SERVICES ROUTES ARE APPROXIMATE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ROUTES AND POSITIONS OF ALL INSTALLED SERVICES AND EQUIPMENT.
  - THE EXACT POSITION OF ALL SERVICES AND EQUIPMENT SHALL BE AGREED ON SITE WITH THE ENGINEER.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY CO-ORDINATING ALL SERVICES INSTALLED BY HIM WITH THE BUILDING FABRIC AND ANY SERVICES TO BE INSTALLED BY OTHERS.
  - ARMOURED CABLES RISE EXTERNALLY AND CONNECT INTO TERMINALS INSTALLED WITHIN A GALVANISED ADAPTABLE BOX. SINGLE CORE CABLES THEN RISE IN GALVANISED STEEL CONDUIT TO RIN EXTERNALLY AT HIGH LEVEL TO CONNECT TO THE EXTERNAL LUMINAIRES FIXED TO THE SIDE OF THE BUILDING. EXACT DETAIL TO BE CO-ORDINATED WITH THE ARCHITECT.
  - ALL EXTERNAL LUMINAIRES ARE TO BE CONTROLLED VIA CENTRAL TIMECLOCK WITHIN EACH FEEDER PILLAR, WITH EACH LUMINAIRE ALSO HAVING AN INTEGRAL PHOTOCELL CONTROLLER.
  - LIGHTING TO CYCLE SHELTERS TO BE BREEM COMPLIANT. FINAL DESIGN TO BE COORDINATED WITH ARCHITECT AND CYCLE STORAGE SUPPLIER. ALLOW FOR 2No. IP65 LINEAR LED LUMINAIRES FIXED TO ROOF SUPPORTS. LUMINAIRES TO BE CONTROLLED BY SEPARATE PHOTOCELL AND TIMECLOCK TO GENERAL CAR PARK LIGHTING.
  - ELECTRICAL SUPPLIES TO PETROL INTERCEPTORS TO BE WIRED IN DEDICATED RADIAL CIRCUIT FROM LOCAL FEEDER PILLAR. EXACT DETAILS TO BE IN ACCORDANCE WITH THE SELECTED PETROL INTERCEPTOR SUPPLIER REQUIREMENTS.
  - NEW SERVICE DUCTING COMPLETE WITH DRAW WIRES FOR FUTURE LED SPOT LIGHTS TO BE SUPPLIED AND INSTALLED IN EXACT LOCATION TO BE AGREED.
  - WHERE SECTIONS OF THE CAR PARK ARE TO BE COMPLETED IN PHASES, CIRCUITS FROM THE FEEDER PILLAR TO LATER PHASES ARE TO BE CO-ORDINATED AND ELECTRICAL UNDERGROUND CONTAINMENT INSTALLED, COMPLETE WITH DRAW WIRES SO THAT LATER CIRCUITS CAN BE INSTALLED- INDICATED FOR REFERENCE ONLY, CONTRACTOR TO ASSESS AND LOCATE AS PART OF DESIGN PROCESS.
  - ALLOW FOR UNDERGROUND ELECTRICAL CONTAINMENT FROM THE HOTEL TO THE EXTERNAL SIGNAGE.
  - ALLOW FOR NEW SERVICE DUCTING COMPLETE WITH DRAW WIRES FOR BEEFEATER EXTERNAL SIGNAGE.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORKS SHOWN ON THIS DRAWING, NOTE THE FOLLOWING:-  
**CONSTRUCTION**  
C-1 NO SIGNIFICANT RISK OR HAZARD.  
**MAINTENANCE/CLEANING**  
M-1 NO SIGNIFICANT RISK OR HAZARD.  
**DECOMMISSIONING/DEMOLITION**  
D-1 NO SIGNIFICANT RISK OR HAZARD.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

| revisions:-                                                                                                     | date:    |
|-----------------------------------------------------------------------------------------------------------------|----------|
| C1 UNIT D - SEPARATE PLANNING APPLICATION IDENTIFIED AND EXTERNAL LIGHTING AMENDED TO SUIT.                     | 23-03-17 |
| C2 UPDATED TO LATEST ARCHITECT'S SITE PLAN. FEEDER PILLAR 1 SEPARATED INTO FEEDER PILLAR 1 AND FEEDER PILLAR 4. | 22-08-17 |
| C3 MINOR AMENDMENTS TO SUIT UPDATED ARCHITECTURAL SITE LAYOUT.                                                  | 06-09-17 |
| C4 LIGHT COLUMN POSITION ADJUSTMENT TO AVOID TREE PIT.                                                          | 09-10-17 |

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project:

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drawing title:

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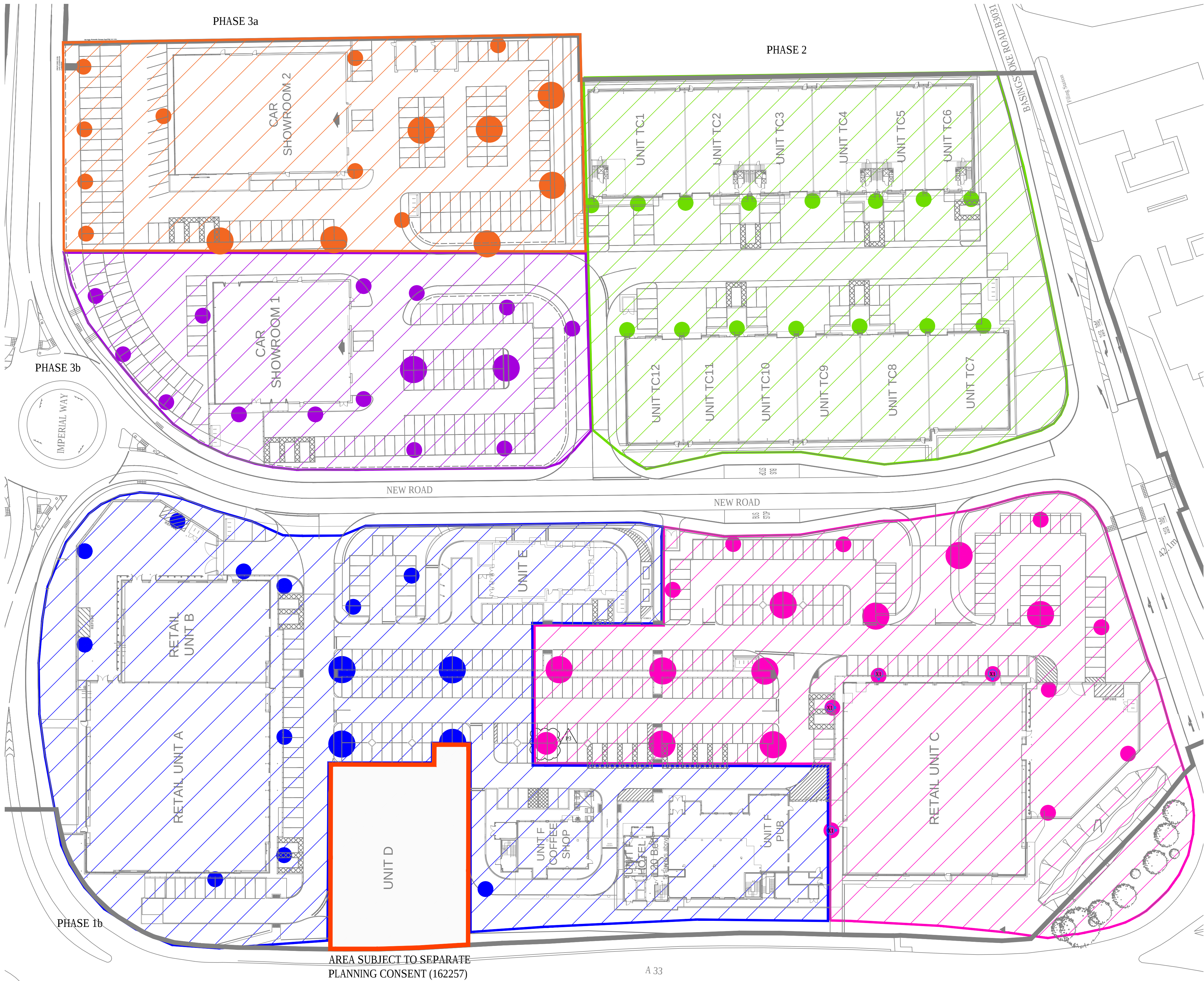
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ARCHITECTS DRAWING  
No. 1894-190 Rev C4





PHASE SEQUENCE  
1a, 1b, 2, 3a THEN 3b

- notes:-
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| revisions:-                                            | date:    |
|--------------------------------------------------------|----------|
| P1 AMENDMENTS TO LIGHTING IN PHASE 1A & 1B.            | 04-09-17 |
| P2 UPDATED TO LATEST ARCHITECT'S SITE LAYOUT.          | 06-09-17 |
| P3 LIGHT COLUMN POSITION ADJUSTMENT TO AVOID TREE PIT. | 09-10-17 |

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EXTERNAL LIGHTING LAYOUT  
PHASING ARRANGEMENT

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NORTH-EAST ELEVATION (Front) Facing Car Park



SOUTH-WEST ELEVATION (Rear) Facing A33

- NOTES
- 1 ©Saunders Architects LLP
  - 2 Figured dimensions must be taken in preference to scaled dimensions and site dimensions are to be checked before work is put in hand
  - 3 Landscape proposals shown are indicative only for full details see Peter Brett Associates LLP drawings

| SCHEDULE OF PROPOSED EXTERNAL MATERIALS |                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ROOF:                                   |                                                                                                                                                                                                                                                                                                         |
| A1                                      | FLAT ROOF<br>Built up insulated flat roof deck with single ply finish complete with integral gutters and upstands etc.<br>Colour: Light Grey                                                                                                                                                            |
| A2                                      | PARAPET FASCIA / CAPPING<br>Profiled pressed metal flashings with coated finish.<br>Colour: Dark Grey (RAL 7012)                                                                                                                                                                                        |
| A3                                      | PLANT ENCLOSURE<br>Roof mounted plant enclosure formed in galvanneal frame supporting coated metal louvers.<br>Colour: Dark Grey (RAL 7012)                                                                                                                                                             |
| EXTERNAL WALLS:                         |                                                                                                                                                                                                                                                                                                         |
| B1                                      | CLADDING PANELS<br>Composite insulated metal wall cladding panels with coated finish with matching colour pressed metal insulated drips, jamb and soffit flashings.<br>Colour: Moonstone® (RAL 7035)                                                                                                    |
| B2                                      | MASONRY<br>Smooth texture concrete blocks with accent bands of light texture shot blast blocks and matching coloured pointing.<br>Colour: Cotswold                                                                                                                                                      |
| B3                                      | MASONRY PLINTH<br>Engineering brick plinth min. 2 courses above finished ground level with natural coloured pointing.<br>Colour: Blue                                                                                                                                                                   |
| B4                                      | RENDER<br>Proprietary through-coloured render system.<br>Colour: Ivory                                                                                                                                                                                                                                  |
| B5                                      | FEATURE RENDER<br>Proprietary through-coloured render system.<br>Colour: Grey / Lilac                                                                                                                                                                                                                   |
| B6                                      | TIMBER WEATHERBOARD<br>Treated softwood timber T&G weatherboard with proprietary woodstain complete with matching colour treated timber corner pieces.<br>Colour: Grey Brown / Oak                                                                                                                      |
| B7                                      | FEATURE CLADDING<br>Entrance feature cladding panels composite insulated metal wall cladding panels with coated finish with matching colour pressed metal insulated drips, jamb and soffit flashings.<br>Colour: Shiraz (RAL 3004)                                                                      |
| LIGHTING:                               |                                                                                                                                                                                                                                                                                                         |
| UL                                      | UP LIGHTERS<br>24W low energy high power LED projector up lighters positioned between windows on white render areas.<br>4No on each elevation as indicated.                                                                                                                                             |
| DOORS & WINDOWS:                        |                                                                                                                                                                                                                                                                                                         |
| C1                                      | ENTRANCE DOORS & SHOPFRONT<br>Double and single entrance doors, sidelights and shopfront display windows in proprietary polyester powder coated aluminium framed curtain wall system with clear glazing, hazard manifestation and solid insulated 'look-a-like' panels.<br>Colour: Dark Grey (RAL 7012) |
| C2                                      | WINDOWS<br>Picture windows in polyester powder coated aluminium framed windows with clear glazing.<br>Colour: Dark Grey (RAL 7012)                                                                                                                                                                      |
| C3                                      | PERSONNEL / FIRE ESCAPE DOORS<br>Single outward opening solid core steel faced door and frame complete with ironmongery to suit application. Factory applied paint finish.<br>Colour: Dark Grey (RAL 7012)                                                                                              |
| C4                                      | GOODS-IN DOUBLE DOORS / GATES<br>Double outward opening solid core steel faced door and frame complete with ironmongery to suit application. Factory applied paint finish.<br>Colour: Dark Grey (RAL 7012)                                                                                              |
| GENERAL:                                |                                                                                                                                                                                                                                                                                                         |
| D1                                      | SIGNAGE<br>Signs shown indicatively subject to Application to Display Advertisement by Tenants.                                                                                                                                                                                                         |
| D2                                      | CAR PARK BOLLARDS<br>Brushed stainless steel finish anti ram-rail bollards with Yellow hazard warning band.<br>(Omitted for clarity)                                                                                                                                                                    |
| D3                                      | SERVICE YARD BOLLARDS<br>Painted galvanneal steel protection bollards to doors and pedestrian routes. (Omitted for clarity)<br>Colour: Yellow and Black hazard warning bands                                                                                                                            |
| D4                                      | STRUCTURAL COLUMNS<br>Encasement to exposed columns at Ground Level in proprietary coated aluminium cassettes.<br>Colour: White (RAL 9010)                                                                                                                                                              |
| D5                                      | CANOPES<br>Galvanneal metal framework supporting profiled coated metal sheet canopy roof with pressed coated metal fascias and soffits.<br>Colour: Dark Grey (RAL 7012) or colour to match Tenant branding                                                                                              |
| D6                                      | EXTRACT / INTAKE VENTS<br>Bedroom air extract and supply vents in external walls in proprietary coated metal or plastic grille covers.<br>Colour: White or Grey to match render to suit location                                                                                                        |
| D7                                      | ROOF EDGE PROTECTION<br>Proprietary galvanneal metal balustrade system                                                                                                                                                                                                                                  |
| D8                                      | ACCESS STAIR<br>Galvanneal metal stair with handrail                                                                                                                                                                                                                                                    |

- C Up-lighters added to Elevations (UL) positions taken from VADO Associates planning document Rev 2 dated 22/02/18. Light description taken from ALS data sheet.
- B Elevations generally revised in design development 08.02.17
- A Elevations generally revised to co-ordinate with layout changes following receipt of Tenant requirements. 06.07.18

AMENDMENTS



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PROPOSED HOTEL & PUB  
NE & SW ELEVATIONS

Proposed Development at  
Worton Grange, Imperial Way  
READING  
for Kier Reading LLP

|            |               |          |          |
|------------|---------------|----------|----------|
| Drawn      | RC            | Date     | Oct 2015 |
| DRAWING No | 1894 - P - 54 | REVISION | C        |

