



- STREET LIGHTING SPECIFICATION**
- STREET LIGHTING TO BS 5489-1:2020 & BS EN 13031-2:2015 P4 (EAV 5.00 TO 7.50 LUX, EMIN 1.0) FOR SUBSIDIARY ROADS AND P4 (EAV 2.00 TO 3.00 LUX, EMIN 0.40) FOR CUL-DE-SACS; ENVIRONMENTAL ZONE E2 AND NORMAL/QUIET TRAFFIC FLOW WITH SPEED LIMITS <30MPH EXACT POSITIONS ARE TO BE AGREED ON SITE BY THE ENGINEER BEFORE ERECTION WORK COMMENCES. COLUMNS AND EQUIPMENT ARE ONLY TO BE INSTALLED ON LAND ADOPTED OR TO BE ADOPTED BY THE LOCAL AUTHORITY.
  - THIS LIGHTING DESIGN HAS BEEN PRODUCED USING THE BEST PRACTICE GUIDANCE AND SHOWS THE PROPOSED LIGHT SPILL FROM THE DEVELOPMENT THEREFORE CAN BE USED TO DISCHARGE CONDITION 21.
  - AFTER ERECTION COLUMNS SHALL BE NUMBERED CLEARLY IN ACCORDANCE WITH OXFORDSHIRE COUNTY COUNCIL REQUIREMENTS.
  - SUPPLIES TO NEW LIGHTING COLUMNS SHALL BE TAKEN DIRECTLY FROM THE REGIONAL ELECTRICITY COMPANY UNDERGROUND SERVICE FOR THE NEW DEVELOPMENT. AN APPLICATION FOR SUPPLY FORM MUST BE COMPLETED AND ISSUED TO ENSURE A SUPPLY IS MADE TO EACH COLUMN.
  - ONLY RECOGNISED LIGHTING CONTRACTORS SHALL BE USED FOR STREET LIGHTING AND ILLUMINATED SIGN AND BOLLARDS INSTALLATION WORKS. THEY SHALL BE APPROVED BY THE OVERSEEING ORGANISATION. THEY MUST ALSO BE MEMBERS OF THE ASLEC AND HERS. CURRENT MEMBERSHIP NUMBERS FOR THESE BODIES MUST BE PROVIDED TO THE SUPERVISING AUTHORITY PRIOR TO APPROVAL OF THE PROPOSED LIGHTING CONTRACTOR. THE APPROVED LIGHTING CONTRACTOR SHALL NOT SUB-CONTRACT ANY PART OF THE WORKS.
  - ALL MATERIALS SHALL BE TO THE RELEVANT BRITISH STANDARD. SITE WORKS SHALL COMPLY IN GENERAL WITH DEPARTMENT OF TRANSPORT SPECIFICATION FOR HIGHWAY WORKS, AND SHALL ALSO CONFORM TO:
    - THE HEALTH AND SAFETY AT WORK ACT
    - CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL
    - THE CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS 2002
    - THE CONSTRUCTION (DESIGN MANAGEMENT) (CDM) REGULATIONS 2015
  - ERECTION AND INSTALLATION WORKS SHALL COMPLY WITH THE CURRENT ISSUE AND AMENDMENTS OF BS7671: 19TH EDITION IET WIRING REGULATIONS 2008 REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, THE CURRENT EDITION OF THE LP CODE OF PRACTICE FOR ELECTRICAL SAFETY IN PUBLIC LIGHTING OPERATION AND THE CODE OF PRACTICE FOR THE ERECTION OF STREET LIGHTING PUBLISHED BY THE ASSOCIATION OF STREET LIGHTING ELECTRICAL CONTRACTORS.
  - ALL MATERIALS AND EQUIPMENT SHALL COMPLY WITH OXFORDSHIRE COUNTY COUNCILS SPECIFICATION REVISION 2023.
  - COLUMNS TO BE INSTALLED AT THE REAR OF THE FOOTWAY, WHERE WITHIN VERGES TO BE SET BACK TO A MINIMUM OF 1.0m FROM KERBLINE.
  - COLUMNS 5m TUBULAR STEEL COLUMN (BS EN 40) HD94/07 (STYLE 2 DRG HSD/1300/10) SUITABLE FOR POST-TOP MOUNTED LANTERN. RATIONALISED WIND LOADING FACTOR FOR OXFORDSHIRE AS SPECIFIED IN P0654/2009 FOR DESIGN OF LIGHTING COLUMNS. PRE-SET TO DIM TO 50% BETWEEN 22:00PM TO 6:00AM. GREEN RW, 0.015.
  - COLUMNS LP02, LP03, LP11, LP12 AND LP13 WILL BE RAISE AND LOWER 5m COLUMNS PRODUCED BY AERBUS LIGHTING.
  - LANTERN DW WINDSOR KIRUM PRO MINI 14ELED D1 400mA 15W 3000K WARM WHITE WITH INTEGRAL 0 DEGREE TILT 2.76KLM / DW WINDSOR KIRUM PRO MINI BLEED D1 300mA 07W 3000K WARM WHITE WITH INTEGRAL 0 DEGREE TILT 1.06KLM / DW WINDSOR KIRUM PRO MINI BLEED D1 250mA 06W 3000K WARM WHITE WITH INTEGRAL 0 DEGREE TILT 0.87KLM.
  - CONTROL 7-2W NEVA TYPE SOCKET WITH 1 PIECE PECU (WESTIRE 7200 SERIES) SET AT 35 LUX ON 18 OFF TO OCC SPEC.
  - (PROJECT MAINTENANCE FACTOR 0.86).

- NOTES**
- DO NOT SCALE THIS DRAWING.
  - THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNTIL FULL TECHNICAL APPROVAL OF THE STREET LIGHTING HAS BEEN GRANTED BY THE ADOPTING AUTHORITY. IF CONSTRUCTION BEGINS BEFORE TECHNICAL APPROVAL THEN NO RESPONSIBILITY IS ACCEPTED FOR ANY ABOVING WORKS.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SPECIALIST DESIGN DRAWINGS AND DETAILS.
  - ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY SERVICE APPARATUS IN THE VICINITY OF THE WORKS. THE CLIENT WILL ACCEPT NO CLAIMS WHATSOEVER IN RESPECT OF ANY LOSSES OR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS, HOWEVER CAUSED.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXECUTE THE WORKS AT ALL TIMES IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE HEALTH AND SAFETY AT WORK ACT 1974, AND THE C.D.M. REGULATIONS 2015. THE CONTRACTOR WILL BE DEEMED TO HAVE ALLOWED FOR FULL COMPLIANCE, WITHIN THEIR RATES.
  - THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORKS ARE TO THE SATISFACTION OF THE ENGINEER AND SHALL BE DEEMED TO HAVE INCLUDED WITHIN THEIR RATES FOR ANY NECESSARY TESTING.
  - MOST RECENT UTILITY DRAWINGS MUST BE VIEWED BEFORE WORKS COMMENCE.
  - DRAWING TO BE PRINTED IN COLOUR.

**STREET LIGHTING KEY**

PROPOSED STREET LIGHTING COLUMN  
 COLUMN HEIGHT: 5m  
 PROJECTION: 0.5m POST TOP  
 LANTERN MANUFACTURER: DW WINDSOR  
 QUANTITY: 4  
 LANTERN NAME: KIRUM PRO MINI  
 INCLINATION: 0°  
 LAMP TYPE: 14ELED 3000K WARM WHITE  
 WATTAGE: 15W  
 OPTIC: D1 400mA 2.76KLM

PROPOSED STREET LIGHTING COLUMN  
 COLUMN HEIGHT: 5m  
 PROJECTION: 0.5m POST TOP  
 LANTERN MANUFACTURER: DW WINDSOR  
 QUANTITY: 4  
 LANTERN NAME: KIRUM PRO MINI  
 INCLINATION: 0°  
 LAMP TYPE: BLEED 3000K WARM WHITE  
 WATTAGE: 7W  
 OPTIC: D1 300mA 1.06KLM

PROPOSED STREET RAISE AND LOWER LIGHTING COLUMN  
 COLUMN HEIGHT: 5m  
 PROJECTION: 0.5m POST TOP (LP03 - 1m)  
 LANTERN MANUFACTURER: DW WINDSOR  
 QUANTITY: 3  
 LANTERN NAME: KIRUM PRO MINI  
 INCLINATION: 0°  
 LAMP TYPE: 14ELED 3000K WARM WHITE  
 WATTAGE: 15W  
 OPTIC: D1 400mA 2.76KLM

PROPOSED STREET LIGHTING COLUMN  
 COLUMN HEIGHT: 5m  
 PROJECTION: 0.5m POST TOP (LP11 - 1m)  
 LANTERN MANUFACTURER: DW WINDSOR  
 QUANTITY: 2  
 LANTERN NAME: KIRUM PRO MINI  
 INCLINATION: 0°  
 LAMP TYPE: BLEED 3000K WARM WHITE  
 WATTAGE: 6W  
 OPTIC: D1 350mA 1.25KLM

PROPOSED STREET LIGHTING COLUMN  
 COLUMN HEIGHT: 5m  
 PROJECTION: 0.5m POST TOP  
 LANTERN MANUFACTURER: DW WINDSOR  
 QUANTITY: 2  
 LANTERN NAME: KIRUM PRO MINI  
 INCLINATION: 0°  
 LAMP TYPE: BLEED 3000K WARM WHITE  
 WATTAGE: 6W  
 OPTIC: D1 250mA 0.87KLM

EXISTING STREET LIGHTING COLUMN TO REMAIN AND IS SHOWN FOR CALCULATION PURPOSES ONLY.

7.5 LUX ISO CONTOUR  
 5.0 LUX ISO CONTOUR  
 1.0 LUX ISO CONTOUR  
 SITE BOUNDARY

**ROAD LIGHTING SETTINGS OUT SCHEDULE**

| COLUMN REF. | X         | Y         | SETBACK | CONNECTION         |
|-------------|-----------|-----------|---------|--------------------|
| LP01        | 443788.97 | 239911.39 | 2m      | NEW DNO CONNECTION |
| LP02        | 443782.05 | 239903.05 | 2m      | NEW DNO CONNECTION |
| LP03        | 443776.45 | 239902.59 | 2m      | NEW DNO CONNECTION |
| LP04        | 443697.32 | 239905.92 | 2m      | NEW DNO CONNECTION |
| LP05        | 443685.65 | 239909.24 | 1m      | NEW DNO CONNECTION |
| LP06        | 443646.38 | 239929.48 | 1m      | NEW DNO CONNECTION |
| LP07        | 443696.09 | 239929.62 | 2m      | NEW DNO CONNECTION |
| LP08        | 443688.76 | 239953.93 | 1m      | NEW DNO CONNECTION |
| LP09        | 443679.42 | 239972.75 | 1m      | NEW DNO CONNECTION |
| LP10        | 443663.72 | 240001.82 | 1m      | NEW DNO CONNECTION |
| LP11        | 443658.29 | 240021.42 | 1m      | NEW DNO CONNECTION |
| LP12        | 443703.76 | 239967.14 | 2m      | NEW DNO CONNECTION |
| LP13        | 443727.53 | 239969.20 | 1m      | NEW DNO CONNECTION |
| LP14        | 443758.32 | 239966.05 | 1m      | NEW DNO CONNECTION |
| LP15        | 443746.33 | 239988.36 | 1m      | NEW DNO CONNECTION |

REV: FIRST ISSUE NA | DAM | EM | 02/04/23

REV: AMENDMENTS DRN | CHK | APP | DATE

PROJECT: **BALMORAL AVENUE BANBURY PHASE 2**

DRAWING TITLE: **S38 STREET LIGHTING LAYOUT**

CLIENT: **ORBIT HOMES (2022) LIMITED**

DRAWING NUMBER: **27526\_02\_100\_01**

REVISION: - SHEET SIZE: A0 SCALE: 1:250

STATUS: **FOR INFORMATION / APPROVAL**

**M-EC** Consulting Development Engineers  
 Telephone: 01235 264753  
 Email: group@me-ec.co.uk  
 Website: www.me-ec.co.uk  
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