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ECOLOGICAL VERTICAL LIGHTING MEASUREMENT 2M HIGH – 0.00LUX

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BAT BOX ECOLOGICAL VERTICAL LIGHTING MEASUREMENT 2M HIGH – 0.00LUX

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BL01 BL02 BL03 BL04 BL05 BL06 BL07 BL08 BL09 BL10 BL11 BL12 BL13

LIGHTING SPECIFICATION:

1. PRIVATE STREET LIGHTING DESIGN TO DISCHARGE CONDITION 18 OF PLANNING APPLICATION DC/23/2144. WHICH STATES;– PRIOR TO THE FIRST OCCUPATION OF THE DEVELOPMENT HEREBY PERMITTED, A LIGHTING DESIGN SCHEME SHALL BE SUBMITTED TO AND APPROVED IN WRITING BY THE LOCAL PLANNING AUTHORITY. THE SCHEME SHALL IDENTIFY THOSE FEATURES ON SITE THAT ARE PARTICULARLY SENSITIVE FOR BATS AND THAT ARE LIKELY TO CAUSE DISTURBANCE ALONG IMPORTANT ROUTES USED FOR FORAGING; AND SHOW HOW AND WHERE EXTERNAL LIGHTING WILL BE INSTALLED (THROUGH THE PROVISION OF APPROPRIATE LIGHTING CONTOUR PLANS, LSOLUX DRAWINGS AND TECHNICAL SPECIFICATIONS) SO THAT IT CAN BE CLEARLY DEMONSTRATED THAT AREAS TO BE LIT WILL NOT DISTURB OR PREVENT BATS USING THEIR TERRITORY. ALL EXTERNAL LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AND LOCATIONS SET OUT IN THE SCHEME AND MAINTAINED THEREAFTER IN ACCORDANCE WITH THE SCHEME AND APPROVED PHASING PLAN FOR THE DEVELOPMENT. UNDER NO CIRCUMSTANCES SHOULD ANY OTHER EXTERNAL LIGHTING BE INSTALLED WITHOUT PRIOR CONSENT FROM THE LOCAL PLANNING AUTHORITY.

1. 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.
2. 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 ELECTRICITY AT WORK REGULATIONS (1989)
   - 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 AND MANAGEMENT) REGULATIONS 2015
3. ERECTION AND INSTALLATION WORKS SHALL COMPLY WITH THE CURRENT ISSUE AND AMENDMENTS OF BS7671: 17TH EDITION IET WIRING REGULATIONS 2008 REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, THE CURRENT EDITION OF THE ILE 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.
4. BOLLARDS: COLLINGWOOD BL03 1.0m LED 2700K WARM WHITE 5W 0.16KLM TRIPLE LED CHAMFERED WOODEN BOLLARD. BOLLARDS SHALL COMPLY WITH BS EN 40.
5. UP/DOWNLIGHTS: THORN LIGHTING CESAR LED 2700K WARM WHITE 6W 0.41KLM.
6. DOWNLIGHTS: THORN LIGHTING D–CO LED MAXI 2700K WARM WHITE 12W 0.56KLM.
7. MAINTENANCE FACTOR: 0.86 (ECOLOGICAL MEASUREMENTS TAKEN AT 1.00)

NOTES.

1. DO NOT SCALE THIS DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH 28931–LIGH–0401, ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SPECIALIST DESIGN DRAWINGS AND DETAILS.
3. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
4. 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.
5. 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.
6. 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.
7. MOST RECENT UTILITY DRAWINGS MUST BE VIEWED BEFORE WORKS COMMENCE.
8. DRAWING TO BE PRINTED IN COLOUR.

LIGHTING KEY

BL** — PROPOSED LIGHTING BOLLARD
QUANTITY 13 — COLUMN HEIGHT: 1.0m; LANTERN MANUFACTURER: COLLINGWOOD; LANTERN NAME: BL03; LAMP TYPE: LED 2700K WARM WHITE; WATTAGE: 5W; OPTIC: TRIPLE LED 0.16KLM

QUANTITY 22 — PROPOSED UP/DOWNLIGHT; LANTERN MANUFACTURER: THORN LIGHTING; LANTERN NAME: CESAR; LAMP TYPE: LED 2700K WARM WHITE; WATTAGE: 6W; OPTIC: 0.41KLM

QUANTITY 4 — PROPOSED DOWNLIGHT; LANTERN MANUFACTURER: THORN LIGHTING; LANTERN NAME: D–CO LED MAXI; LAMP TYPE: LED 2700K WARM WHITE; WATTAGE: 12W; OPTIC: 0.56KLM

QUANTITY 7 — ECOLOGICAL LIGHT MONITORING LOCATION

5.0 LUX ISO CONTOUR
1.0 LUX ISO CONTOUR
0.2 LUX ISO CONTOUR
SITE BOUNDARY

LIGHTING SETTING OUT SCHEDULE

BOLLARD REF:	X	Y	CONNECTION
B01	509784.58	114038.95	PRIVATE CONNECTION
B02	509787.24	114031.08	PRIVATE CONNECTION
B03	509813.34	114052.91	PRIVATE CONNECTION
B04	509809.98	114060.11	PRIVATE CONNECTION
B05	509818.00	114062.20	PRIVATE CONNECTION
B06	509824.65	114048.62	PRIVATE CONNECTION
B07	509844.01	114045.30	PRIVATE CONNECTION
B08	509849.64	114048.65	PRIVATE CONNECTION
B09	509857.36	114061.37	PRIVATE CONNECTION
B10	509857.58	114066.45	PRIVATE CONNECTION
B11	509856.48	114092.09	PRIVATE CONNECTION
B12	509851.42	114098.17	PRIVATE CONNECTION
B13	509846.49	114093.79	PRIVATE CONNECTION

REV:	AMENDMENTS:	DRN:	CHK:	APP:	DATE:
A	AMENDMENTS TO LIGHTING	CA	NA	NB	04.09.24
-	FIRST ISSUE	CA	NA	DS	02.07.24

PROJECT: ANGEL SAND PIT, WASHINGTON ROAD, STORRINGTON

DRAWING TITLE: LUX CONTOUR PLOT

CLIENT: MIBRI LTD

DRAWING NUMBER: 28931_02_100_01

REVISION: - | SHEET SIZE: A1 | SCALE: 1:250

STATUS: FOR INFORMATION / APPROVAL

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