



ECOLOGICAL VERTICAL LIGHTING
MEASUREMENT 2M HIGH – 0.11LUX

BAT BOX VERTICAL
LIGHTING MEASUREMENT
@ 4M HIGH – 0.00LUX

BAT BOX LOCATION VERTICAL
LIGHTING MEASUREMENT @ 4M
HIGH – 0.00LUX

BAT ACCESS TILE VERTICAL
LIGHTING MEASUREMENT @ 6M
HIGH – 0.00LUX

BAT ACCESS TILE
VERTICAL LIGHTING
MEASUREMENT @ 6M
HIGH – 0.00LUX

ECOLOGICAL VERTICAL LIGHTING
MEASUREMENT 2M HIGH – 0.01LUX

BAT ACCESS TILE VERTICAL LIGHTING
MEASUREMENT @ 6.6M HIGH –
0.00LUX

ECOLOGICAL VERTICAL LIGHTING
MEASUREMENT 2M HIGH – 0.10LUX

LIGHTING SPECIFICATION:

- PRIVATE STREET LIGHTING DESIGN TO DISCHARGE CONDITION 10 OF PLANNING APPLICATION DM/23/2315 AND DM/23/2316 WHICH STATES:–
A LIGHTING DESIGN SCHEME FOR BIODIVERSITY 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, L50LUX 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. UNDER NO CIRCUMSTANCES SHOULD ANY OTHER EXTERNAL LIGHTING BE INSTALLED WITHOUT PRIOR CONSENT FROM THE LOCAL PLANNING AUTHORITY.
- 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 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
- 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.
- LANTERN: COLLINGWOOD WL075 LED 2700K WARM WHITE 5.7W 0.51KLM, COLLINGWOOD GL019 EYELID LED 2700K WARM WHITE 2.0W 0.06KLM AND COLLINGWOOD GL100 LED 2700K WARM WHITE 1.0W 0.04KLM COLLINGWOOD BLO3 BOLLARD LED 2700K WARM WHITE 5.0W , 0.25KLM.
- MAINTENANCE FACTOR: 0.86 (ECOLOGICAL MEASUREMENTS TAKEN AT 1.00)

NOTES.

- DO NOT SCALE THIS DRAWING.
- 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.

LIGHTING KEY

QUANTITY	1	PROPOSED DOWN LIGHT ADJACENT TO DOOR HEIGHT: 4.5m LANTERN MANUFACTURER: COLLINGWOOD LAMP TYPE: LED 2700K WARM WHITE WATTAGE: 5.7W OPTIC: 0.51KLM	
	1	PROPOSED DOWN LIGHT ADJACENT TO DOOR HEIGHT: 1.8m LANTERN MANUFACTURER: COLLINGWOOD LAMP TYPE: LED 2700K WARM WHITE WATTAGE: 5.7W OPTIC: 0.51KLM	
QUANTITY	2	PROPOSED BOLLARD HEIGHT: 1.0m LANTERN MANUFACTURER: COLLINGWOOD LAMP TYPE: LED 2700K WARM WHITE WATTAGE: 5.0W OPTIC: 0.25KLM	
	2	PROPOSED DOWN LIGHT ADJACENT TO GARDEN GATE HEIGHT: 1m LANTERN MANUFACTURER: COLLINGWOOD LAMP TYPE: LED 2700K WARM WHITE WATTAGE: 2.0W OPTIC: 0.06KLM	
QUANTITY	3	PROPOSED PATH WASHING LIGHT HEIGHT: 0.1m LANTERN MANUFACTURER: COLLINGWOOD LAMP TYPE: LED 2700K WARM WHITE WATTAGE: 1.0W OPTIC: 4 LUMENS	
	3		
		5.0 LUX ISO CONTOUR	
		1.0 LUX ISO CONTOUR	
		0.2 LUX ISO CONTOUR	

B	AMENDMENTS TO LIGHTING LAYOUT BASED ON ECOLOGY COMMENTS	NA	CA	NB	23.02.25
A	AMENDMENTS TO LIGHTING LAYOUT	CA	NA	NB	06.02.25
-	FIRST ISSUE	CA	NA	NB	31.01.25
REV:	AMENDMENTS:	DRN:	CHK:	APP:	DATE:
PROJECT: THE GRANERY, GREAT WAPSES FARM, HURSTPIERPOINT ROAD, TWINEHAM					
DRAWING TITLE: LIGHTING LAYOUT					
CLIENT: MRS H NORMAN					
DRAWING NUMBER: 29376_02_100_01					
REVISION: B		SHEET SIZE: A1		SCALE: NTS	
STATUS: FOR INFORMATION / APPROVAL					
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