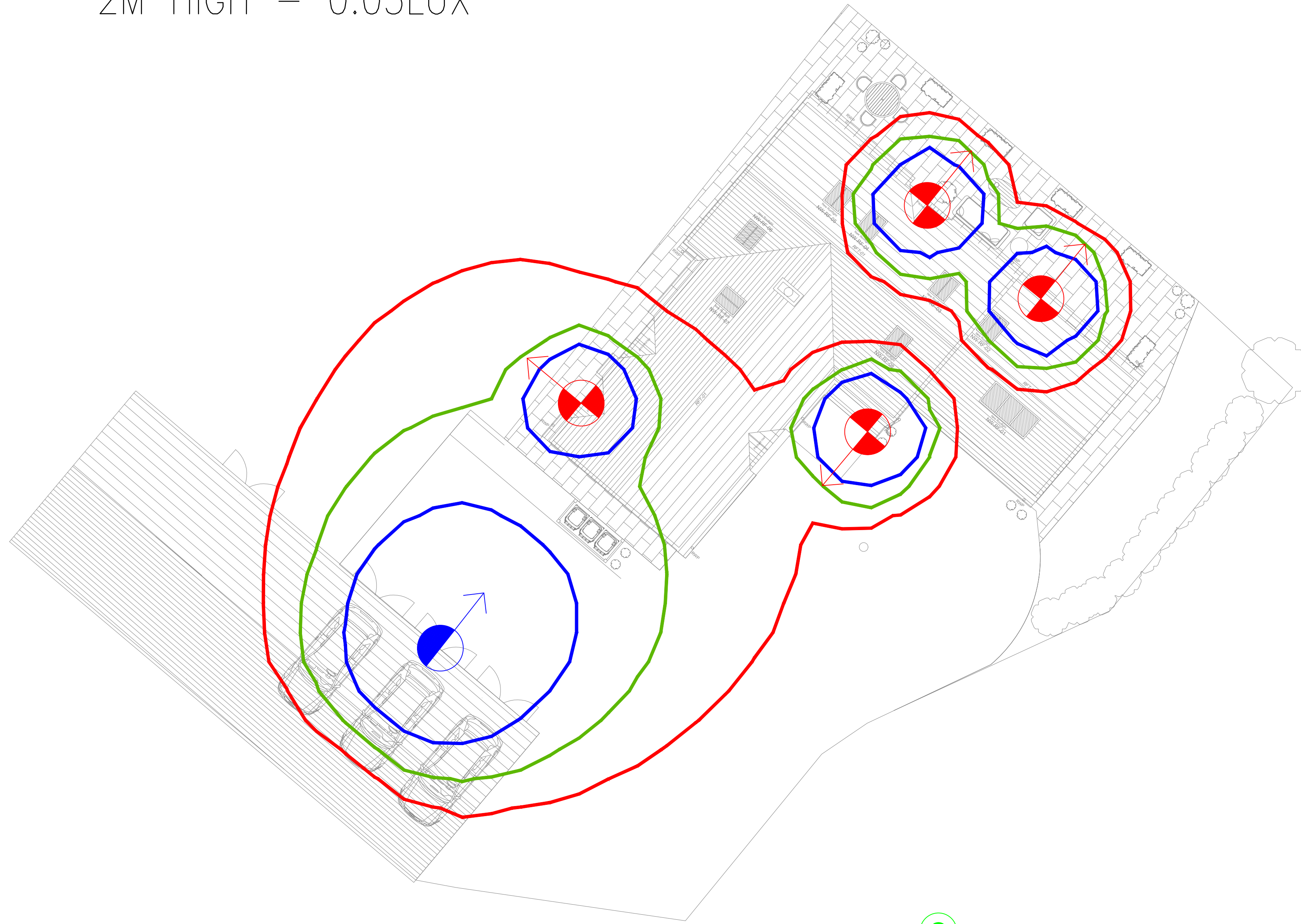


ECOLOGICAL VERTICAL
LIGHTING MEASUREMENT
2M HIGH – 0.05LUX

ECOLOGICAL VERTICAL
LIGHTING MEASUREMENT
2M HIGH – 0.05LUX



ECOLOGICAL VERTICAL
LIGHTING MEASUREMENT
2M HIGH – 0.00LUX

ECOLOGICAL VERTICAL
LIGHTING MEASUREMENT
2M HIGH – 0.00LUX

LIGHTING SPECIFICATION

1. LOW LEVEL EXTERIOR PRIVATE LIGHTING DESIGN TO DISCHARGE CONDITION 7 OF PLANNING APPLICATION NO. 24/01155/FUL, WHICH STATES:

"PRIOR TO FIRST OCCUPATION OF THE DWELLING HEREBY APPROVED, A "LIGHTING DESIGN STRATEGY FOR BIODIVERSITY" IN ACCORDANCE WITH GUIDANCE NOTE 08/23 (INSTITUTE OF LIGHTING PROFESSIONALS) SHALL BE SUBMITTED TO AND APPROVED IN WRITING BY THE LOCAL PLANNING AUTHORITY. THE STRATEGY SHALL:

A) IDENTIFY THOSE AREAS/FEATURES ON SITE THAT ARE PARTICULARLY SENSITIVE FOR BATS AND THAT ARE LIKELY TO CAUSE DISTURBANCE IN OR AROUND THEIR BREEDING SITES AND RESTING PLACES OR ALONG IMPORTANT ROUTES USED TO ACCESS KEY AREAS OF THEIR TERRITORY, FOR EXAMPLE, FOR FORAGING; AND

B) SHOW HOW AND WHERE EXTERNAL LIGHTING WILL BE INSTALLED (THROUGH PROVISION OF APPROPRIATE LIGHTING CONTOUR PLANS AND TECHNICAL SPECIFICATIONS) SO THAT IT CAN BE CLEARLY DEMONSTRATED THAT AREAS TO BE LIT WILL NOT DISTURB OR PREVENT THE ABOVE SPECIES USING THEIR TERRITORY OR HAVING ACCESS TO THEIR BREEDING SITES AND RESTING PLACES.

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.

REASON: TO ALLOW THE LPA TO DISCHARGE ITS DUTIES UNDER THE CONSERVATION OF HABITATS AND SPECIES REGULATIONS 2017 (AS AMENDED), THE WILDLIFE & COUNTRYSIDE ACT 1981 (AS AMENDED) AND S40 OF THE NERC ACT 2006 (AS AMENDED) AND IN ACCORDANCE WITH POLICY DM6 OF THE ADOPTED SITE ALLOCATIONS AND DEVELOPMENT MANAGEMENT POLICIES DPD (2016)."

2. **WALL LIGHTS:** COLLINGWOOD WL075 LED 2700K WARM WHITE 5.70W WALL LIGHTS PLACED AT THE FRONT, REAR AND SIDE ENTRANCE OF THE PROPERTY.
3. **FLOOD LIGHT:** COLLINGWOOD FL01 LED 3000K WARM SHITE 10W FLOOD LIGHT PLACED AT THE GARAGE ENTRANCE.
4. LIGHTING HAS BEEN DESIGNED TO A LOWER BRIGHTNESS LEVEL TO ENSURE MINIMAL IMPACTS ON ECOLOGICAL LIGHT-SENSITIVE RECEPTORS, IN THIS CASE THE EXISTING MATURE TREES. LUMINAIRES/FITTINGS HAVE BEEN SELECTED WITH CONSIDERATION TO THIS CRITERIA (DOWNWARD FACING WITH NO UPWARD TILT). THE LIGHTING WILL ENSURE VISIBILITY IMMEDIATELY AROUND THE PROPERTY WHILST REDUCING UNWANTED LIGHT SPILL INTO ECOLOGICAL AREAS.

NOTES:

1. DO NOT SCALE THIS DRAWING.

LIGHTING KEY

PROPOSED WALL LIGHT
HEIGHT: 2m
LANTERN MANUFACTURER: COLLINGWOOD
QUANTITY 4
LANTERN NAME: WL075
LAMP TYPE: LED 2700K WARM WHITE
WATTAGE: 5.70W
OPTIC: 0.51KLM

PROPOSED FLOOD LIGHT
HEIGHT: 2.7m
INCLINATION: 20°
LANTERN MANUFACTURER: COLLINGWOOD
QUANTITY 1
LANTERN NAME: FL01
LAMP TYPE: LED 3000K WARM WHITE
WATTAGE: 10.0W
OPTIC: 1.10KLM

5.00 LUX ISO CONTOUR
1.00 LUX ISO CONTOUR
0.20 LUX ISO CONTOUR

ECOLOGICAL LIGHT MONITORING LOCATION
QUANTITY 4

REV	AMENDMENTS	HA	BC	NA	15.04.26
DRN	CHK	APP	DATE		

PROJECT: UPPER GRANGE FARM, MARKFIELD

DRAWING TITLE: PRVIA TE LIGHTING DESIGN

CLIENT: P. GODDEN (MARKFIELD)

DRAWING NUMBER: 30306_02_100_01

REVISION: - SHEET SIZE: A1 SCALE: 1:100

STATUS: FOR INFORMATION / APPROVAL

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