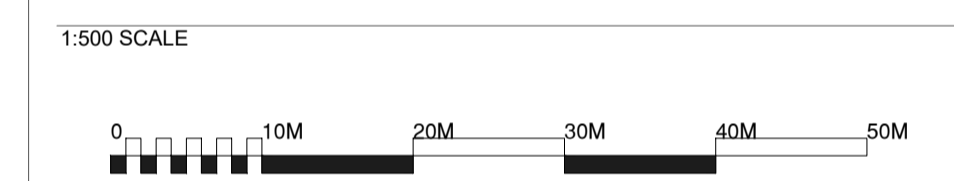


NOTES
 DO NOT COPY, RE-PRINT OR RE-USE WITHOUT PERMISSION.
 DO NOT SCALE FROM THIS DRAWING UNLESS FOR PLANNING PURPOSES.
 ALL MEASUREMENTS ARE IN MILLIMETRES (MM) UNLESS STATED OTHERWISE.
 BASE MAP REPRODUCED FROM ORDNANCE SURVEY MAP DATA © CROWN COPYRIGHT 2020.
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SAFETY HEALTH AND ENVIRONMENTAL (SHE) INFORMATION
 IN ADDITION TO HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK, NOTE ANY PROJECT SPECIFIC RISKS DETAILED ON THIS DRAWING.
 RISKS LISTED HERE ARE NOT EXHAUSTIVE AND WILL BE DEVELOPED AND MITIGATED DURING TECHNICAL DESIGN, AND MANUFACTURING AND CONSTRUCTION PROJECT STAGES.
 CONTROL MEASURES WILL BE APPLIED TO RESIDUAL RISKS AS APPROPRIATE AND ARE IDENTIFIED WITH HAZARD TRIANGLES.
 INFORMATION RELATING TO USE, MAINTENANCE, AND DEMOLITION TO BE DETAILED IN DUE COURSE WITHIN A BUILDING MANUAL AND HEALTH AND SAFETY FILE.



REVISION	DATE	DRAWN	DESCRIPTION
.00	15 11 2021	TB	ORIGINAL PLANNING PROPOSAL
.01	26 12 2021	TB	UPDATED PLANNING PROPOSAL
.02	02 01 2022	TB	UPDATED PLANNING PROPOSAL

CLIENT
BLUNSDON PARISH COUNCIL

PROJECT
COMMUNITY SPORT AND LEISURE ENHANCEMENTS

LOCATION
**RECREATION GROUND
 LINLEY ROAD
 BLUNSDON
 SN26 7AP**

DRAWING TITLE
PROPOSED LOW-LEVEL SPORTS AREA LIGHTING

STATUS
SPATIAL COORDINATION (PLANNING)

PROJECT NO.
D21-023

DRAWING NO.	SCALE	SIZE	DRAWN	CHECKED
D21-023 / DWG / 0012	1:500	A1	TB	.02



ENVIRONMENTAL ZONE E2 OBTRUSIVE LIGHT CALCULATIONS

LIGHT TRESPASS
 (MAXIMUM VALUES OF VERTICAL ILLUMINANCE ON PROPERTIES)

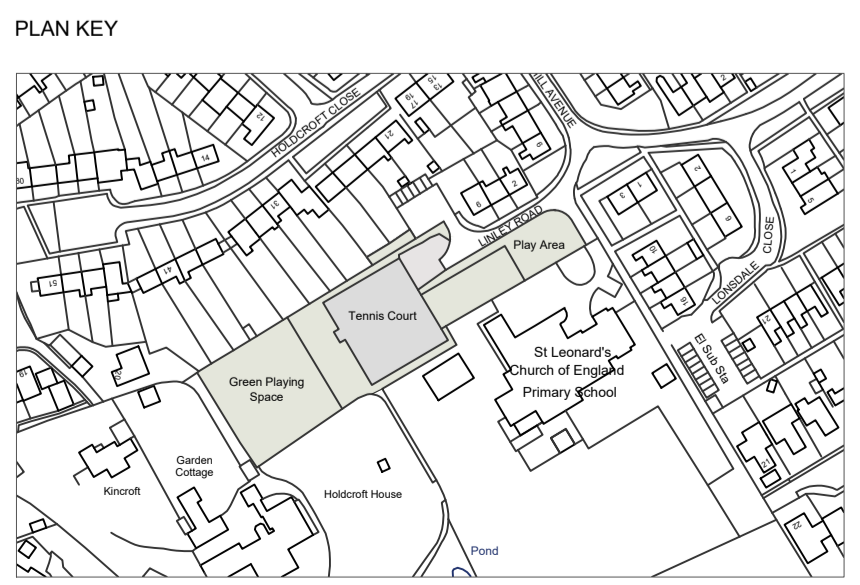
ENVIRONMENTAL ZONE E2 LIMIT 5 LUX (PRE-CURFEW)

OBSERVER	RESULT	PASS / FAIL
HOUSE1	<1 LUX	PASS
HOUSE2	<1 LUX	PASS
HOUSE3	<1 LUX	PASS
HOUSE4	<1 LUX	PASS
HOUSE5	<1 LUX	PASS
HOUSE6	<1 LUX	PASS
HOUSE7	<1 LUX	PASS
HOUSE8	<1 LUX	PASS
HOUSE9	<1 LUX	PASS

GLARE
 (MAXIMUM LUMINOUS INTENSITY EMITTED BY LUMINAIRE)

ENVIRONMENTAL ZONE E2 LIMIT 7500 CANDELAS (CD) (PRE-CURFEW)

OBSERVER	RESULT	PASS / FAIL
HOUSE1	253CD	PASS
HOUSE2	260CD	PASS
HOUSE3	343CD	PASS
HOUSE4	288CD	PASS
HOUSE5	213CD	PASS
HOUSE6	197CD	PASS
HOUSE7	271CD	PASS
HOUSE8	207CD	PASS
HOUSE9	280CD	PASS



LEGEND

- LUX CONTOUR (50 LUX / 25 LUX / 15 LUX / 5 LUX / 1 LUX)
- 6.00M HIGH LED SPORTS AREA LIGHTING MAST WITH LUMINAIRE
- OBTRUSIVE LIGHT CALCULATION

222 LUX MEASUREMENT ONTO FIELD OF PLAY (TASK LIGHT)

LIGHTING EQUIPMENT
 6 X 6M MASTS (M1-M6)
 EACH CARRYING THE FOLLOWING LUMINAIRES
 M1-M6 - 1 X FL11 MAXI PL33T BLC 2 BRICK (LOWERED LUMEN OUTPUT)
LAMPS
 SITECO LED - 60,000 LUMEN

MUGA1 & MUGA2 ILLUMINANCE LEVELS
 INITIAL (100HRS) E.I.AVE 269LUX
 MAINTAINED (4000HRS) E.I.AVE 256LUX
 UNIFORMITY EMIN/EAVE 0.64

MUGA1 & MUGA2 REDUCED LEVELS ILLUMINANCE LEVELS
 INITIAL (100HRS) E.I.AVE 134LUX
 MAINTAINED (4000HRS) E.I.AVE 127LUX
 UNIFORMITY EMIN/EAVE 0.64