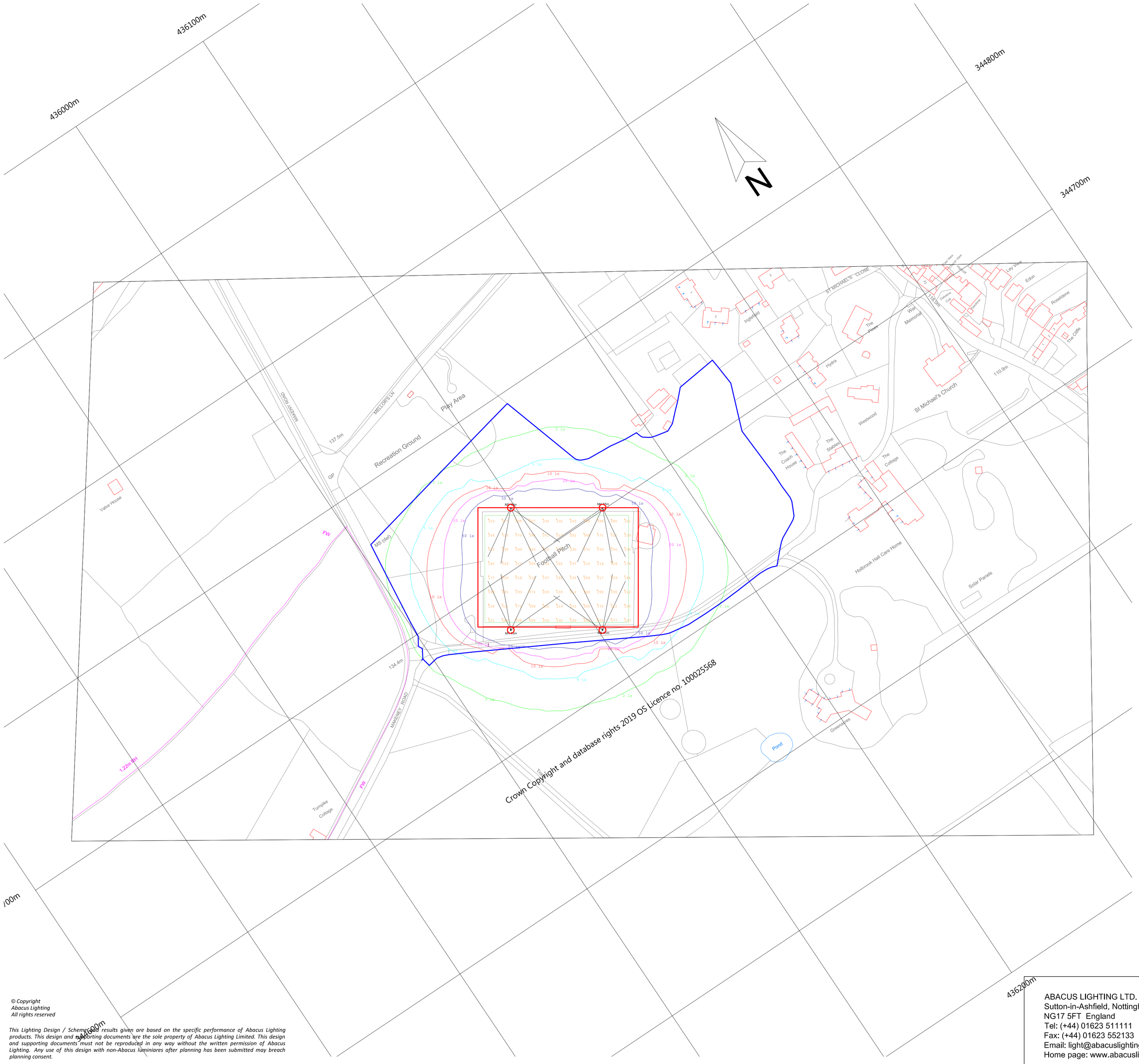


Abacus®

Leaders in Lighting

LIGHTING EQUIPMENT

6 x 15m Masts Each Carrying the Following Challenger 1 LED Floodlights
M1-M4.....2 x AL6101/1500W
.....2 x AL6102/1500W

HORIZONTAL ILLUMINANCE LEVELS

Pitch (calculated level)
Average Initil Horizontal Illuminance (Eh.m): 291 lx
Average Maintained Horizontal Illuminance (Eh.m): 261 lx
Uniformity Ratio (E.min / E.av): 0.6
(E.min / E.av): 0.29

Maintenance Factor: 0.8
Based Upon:
- Luminaires depreciation due to dirt
- Lamp lumen depreciation
- Medium Pollution
- Pre-season cleaning of floodlights

Grid Intervals 88 points - INSTEP 2.5m FA SPEC
Initial Levels Shown

Obtrusive Light - Compliance Report

CIE 150:2017, E3-Medium District Brightness, Pre-Curfew
Filename: AGI UKS16361_6 - Holbrook St Michaels FC
08/07/2021 10:02:18

Illuminance
Maximum Allowable Value: 10 Lux

Calculations Tested (25):

Calculation Label	Test Results	Max. Illum.
ObtrusiveLight_3_Ill_Seg1	PASS	2
ObtrusiveLight_3_Ill_Seg2	PASS	1
No 2_Ill_Seg1	PASS	3
No 1_Ill_Seg1	PASS	3
No 1_Ill_Seg2	PASS	2
Inglefield_Ill_Seg1	PASS	1
Hydra_Ill_Seg1	PASS	2
The Coach House_Ill_Seg1	PASS	3
The Stable_Ill_Seg1	PASS	0
Holbrook Hall Care Home_Ill_Seg1	PASS	1
Holbrook Hall Care Home_Ill_Seg2	PASS	0
Holbrook Hall Care Home_Ill_Seg3	PASS	0
Holbrook Hall Care Home_Ill_Seg4	PASS	1
Holbrook Hall Care Home_Ill_Seg5	PASS	0
Holbrook Hall Care Home_Ill_Seg6	PASS	1
Holbrook Hall Care Home_Ill_Seg7	PASS	0
Holbrook Hall Care Home_Ill_Seg8	PASS	1
Greenacres_Ill_Seg1	PASS	1
Greenacres_Ill_Seg2	PASS	0
Greenacres_Ill_Seg3	PASS	1
Greenacres_Ill_Seg4	PASS	0
Greenacres_Ill_Seg5	PASS	2
Greenacres_Ill_Seg6	PASS	0
Greenacres_Ill_Seg7	PASS	2
Greenacres_Ill_Seg8	PASS	0

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ISO 9001 - ISO 14001
OHSAS 18001

Lighting Project: Horizontal illuminance levels

Title: Holbrook St Michaels FC

Design Ref: UKS16361_6	Revision(s) From Previous Design:
Design By: ROB SCOTT	
Date: 08/07/2021	Scale: A1 @ 1:1250

All illuminance values are the result of computer calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.