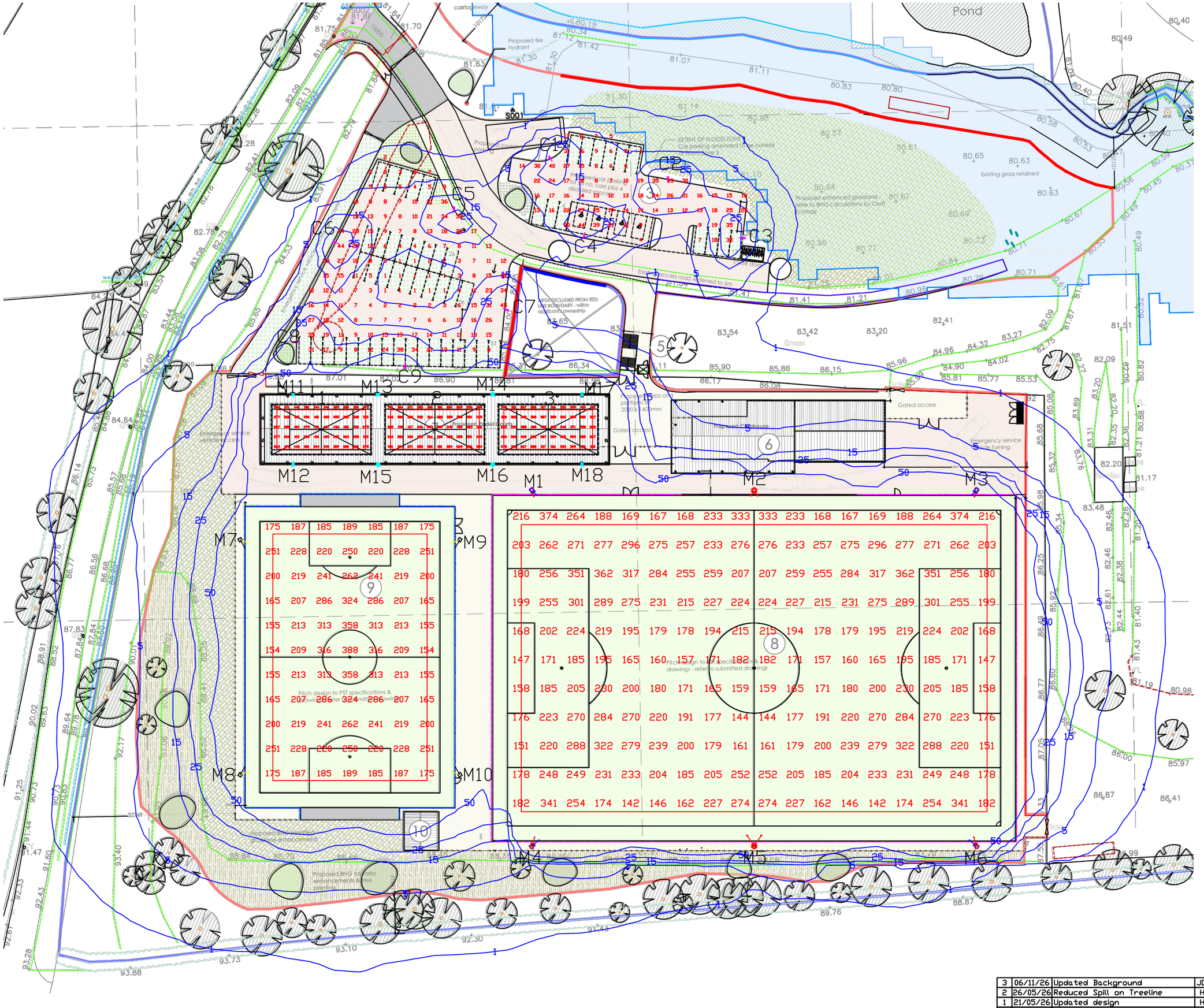

NOTES:

Floodlighting Equipment
10 x 15m Masts (M1-M10)
8 x 6m Masts (M11-M18)
9 x 5m Columns (C1-C9)
Each carrying the following Floodlights :-
M1, M3, M4 & M6
...1 x Siteco FL11-3 Blade-PL33T BLC + Full Shield
...1 x Siteco FL11-2 Blade-PL33T BLC + Full Shield
M2 & M5
...2 x Siteco FL11-3 Blade-PL33T BLC + Full Shield
M7-M10
...1 x Siteco FL11-2 Blade-PL33T BLC
...1 x Siteco FL11-1 Blade-PL33T BLC
M11, M12, M17 & M18
...1 x Siteco FL21 midi (L) 36900lm 4000k
M13-M16
...2 x Siteco FL21 midi (L) 36900lm 4000k
C1-C9
...1 x Siteco SL21 ST1.0a micro 4000k 5010lm

Lamps = Siteco LED - 5,000K CRI 70

Illuminance Levels
Initial - 11 v 11 Football
(100hrs) E.i.ave = 222Lux
Maintained -
(4000hrs) E.i.ave = 200Lux
Uniformity
Emin/Eave = 0.64
Emin/Emax = 0.38

Illuminance Levels
Initial - 7 v 7 Football
(100hrs) E.i.ave = 227Lux
Maintained -
(4000hrs) E.i.ave = 203Lux
Uniformity
Emin/Eave = 0.68
Emin/Emax = 0.40

Illuminance Levels
Initial - Padel Court 1
(100hrs) E.i.ave = 358Lux
Maintained -
(4000hrs) E.i.ave = 323Lux
Uniformity
Emin/Eave = 0.73
Emin/Emax = 0.56

Illuminance Levels
Initial - Padel Court 2
(100hrs) E.i.ave = 333Lux
Maintained -
(4000hrs) E.i.ave = 300Lux
Uniformity
Emin/Eave = 0.81
Emin/Emax = 0.64

Illuminance Levels
Initial - Padel Court 3
(100hrs) E.i.ave = 348Lux
Maintained -
(4000hrs) E.i.ave = 313Lux
Uniformity
Emin/Eave = 0.76
Emin/Emax = 0.62

Illuminance Levels
Initial - Top Car Park
(100hrs) E.i.ave = 18Lux
Maintained -
(4000hrs) E.i.ave = 16Lux
Uniformity
Emin/Eave = 0.23

Initial - Bottom Car Park
(100hrs) E.i.ave = 12Lux
Maintained -
(4000hrs) E.i.ave = 11Lux
Uniformity
Emin/Eave = 0.05

Grid values in Lux(initial).
Grid interval = 5m.
Contour values in Lux (initial).
Contours: 1, 5, 15, 25, 50 Lux.

Maintenance Factor = 0.90
(Based on a cleaning interval of 2 years)

3	06/11/26	Updated Background	JDW	JM
2	26/05/26	Reduced Spill on Treeline	HJ	JM
1	21/05/26	Updated design	HJ	JM
0	25/02/26	ORIGINAL ISSUE	HJ	JM

EST. 1962
HALLIDAY LIGHTING

www.halliday-lighting.co.uk

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PROJECT NAME:
Ratby Sports Club

DRAWING TITLE:
Proposed Lighting

DRAWN BY: JDW	DATE: 06/11/2026
CHECKED BY: JM	SCALE: NTS
DRAWING No: HLS11961	REVISION: REV3