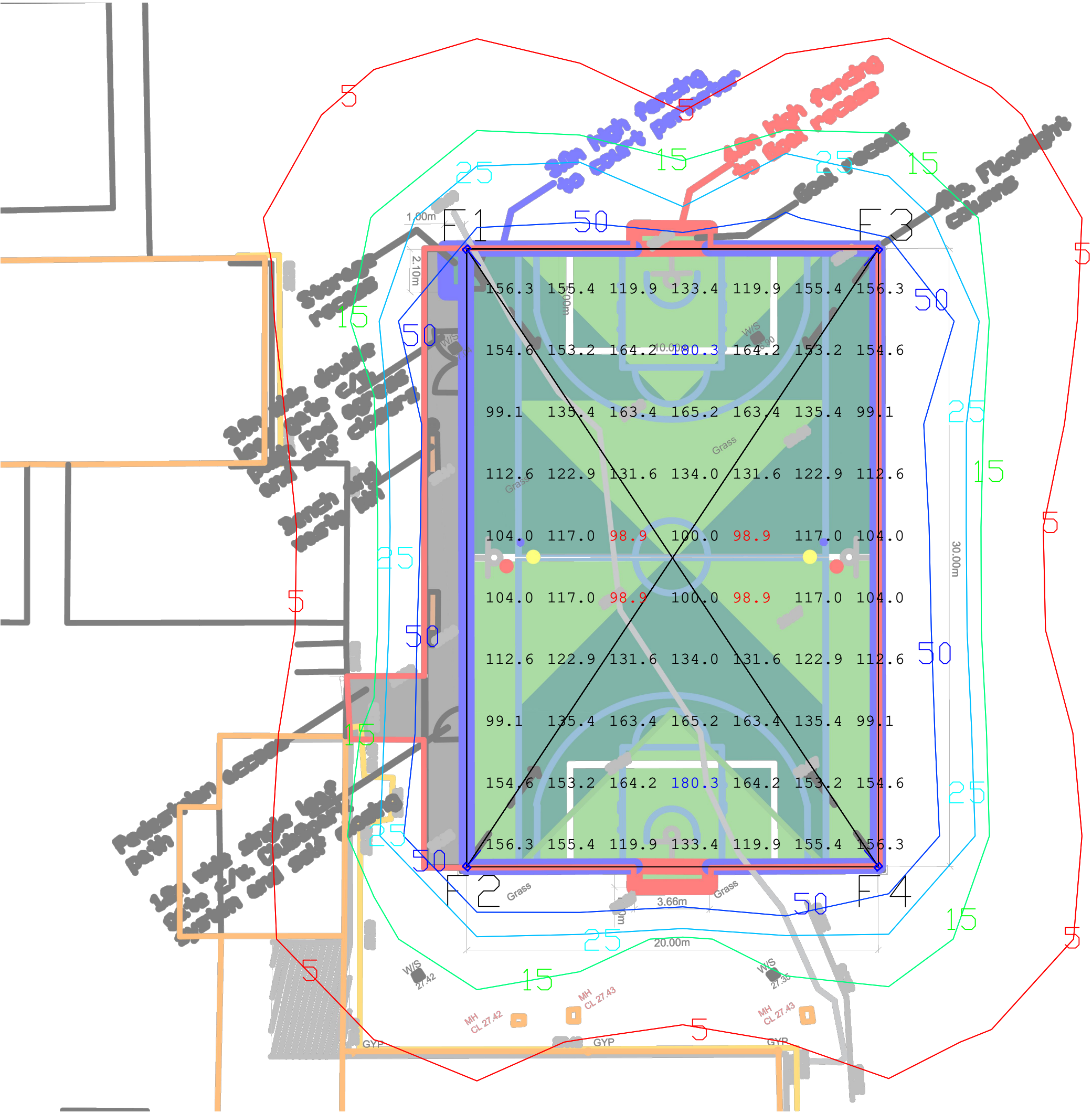




**NOTES:**  
**Floodlighting Equipment**  
4 x 6m Fence Posts (F1-F4)  
Each carrying the following Floodlights :-  
F1-F4  
...1 x Siteco FL21 midi PL33T (S) 27690lm  
**Lamps = Siteco LED - 4,000K CRI 70**  
**Illuminance Levels**  
**Initial -**  
(100hrs) E.i.ave = 134Lux  
**Maintained -**  
(4000hrs) E.i.ave = 120Lux  
**Uniformity**  
Emin/Eave = 0.74  
Emin/Emax = 0.55

Grid values in Lux(initial).  
Grid interval = 3m.  
Contour values in Lux (initial).  
Contours: 5, 15, 25, 50 Lux.

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

**Obtrusive Light - Compliance Report**

E2  
Filename: HLS12310 REV1  
18/06/2026 16:42:43

**Illuminance**  
Maximum Allowable Value: 5 Lux

| Calculation Label         | Test Results | Max. Illum. |
|---------------------------|--------------|-------------|
| ObtrusiveLight_1_Ill_Seg1 | PASS         | 0.1         |
| ObtrusiveLight_1_Ill_Seg2 | PASS         | 0.0         |
| ObtrusiveLight_1_Ill_Seg3 | PASS         | 0.1         |
| ObtrusiveLight_1_Ill_Seg4 | PASS         | 0.0         |
| ObtrusiveLight_1_Ill_Seg5 | PASS         | 0.0         |
| ObtrusiveLight_2_Ill_Seg1 | PASS         | 0.1         |
| ObtrusiveLight_3_Ill_Seg1 | PASS         | 0.0         |
| ObtrusiveLight_3_Ill_Seg2 | PASS         | 0.0         |
| ObtrusiveLight_3_Ill_Seg3 | PASS         | 0.0         |
| ObtrusiveLight_3_Ill_Seg4 | PASS         | 0.0         |
| ObtrusiveLight_4_Ill_Seg1 | PASS         | 0.1         |
| ObtrusiveLight_5_Ill_Seg1 | PASS         | 0.1         |

**Luminous Intensity (Cd) At Vertical Planes**

Maximum Allowable Value: 7500 Cd

| Calculation Label        | Test Results |
|--------------------------|--------------|
| ObtrusiveLight_1_Cd_Seg1 | PASS         |
| ObtrusiveLight_1_Cd_Seg2 | PASS         |
| ObtrusiveLight_1_Cd_Seg3 | PASS         |
| ObtrusiveLight_1_Cd_Seg4 | PASS         |
| ObtrusiveLight_1_Cd_Seg5 | PASS         |
| ObtrusiveLight_2_Cd_Seg1 | PASS         |
| ObtrusiveLight_3_Cd_Seg1 | PASS         |
| ObtrusiveLight_3_Cd_Seg2 | PASS         |
| ObtrusiveLight_3_Cd_Seg3 | PASS         |
| ObtrusiveLight_3_Cd_Seg4 | PASS         |
| ObtrusiveLight_4_Cd_Seg1 | PASS         |
| ObtrusiveLight_5_Cd_Seg1 | PASS         |



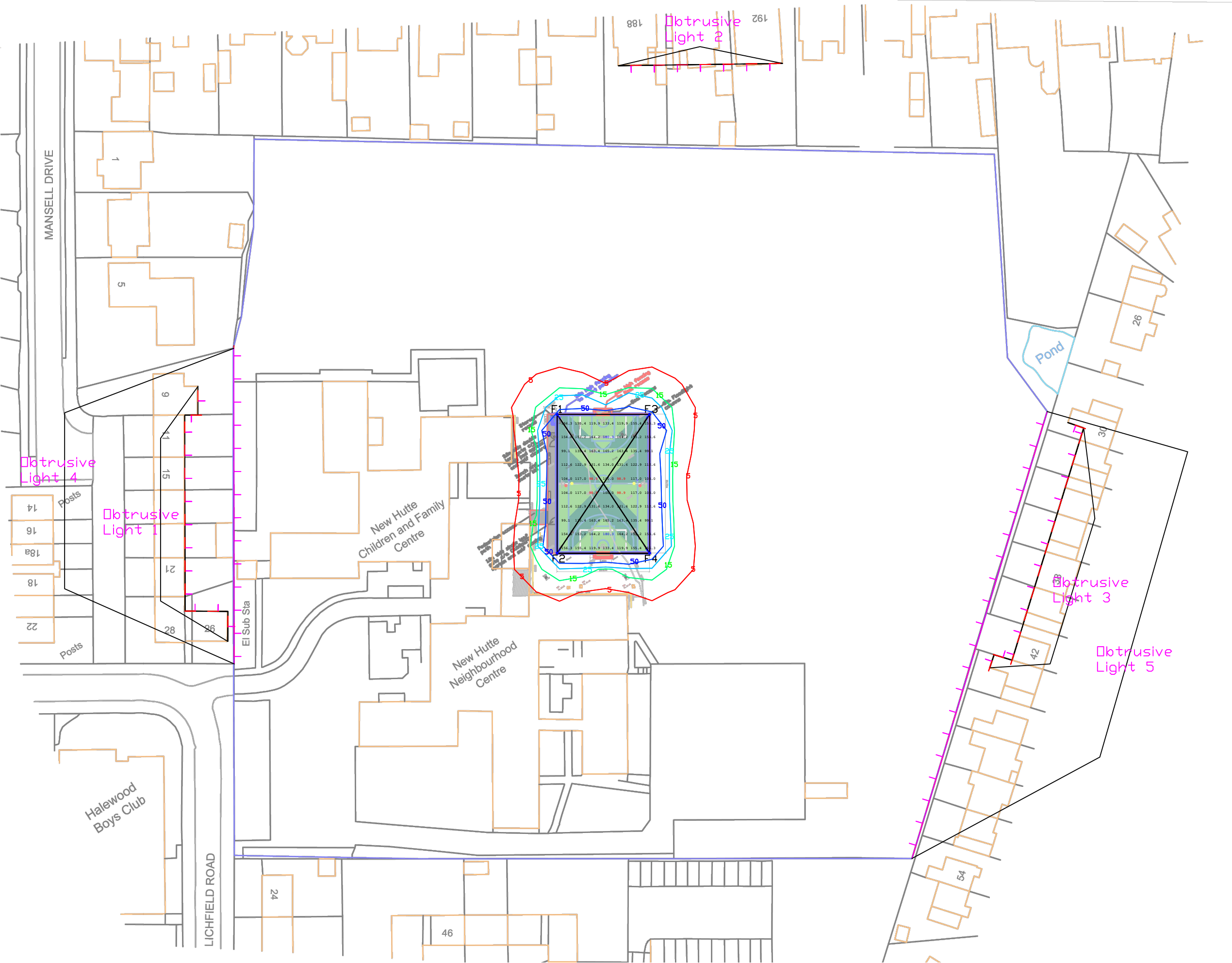
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email - [info@halliday-lighting.co.uk](mailto:info@halliday-lighting.co.uk)

PROJECT NAME:  
New Hutte Neighbourhood

DRAWING TITLE:  
Proposed Lighting  
Horizontal Spill

|                         |                     |
|-------------------------|---------------------|
| DRAWN BY:<br>HJ         | DATE:<br>18/06/2026 |
| CHECKED BY:<br>JM       | SCALE:<br>NTS       |
| DRAWING No:<br>HLS12310 | REVISION:<br>REV1   |

|   |          |                |    |    |
|---|----------|----------------|----|----|
| 1 | 18/06/26 | Updated Design | HJ | JM |
| 0 | 12/05/26 | ORIGINAL ISSUE | HJ | JM |



**NOTES:**

**Floodlighting Equipment**  
4 x 6m Fence Posts (F1-F4)  
Each carrying the following Floodlights :-  
F1-F4  
...1 x Siteco FL21 midi PL33T (S) 27690lm  
**Lamps = Siteco LED - 4,000K CRI 70**

**Illuminance Levels**  
**Initial** -  
(100hrs) E.i.ave = 134Lux  
**Maintained** -  
(4000hrs) E.i.ave = 120Lux  
**Uniformity**  
Emin/Eave = 0.74  
Emin/Emax = 0.55

Grid values in Lux(initial).  
Grid interval = 3m.  
Contour values in Lux (initial).  
Contours: **5, 15, 25, 50** Lux.

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

**Obtrusive Light - Compliance Report**

|                                |              |             |
|--------------------------------|--------------|-------------|
| E2                             | Test         | Max.        |
| Filename: HLS12310 REV1        | Results      | Illum.      |
| 18/06/2026 16:42:43            |              |             |
| <b>Illuminance</b>             |              |             |
| Maximum Allowable Value: 5 Lux |              |             |
| Calculation Label              | Test Results | Max. Illum. |
| ObtrusiveLight_1_III_Seg1      | PASS         | 0.1         |
| ObtrusiveLight_1_III_Seg2      | PASS         | 0.0         |
| ObtrusiveLight_1_III_Seg3      | PASS         | 0.1         |
| ObtrusiveLight_1_III_Seg4      | PASS         | 0.0         |
| ObtrusiveLight_1_III_Seg5      | PASS         | 0.0         |
| ObtrusiveLight_2_III_Seg1      | PASS         | 0.1         |
| ObtrusiveLight_3_III_Seg1      | PASS         | 0.0         |
| ObtrusiveLight_3_III_Seg2      | PASS         | 0.0         |
| ObtrusiveLight_3_III_Seg3      | PASS         | 0.0         |
| ObtrusiveLight_3_III_Seg4      | PASS         | 0.0         |
| ObtrusiveLight_4_III_Seg1      | PASS         | 0.1         |
| ObtrusiveLight_5_III_Seg1      | PASS         | 0.1         |

**Luminous Intensity (Cd) At Vertical Planes**

|                                  |              |
|----------------------------------|--------------|
| Maximum Allowable Value: 7500 Cd | Test Results |
| Calculation Label                | Test Results |
| ObtrusiveLight_1_Cd_Seg1         | PASS         |
| ObtrusiveLight_1_Cd_Seg2         | PASS         |
| ObtrusiveLight_1_Cd_Seg3         | PASS         |
| ObtrusiveLight_1_Cd_Seg4         | PASS         |
| ObtrusiveLight_1_Cd_Seg5         | PASS         |
| ObtrusiveLight_2_Cd_Seg1         | PASS         |
| ObtrusiveLight_3_Cd_Seg1         | PASS         |
| ObtrusiveLight_3_Cd_Seg2         | PASS         |
| ObtrusiveLight_3_Cd_Seg3         | PASS         |
| ObtrusiveLight_3_Cd_Seg4         | PASS         |
| ObtrusiveLight_4_Cd_Seg1         | PASS         |
| ObtrusiveLight_5_Cd_Seg1         | PASS         |



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email - [info@halliday-lighting.co.uk](mailto:info@halliday-lighting.co.uk)

|                                                 |                     |
|-------------------------------------------------|---------------------|
| PROJECT NAME:<br>New Hutte Neighbourhood        |                     |
| DRAWING TITLE:<br>Proposed Lighting<br>Overflow |                     |
| DRAWN BY:<br>HJ                                 | DATE:<br>18/06/2026 |
| CHECKED BY:<br>JM                               | SCALE:<br>NTS       |
| DRAWING No:<br>HLS12310                         | REVISION:<br>REV1   |

|   |          |                |    |    |
|---|----------|----------------|----|----|
| 1 | 18/06/26 | Updated Design | HJ | JM |
| 0 | 12/05/26 | ORIGINAL ISSUE | HJ | JM |