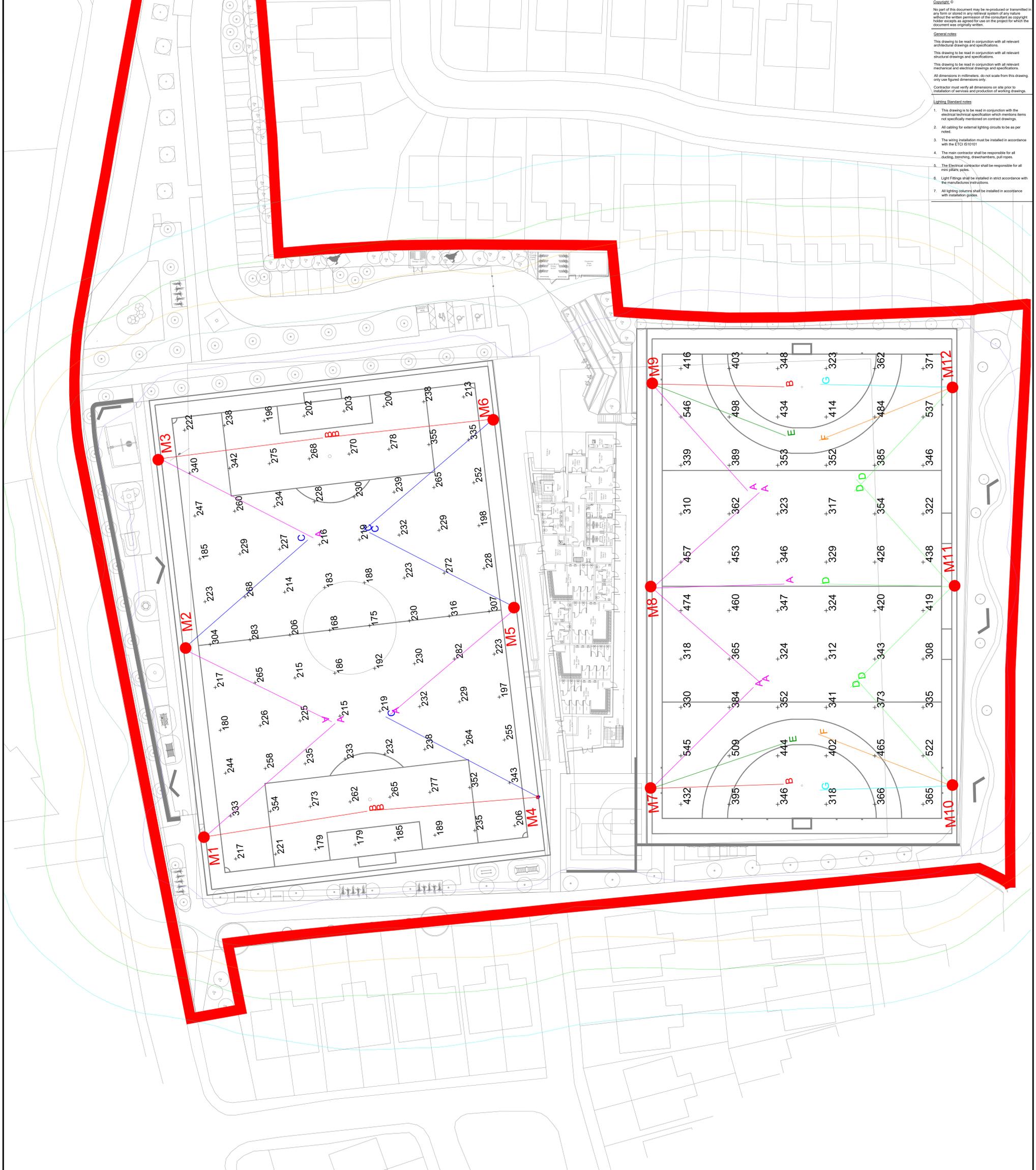


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General notes:
 This drawing to be read in conjunction with all relevant architectural drawings and specifications.
 This drawing to be read in conjunction with all relevant structural drawings and specifications.
 This drawing to be read in conjunction with all relevant mechanical and electrical drawings and specifications.
 All dimensions in millimetres, do not scale from this drawing, only use figured dimensions only.
 Contractor must verify all dimensions on site prior to installation of services and production of working drawings.

Lighting Standard notes:

- This drawing is to be read in conjunction with the electrical technical specifications which mentions items not specifically mentioned on contract drawings.
- All cabling for external lighting circuits to be as per noted.
- The wiring installation must be installed in accordance with the EICR IS10101.
- The main contractor shall be responsible for all ducting, trenching, drawchambers, pull ropes.
- The Electrical contractor shall be responsible for all main plants poles.
- Light Fixtures shall be installed in strict accordance with the manufacturer's instructions.
- All lighting columns shall be installed in accordance with installation guide.



Lighting Schedule Project Total (for mast arrangements see tables below)

Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
A	6	AL6102_158305 + FS3	Challenger 1 LED	15	1542.8	161049
B	3	AL6101_158305 + FS2	Challenger 1 LED	15	1528.7	147024
C	6	AL6102_158305	Challenger 1 LED	15	1539	172922
D	5	AL6102_158305 + FS3 + RS2	Challenger 1 LED	15	1524.4	156450
E	4	AL6102_158305 + FS2	Challenger 1 LED	15	1527.9	142775
F	2	AL6102_158305 + FS2 + RS2	Challenger 1 LED	15	1539.1	139111
G	2	AL6101_158305 + FS2 + RS2	Challenger 1 LED	15	1504.3	139026

Mast Arrangement M1,M2

Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
A	1	AL6102_158305 + FS3	Challenger 1 LED	15	1542.8	161049
B	1	AL6101_158305 + FS2	Challenger 1 LED	15	1528.7	147024

Mast Arrangement M2

Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
E	2	AL6102_158305 + FS2	Challenger 1 LED	15	1527.9	142775

Mast Arrangement M3,M4

Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
B	1	AL6101_158305 + FS2	Challenger 1 LED	15	1528.7	147024
C	1	AL6102_158305	Challenger 1 LED	15	1539	172922

Mast Arrangement M5

Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
A	1	AL6102_158305 + FS3	Challenger 1 LED	15	1542.8	161049
C	1	AL6102_158305	Challenger 1 LED	15	1539	172922

Mast Arrangement M7,M8

Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
A	1	AL6102_158305 + FS3	Challenger 1 LED	15	1542.8	161049
B	1	AL6101_158305 + FS2	Challenger 1 LED	15	1528.7	147024
E	1	AL6102_158305 + FS2	Challenger 1 LED	15	1527.9	142775

Mast Arrangement M8

Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
A	3	AL6102_158305 + FS3	Challenger 1 LED	15	1542.8	161049

Mast Arrangement M10,M11

Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
D	1	AL6102_158305 + FS3 + RS2	Challenger 1 LED	15	1524.4	156450
F	1	AL6102_158305 + FS2 + RS2	Challenger 1 LED	15	1539.1	139111
G	1	AL6101_158305 + FS2 + RS2	Challenger 1 LED	15	1504.3	139026

Mast Arrangement M11

Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
D	3	AL6102_158305 + FS3 + RS2	Challenger 1 LED	15	1524.4	156450

Horizontal Illuminance Levels
 Premier League Stadium Fund Specification - 2.5m Instop

Label	CalcType	Units	Avg	Min/Avg	Min/Max
Football Pitch	Illuminance	Lux	200	0.60	0.30

Horizontal Illuminance Levels
 FHK Class 1 Specification

Label	CalcType	Units	Avg	Min/Avg	Min/Max
Hockey Pitch	Illuminance	Lux	300	0.70	0.50

Calculation Summary
 Initial Calculations - Separately Switched

Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Football Pitch	Illuminance	Lux	241	355	168	0.70	0.47
Hockey Pitch	Illuminance	Lux	390	546	308	0.79	0.56

Calculation Summary
 Maintained Calculations - Separately Switched

Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Football Pitch	Illuminance	Lux	217	316	151	0.70	0.47
Hockey Pitch	Illuminance	Lux	359	491	277	0.79	0.56

Calculation Grid Intervals

Label	Grid	Value
Football Pitch	11 x 6	60
Hockey Pitch	10 x 6	55

Area Dimensions

Area	L (m)	W (m)
Football Pitch	60	105
Hockey Pitch	91.5	55

Area Summary

Label	Total Watts
Football Pitch + Hockey Pitch	16,418

Glare Summary

Label	GRmax
Glare Rating	45

Observative Light - Compliance Report
 Premier League Stadium Fund Specification - 2.5m Instop
 File Name: Kingston Park & Millers Lane - Football + Hockey
 23/09/2025 11:16:20

Illuminance
 Maximum Allowable Value: 10 Lux
 Calculations Tested (40):

Calculation Label	Test Results	Max
Crusachan Park_1_II_Seg1	PASS	5
Crusachan Park_2_II_Seg1	PASS	4
Crusachan Park_3_II_Seg1	PASS	0
Crusachan Park_4_II_Seg1	PASS	2
Crusachan Park_5_II_Seg1	PASS	2
Crusachan Park_6_II_Seg1	PASS	1
Crusachan Park_7_II_Seg1	PASS	0
Crusachan Park_8_II_Seg1	PASS	1
Crusachan Park_9_II_Seg1	PASS	1
Crusachan Park_10_II_Seg1	PASS	0
Crusachan Park_11_II_Seg1	PASS	1
Crusachan Park_12_II_Seg1	PASS	2
Crusachan Park_13_II_Seg1	PASS	6
Crusachan Park_14_II_Seg1	PASS	2
Crusachan Park_15_II_Seg1	PASS	6
Crusachan Park_16_II_Seg1	PASS	6
Crusachan Park_17_II_Seg1	PASS	6
Crusachan Park_18_II_Seg1	PASS	6
Crusachan Park_19_II_Seg1	PASS	6
Crusachan Park_20_II_Seg1	PASS	6
Crusachan Park_21_II_Seg1	PASS	6
Crusachan Park_22_II_Seg1	PASS	6
Crusachan Park_23_II_Seg1	PASS	6
Crusachan Park_24_II_Seg1	PASS	6
Crusachan Park_25_II_Seg1	PASS	6
Crusachan Park_26_II_Seg1	PASS	6
Crusachan Park_27_II_Seg1	PASS	6
Crusachan Park_28_II_Seg1	PASS	6
Crusachan Park_29_II_Seg1	PASS	6
Crusachan Park_30_II_Seg1	PASS	6
Crusachan Park_31_II_Seg1	PASS	6
Crusachan Park_32_II_Seg1	PASS	6
Crusachan Park_33_II_Seg1	PASS	6
Crusachan Park_34_II_Seg1	PASS	6
Crusachan Park_35_II_Seg1	PASS	6
Crusachan Park_36_II_Seg1	PASS	6
Crusachan Park_37_II_Seg1	PASS	6
Crusachan Park_38_II_Seg1	PASS	6
Crusachan Park_39_II_Seg1	PASS	6
Crusachan Park_40_II_Seg1	PASS	6

Notes:
 This scheme has been designed based upon a flat and open area. Shadowing from obstructions have not been taken into account.
 Drawing converted from CAD file, please check dimensions before ordering and installing.
 Initial levels shown on drawing.
 Iso-Lux contours and observative light calculations calculated with all luminaires switched on.

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Client: **Galway City Council**

Architect: **DRLA Landscape Architects 12 Barrington St. Limerick**

Project: **Kingston Park and Millers Lane - Public Park and Urban Realm Project**

Drawing: **Electrical Installation**
 Site Lighting & Lux Levels
 Millers Lane - Multi-Sport Pitch Lighting

Proj Ref | 24.2812 | Dwg Ref | P-E103A | Scale | 1:250 AO
 Drawing Date | 24.09.2025 | Drawing Status | Issued for Planning

Drawn | GJA | Checked | JM | Approved | MF

For Information | Planning Stage | Tender Issue | Contract Issue