

Belgard Community Centre

Dublin, Leinster

Lighting System

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
S1-S4	15.2	15.2	3	TLC-LED-900	2.67 kW	A
4			12		10.68 kW	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A		10.68 kW	12

Fixture Type Summary

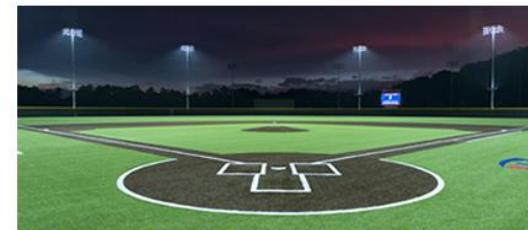
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	12

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Min/Max	Min/Ave		
Blanket Spill	Horizontal	119	0	564	0.00	0.00	A	12
Blanket Spill	Max Vert Illuminance (by Light Bank)	177	0.01	818	0.00	0.00	A	12
Football	Horizontal Illuminance	286	195	424	0.46	0.68	A	12
LTW at 1.5m	Horizontal	0	0	0	0.00	0.00	A	12
LTW at 1.5m	Max Vertical Illuminance Metric	0.01	0	0.03	0.00	0.00	A	12

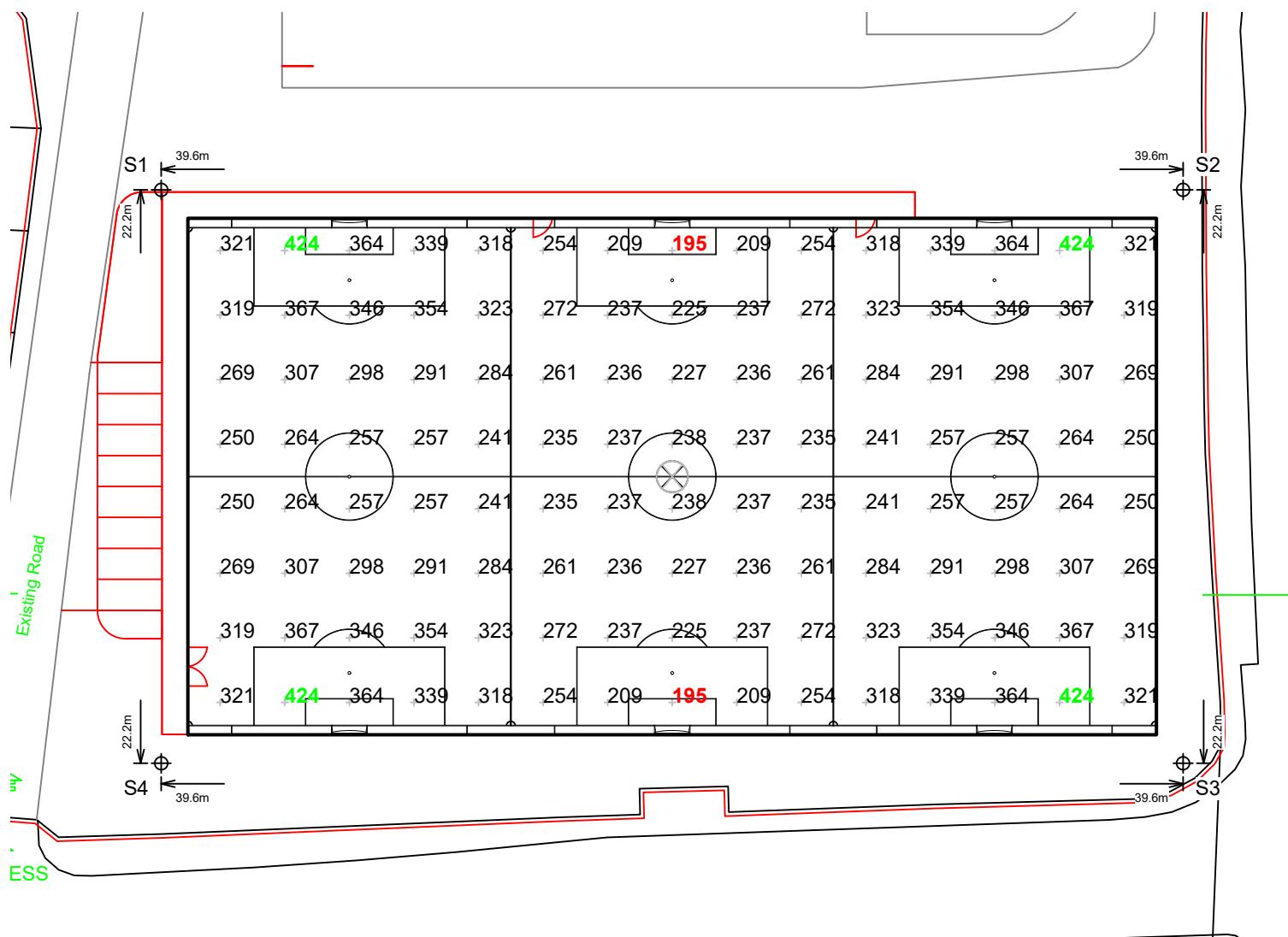
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EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	S1-S4	15.24m	-	15.24m	TLC-LED-900	3	3	0
4	TOTALS					12	12	0



SCALE 1: 500

0 20m 40m

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GRID SUMMARY

Name: Football
Size: 75.0m x 40.0m
Spacing: 5.0m x 5.0m
Height: 1.0m above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL LUX	
Guaranteed Average:	250
Scan Average:	285.94
Maximum:	424.40
Minimum:	194.63
Guaranteed Min / Avg:	0.6
Min / Avg:	0.68
Min / Max:	0.46
UG (adjacent pts):	1.32
CU:	0.76
No. of Points:	120
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	12
Total Load:	10.68 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



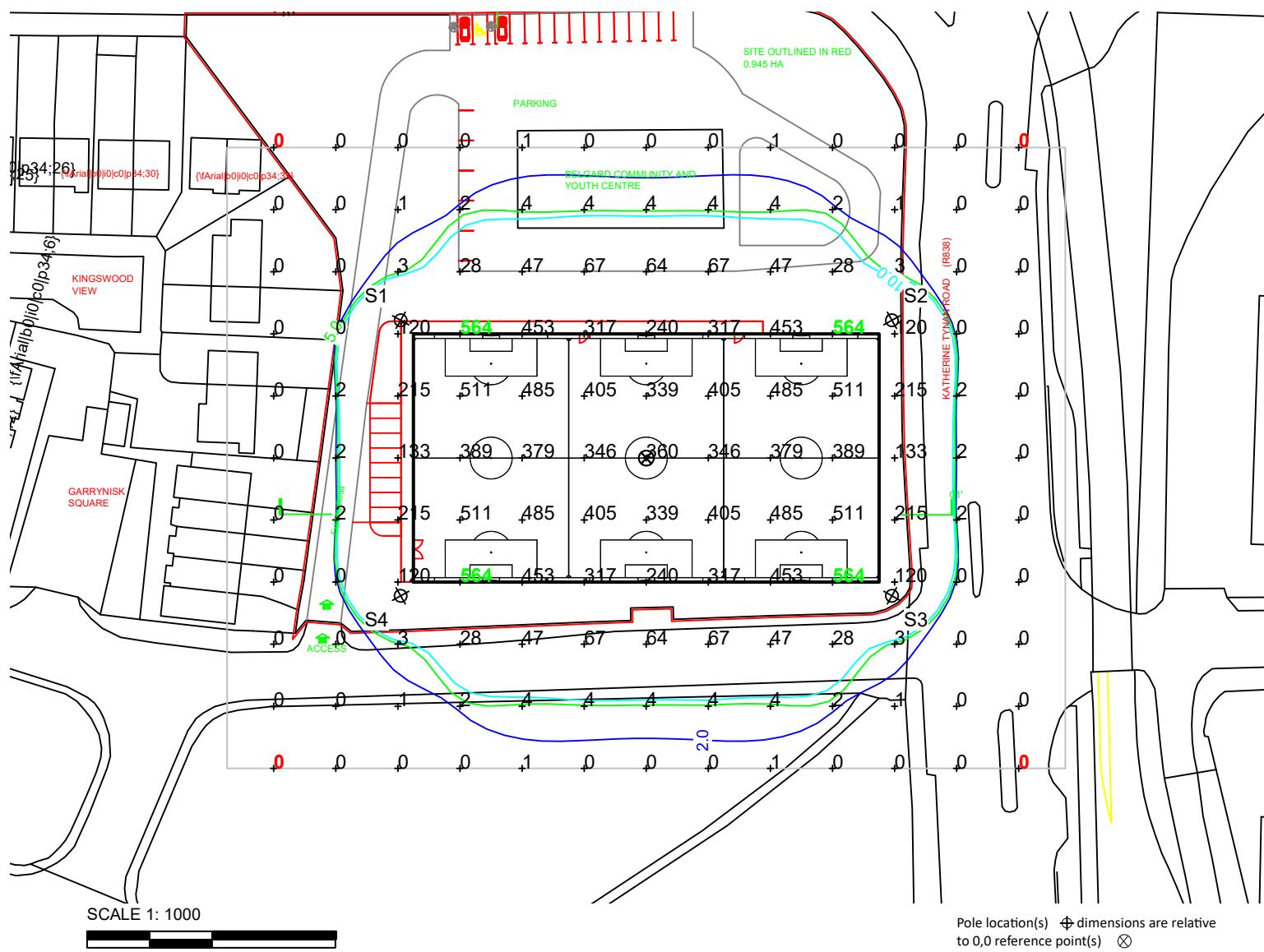
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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	S1-S4	15.24m	-	15.24m	TLC-LED-900	3	3	0
4						12	12	0
TOTALS								



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GRID SUMMARY

Name:	Blanket Spill
Spacing:	10.0m x 10.0m
Height:	1.0m above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL LUX

Entire Grid

Scan Average: **119.39**

Maximum: 563.79

Minimum: 0.00

Min / Avg: 0.00

Min / Max: **0.00**

UG (adjacent pts): 339.36

CU: 1.00

No. of Points: 143

LUMINAIRE INFORMATION

Applied Circuits: A

No. of Luminaires: **12**

Total Load: 10.68 kW

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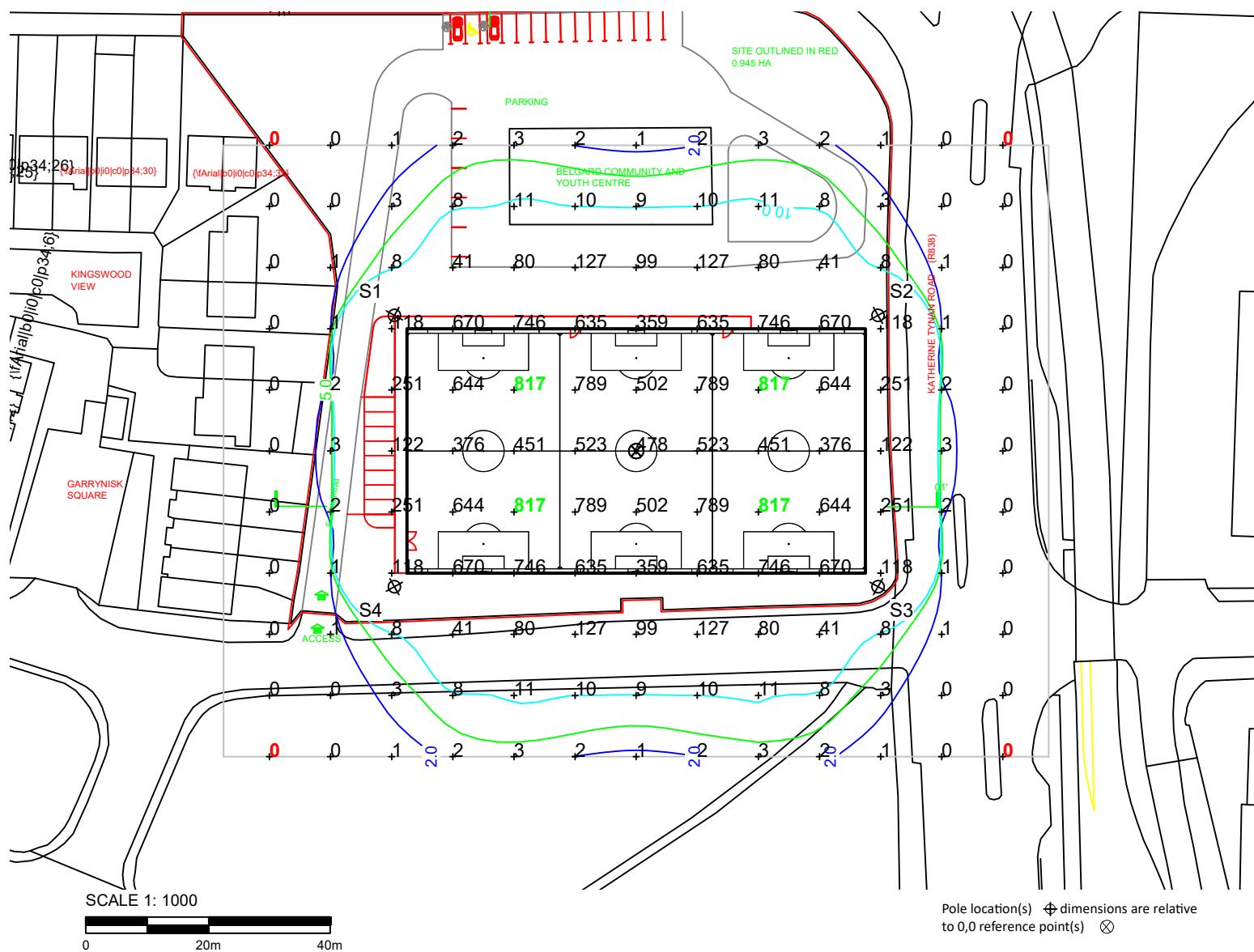
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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	S1-S4	15.24m	-	15.24m	TLC-LED-900	3	3	0
4	TOTALS					12	12	0



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GRID SUMMARY

Name: Blanket Spill
Spacing: 10.0m x 10.0m
Height: 1.0m above grade

ILLUMINATION SUMMARY

MAINTAINED MAX VERTICAL LUX

Scan Average:	176.57
Maximum:	817.50
Minimum:	0.01
Min / Avg:	0.00
Min / Max:	0.00
UG (adjacent pts):	116.51
CU:	1.00
No. of Points:	143

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Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

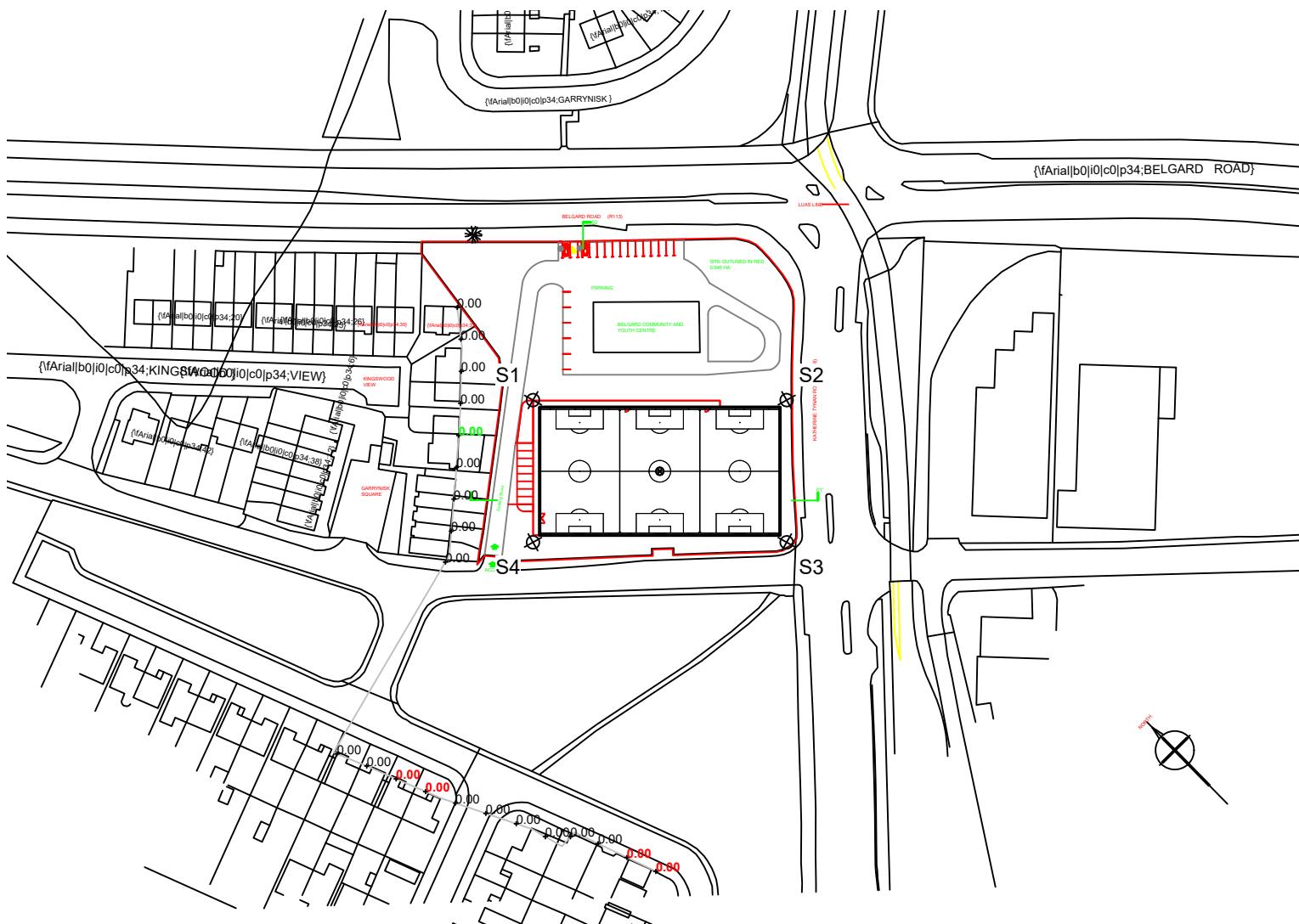


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EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	S1-S4	15.24m	-	15.24m	TLC-LED-900	3	3	0
4	TOTALS					12	12	0



SCALE 1 : 2000

0 20m 40m

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Pole location(s) \oplus dimensions are relative
to 0,0 reference point(s) \otimes

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GRID SUMMARY

Name: LTW at 1.5m
Spacing: 10.0m
Height: 1.5m above grade

ILLUMINATION SUMMARY

HORIZONTAL LUX

Scan Average:	0.0009
Maximum:	0.0040
Minimum:	0.0000
No. of Points:	21

LUMINAIRE INFORMATION

Applied Circuits: A
No. of Luminaires: 12
Total Load: 10.68 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



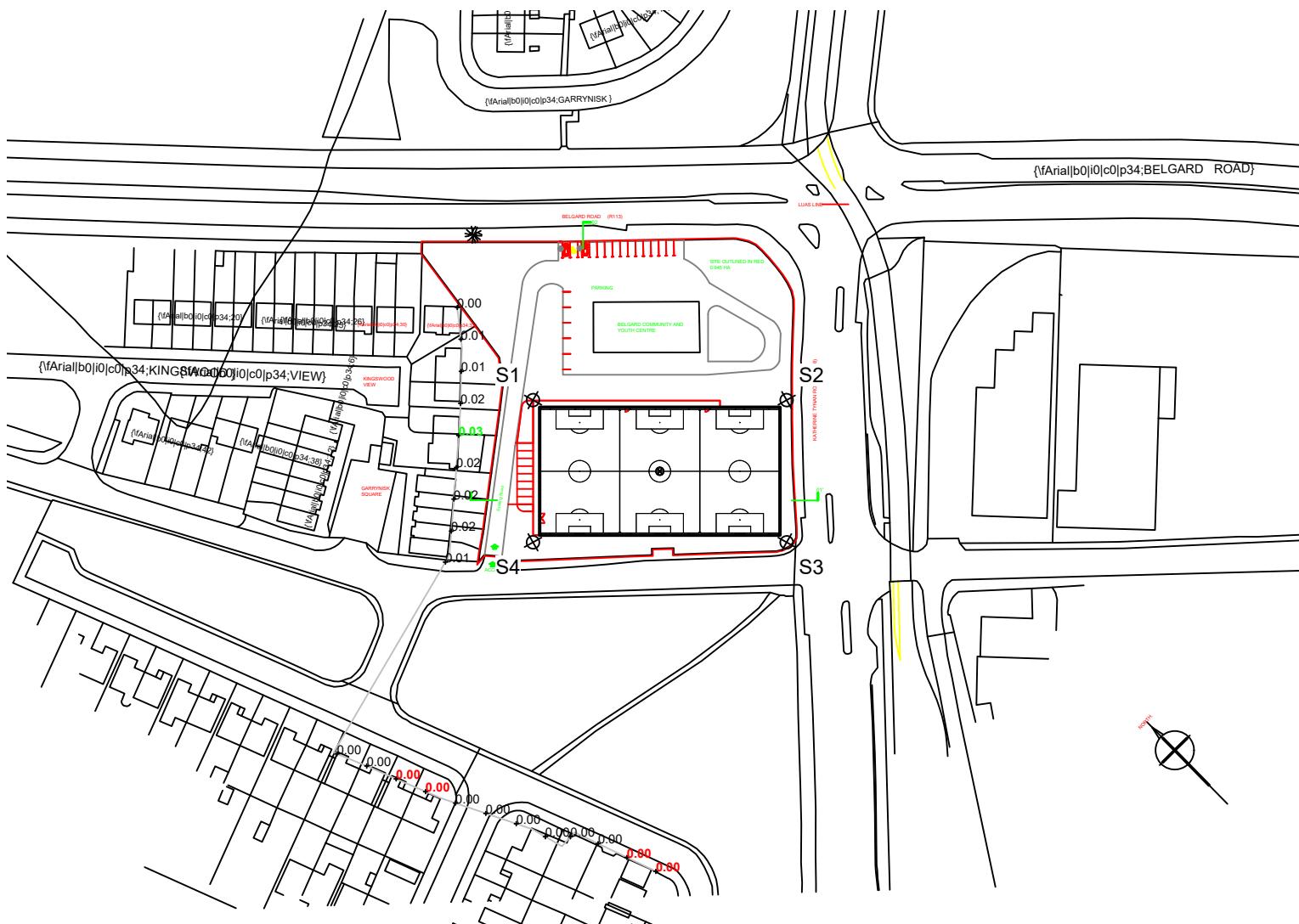
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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	S1-S4	15.24m	-	15.24m	TLC-LED-900	3	3	0
4	TOTALS					12	12	0



SCALE 1 : 2000

A horizontal scale bar with three segments. The first segment is white and labeled '0'. The second segment is black and labeled '20m'. The third segment is white and labeled '40m'.

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GRID SUMMARY

Name: LTW at 1.5m
Spacing: 10.0m
Height: 1.5m above grade

ILLUMINATION SUMMARY

MAX VERTICAL LUX

Scan Average:	0.0073
Maximum:	0.0302
Minimum:	0.0000
No. of Points:	21

LUMINAIRE INFORMATION

Applied Circuits: A
No. of Luminaires: 12
Total Load: 10.68 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



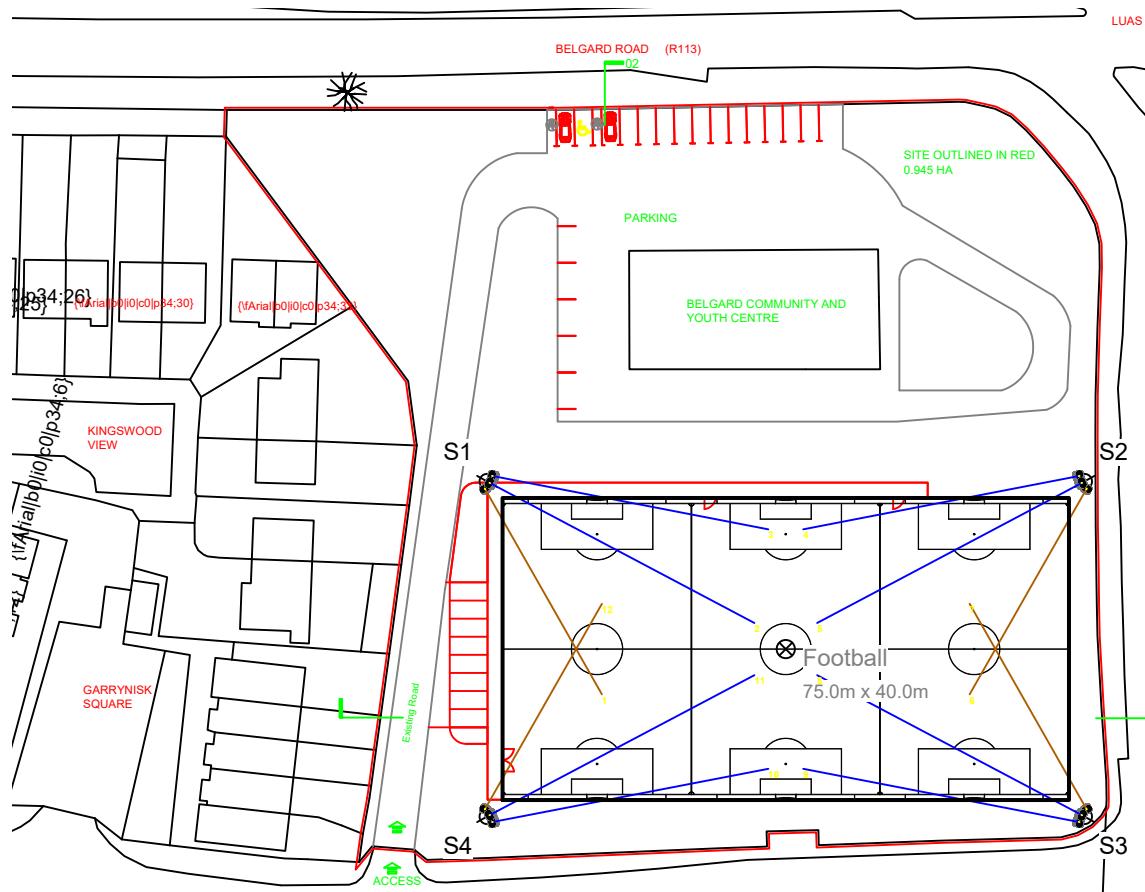
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ILLUMINATION SUMMARY

Belgard Community Centre

Dublin, Leinster



SCALE 1: 1000



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EQUIPMENT LAYOUT

INCLUDES:

- Football

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume $\pm 3\%$ nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

Pole			Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE
4	S1-S4	15.24m	-	15.24m	TLC-LED-900
TOTALS					12

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)		Line Amperage Per Luminaire (max draw)					
Single Phase Voltage		220 (50)	230 (50)	240 (50)	380 (50)	400 (50)	415 (50)
TLC-LED-900		5.0	4.8	4.6	2.9	2.8	2.7



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EQUIPMENT LAYOUT

Pole location(s) dimensions are relative to 0,0 reference point(s)