

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	

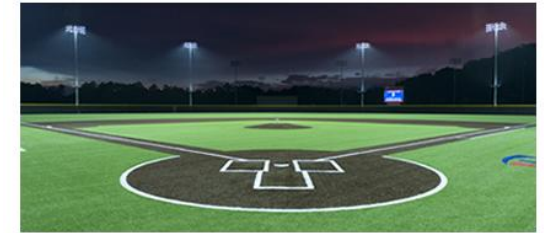
Circuit Summary			
Circuit	Description	Load	Fixture Qty
A		10.68 kW	12

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

From Hometown to Professional



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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
TOTALS						12	12	0

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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

	Entire Grid
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

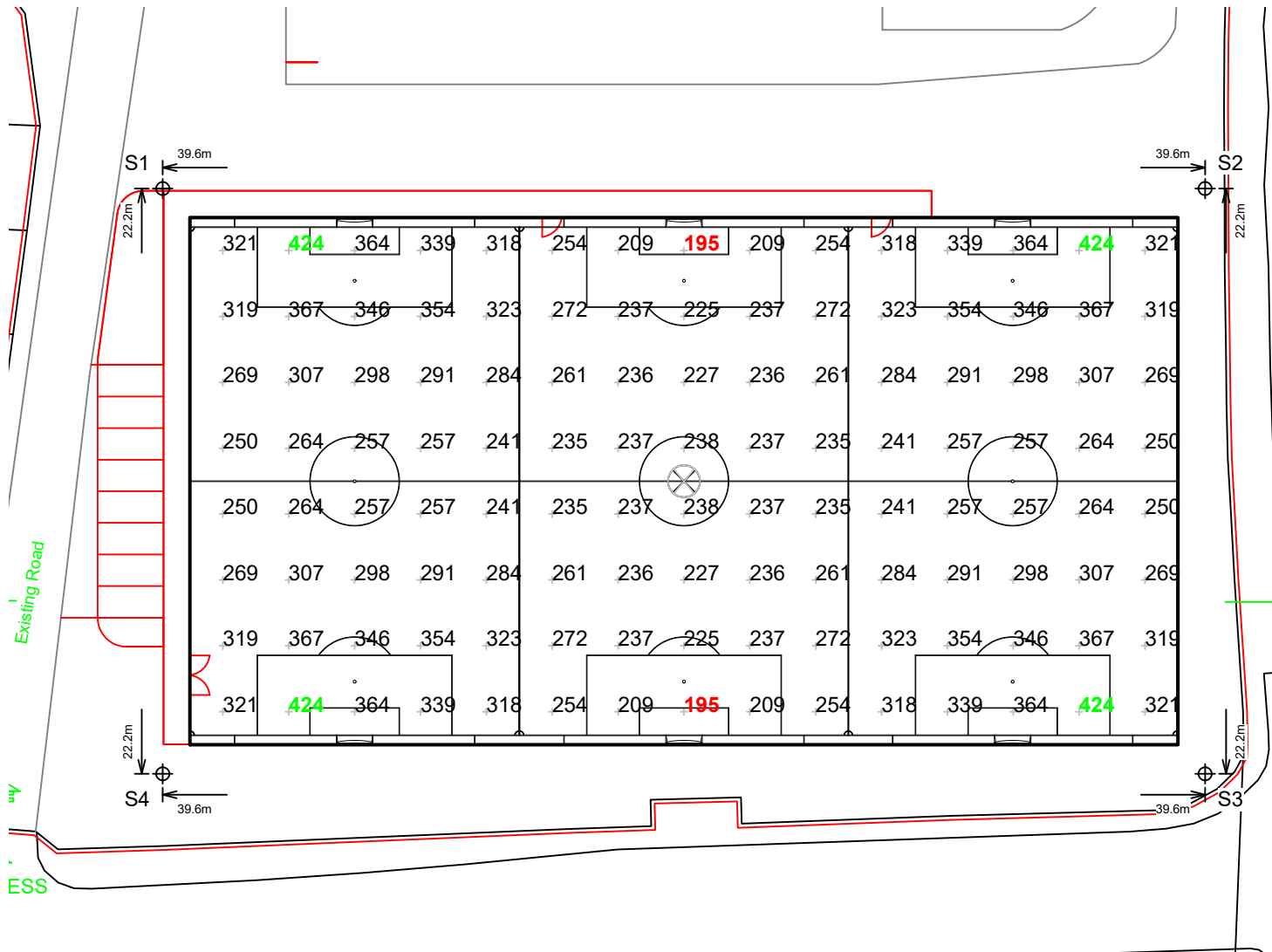
Applied Circuits: A
No. of Luminaires: 12
 Total Load: 10.68 kW

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 ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



KATHERINE TYNAN ROAD (R888)

01'

SCALE 1: 500



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



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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
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 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

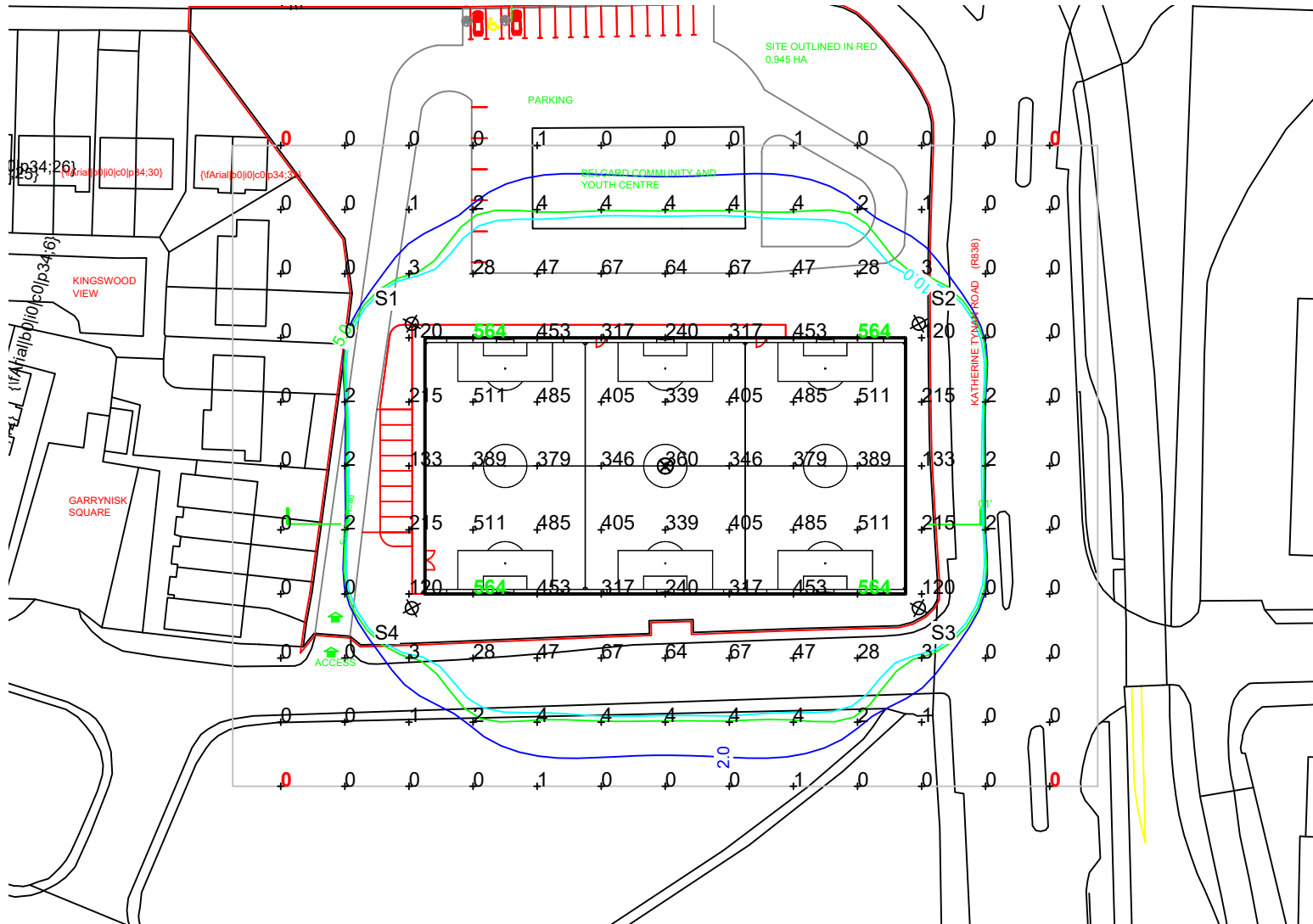
Total Load: 10.68 kW

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



SCALE 1: 1000



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



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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
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

Entire Grid	
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

LUMINAIRE INFORMATION

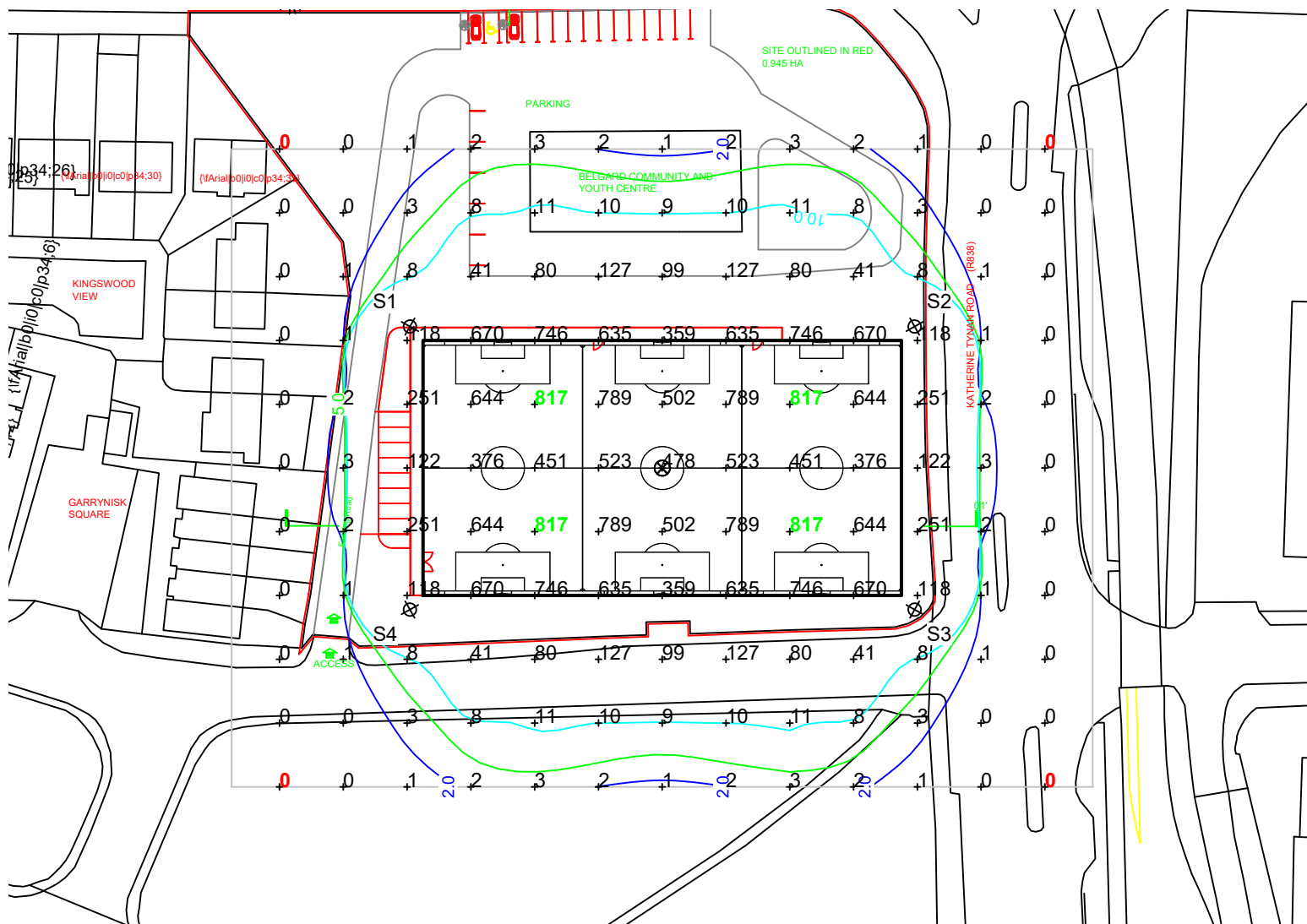
Applied Circuits: A
No. of Luminaires: 12
 Total Load: 10.68 kW

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SCALE 1: 1000



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



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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
TOTALS						12	12	0

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GRID SUMMARY

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

ILLUMINATION SUMMARY

HORIZONTAL LUX

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

LUMINAIRE INFORMATION

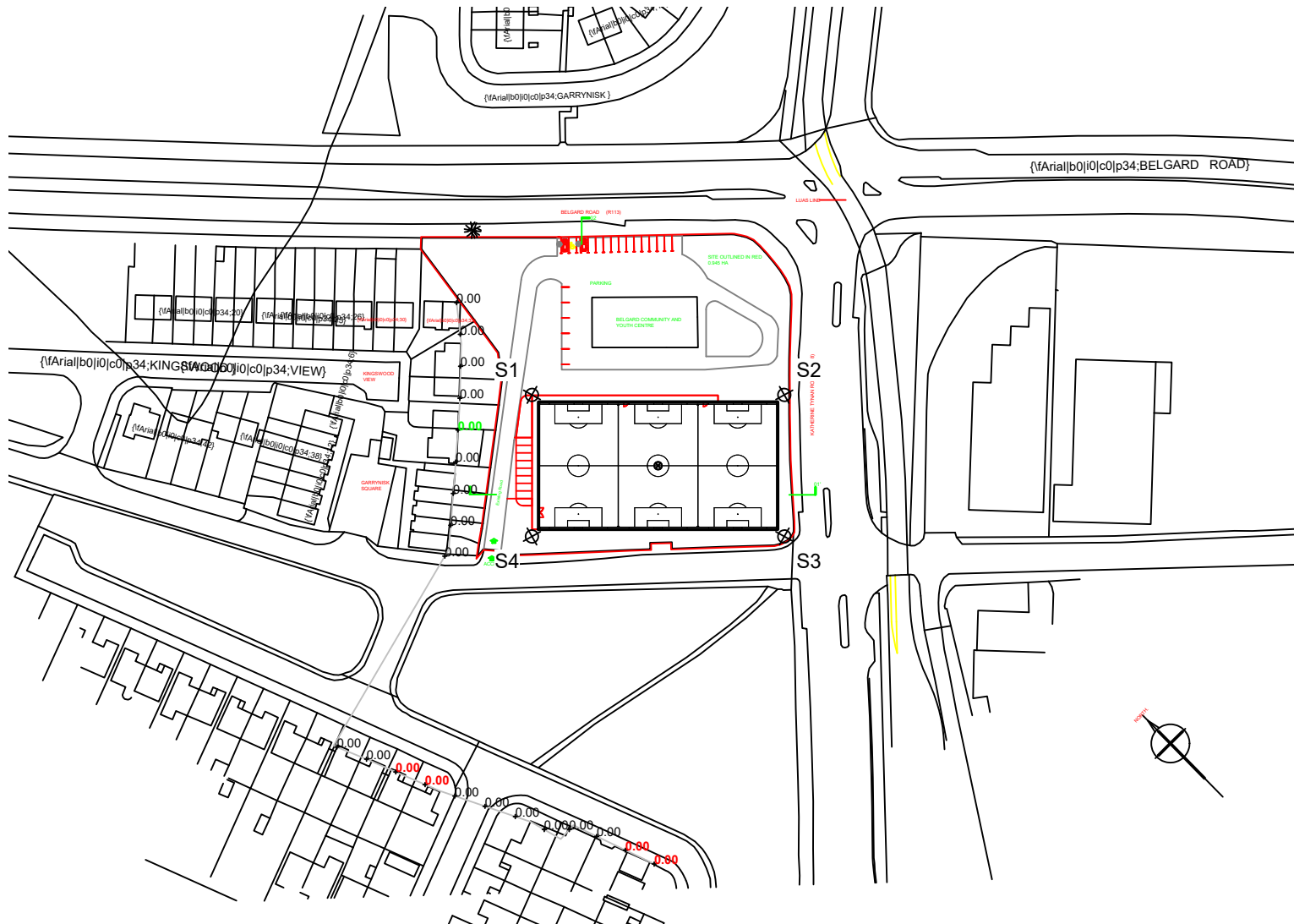
Applied Circuits: A
No. of Luminaires: 12
Total Load: 10.68 kW

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.



SCALE 1 : 2000



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



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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
TOTALS						12	12	0

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GRID SUMMARY

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

ILLUMINATION SUMMARY

MAX VERTICAL LUX

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

LUMINAIRE INFORMATION

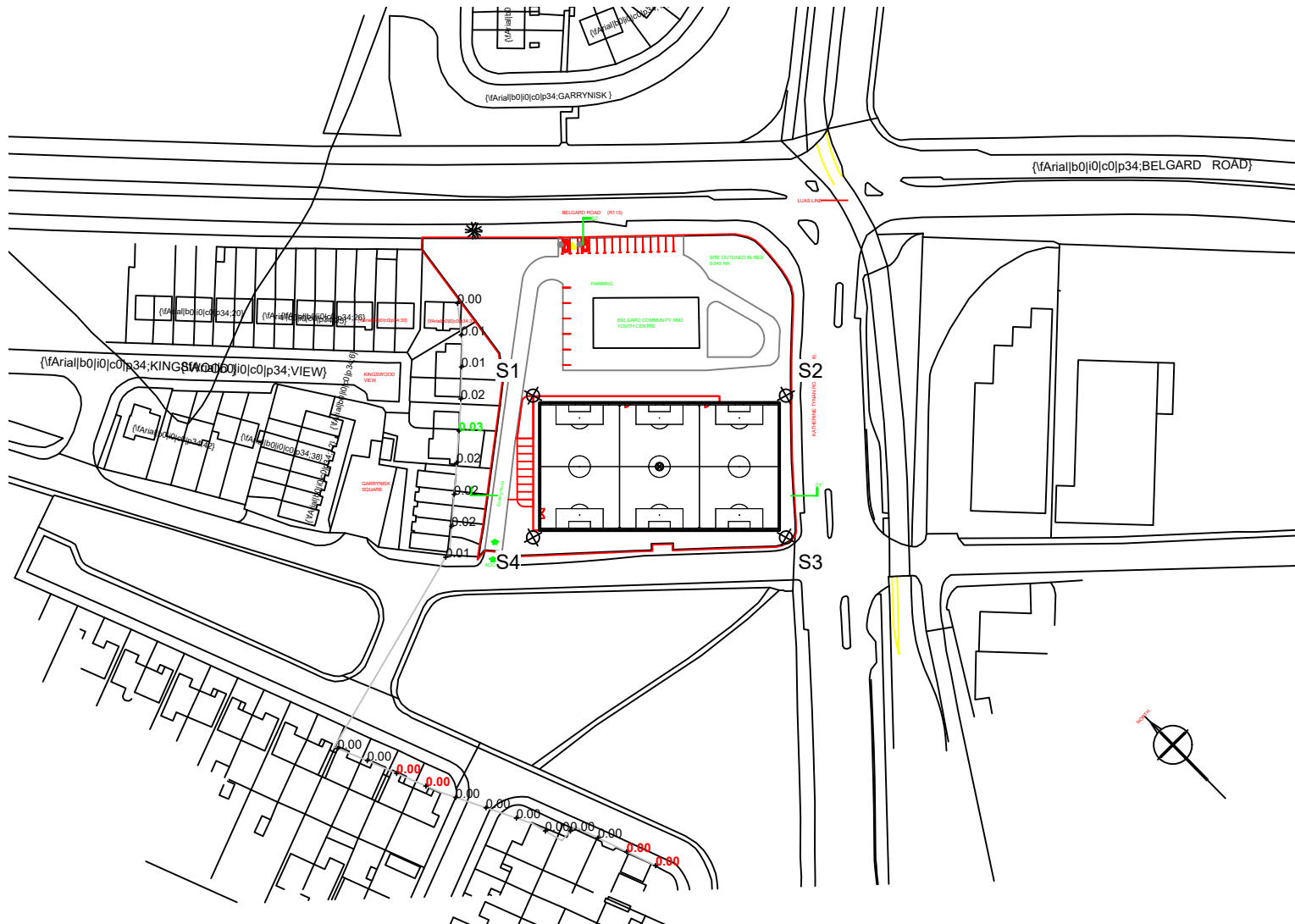
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No. of Luminaires: 12
 Total Load: 10.68 kW

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SCALE 1 : 2000



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ILLUMINATION SUMMARY

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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.

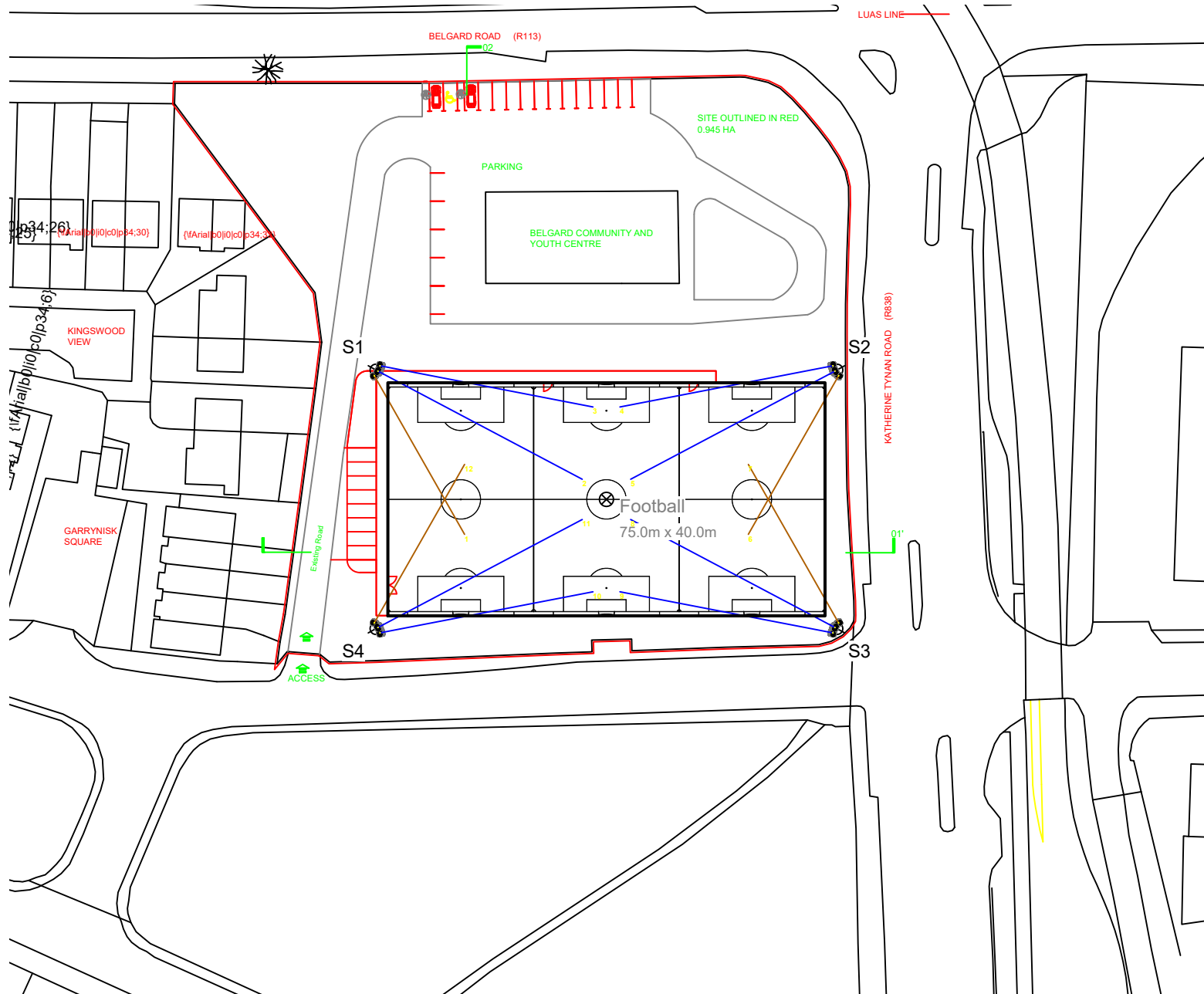
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

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

SINGLE LUMINAIRE AMPERAGE DRAW CHART

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



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