

# Cunningham Park Tennis

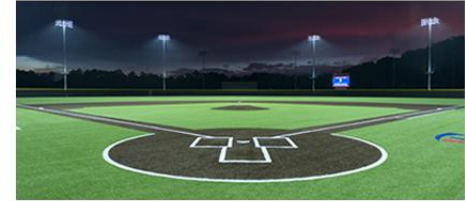
Vienna, VA

Attachment 03

## Lighting System

From Hometown to Professional

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
T1-T4	40'	40'	2	TLC-LED-550	1.08 kW	A
<b>4</b>			<b>8</b>		<b>4.32 kW</b>	



Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Tennis	4.32 kW	8



Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-550	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	8



Single Luminaire Amperage Draw Chart								
Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)							
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)	
Single Phase Voltage								
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4	

## Light Level Summary

Calculation Grid Summary		Illumination Ave					Circuits	Fixture Qty
Grid Name	Calculation Metric	Ave	Min	Max	Max/Min	Ave/Min		
Blanket Grid	Horizontal	8.12	0	46	-	-	A	8
Tennis	Horizontal Illuminance	36.84	30	46	1.54	1.23	A	8



# Cunningham Park Tennis

Vienna, VA

## Equipment Layout

### INCLUDES:

· Tennis

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

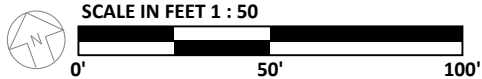
**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

## Equipment List For Areas Shown

QTY	LOCATION	Pole		Luminaires		
		SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
4	T1-T4	40'	-	40'	TLC-LED-550	2
4	Totals					8

## Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4



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



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**EQUIPMENT LAYOUT**

# Cunningham Park Tennis

Vienna, VA

## Grid Summary

Name **Blanket Grid**  
 Spacing 20.0' x 20.0'  
 Height 3.0' above grade

## Illumination Summary

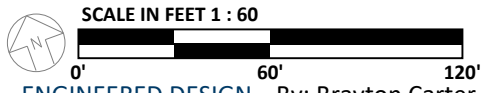
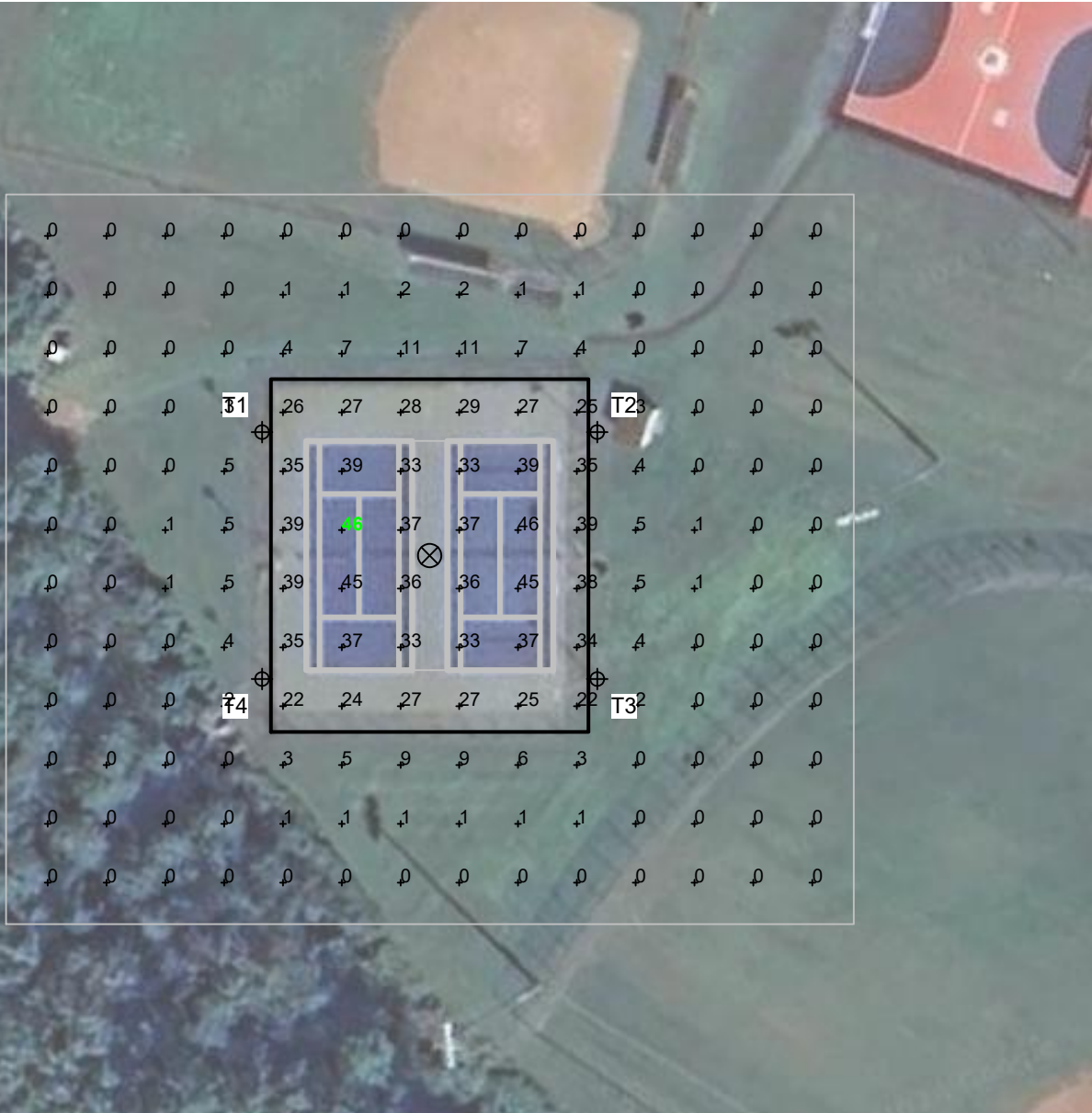
MAINTAINED HORIZONTAL FOOTCANDLES	
	Entire Grid
<b>Scan Average</b>	<b>8.12</b>
Maximum	46
Minimum	0
Avg/Min	-
<b>Max/Min</b>	<b>-</b>
UG (adjacent pts)	27.64
CU	1.00
No. of Points	168
<b>LUMINAIRE INFORMATION</b>	
Applied Circuits	A
<b>No. of Luminaires</b>	<b>8</b>
Total Load	4.32 kW

**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.



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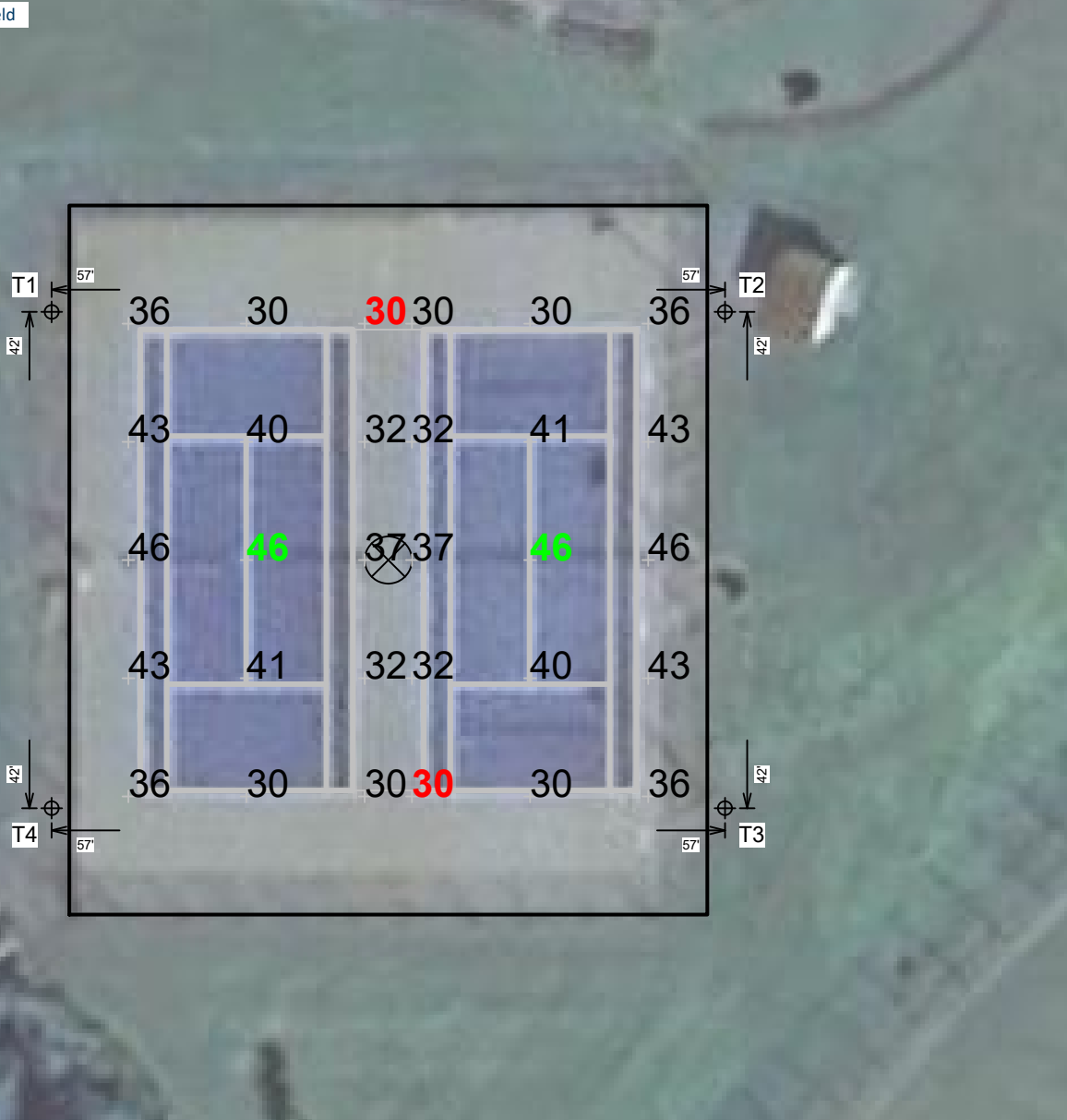
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## ILLUMINATION SUMMARY

### Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	T1-T4	40'	-	40'	TLC-LED-550	2	2	0
4	Totals					8	8	0

\*Above Grade level relative to the field



## Cunningham Park Tennis

Vienna, VA

### Grid Summary

**Name** Tennis  
**Size** 2 Court - 12' Spacing  
**Spacing** 20.0' x 20.0'  
**Height** 3.0' above grade

### Illumination Summary

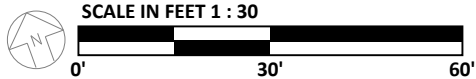
MAINTAINED HORIZONTAL FOOTCANDLES	
	Entire Grid
<b>Guaranteed Average</b>	<b>30</b>
Scan Average	36.84
Maximum	46
Minimum	30
Avg/Min	1.23
<b>Guaranteed Max/Min</b>	<b>2.5</b>
Max/Min	1.54
UG (adjacent pts)	0.00
CU	0.82
No. of Points	30
<b>LUMINAIRE INFORMATION</b>	
Applied Circuits	A
<b>No. of Luminaires</b>	<b>8</b>
Total Load	4.32 kW

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## ILLUMINATION SUMMARY