

Special Use Permit Application Form
Montgomery County, Virginia
755 Roanoke St. Suite 2A, Christiansburg, VA 24073
540-394-2148 | mcplan@montgomerycountyva.gov

Applicant Information: (PLEASE PRINT – if addition	al owners, please	attach additional sheets)
Owner of Record (attach separate page for add'l owners):		
Montgomery County Board of Supervisors	755 Roanoke Stre	et, St 2E, Christiansburg VA 24073
Telephone:	Email:	
540-382-6954	meadowsfc@mon	tgomerycountyva.gov
Applicant Name: Owner Contract Purchaser/Lessee	Address:	
Montgomery County Board of Supervisors	7.144.555.	
Telephone:	Email:	
Representative Name and Company:	Address:	
Telephone:	Email:	
Property Description:		
Location or Address: (Describe in relation to nearest inters	ection)	
3595 Riner Road, Riner VA 24149		
Parcel ID Number(s):	Acreage:	Existing Zoning:
019113	45.683	Agriculture (A1)
Comprehensive Plan Designation:	Existing Use:	
Resource Stewardship	Community Park L	Inder Construction
Description of Request: (Please provide additional informat	tion on attached sheet	if necessary)
Proposed Use(s) including acreage:		
Park, Lighted		
I certify that the information supplied on this application is accurate and true to the best of my knowledge. In a employees of Montgomery County and State of Virginiand reviewing the above application.  If signing on behalf of a Corporation, Partnership, or LLC,	ddition, I hereby g ia to enter the abo	rant permission to the agents and over property for the purposes of processing
documentation clarifying your authority to sign on behalf		title with the entity and provide
Craig Meadows		3/21/2023
<del>OWN</del> िराणः अधिक्रां प्राप्ति स्वारं		Date
Owner 2 Signature (for add'l owners please attach separate	e sheet)	Date
	,	
Applicant Signature		Date
Applicant digitators		Date
Danga antativa / Agant Cignatura		Data
Representative/Agent Signature		Date

**10** | Page 5/15/2019

# **Montgomery County Auburn Park**

Riner,VA

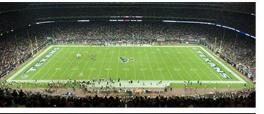
### **Lighting System**

A1 60' 60' 3 TLC-LED-900 2.64 kW A 60' 3 TLC-LED-900 2.64 kW B 16' 1 TLC-87575 0.58 kW A A 2 60' 60' 3 TLC-LED-900 2.64 kW B A2 60' 60' 3 TLC-LED-900 2.64 kW B A3 60' 60' 3 TLC-LED-900 2.64 kW A A3 60' 60' 3 TLC-LED-900 2.64 kW A A3 60' 60' 3 TLC-LED-900 2.64 kW B A4-45 60' 60' 3 TLC-16D-900 2.64 kW C A-6-45 60' 60' 3 TLC-16D-900 2.64 kW C A-6-47 60' 60' 3 TLC-16D-900 2.64 kW C A-6-A7 60' 60' 3 TLC-16D-900 2.64 kW C A-6-A7 60' 60' 3 TLC-16D-900 2.64 kW D B1 70' 70' 2 TLC-16D-900 2.64 kW D B1 70' 70' 2 TLC-16D-900 2.64 kW B A-70' 2 TLC-16D-900 1.76 kW A A A 5 60' 60' 2 TLC-16D-900 1.76 kW A A 5 60' 60' 2 TLC-16D-900 1.76 kW A A 6 60' 2 TLC-16D-900 1.76 kW A A 7 70' 2 TLC-16D-900 1.76 kW A A 7 16' 1 TLC-8T-575 0.58 kW A A 16' 1 TLC-8T-575 0.58 kW B B 8 60' 60' 2 TLC-16D-900 1.76 kW A A 16' 1 TLC-8T-575 0.58 kW B A 16' 1 TLC-8T-575 0.58 kW B A 16' 1 TLC-8T-575 0.58 kW A A 16' 1 TLC-8T-575 0.58 kW A A 17 TLC-8T-575 0.58 kW A A 16' 1 TLC-8T-575 0.58 kW A A 17 TLC-8T-575 0.58 kW A A 16' 1 TLC-8T-575 0.58 kW A A 17 TLC-8T-575 0.58 k	Pole / Fixture						
60°   3							Circuit
16'	A1	60'		_			
A2   60'   60'   3   T.CBT-575   0.58 kW   A							
A2							
A3   60'   60'   3   TLC-LED-900   2.64 kW   B							
A3   60'   60'   3	A2	60'	60'	3	TLC-LED-900	2.64 kW	Α
A4-A5			16'	1	TLC-BT-575	0.58 kW	Α
A4-A5	A3	60'	60'	3	TLC-LED-900	2.64 kW	В
A6-A7			16'	1	TLC-BT-575	0.58 kW	В
A6-A7	A4-A5	60'	60'	3	TLC-LED-900	2.64 kW	С
B1			16'	1	TLC-BT-575	0.58 kW	С
B1	A6-A7	60'	60'	3	TLC-LED-900	2.64 kW	D
70'   2   TLC-LED-1200   2.34 kW   B   70'   2   TLC-LED-900   1.76 kW   A   70'   2   TLC-LED-900   1.76 kW   A   70'   2   TLC-LED-900   1.76 kW   A   16'   1   TLC-BT-575   0.58 kW   A   TLC-BT-575   0.58 kW   A   A   TLC-BT-575   0.58 kW   B   A   TLC-BT-575   0.58 kW   C   TLC-BT-575   0.58 kW   C   TLC-BT-575   0.58 kW   C   TLC-BT-575   0.58 kW   C   TLC-BT-575   0.58 kW   D   TLC-BT-575   0.58 kW   A   TLC-BT-575   0.58 kW   D   TLC-			16'	1	TLC-BT-575	0.58 kW	D
70'   2   TLC-LED-900	B1	70'	70'	2	TLC-LED-1200	2.34 kW	Α
Time			70'	2	TLC-LED-1200	2.34 kW	В
16'			70'	2	TLC-LED-900	1.76 kW	Α
16'			70'	2	TLC-LED-900	1.76 kW	В
B2         60'         60'         2         TLC-LED-1200         2.34 kW         A           60'         2         TLC-LED-900         1.76 kW         A           B3         60'         60'         2         TLC-LED-1200         2.34 kW         B           B3         60'         60'         2         TLC-LED-1200         2.34 kW         B           B4-B5         60'         60'         2         TLC-LED-900         1.76 kW         C           B6-B5         60'         60'         2         TLC-LED-1200         2.24 kW         C           B6-B7         60'         60'         2         TLC-LED-1200         2.24 kW         C           B6-B7         60'         60'         2         TLC-LED-900         1.76 kW         C           B6-B7         60'         60'         2         TLC-LED-1200         2.34 kW         D           C1-C2         60'         60'         2         TLC-LED-1200         1.76 kW         D           C1-C2         60'         60'         1         TLC-LED-1200         1.17 kW         A           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW			16'	1		0.58 kW	Α
B2         60'         60'         2         TLC-LED-1200         2.34 kW         A           60'         2         TLC-LED-900         1.76 kW         A           B3         60'         60'         2         TLC-LED-1200         2.34 kW         B           B3         60'         60'         2         TLC-LED-1200         2.34 kW         B           B4-B5         60'         60'         2         TLC-LED-900         1.76 kW         C           B6-B5         60'         60'         2         TLC-LED-1200         2.24 kW         C           B6-B7         60'         60'         2         TLC-LED-1200         2.24 kW         C           B6-B7         60'         60'         2         TLC-LED-900         1.76 kW         C           B6-B7         60'         60'         2         TLC-LED-1200         2.34 kW         D           C1-C2         60'         60'         2         TLC-LED-1200         1.76 kW         D           C1-C2         60'         60'         1         TLC-LED-1200         1.17 kW         A           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW			16'	1	TLC-BT-575	0.58 kW	В
B3   60'   2   TLC-LED-900   1.76 kW   A	B2	60'					
B3   60'   60'   2   TLC-LED-1200   2.34 kW   B							
B3         60'         60'         2         TLC-LED-1200         2.34 kW         B           60'         2         TLC-LED-900         1.76 kW         B           16'         1         TLC-BT-575         0.58 kW         B           B4-B5         60'         60'         2         TLC-LED-1200         2.34 kW         C           60'         2         TLC-LED-900         1.76 kW         C           B6-B7         60'         60'         2         TLC-LED-1200         2.34 kW         D           B6-B7         60'         60'         2         TLC-LED-1200         2.34 kW         D           C1-C2         60'         60'         2         TLC-LED-1200         2.34 kW         D           C1-C2         60'         60'         2         TLC-LED-900         1.76 kW         D           C1-C2         60'         60'         1         TLC-LED-1200         1.17 kW         A           C1-C2         60'         60'         1         TLC-LED-900         1.76 kW         A           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW         B           C5-C6         60'							
B	R3	60'					
16'		- 00					
B4-B5         60'         60'         2         TLC-LED-1200         2.34 kW         C           60'         2         TLC-LED-900         1.76 kW         C           B6-B7         60'         60'         2         TLC-LED-1200         2.34 kW         D           B6-B7         60'         60'         2         TLC-LED-1200         2.34 kW         D           CB-B7         60'         60'         2         TLC-LED-900         1.76 kW         D           BB-B7         60'         60'         1         TLC-BT-575         0.58 kW         D           C1-C2         60'         60'         1         TLC-LED-1200         1.17 kW         A           BB         16'         1         TLC-LED-1200         1.76 kW         A           C3-C4         60'         60'         1         TLC-LED-900         1.76 kW         B           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           BB         16'         1         TLC-LED-1200         1.17 kW         C							
B60'   2   TLC-LED-900   1.76 kW   C	B4-B5	60'					
16'	B4-80	- 00					
B6-B7         60'         60'         2         TLC-LED-1200         2.34 kW         D           60'         2         TLC-LED-900         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           C1-C2         60'         60'         1         TLC-LED-1200         1.17 kW         A           60'         2         TLC-LED-900         1.76 kW         A           16'         1         TLC-BT-575         0.58 kW         A           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW         B           60'         2         TLC-LED-900         1.76 kW         B           60'         2         TLC-LED-1200         1.17 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C         C         60'         2         TLC-LED-900         1.76 kW         C           60'         2         TLC-LED-1200         1.17 kW         D         C         60'         1         TLC-LED-1200         1.17 kW         D							
60'         2         TLC-LED-900         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           C1-C2         60'         60'         1         TLC-LED-1200         1.17 kW         A           60'         2         TLC-LED-900         1.76 kW         A           16'         1         TLC-BT-575         0.58 kW         A           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW         B           60'         2         TLC-LED-900         1.76 kW         B           60'         2         TLC-LED-900         1.76 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C         C         60'         2         TLC-LED-900         1.76 kW         C           7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-1200         1.17 kW         D           60'         1         TLC-LED-1200         1.17 kW         D	De D7	601					
C1-C2         60'         60'         1         TLC-BT-575         0.58 kW         D           C1-C2         60'         60'         1         TLC-LED-1200         1.17 kW         A           60'         2         TLC-LED-900         1.76 kW         A           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW         B           60'         2         TLC-LED-900         1.76 kW         B           60'         2         TLC-LED-900         1.76 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C         C         60'         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C         C         C         7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D         D         1.76 kW         D         D         1.77 kW         D         D	B0-B7	60'					
C1-C2         60'         60'         1         TLC-LED-1200         1.17 kW         A           60'         2         TLC-LED-900         1.76 kW         A           16'         1         TLC-BT-575         0.58 kW         A           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW         B           60'         2         TLC-LED-900         1.76 kW         B           C5-C6         60'         60'         1         TLC-BT-575         0.58 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C           16'         1         TLC-BT-575         0.58 kW         C           C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-1200         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           S5-S8         80'         <							
C3-C4	04.00	001					
C3-C4         60'         60'         1         TLC-BT-575         0.58 kW         A           C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW         B           60'         2         TLC-LED-900         1.76 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C           C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-900         1.76 kW         D           60'         2         TLC-LED-1200         1.17 kW         D           51-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         4         TLC-LED-1500         5.64 kW         F	C1-C2	60					
C3-C4         60'         60'         1         TLC-LED-1200         1.17 kW         B           60'         2         TLC-LED-900         1.76 kW         B           16'         1         TLC-BT-575         0.58 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C           C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-900         1.76 kW         D           60'         2         TLC-LED-900         1.76 kW         D           60'         2         TLC-LED-900         1.76 kW         D           51-S4         80'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           S5-S8         80'         80'         1         TLC-LED-1500         5.64 kW         F           S5-S8         80'         4         TLC-LED-1500         5.64 kW         F							
60'         2         TLC-LED-900         1.76 kW         B           16'         1         TLC-BT-575         0.58 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C           C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-1200         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           S5-S8         80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         4         TLC-LED-1500         5.64 kW         F							
16'         1         TLC-BT-575         0.58 kW         B           C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C           C7-C8         60'         60'         1         TLC-BT-575         0.58 kW         C           C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-900         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           S5-S8         80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         4         TLC-LED-1500         5.64 kW         F	C3-C4	60'					
C5-C6         60'         60'         1         TLC-LED-1200         1.17 kW         C           60'         2         TLC-LED-900         1.76 kW         C           16'         1         TLC-BT-575         0.58 kW         C           C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-900         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           S5-S8         80'         80'         1         TLC-LED-1500         5.64 kW         F           80'         4         TLC-LED-1500         5.64 kW         F						-	
60'         2         TLC-LED-900         1.76 kW         C           16'         1         TLC-BT-575         0.58 kW         C           C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-900         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           S5-S8         80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         4         TLC-LED-1500         5.64 kW         F							
16'         1         TLC-BT-575         0.58 kW         C           C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-900         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         80'         1         TLC-LED-1200         1.17 kW         F           80'         4         TLC-LED-1500         5.64 kW         F	C5-C6	60'	60'			1.17 kW	
C7-C8         60'         60'         1         TLC-LED-1200         1.17 kW         D           60'         2         TLC-LED-900         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         80'         1         TLC-LED-1200         1.17 kW         F           80'         4         TLC-LED-1500         5.64 kW         F			60'	2	TLC-LED-900	1.76 kW	С
60'         2         TLC-LED-900         1.76 kW         D           16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         80'         1         TLC-LED-1200         1.17 kW         F           80'         4         TLC-LED-1500         5.64 kW         F			16'	1	TLC-BT-575	0.58 kW	С
16'         1         TLC-BT-575         0.58 kW         D           S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         80'         1         TLC-LED-1200         1.17 kW         F           80'         4         TLC-LED-1500         5.64 kW         F	C7-C8	60'	60'	1	TLC-LED-1200	1.17 kW	D
S1-S4         80'         80'         1         TLC-LED-1200         1.17 kW         E           80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         80'         1         TLC-LED-1200         1.17 kW         F           80'         4         TLC-LED-1500         5.64 kW         F			60'	2	TLC-LED-900	1.76 kW	D
80'         4         TLC-LED-1500         5.64 kW         E           S5-S8         80'         80'         1         TLC-LED-1200         1.17 kW         F           80'         4         TLC-LED-1500         5.64 kW         F			16'	1	TLC-BT-575	0.58 kW	D
S5-S8         80'         80'         1         TLC-LED-1200         1.17 kW         F           80'         4         TLC-LED-1500         5.64 kW         F	S1-S4	80'	80'	1	TLC-LED-1200	1.17 kW	Е
80' 4 TLC-LED-1500 5.64 kW F			80'	4	TLC-LED-1500	5.64 kW	Е
	S5-S8	80'	80'	1	TLC-LED-1200	1.17 kW	F
			80'	4	TLC-LED-1500	5.64 kW	F
30   144   145.64 KW	30			144		145.64 kW	

# From Hometown to Professional











# **Montgomery County Auburn Park**

Riner,VA

Circuit Summ	Circuit Summary										
Circuit	Description	Load	Fixture Qty								
Α	Softball 1	22.79 kW	26								
В	Softball 2	22.79 kW	26								
С	Softball 3	22.79 kW	26								
D	Softball 4	22.79 kW	26								
E	Soccer 1	27.24 kW	20								
F	Soccer 2	27.24 kW	20								

Fixture Type Summary							
Туре	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	32
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	24
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	56
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	32

Single Luminaire Amperage Draw Chart										
Driver (.90 min power factor)	Max Line Amperage Per Luminaire						re			
Single Phase Voltage		220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)			
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6			
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8	1.5			
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3			
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0			

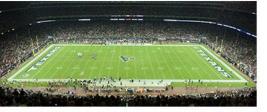
### **Light Level Summary**

Calculation Grid Summary											
Grid Name	Calculation Metric			Illumination			Circuits	Fixture Qty			
		Ave	Min	Max	Max/Min	Ave/Min					
Blanket Grid	Horizontal	5.84	0	64	0.00		A,B,C,D,E, F	144			
Soccer 1	Horizontal Illuminance	31.1	23	35	1.54	1.35	E	20			
Soccer 2	Horizontal Illuminance	31.1	23	35	1.54	1.35	F	20			
Softball 1 (Infield)	Horizontal Illuminance	52.1	36	63	1.73	1.45	Α	26			
Softball 1 (Outfield)	Horizontal Illuminance	33.1	26	46	1.78	1.27	Α	26			
Softball 2 (Infield)	Horizontal Illuminance	53.2	41	67	1.64	1.30	В	26			
Softball 2 (Outfield)	Horizontal Illuminance	33.2	26	43	1.68	1.28	В	26			
Softball 3 (Infield)	Horizontal Illuminance	51.6	41	61	1.50	1.26	С	26			
Softball 3 (Outfield)	Horizontal Illuminance	33.7	27	40	1.50	1.25	С	26			
Softball 4 (Infield)	Horizontal Illuminance	51.6	41	61	1.50	1.26	D	26			
Softball 4 (Outfield)	Horizontal Illuminance	33.7	27	40	1.50	1.25	D	26			

# From Hometown to Professional











#### **EQUIPMENT LIST FOR AREAS SHOWN** LOCATION SIZE TLC-LED-900 3/3\* TLC-BT-575 15.5' TLC-LED-900 2/2\* 70' TLC-LED-1200 B1 70' 15.5' TLC-BT-575 1/1\* TLC-LED-900 2/2\* TLC-LED-1200 15.5' TLC-BT-575 TLC-LED-900 TLC-LED-1200 C1-C2 60' 15.5' TLC-BT-575 TLC-LED-900 his structure utilizes a back-to-back 6 6 52 62 53 42 32 27 29 29 27 28 <sub>4</sub>55 50 30 31 30 29 35 33 32 31 29 31 39 38 35 31 27 27 31 37 40 31 36 27 28 35 30 30 28 31 38 36 31 42 36 34 37 35 33 SCALE IN FEET 1:50 to 0,0 reference point(s) $\otimes$

**ENGINEERED DESIGN** By: · File #223564A · 20-Mar-23

#### **Montgomery County Auburn Park** Riner,VA

**GRID SUMMARY** 

Name: Softball 1

Size: 225'/225'/225' - basepath 60' Spacing: 20.0' x 20.0'

Height: 3.0' above grade

**ILLUMINATION SUMMARY** Outfield **Guaranteed Average:** 33.13 Scan Average: 52.07 Maximum: 63 46 26 Minimum: 36 Avg / Min: 1.43 1.27 Guaranteed Max / Min: 2.5 Max / Min: 1.73 1.78 UG (adjacent pts): 1.25 1.33 CU: 0.67 No. of Points: 94 25 Applied Circuits: A No. of Luminaires: 26 Total Load: 22.79 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.



## **EQUIPMENT LIST FOR AREAS SHOWN** LOCATION **GRID SUMMARY** TLC-LED-900 15.5' 60' TLC-BT-575 TLC-LED-900 TLC-LED-1200 В1 70' 15.52' TLC-BT-575 1/1\* TLC-LED-900 TLC-LED-1200 15.5' TLC-BT-575 TLC-LED-900 TLC-LED-1200 C3-C4 60' TLC-BT-575 15.5' TLC-LED-900 This structure utilizes a back-to-back mounting configuration 32 35 37 36 31 33 32 39 38 34 34 31 41 35 31 30 30 31 27 27 27 29 33 31 29 32 33 36 33 36 37 35 33 34 34 33 29 33 34 51 30 29 Co. SCALE IN FEET 1:50 to 0,0 reference point(s) $\otimes$

**ENGINEERED DESIGN** By: · File #223564A · 20-Mar-23

#### **Montgomery County Auburn Park** Riner,VA

Name: Softball 2 Size: 225'/225'/225' - basepath 60' Spacing: 20.0' x 20.0'

Height: 3.0' above grade

Ш	ILLUMINATION SUMMARY								
Н	MAINTAINED HORIZONTAL FOOTCANDLES								
		Infield	Outfield						
	Guaranteed Average:	50	30						
	Scan Average:	53.19	33.20						
	Maximum:	67	43						
	Minimum:	41	26						
	Avg / Min:	1.31	1.29						
	Guaranteed Max / Min:	2	2.5						
	Max / Min:	1.64	1.68						
	UG (adjacent pts):	1.27	1.43						
	CU:	0.67							
	No. of Points:	25	94						
	LUMINAIRE INFORMATIO	N							
	Applied Circuits:	В							
	No. of Luminaires:	26							
	Total Load:	22.79 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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# **EQUIPMENT LIST FOR AREAS SHOWN** LOCATION A4-A5 60' TLC-LED-900 TLC-LED-1200 TLC-BT-575 B4-B5 15.5' TLC-LED-900 TLC-LED-1200 C5-C6 15.5' 60' TLC-BT-575 TLC-LED-900 31 31 32 33 37 30 32 35 33 32 35 53 33 53 56 32 33 52 48 61 35 50 33 35 55 36 28 37 SCALE IN FEET 1:50 Pole location(s) $\oplus$ dimensions are relative to 0,0 reference point(s) $\otimes$

**ENGINEERED DESIGN** By: · File #223564A · 20-Mar-23

# **Montgomery County Auburn Park**

Riner,VA

ILLUMINATION SUMMARY									
MAINTAINED HORIZONTA	MAINTAINED HORIZONTAL FOOTCANDLES								
	Infield	Outfield							
Guaranteed Average:	50	30							
Scan Average:	51.64	33.69							
Maximum:	61	40							
Minimum:	41	27							
Avg / Min:	1.27	1.26							
Guaranteed Max / Min:	2	2.5							
Max / Min:	1.50	1.50							
UG (adjacent pts):	1.22	1.40							
CU:	0.67								
No. of Points:	25	94							
LUMINAIRE INFORMATIO	N								
Applied Circuits:	С								
No. of Luminaires:	26								
Total Load:	22.79 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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### **EQUIPMENT LIST FOR AREAS SHOWN** QTY LOCATION SIZE ELEVATION **GRID SUMMARY** TLC-LED-900 60' TLC-LED-1200 TLC-BT-575 B6-B7 15.5' TLC-LED-900 TLC-LED-1200 C7-C8 15.5' 60' TLC-BT-575 TOTALS 32 31 39 37 33 37 30 32 28 33 33 32 38 46 30 33 53 (56 32 उद द 52 61 35 33 .37 35 28 36 B6 SCALE IN FEET 1:50 Pole location(s) $\oplus$ dimensions are relative to 0,0 reference point(s) $\otimes$

**ENGINEERED DESIGN** By: · File #223564A · 20-Mar-23

#### **Montgomery County Auburn Park** Riner,VA

Name: Softball 4
Size: 225'/225'/225' - basepath 60' Spacing: 20.0' x 20.0'

Height: 3.0' above grade

ILLUMINATION SUMMARY									
MAINTAINED HORIZONTA	MAINTAINED HORIZONTAL FOOTCANDLES								
	Infield	Outfield							
Guaranteed Average:	50	30							
Scan Average:	51.64	33.69							
Maximum:	61	40							
Minimum:	41	27							
Avg / Min:	1.27	1.26							
Guaranteed Max / Min:	2	2.5							
Max / Min:	1.50	1.50							
UG (adjacent pts):	1.22	1.40							
CU:	0.67								
No. of Points:	25	94							
LUMINAIRE INFORMATIO	N								
Applied Circuits:	D								
No. of Luminaires:	26								
Total Load:	22.79 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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EQI	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	80'	-	80'	TLC-LED-1200	1	1	0				
				80'	TLC-LED-1500	4	4	0				
4	4 TOTALS						20	0				

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# **Montgomery County Auburn Park**

Riner,VA

**GRID SUMMARY** Name: Soccer 1 Size: 360' x 225' Spacing: 30.0' x 30.0' Height: 3.0' above grade

ILLUMINATION SUMMARY							
MAINTAINED HORIZONTAL FOOTCANDLES							
	Entire Grid						
Guaranteed Average:	30						
Scan Average:	31.10						
Maximum:	35						
Minimum:	23						
Avg / Min:	1.35						
Guaranteed Max / Min:	2.5						
Max / Min:	1.54						
UG (adjacent pts):	1.28						
CU:	0.75						
No. of Points:	96						
LUMINAIRE INFORMATIO	N						
Applied Circuits:	E						
No. of Luminaires:	20						
Total Load:	27.24 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.

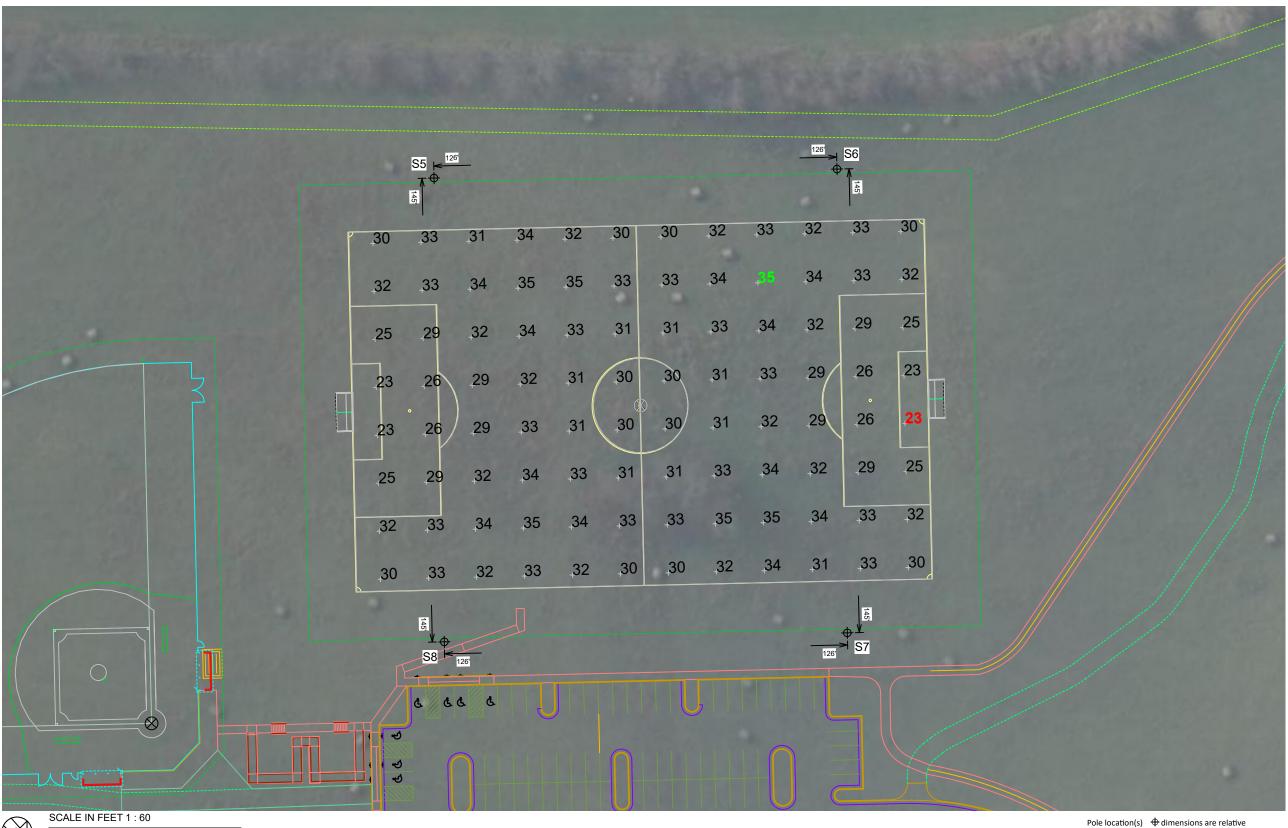
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



to 0,0 reference point(s)  $\otimes$ 

EQI	EQUIPMENT LIST FOR AREAS SHOWN											
	Pole Luminaires											
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE Type	QTY / POLE	THIS GRID	OTHER GRIDS				
4	S5-S8	80'	-	80'	TLC-LED-1200	1	1	0				
				80'	TLC-LED-1500	4	4	0				
4	4 TOTALS						20	0				

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#### **Montgomery County Auburn Park** Riner,VA

**GRID SUMMARY** Name: Soccer 2 Size: 360' x 225' Spacing: 30.0' x 30.0' Height: 3.0' above grade

#### **ILLUMINATION SUMMARY Entire Grid Guaranteed Average:** Scan Average: 31.10 Maximum: 35 23 Minimum: Avg / Min: 1.35 Guaranteed Max / Min: Max / Min: 1.54 1.28 UG (adjacent pts): CU: 0.75 No. of Points: 96 LUMINAIRE INFORMATION Applied Circuits: F No. of Luminaires: 20 Total Load: 27.24 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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to 0,0 reference point(s)  $\otimes$ 



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**Montgomery County Auburn Park** 

Riner,VA

**GRID SUMMARY** Name: Blanket Grid Spacing: 30.0' x 30.0' Height: 3.0' above grade

**ILLUMINATION SUMMARY** Entire Grid Scan Average: Maximum: Minimum: Avg / Min: Max / Min: UG (adjacent pts): 344.33 0.93 CU: No. of Points: LUMINAIRE INFORMATION Applied Circuits: A, B, C, D, E, F No. of Luminaires: 144 Total Load: 145.64 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.



to 0,0 reference point(s)  $\otimes$ 

# S5 Soccer B7 B4 Α7 A4 S7 B6 A6 B5 A5 S1 + В3 S4 A2 B2

SCALE IN FEET 1:200

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# **Montgomery County Auburn Park**

Riner,VA

#### **EQUIPMENT LAYOUT**

# INCLUDES: · Soccer 1 · Soccer 2

Softball 1 Softball 2

Softball 3

Softball 4

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.

l	EQ	QUIPMENT LIST FOR AREAS SHOWN										
		Po	ole		Luminaires							
	QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE Type	QTY / POLE					
	1	A1	60'	-	15.5' 60'	TLC-BT-575 TLC-LED-900	1/1* 3/3*					
	6	A2-A7	60'	-	15.5' 60'	TLC-BT-575 TLC-LED-900	1					
	1	B1	70'	-	70' 15.5' 70'	TLC-LED-1200 TLC-BT-575 TLC-LED-900	2/2* 1/1* 2/2*					
	6	B2-B7	60'	-	60' 15.5' 60'	TLC-LED-1200 TLC-BT-575 TLC-LED-900	2 1 2					
	8	C1-C8	60'	-	60' 15.5' 60'	TLC-LED-1200 TLC-BT-575 TLC-LED-900	1 1 2					
	8	S1-S8	80'	-	80' 80'	TLC-LED-1200 TLC-LED-1500	1 4					
	30			TOTAL	-		144					
	****											

\* This structure utilizes a back-to-back mounting configuration

SINGLE LUMINAIRE AMPERAGE DRAW CHART										
Driver (.90 min power factor)	Line Amperage Per Luminaire (max draw)									
Single Phase Voltage	208	220	240 (60)	277 (60)	347 (60)	380	480 (60)			
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6			
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8	1.5			
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3			
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0			



Pole location(s)  $\bigoplus$  dimensions are relative to 0,0 reference point(s)  $\bigotimes$