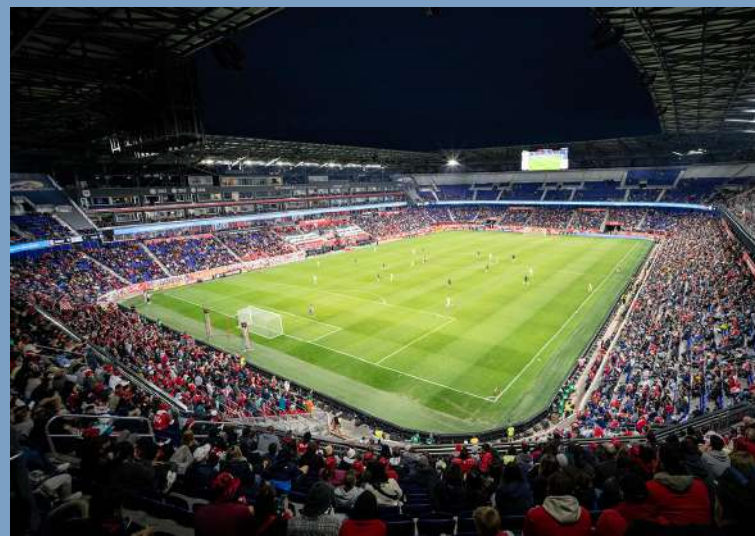




Sports Illustrated Stadium, Harrison, New Jersey, USA



UBS Arena, Elmont, New York, USA



Tottenham Hotspur FC Training Ground, Tottenham, London, UK



Iowa Women of Achievement Bridge, Des Moines, Iowa, USA

Benet Academy High School Football Baseball

Lisle, IL



Sales Representative: David Miller · Designed By: Z.Morris · Design No.: 225780J · June 06, 2025

Benet Academy High School Football Baseball

Lisle, IL

LIGHTING SYSTEM

Structure/Fixture Summary						
Structure ID	Structure Height	Fixt. Attachment Ht.	Fixture Qty	Fixture Type	Design Load	Circuit
F1-F2	90'	90'	2	TLC-LED-1200	2.34 kW	A
		90'	8	TLC-LED-1500	11.28 kW	A
		70'	2	TLC-RGBW	1.28 kW	B
		40'	1	TLC-RGB-U	0.43 kW	B
		35'	3	TLC-BT-575	1.72 kW	A
F3-F4	80'	80'	1	TLC-LED-1200	1.17 kW	A
		80'	8	TLC-LED-1500	11.28 kW	A
		70'	1	TLC-RGBW	0.64 kW	B
		26'	1	TLC-RGB-U	0.43 kW	B
		21'	3	TLC-BT-575	1.72 kW	A
P1-P4	30'	30'	2	TLC-LED-550	1.08 kW	C
T1-T2	50'	50'	3	TLC-LED-550	1.58 kW	D
10			74		72.08 kW	

*Fixtures in this design have dimmed output values to meet design specific needs.

Circuit Summary			
Circuit	Description	Design Load	Fixture Qty
A	Football	59.04 kW	50
B	RGB	5.56 kW	10
C	Long Jump Area	4.32 kW	8
D	Track	3.16 kW	6

Fixture Type Summary								
Type	Circuit	Source	Avg. Wattage	Avg. Lumens	L90	L80	L70	Quantity
TLC-BT-575	A	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	12
TLC-LED-1200	A	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	6
TLC-LED-1500	A	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	32
TLC-LED-550	C	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	8
TLC-LED-550	D	LED 5700K - 75 CRI	527W	67,196	>120,000	>120,000	>120,000	6
TLC-RGB-U	B	RED-GREEN (Shown)-BLUE	430W	16,000	21,300	>36,300	>36,300	4
TLC-RGBW	B	LED 5700K - 75 CRI	640W	28,500	>120,000	>120,000	>120,000	6

Single Fixture Amperage Draw Chart								
Driver Specifications (.90 min power factor)		Line Amperage Per Fixture (max draw)						
Single Phase Voltage		208 (60)	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-LED-1200		6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-BT-575		3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-550		3.2	3.0	2.8	2.4	1.9	1.8	1.4
TLC-RGB-U		3.0	2.9	2.6	2.3	1.8	1.6	1.3
TLC-RGBW		4.5	4.3	3.8	3.3	2.7	2.5	1.9

*Amp draw based on 100% fixture output, consult design specific datasheet for adjusted amperage draw chart

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Blanket Grid	Horizontal Illuminance	0.00	0	0	-	0.00	A,B,D,C	74
Bleachers	Horizontal Illuminance	30.20	7	45	6.55	4.40	A,B,C	68
Football	Horizontal Illuminance	51.30	41	60	1.48	1.26	A,B	60
Long Jump	Horizontal Illuminance	26.04	8	41	4.86	3.07	C	8
Maple Ave Spill Line at 3ft.	Horizontal Illuminance	0.0306	0.00	0.31	-	-	A,B,D,C	74
Maple Ave Spill Line at 5ft.	Max Candela Metric	5723.4565	14.13	19665.36	1391.472	404.978	A,B,D,C	74
Soccer	Horizontal Illuminance	51.62	41	59	1.45	1.27	A	50
Track	Horizontal Illuminance	25.90	4	45	10.87	6.23	A,B,D	66
West Property Spill Line at 3ft.	Horizontal Illuminance	0.0218	0.00	0.07	-	-	A,B,D,C	74
West Property Spill Line at 5ft.	Max Candela Metric	1018.2831	0.00	2364.12	-	-	A,B,D,C	74

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

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

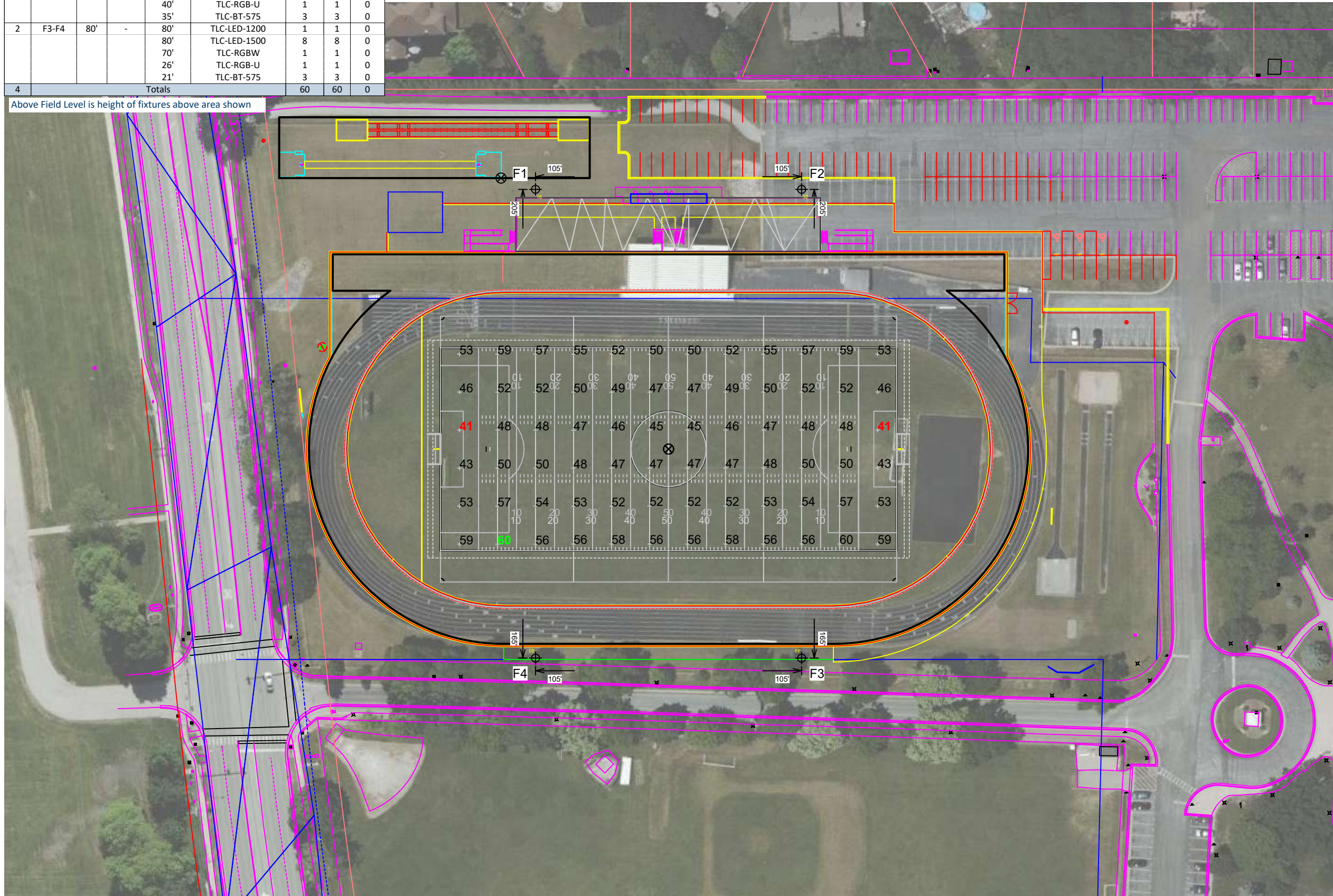
Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

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							
Structure				Fixtures			
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID
2	F1-F2	90'	-	90'	TLC-LED-1200	2	2
				90'	TLC-LED-1500	8	8
				70'	TLC-RGBW	2	2
				40'	TLC-RGB-U	1	1
				35'	TLC-BT-575	3	3
2	F3-F4	80'	-	80'	TLC-LED-1200	1	1
				80'	TLC-LED-1500	8	8
				70'	TLC-RGBW	1	1
				26'	TLC-RGB-U	1	1
				21'	TLC-BT-575	3	3
4	Totals					60	60

Above Field Level is height of fixtures above area shown



Benet Academy High School Football Baseball

Lisle, IL

Grid Summary	
Name:	Football
Size:	360' x 160'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
Guaranteed Average:	Entire Grid 50
Scan Average:	51.30
Maximum:	60
Minimum:	41
Avg/Min:	1.26
Guaranteed Max/Min:	2
Max/Min:	1.48
UG (adjacent pts):	1.23
CU:	0.44
No. of Points:	72
FIXTURE INFORMATION	
Applied Circuits:	A,B
No. of Fixtures:	60
Total Load:	64.60 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.

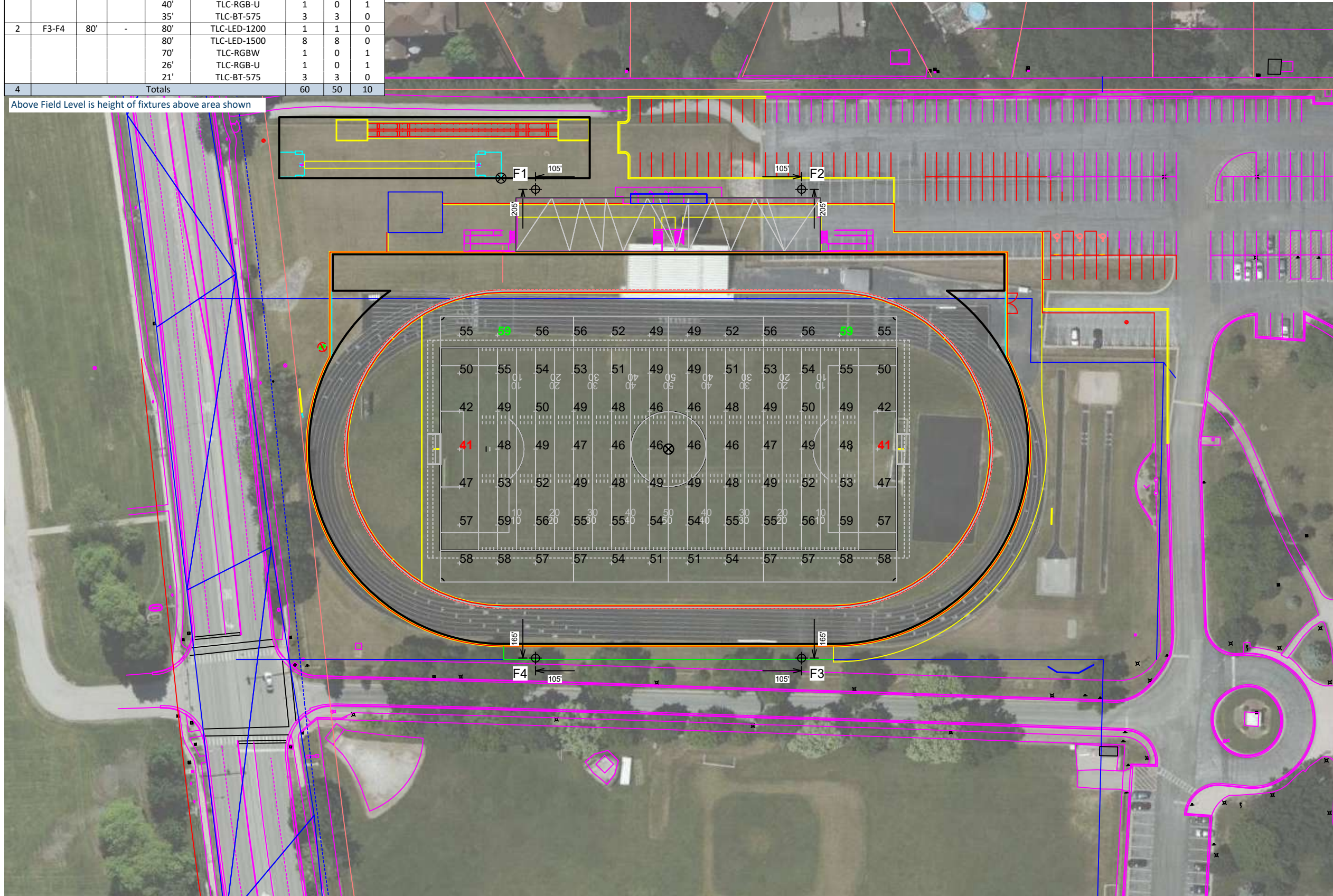
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	2	0	2
				40'	TLC-RGB-U	1	0	1
				35'	TLC-BT-575	3	3	0
2	F3-F4	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	1	0	1
				26'	TLC-RGB-U	1	0	1
				21'	TLC-BT-575	3	3	0
4	Totals					60	50	10

Above Field Level is height of fixtures above area shown



Benet Academy High School Football Baseball

Lisle, IL

Grid Summary	
Name:	Soccer
Size:	360' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Scan Average:	Entire Grid 51.62
Maximum:	59
Minimum:	41
Avg/Min:	1.27
Max/Min:	1.45
UG (adjacent pts):	1.21
CU:	0.53
No. of Points:	84
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	50
Total Load:	59.04 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.

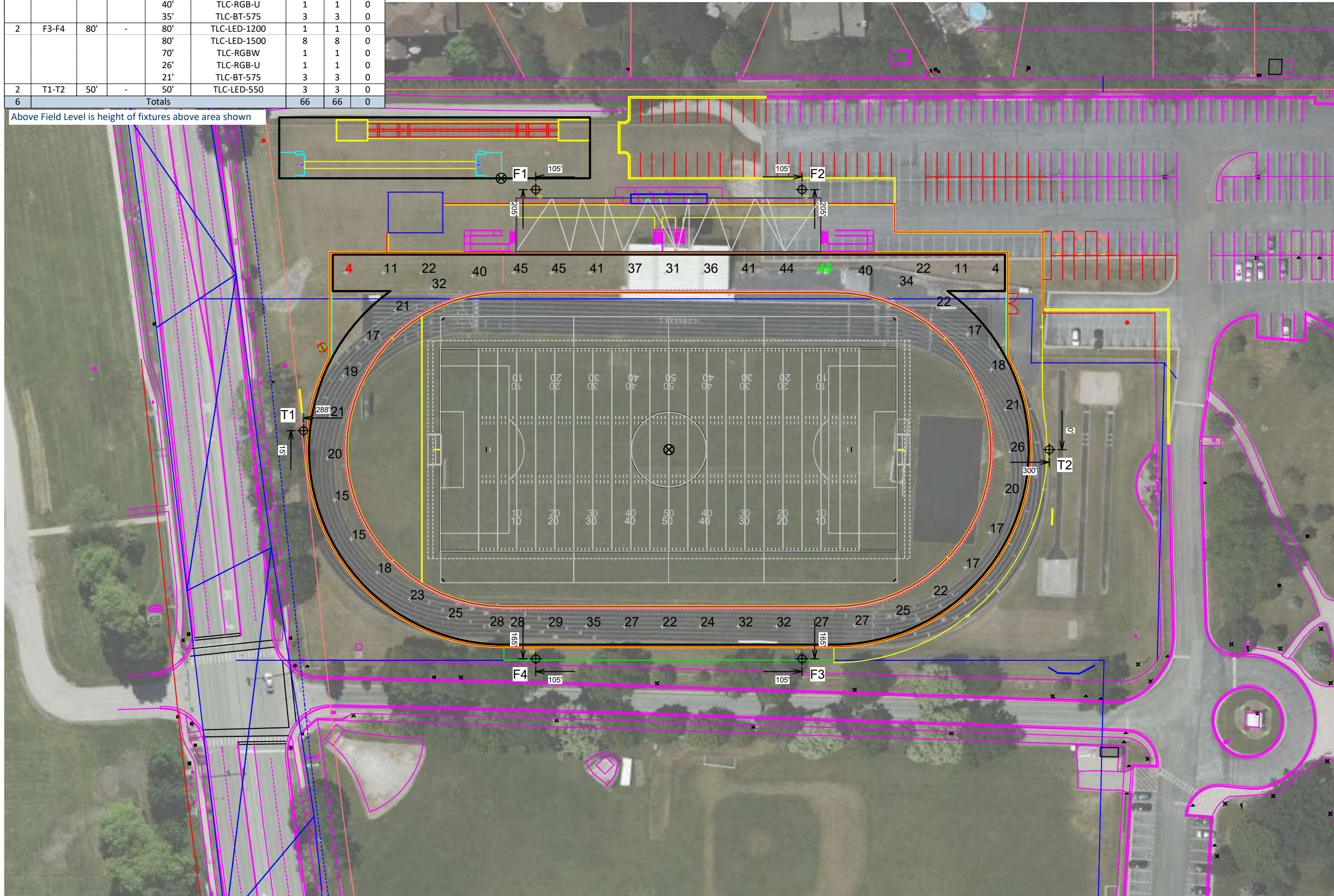
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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							
Structure				Fixtures			
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID
2	F1-F2	90'	-	90'	TLC-LED-1200	2	2
				90'	TLC-LED-1500	8	8
				70'	TLC-RGBW	2	2
				40'	TLC-RGB-U	1	1
				35'	TLC-BT-575	3	3
2	F3-F4	80'	-	80'	TLC-LED-1200	1	1
				80'	TLC-LED-1500	8	8
				70'	TLC-RGBW	1	1
				26'	TLC-RGB-U	1	1
				21'	TLC-BT-575	3	3
2	T1-T2	50'	-	50'	TLC-LED-550	3	3
6	Totals					66	66

Above Field Level is height of fixtures above area shown



0'

80'

160'

SCALE IN FEET 1 : 80

ENGINEERED DESIGN By: Z.Morris • File #225780J • 06-Jun-25

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

Benet Academy High School Football Baseball

Lisle, IL

Grid Summary	
Name:	Track
Size:	Irregular
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	25.90
Maximum:	45
Minimum:	4
Avg/Min:	6.23
Max/Min:	10.87
UG (adjacent pts):	0.00
CU:	0.15
No. of Points:	50
FIXTURE INFORMATION	
Applied Circuits:	A,B,D
No. of Fixtures:	66
Total Load:	67.76 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.

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

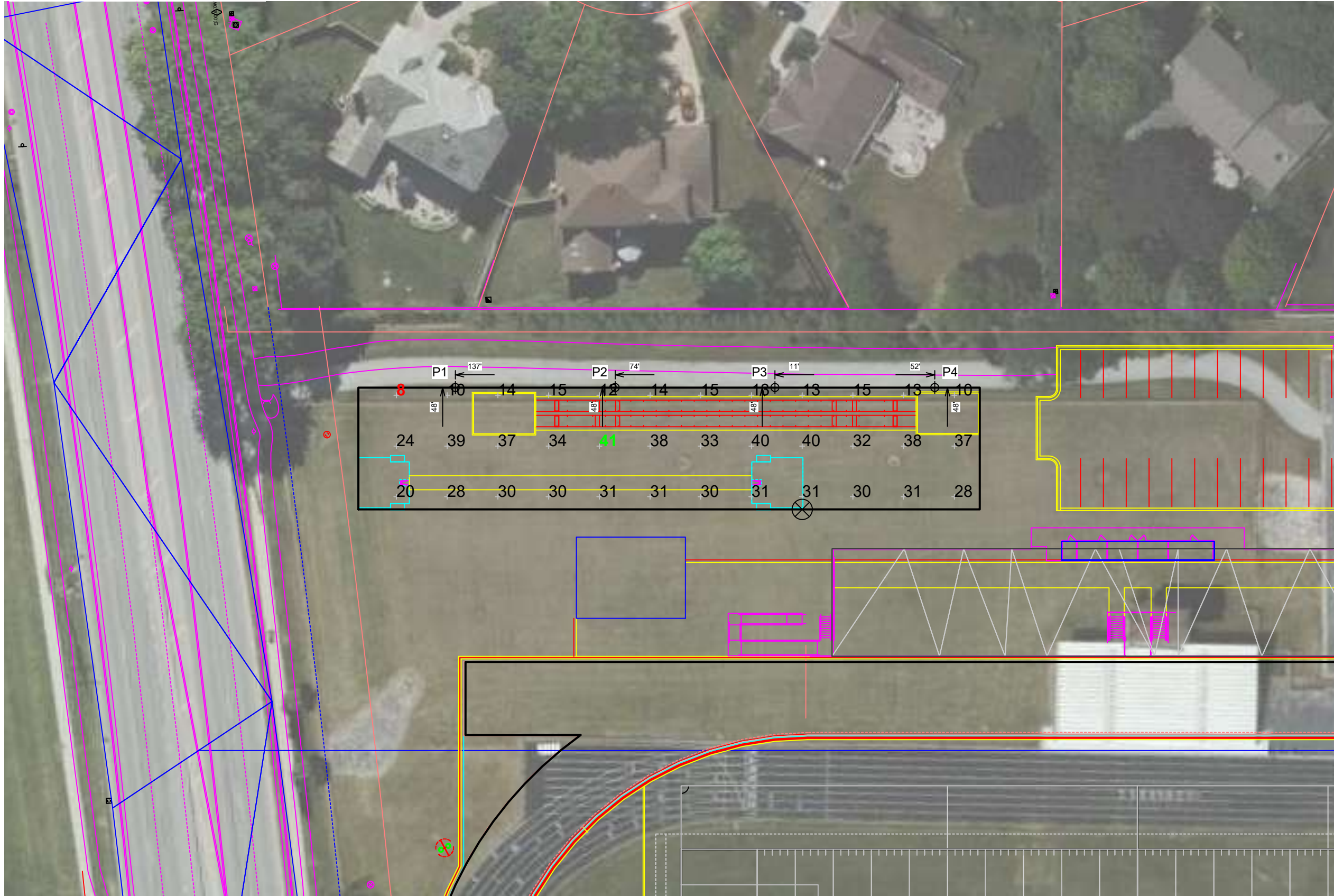
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC.
©1981, 2025 Musco Sports Lighting, LLC.

Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	P1-P4	30'	-	30'	TLC-LED-550	2	2	0
4	Totals					8	8	0

Above Field Level is height of fixtures above area shown



SCALE IN FEET 1 : 40
ENGINEERED DESIGN By: Z.Morris • File #225780J • 06-Jun-25

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

Benet Academy High School Football Baseball

Lisle, IL

Grid Summary	
Name:	Long Jump
Size:	245' x 48'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	26.04
Maximum:	41
Minimum:	8
Avg/Min:	3.07
Max/Min:	4.86
UG (adjacent pts):	3.73
CU:	0.75
No. of Points:	36
FIXTURE INFORMATION	
Applied Circuits:	C
No. of Fixtures:	8
Total Load:	4.32 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.

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.

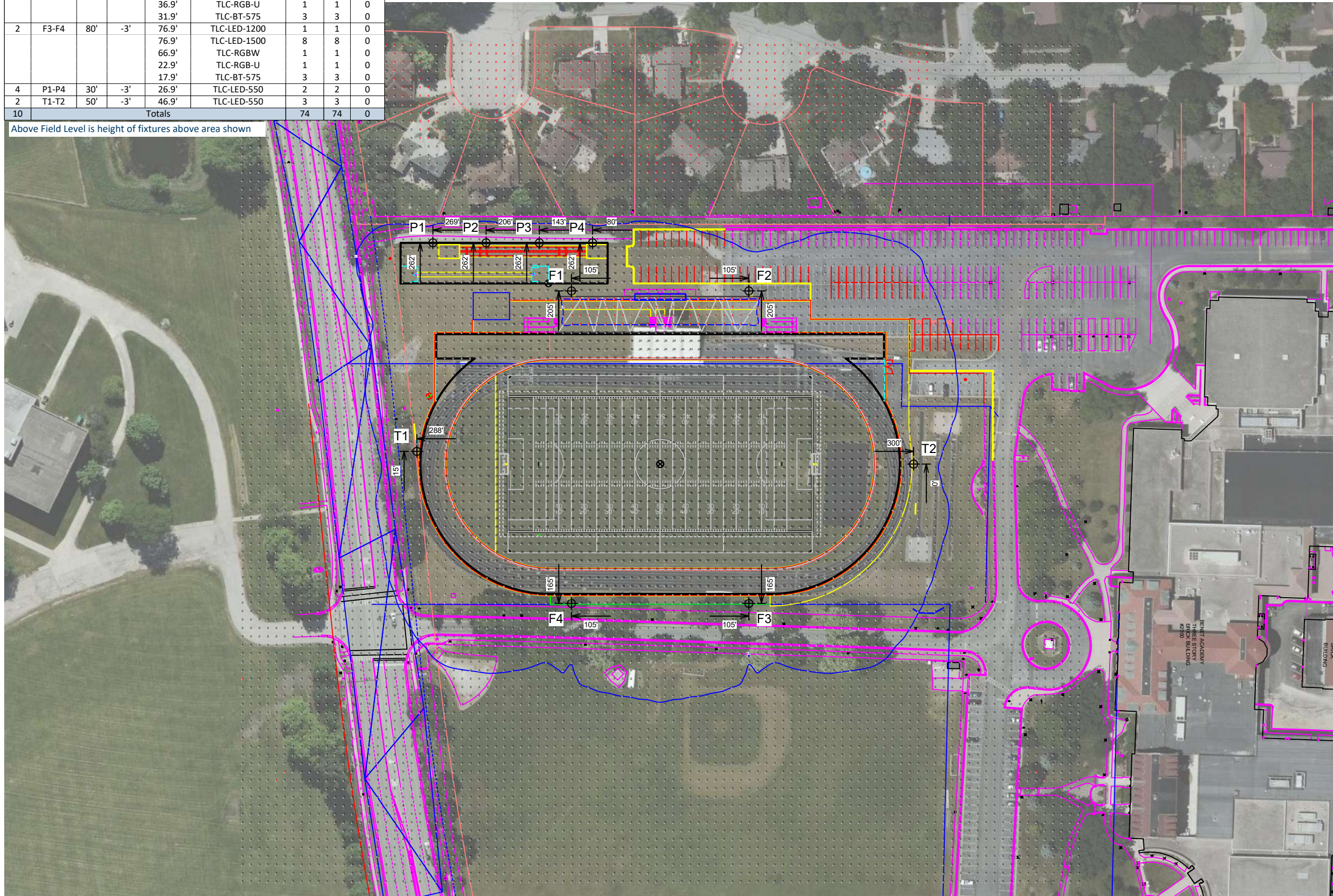


Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC.
©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	90'	-3'	86.9'	TLC-LED-1200	2	2	0
				86.9'	TLC-LED-1500	8	8	0
				66.9'	TLC-RGBW	2	2	0
				36.9'	TLC-RGB-U	1	1	0
				31.9'	TLC-BT-575	3	3	0
2	F3-F4	80'	-3'	76.9'	TLC-LED-1200	1	1	0
				76.9'	TLC-LED-1500	8	8	0
				66.9'	TLC-RGBW	1	1	0
				22.9'	TLC-RGB-U	1	1	0
				17.9'	TLC-BT-575	3	3	0
4	P1-P4	30'	-3'	26.9'	TLC-LED-550	2	2	0
2	T1-T2	50'	-3'	46.9'	TLC-LED-550	3	3	0
10	Totals					74	74	0

Above Field Level is height of fixtures above area shown



SCALE IN FEET 1 : 120

0'

120'

240'

ENGINEERED DESIGN By: Z.Morris • File #225780J • 06-Jun-25

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

Benet Academy High School Football Baseball

Lisle, IL

Grid Summary	
Name:	Blanket Grid
Size:	1000' x 1000'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	7.53
Maximum:	65
Minimum:	0
Avg/Min:	-
Max/Min:	-
UG (adjacent pts):	240.62
CU:	0.88
No. of Points:	10000
FIXTURE INFORMATION	
Applied Circuits:	A,B,D,C
No. of Fixtures:	74
Total Load:	72.08 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.

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.

NOTES: Contour Line shows 0.1fc

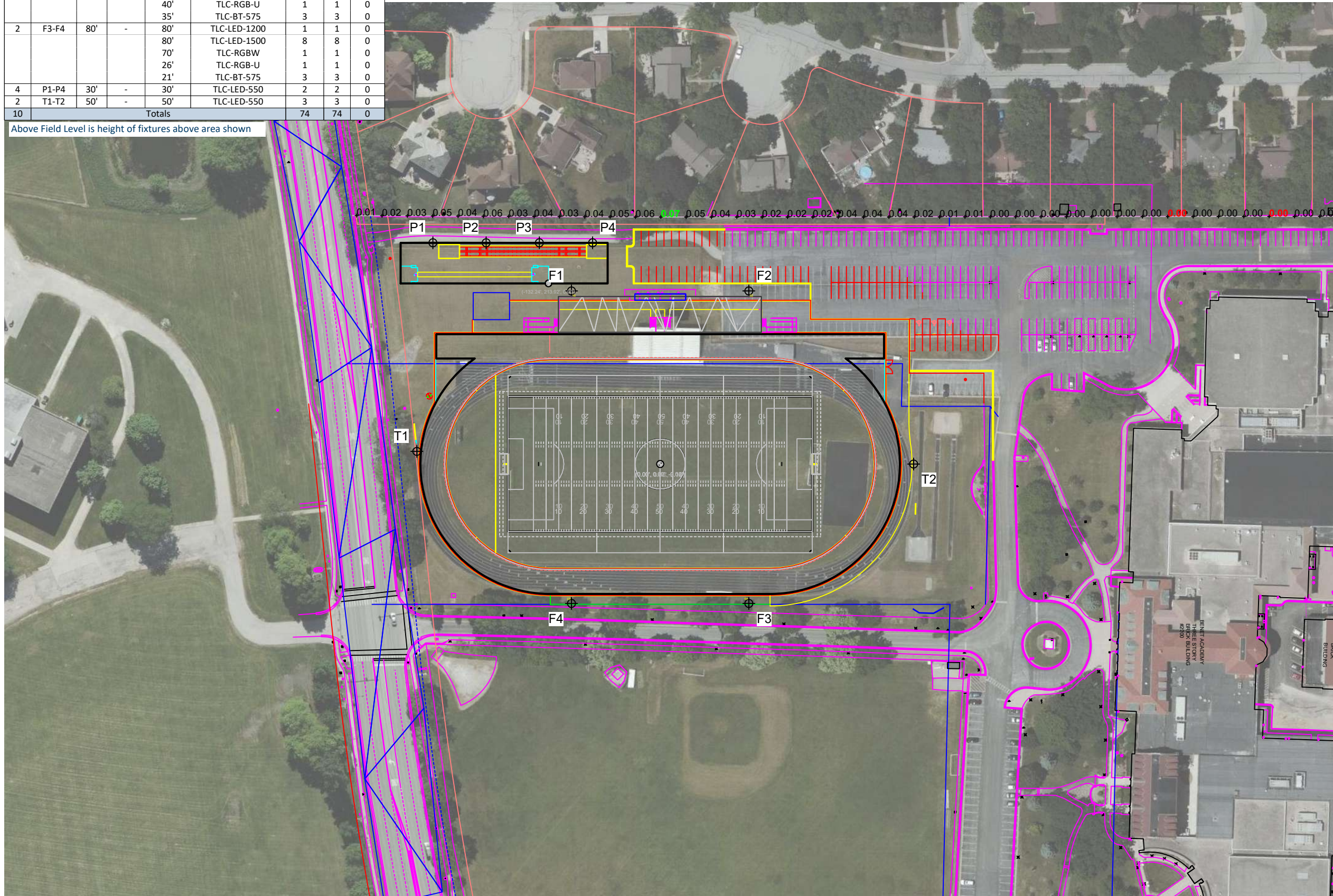


Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC.
©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	2	2	0
				40'	TLC-RGB-U	1	1	0
				35'	TLC-BT-575	3	3	0
2	F3-F4	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	1	1	0
				26'	TLC-RGB-U	1	1	0
				21'	TLC-BT-575	3	3	0
4	P1-P4	30'	-	30'	TLC-LED-550	2	2	0
2	T1-T2	50'	-	50'	TLC-LED-550	3	3	0
10	Totals					74	74	0

Above Field Level is height of fixtures above area shown





SCALE IN FEET 1 : 120

0'

120'

240'

ENGINEERED DESIGN By: Z.Morris • File #225780J • 06-Jun-25

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

Benet Academy High School Football Baseball

Lisle, IL

Grid Summary

Name: West Property Spill Line at 3ft.

Spacing: 30.0'

Height: 3.0' above grade

Illumination Summary

INITIAL HORIZONTAL FOOTCANDLES

Entire Grid

Scan Average: 0.0218

Maximum: 0.07

Minimum: 0.00

CU: 0.00

No. of Points: 41

FIXTURE INFORMATION

Applied Circuits: A,B,D,C

No. of Fixtures: 74

Total Load: 72.08 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.

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.

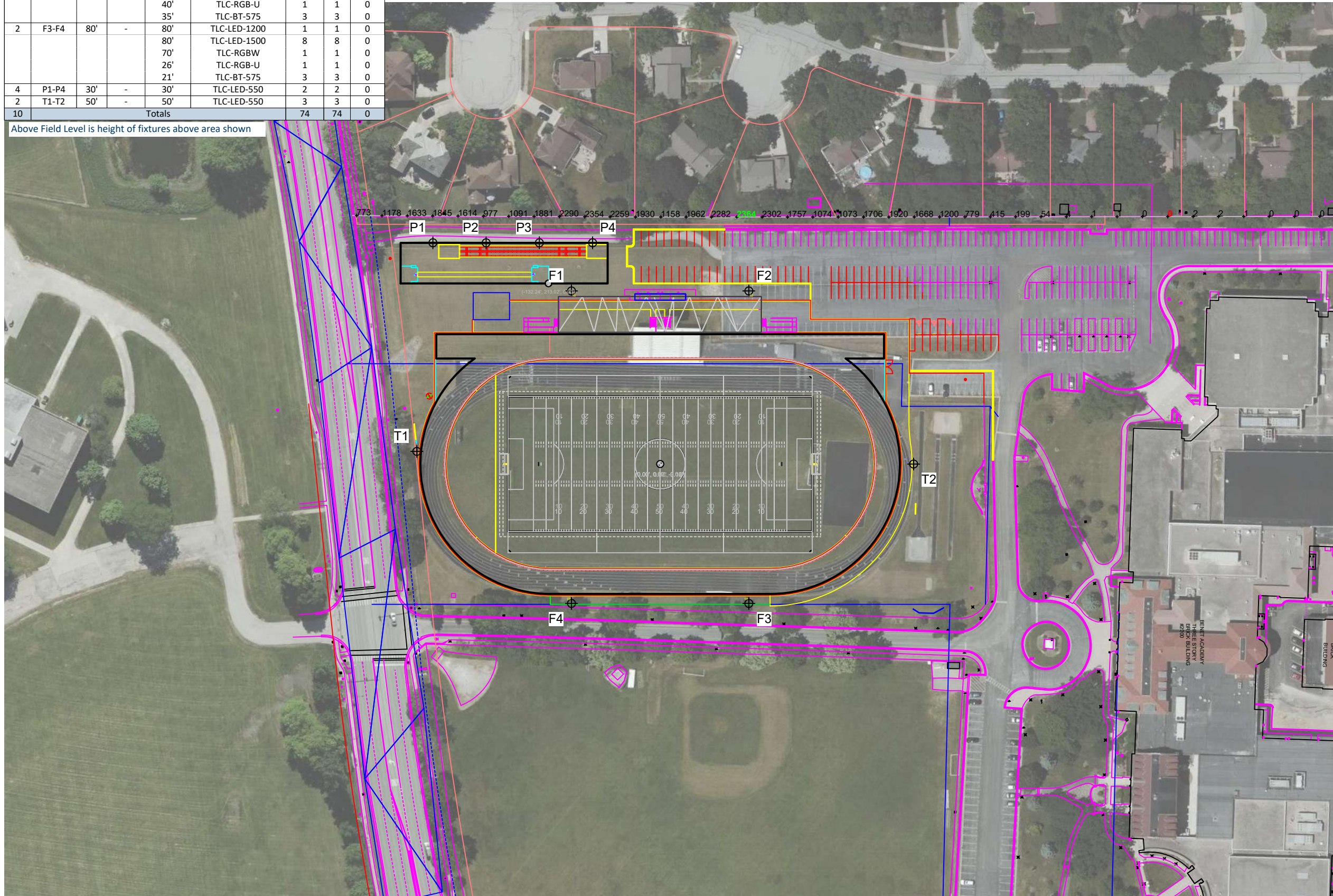


Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC.
©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	2	2	0
				40'	TLC-RGB-U	1	1	0
				35'	TLC-BT-575	3	3	0
2	F3-F4	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	1	1	0
				26'	TLC-RGB-U	1	1	0
				21'	TLC-BT-575	3	3	0
4	P1-P4	30'	-	30'	TLC-LED-550	2	2	0
2	T1-T2	50'	-	50'	TLC-LED-550	3	3	0
10	Totals					74	74	0

Above Field Level is height of fixtures above area shown



0'

120'

240'

SCALE IN FEET 1 : 120

ENGINEERED DESIGN By: Z.Morris • File #225780J • 06-Jun-25

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

Benet Academy High School Football Baseball

Lisle, IL

Grid Summary	
Name:	West Property Spill Line at 5ft.
Spacing:	30.0'
Height:	5.0' above grade

Illumination Summary	
	INITIAL CANDELA (PER FIXTURE)
Scan Average:	Entire Grid 1018.2831
Maximum:	2364.12
Minimum:	0.00
CU:	0.00
No. of Points:	41
FIXTURE INFORMATION	
Applied Circuits:	A,B,D,C
No. of Fixtures:	74
Total Load:	72.08 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.

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.

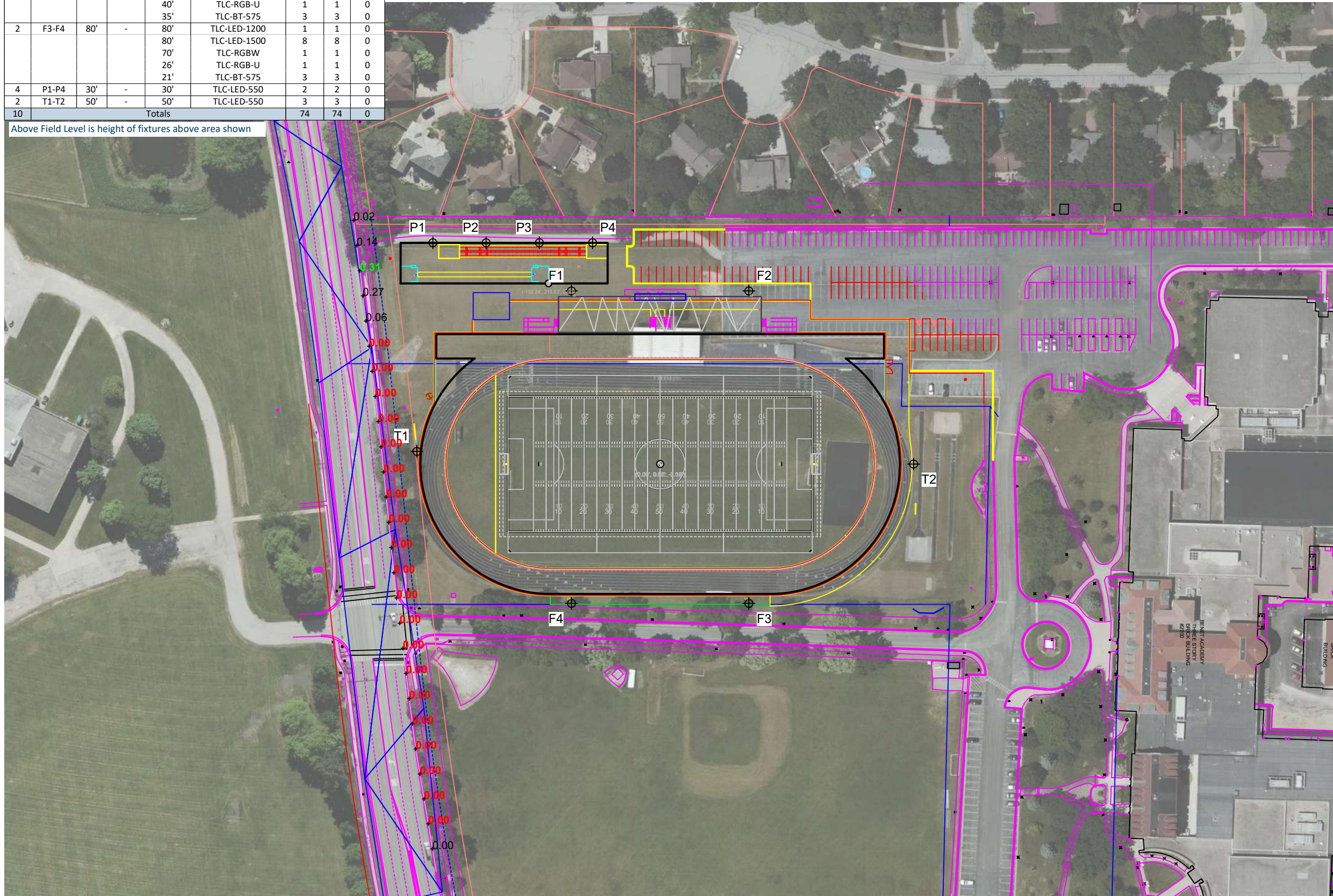


Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC.
©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	2	2	0
				40'	TLC-RGB-U	1	1	0
				35'	TLC-BT-575	3	3	0
2	F3-F4	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	1	1	0
				26'	TLC-RGB-U	1	1	0
				21'	TLC-BT-575	3	3	0
4	P1-P4	30'	-	30'	TLC-LED-550	2	2	0
2	T1-T2	50'	-	50'	TLC-LED-550	3	3	0
10	Totals					74	74	0

Above Field Level is height of fixtures above area shown





SCALE IN FEET 1 : 120

0'

120'

240'

ENGINEERED DESIGN By: Z.Morris • File #225780J • 06-Jun-25

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

Benet Academy High School Football Baseball

Lisle, IL

Grid Summary	
Name:	Maple Ave Spill Line at 3ft.
Spacing:	30.0'
Height:	3.0' above grade

Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.0306
Maximum:	0.31
Minimum:	0.00
CU:	0.00
No. of Points:	26
FIXTURE INFORMATION	
Applied Circuits:	A,B,D,C
No. of Fixtures:	74
Total Load:	72.08 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.

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.

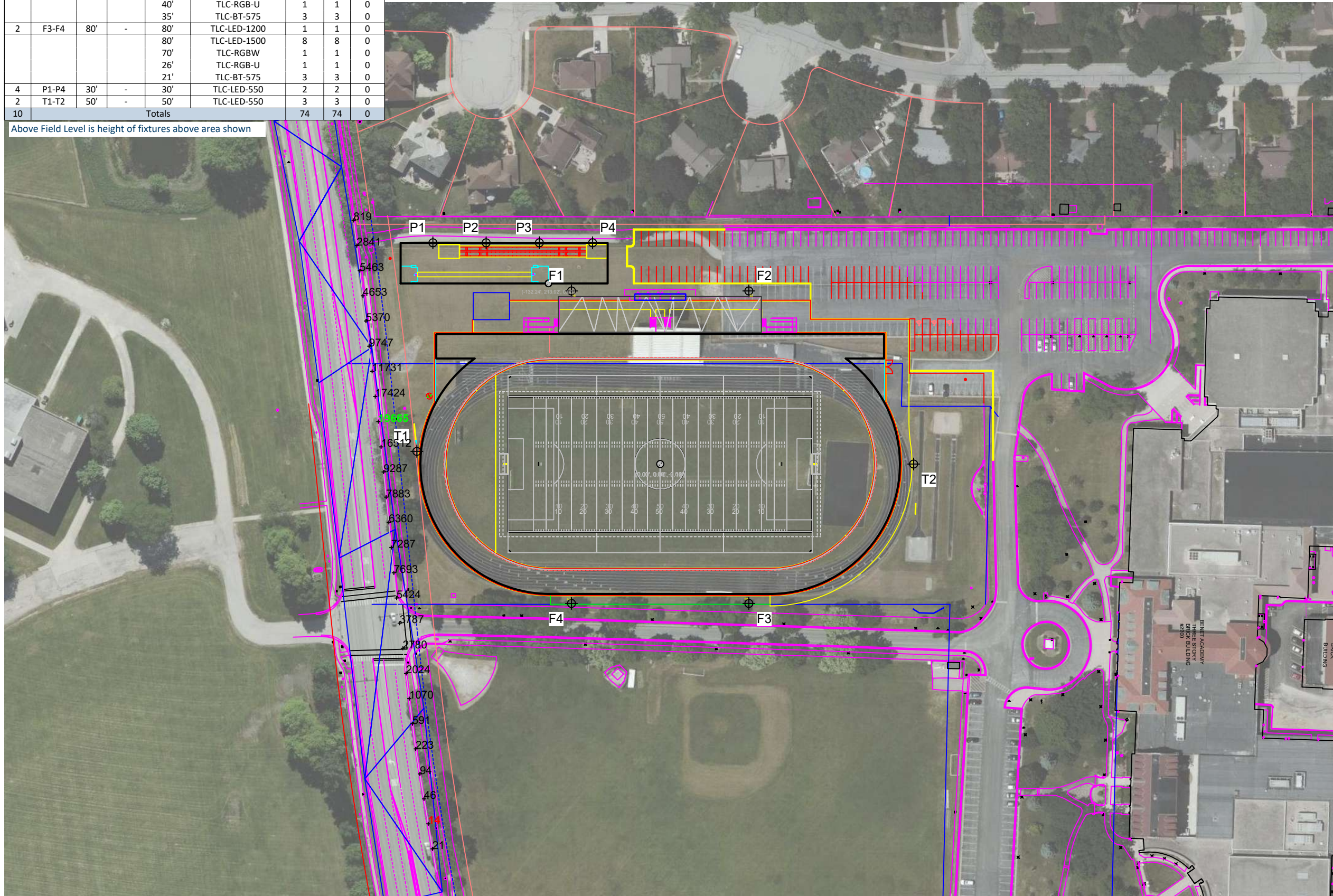


Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC.
©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	90'	-	90'	TLC-LED-1200	2	2	0
				90'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	2	2	0
				40'	TLC-RGB-U	1	1	0
				35'	TLC-BT-575	3	3	0
2	F3-F4	80'	-	80'	TLC-LED-1200	1	1	0
				80'	TLC-LED-1500	8	8	0
				70'	TLC-RGBW	1	1	0
				26'	TLC-RGB-U	1	1	0
				21'	TLC-BT-575	3	3	0
4	P1-P4	30'	-	30'	TLC-LED-550	2	2	0
2	T1-T2	50'	-	50'	TLC-LED-550	3	3	0
10	Totals					74	74	0

Above Field Level is height of fixtures above area shown





SCALE IN FEET 1 : 120

0'

120'

240'

ENGINEERED DESIGN By: Z.Morris • File #225780J • 06-Jun-25

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

Benet Academy High School Football Baseball

Lisle, IL

Grid Summary

Name: Maple Ave Spill Line at 5ft.

Spacing: 30.0'

Height: 5.0' above grade

ILLUMINATION SUMMARY

INITIAL CANDELA (PER FIXTURE)

Entire Grid

Scan Average: 5723.4565

Maximum: 19665.36

Minimum: 14.13

CU: 0.00

No. of Points: 26

FIXTURE INFORMATION

Applied Circuits: A,B,D,C

No. of Fixtures: 74

Total Load: 72.08 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.

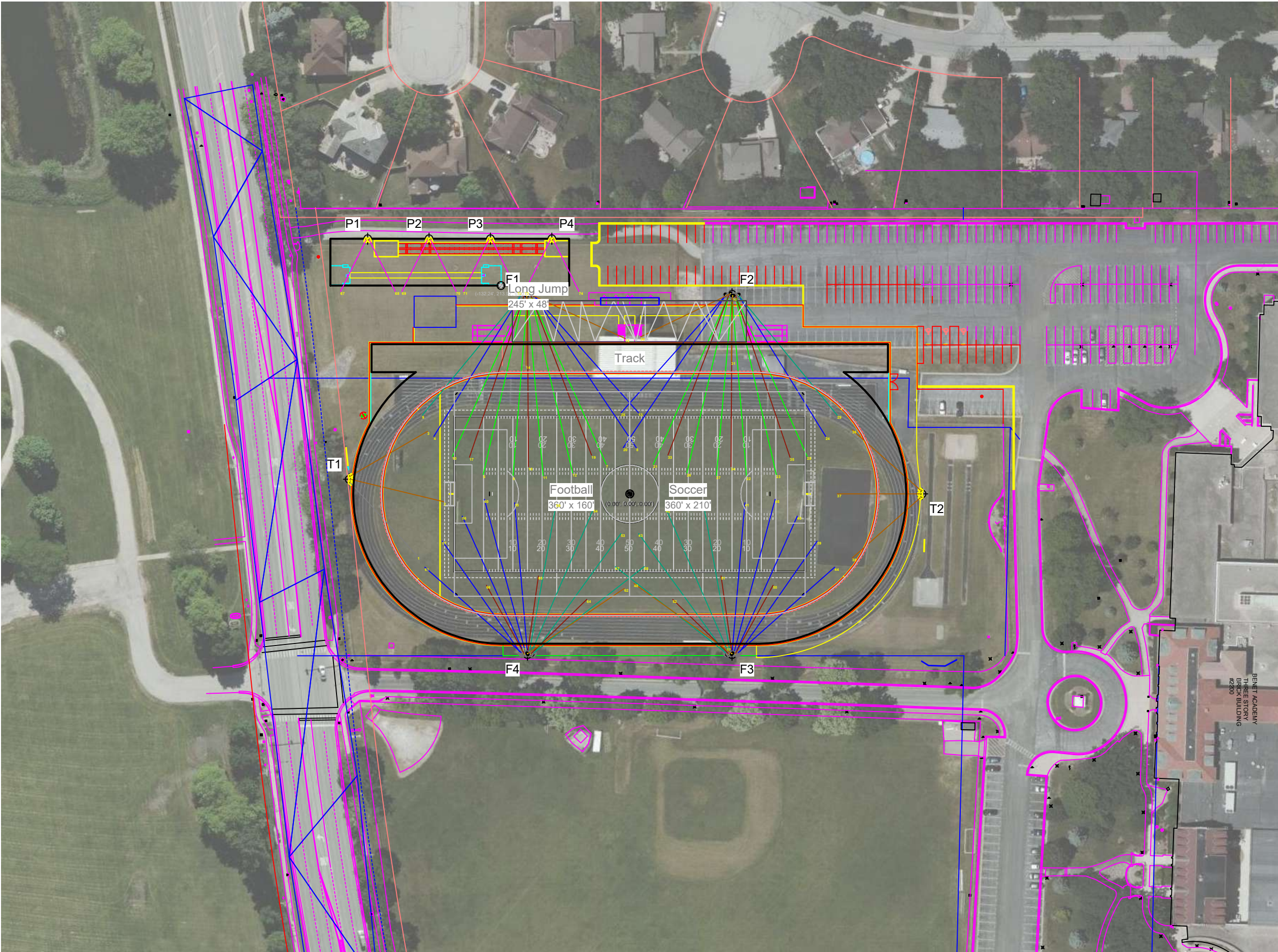
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC.
©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY



Benet Academy High School Football Baseball

Lisle, IL

Equipment Layout

- INCLUDES:**
- Blanket Grid
 - Football
 - Long Jump
 - Soccer
 - Track

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

Structure				Fixtures		
QTY	STRUCTURE ID	SIZE	GLOBAL ELEVATION	ABOVE GLOBAL LEVEL	FIXTURE TYPE	QTY/POLE
2	F1-F2	90'	-	90'	TLC-LED-1200	2
				90'	TLC-LED-1500	8
				70'	TLC-RGBW	2
				40'	TLC-RGB-U	1
				35'	TLC-BT-575	3
2	F3-F4	80'	-	80'	TLC-LED-1200	1
				80'	TLC-LED-1500	8
				70'	TLC-RGBW	1
				26'	TLC-RGB-U	1
				21'	TLC-BT-575	3
4	P1-P4	30'	-	30'	TLC-LED-550	2
2	T1-T2	50'	-	50'	TLC-LED-550	3
10	Totals					74

Above Global Level is height of fixtures above design (0,0,0)

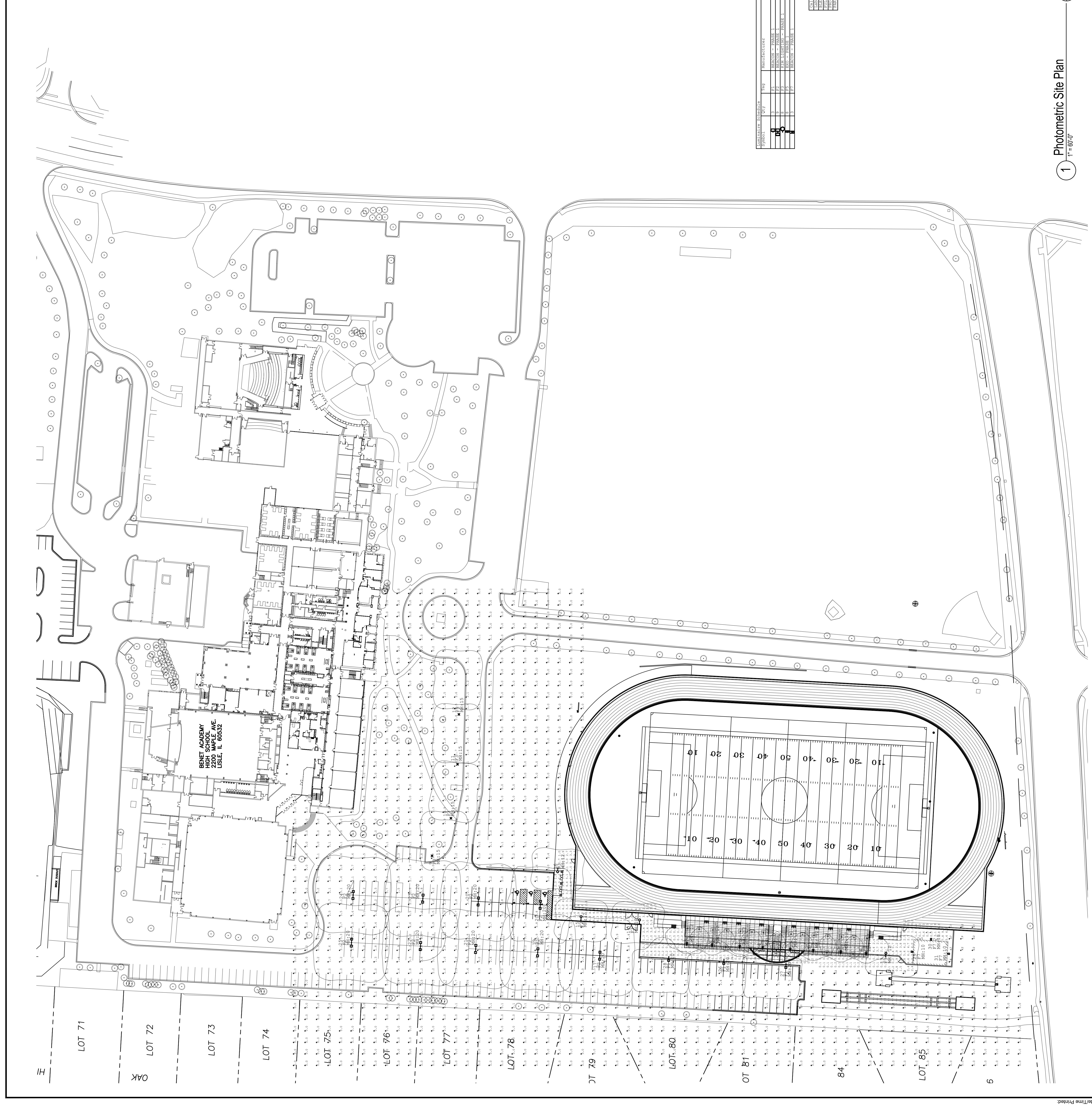
Single Fixture Amperage Draw Chart

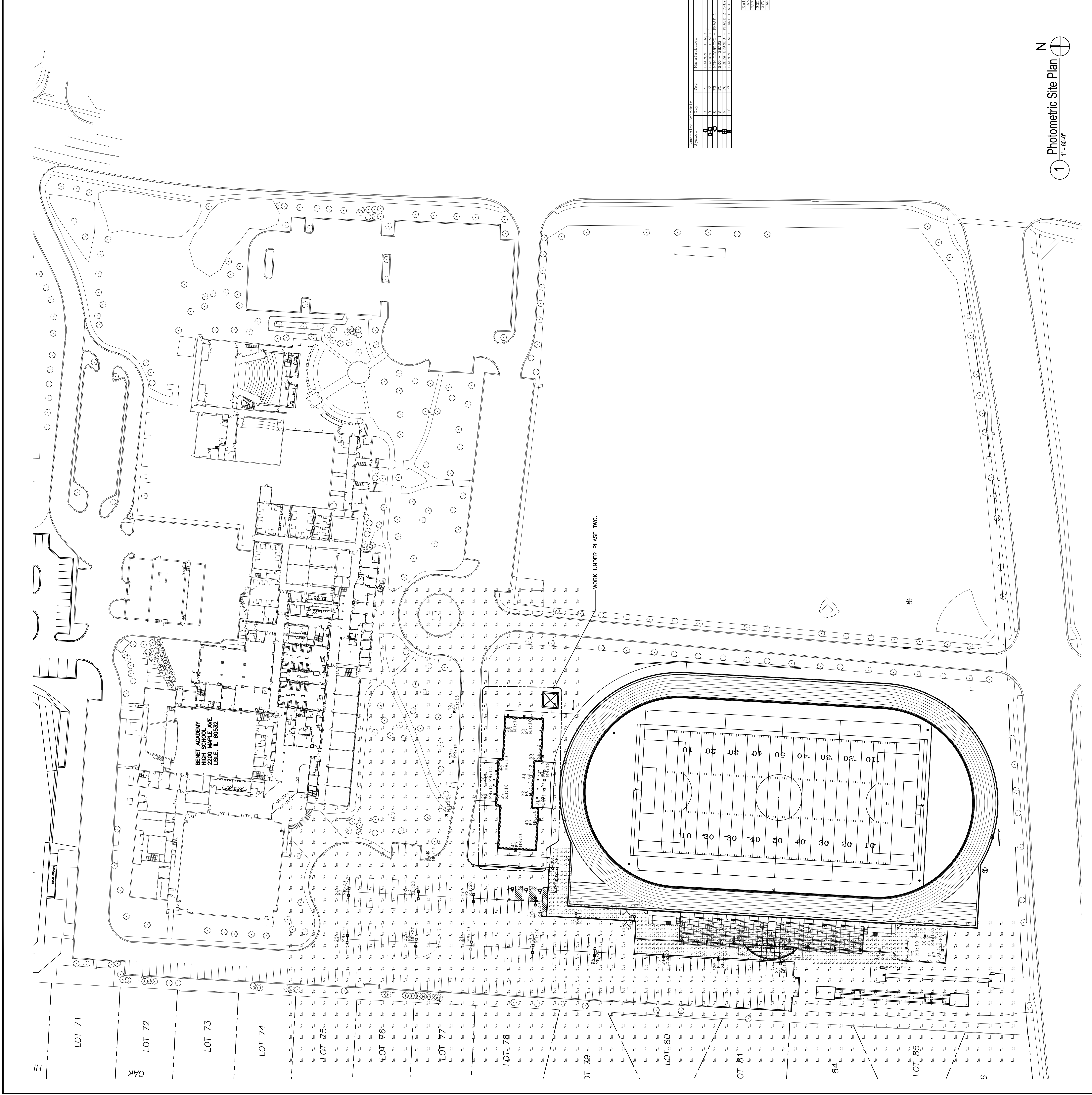
Driver Specifications (.90 min power factor)	Line Amperage Per Fixture (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage							
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4
TLC-RGB-U	3.0	2.9	2.6	2.3	1.8	1.6	1.3
TLC-RGBW	4.5	4.3	3.8	3.3	2.7	2.5	1.9

*Amp draw based on 100% fixture output, consult design specific datasheet for adjusted amperage draw chart



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC.
©1981, 2025 Musco Sports Lighting, LLC.





SYMBOL	DESCRIPTION	QUANTITY
1	EXISTING TREE	1
2	PROPOSED TREE	1
3	PROPOSED TREE	1
4	PROPOSED TREE	1
5	PROPOSED TREE	1
6	PROPOSED TREE	1
7	PROPOSED TREE	1
8	PROPOSED TREE	1
9	PROPOSED TREE	1
10	PROPOSED TREE	1
11	PROPOSED TREE	1
12	PROPOSED TREE	1
13	PROPOSED TREE	1
14	PROPOSED TREE	1
15	PROPOSED TREE	1
16	PROPOSED TREE	1
17	PROPOSED TREE	1
18	PROPOSED TREE	1
19	PROPOSED TREE	1
20	PROPOSED TREE	1
21	PROPOSED TREE	1
22	PROPOSED TREE	1
23	PROPOSED TREE	1
24	PROPOSED TREE	1
25	PROPOSED TREE	1
26	PROPOSED TREE	1
27	PROPOSED TREE	1
28	PROPOSED TREE	1
29	PROPOSED TREE	1
30	PROPOSED TREE	1
31	PROPOSED TREE	1
32	PROPOSED TREE	1
33	PROPOSED TREE	1
34	PROPOSED TREE	1
35	PROPOSED TREE	1
36	PROPOSED TREE	1
37	PROPOSED TREE	1
38	PROPOSED TREE	1
39	PROPOSED TREE	1
40	PROPOSED TREE	1
41	PROPOSED TREE	1
42	PROPOSED TREE	1
43	PROPOSED TREE	1
44	PROPOSED TREE	1
45	PROPOSED TREE	1
46	PROPOSED TREE	1
47	PROPOSED TREE	1
48	PROPOSED TREE	1
49	PROPOSED TREE	1
50	PROPOSED TREE	1
51	PROPOSED TREE	1
52	PROPOSED TREE	1
53	PROPOSED TREE	1
54	PROPOSED TREE	1
55	PROPOSED TREE	1
56	PROPOSED TREE	1
57	PROPOSED TREE	1
58	PROPOSED TREE	1
59	PROPOSED TREE	1
60	PROPOSED TREE	1
61	PROPOSED TREE	1
62	PROPOSED TREE	1
63	PROPOSED TREE	1
64	PROPOSED TREE	1
65	PROPOSED TREE	1
66	PROPOSED TREE	1
67	PROPOSED TREE	1
68	PROPOSED TREE	1
69	PROPOSED TREE	1
70	PROPOSED TREE	1
71	PROPOSED TREE	1
72	PROPOSED TREE	1
73	PROPOSED TREE	1
74	PROPOSED TREE	1
75	PROPOSED TREE	1
76	PROPOSED TREE	1
77	PROPOSED TREE	1
78	PROPOSED TREE	1
79	PROPOSED TREE	1
80	PROPOSED TREE	1
81	PROPOSED TREE	1
82	PROPOSED TREE	1
83	PROPOSED TREE	1
84	PROPOSED TREE	1
85	PROPOSED TREE	1
86	PROPOSED TREE	1
87	PROPOSED TREE	1
88	PROPOSED TREE	1
89	PROPOSED TREE	1
90	PROPOSED TREE	1
91	PROPOSED TREE	1
92	PROPOSED TREE	1
93	PROPOSED TREE	1
94	PROPOSED TREE	1
95	PROPOSED TREE	1
96	PROPOSED TREE	1
97	PROPOSED TREE	1
98	PROPOSED TREE	1
99	PROPOSED TREE	1
100	PROPOSED TREE	1