



**City of University Park, Texas  
Community Development Department Application  
Phone 214-987-5411**

**Please check the appropriate box (1) below to indicate the type of action you are requesting:**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Amending Plat | <input type="checkbox"/> Specific Use Permit   | <input checked="" type="checkbox"/> Planned Development - Development Plan |
| <input type="checkbox"/> Replat        | <input type="checkbox"/> Zoning Change Request | <input type="checkbox"/> Planned Development - Concept Plan                |
| <input type="checkbox"/> Final Plat    | <input type="checkbox"/> Special Sign District | <input type="checkbox"/> Planned Development - Detailed Site Plan          |
- PLEASE NOTE: \*\*A land use statement is required for all zoning change requests, development plan/concept plan/detailed site plan reviews, and specific use permits. PLEASE COMPLETE PAGE 2 FOR THESE ITEMS\*\***

**SITE INFORMATION** •4113-4149 Lovers Lane, •4112-4152 Hyer Street,  
Address (Location): •4113 Hyer Street, •4102 Grassmere Lane. Submittal Date: 1/7/2026  
Is there a previous project associated with this address/location?  YES  NO  
If yes, what type of Project: Development - Artificial Turf Field and Parking Lots  
Existing Zoning: \_\_\_\_\_ Proposed Zoning: \_\_\_\_\_ Lots: \_\_\_\_\_  
Existing Use: Public School Proposed Use: Public School  
Legal Description of Subject Property (attach separate sheet if necessary) \_\_\_\_\_

**APPLICANT INFORMATION**

**Applicant Name:** Marcus Crispin Company Highland Park ISD  
Address 6915 Westchester City Dallas State Tx Zip 75205  
Phone 214.780.3050 Fax \_\_\_\_\_ Email crispinm@hpsid.org Cell \_\_\_\_\_  
**Property Owner (If different from applicant):** \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_ Cell \_\_\_\_\_  
**Key Contact:** Robert Howman  
Phone 972.989.2174 Fax \_\_\_\_\_ Email rahowman@glennengineerir Cell \_\_\_\_\_

**Signature of Property Owner (Sign and Print or Type Name)**  
SIGNATURE [Signature]  
Print or Type Name: MARCUS CRISPIN

Known to me to be the person whose name is subscribed to the above and foregoing instrument, and acknowledged to me that they executed the same for the purposes and consideration expressed and in the capacity therein stated.

Given under my hand and seal at office on this 16 day of Feb, 2026.

[Signature] Notary Public

**(For Plat Applications Only)**  
I waive the statutory time limits in accordance with Section 212.009 of the Texas Local Government Code.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

---

**Office Use Only:**

Total Paid: \_\_\_\_\_ Payment Method: \_\_\_\_\_ Accepted By: \_\_\_\_\_



## Property Description

Being a 161,101 square foot (3.6983 acres) tract of land situated in the Simcoe Popplewell Survey, Abstract No. 1145, City of University Park, Dallas County, Texas, being all of Lot 1, Lot 2, Lot 3, Lot 4, Lot 5A, Lot 5B, Lot 6A, Lot 6B, Lot 7, Lot 8, Lot 21A, Lot 23 Lot 24, Lot 25A, Lot 26, Lot 27, Lot 28, Block 1, J.W. Halsell's Subdivision, an addition to the City of University Park, Dallas County, Texas according to the plat recorded in Volume 3, Page 28, Map Records, Dallas County, Texas, Also including Lots 1 and Lot 2, Block 2 of the HPISD Parking Lot #1 as recorded instrument Number 201600169346 O.P.R.D.C.T., and Texas and being more particularly described as follows:

Beginning at 1/2" iron pipe found at the intersection of the northerly right-of-way line of Hyer Street (50' right-of-way) and the easterly right-of-way line of Westchester Drive (50' right-of-way) for the southwest corner of Lot 28, Block 1, said J.W. Halsell's Subdivision.

THENCE North 00°27'52" West, along the easterly y right-of-way line of said Westchester Drive for a total distance of 280.00 feet to a point for the northwest corner of said Lot 21 to an 1/2" iron rod found in the south right of way line of Lover Lane (50' right-of-way)

THENCE North 89°28'36" East, continuing along the south right-of-way line for Lovers Lane along the common line between said Lot 24 and said Lot 25, continuing a total distance of 575.36 feet to a point for the northeast corner of said Lot 2. Block 2 of the HPISD Parking Lot #1 Additions and the northwest corner of said 5' alley dedication (Volume 1690, Page 229), the northwest corner of said Lot 24 and the northeast corner of said 5' alley dedication (Volume 1690, Page 226);

THENCE South 00°27'52" East, along the northerly line of said Lot 24 and the west line of said 5' alley dedication (Volume 1690, Page 229), a distance of 280.00 feet to point for the northeasterly corner of said Lot 2, Block 2 HPISD Parking Lot #1 Addition an and the north right of way line of Hyer Street (50' right-of-way)easterly corner of said 5'alley dedication (Volume 1690, Page 229);

THENCE South 89°28'36" West, along the northerly line of said Hyer Street, a distance of 575.36 feet to the POINT OF BEGINNING, containing 161,101 square feet or 3.6983 acres, more or less.

## Property Description

STATE OF TEXAS       §  
COUNTY OF DALLAS   §

WHEREAS Highland Park Independent School District, is the sole owner of a tract of land situated in the Simcoe Popplewell Survey, Abstract No. 1145, City of University Park, Dallas County, Texas, being all of Lots 7, 8, 9, 10, 11, 18, 19, 20, 21, and 22 of John S. Troth Subdivision of Lots 7 to 22, Inclusive, Block 2 of Preston Heights Addition, an addition to the City of University Park, Dallas County, Texas according to the plat recorded in Volume 5, Page 443, Map Records, Dallas County, Texas, being all of a tract of land referred to as Tract 1 by Special Warranty Deed Recorded in Instrument Number 201600169346, Official Public Records, Dallas County, Texas, being all of an abandoned alley by Instrument Number 201500152742 and being more particularly described as follows:

BEGINNING at a ½” iron rod with yellow plastic cap stamped “RLG INC” set at the intersection of the south right-of-way line of Hyer Street (50’ right-of-way) and the west line of a 21’ alley, said being the northeast corner of said Tract 1;

THENCE South 00°27’52” East along the west line of said 21’ alley, passing at a distance of 300.46 feet an iron rod with orange plastic cap stamped “P&C”, continuing a total distance of 300.68 feet to a point for corner at the intersection of the west line of said 21’ alley and the north right-of-way line of Grassmere Lane (50’ right-of-way), said point being the southeast corner of said Lot 18;

THENCE South 89°28’08” West along the north right-of-way line of said Grassmere Lane a distance of 269.00 feet to a ½” iron rod with yellow plastic cap stamped “RLG INC” set, said rod being the southwest corner of said Lot 22 and the southeast corner of Lot 23, Block 2, J.W. Halsell Addition, an addition to the City of University Park, Dallas County, Texas according to the plat recorded in Volume 3, Page 28, Map Records, Dallas County, Texas;

THENCE North 00°27’52” West, departing the north line of said Grassmere Lane, passing at a distance of 0.33 feet an iron rod with orange plastic cap stamped “P&C”, continuing a total distance of 300.68 feet to a ½” iron rod with yellow plastic camp stamped “RLG INC” set on the south right-of-way line of said Hyer Street, said rod being the northwest corner of said Lot 7 and the northeast corner of Lot 6, said J.W. Halsell Addition;

THENCE North 89°28’08” East along the south line of said Hyer Street a distance of 269.00 feet to the POINT OF BEGINNING, containing 80,883 square feet or 1.8568 acres, more or less.

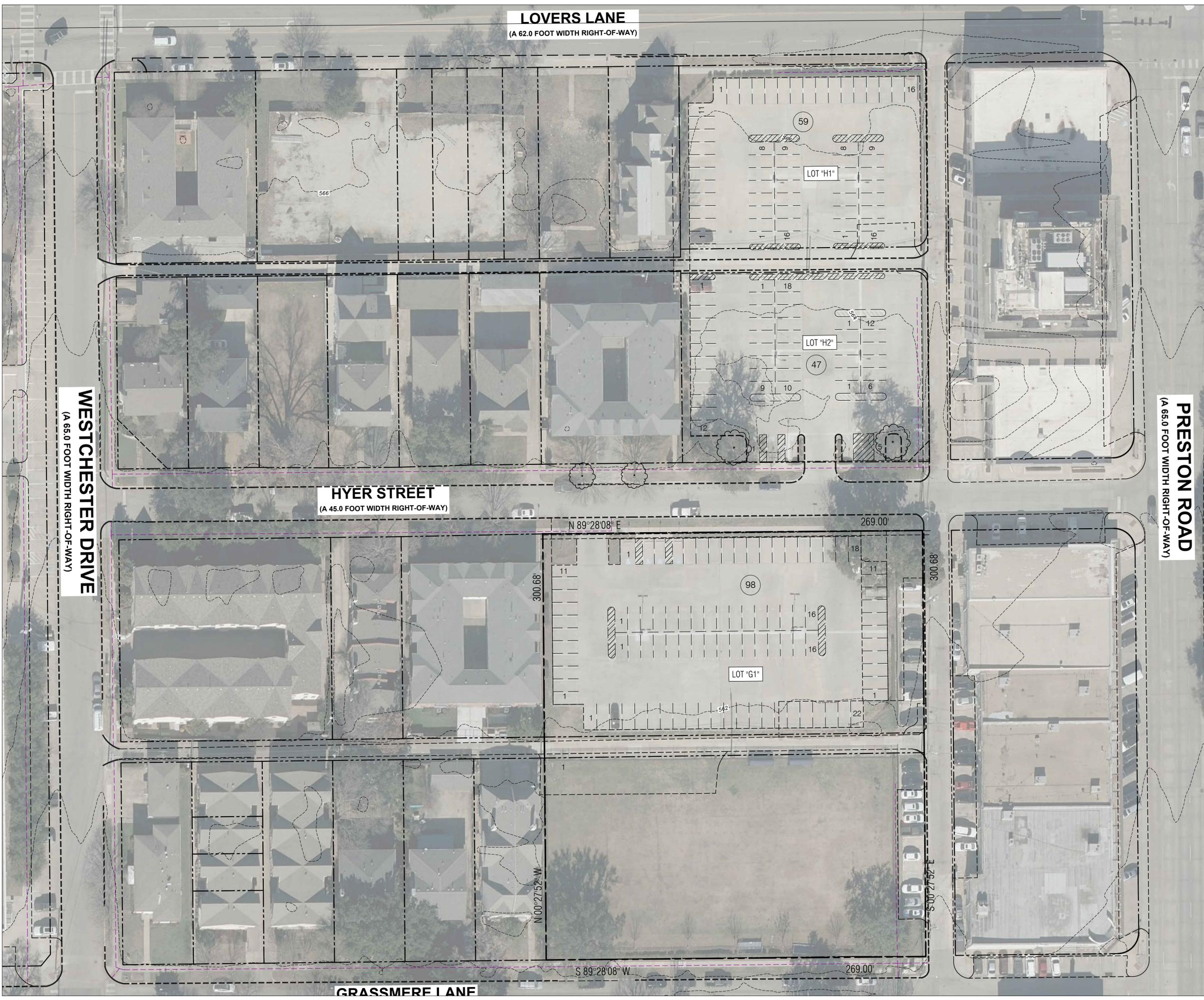
**LOVERS LANE**  
(A 62.0 FOOT WIDTH RIGHT-OF-WAY)

**WESTCHESTER DRIVE**  
(A 65.0 FOOT WIDTH RIGHT-OF-WAY)

**HYER STREET**  
(A 45.0 FOOT WIDTH RIGHT-OF-WAY)

**PRESTON ROAD**  
(A 65.0 FOOT WIDTH RIGHT-OF-WAY)

**GRASSMERE LANE**



0 15 30 60  
Scale: 1"=30'

EXISTING STUDENT PARKING (INCLUDING HANDICAP SPACES)	
LOT "H1"	59 SPACES
LOT "H2"	47 SPACES
LOT "G1"	98 SPACES
<b>TOTAL PARKING IN 3 LOTS</b>	<b>204 SPACES</b>



**ARCHITECT**  
**VLK Architects, Inc.**  
5801 Tennyson Pkwy., Suite 100  
Plano, Texas 75024  
Main Phone: 972.265.1885  
www.vlkarchitects.com

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**Glenn Engineering**  
TBPE Firm F-303  
HUB #1752575183300  
4500 Fuller Drive, Suite 220  
Irving, Texas 75038  
Main Phone: 972.717.5151  
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HIGHLAND PARK HIGH SCHOOL CAMPUS

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF MIKE GLENN, P.E. 35059, ON February 6, 2026. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES

**REVISIONS**  
Revision No.

Director CMA  
Approver CMA  
Designer GEC  
Proj. Arch. GEC  
Checker RMR

PROJECT NO.

SHEET TITLE

**EXISTING SITE PLAN**

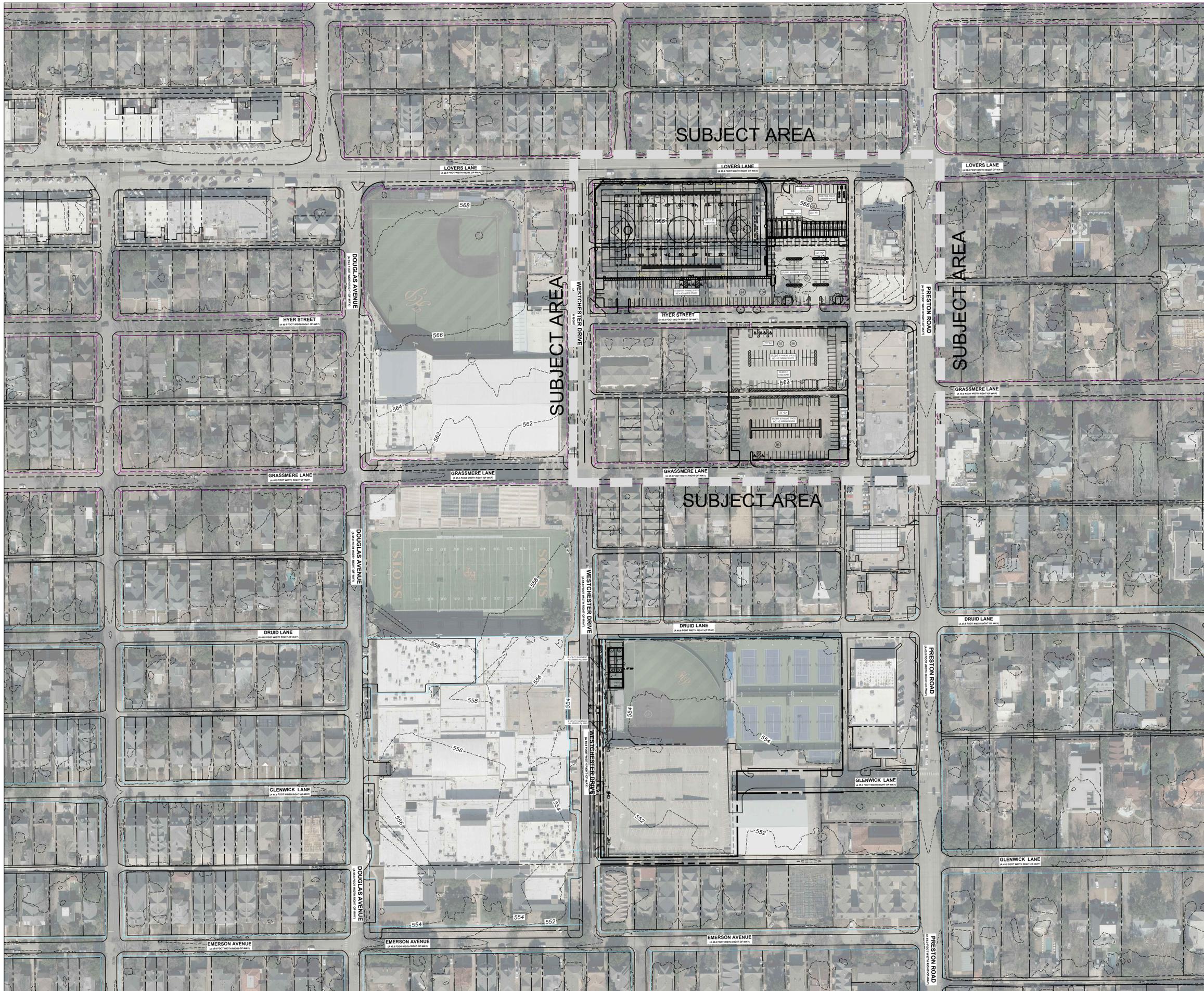
SHEET NO.

**C02.00**

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**HIGHLAND PARK HIGH SCHOOL**

HIGHLAND PARK I.S.D.  
CITY OF UNIVERSITY PARK, TX



0 50 100 200  
Scale: 1"=100'

ARCHITECT

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REVISIONS

Revision No.

Director	CMA
Approver	CMA
Designer	GEC
Designer	GEC
Proj. Arch.	
Checker	RMR

PROJECT NO.

SHEET TITLE

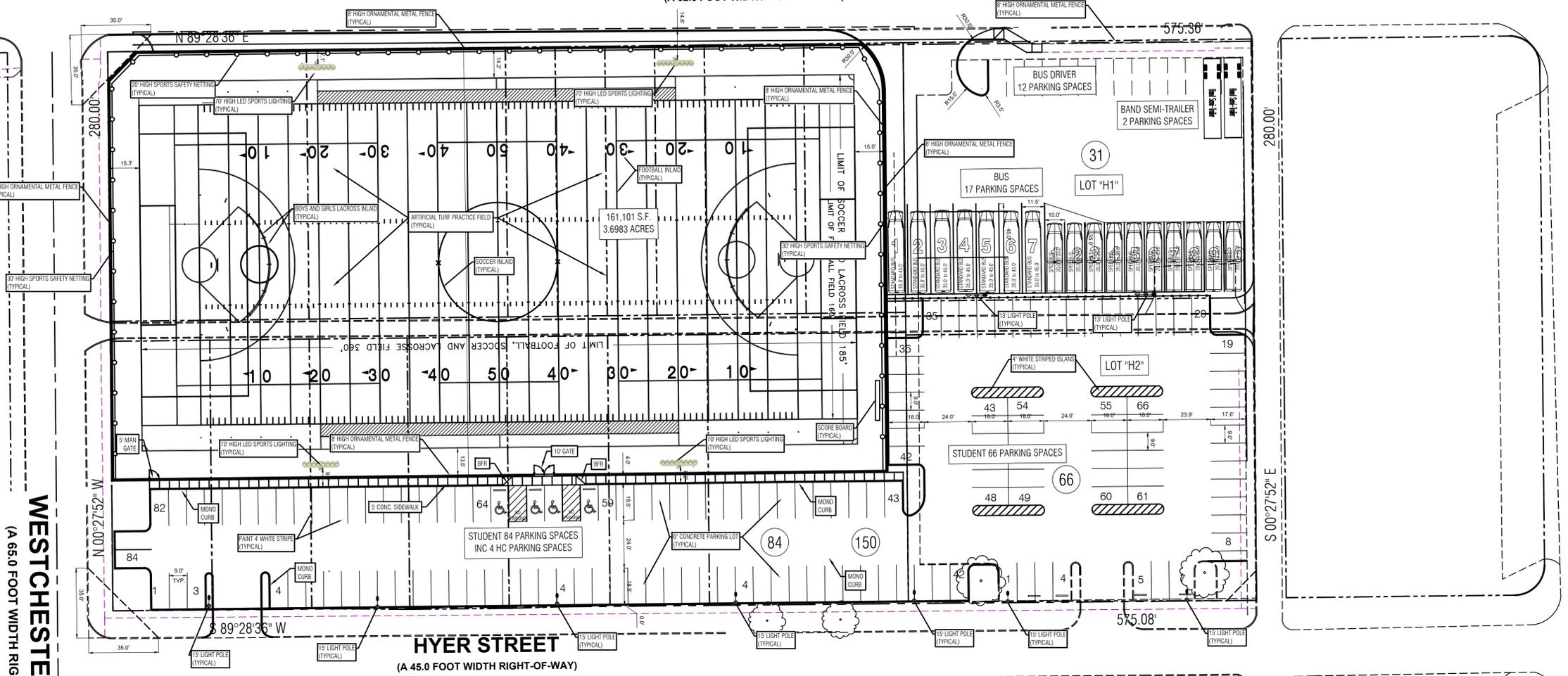
OVERALL SITE PLAN

SHEET NO.

C03.00

**LOVERS LANE**

(A 62.0 FOOT WIDTH RIGHT-OF-WAY)

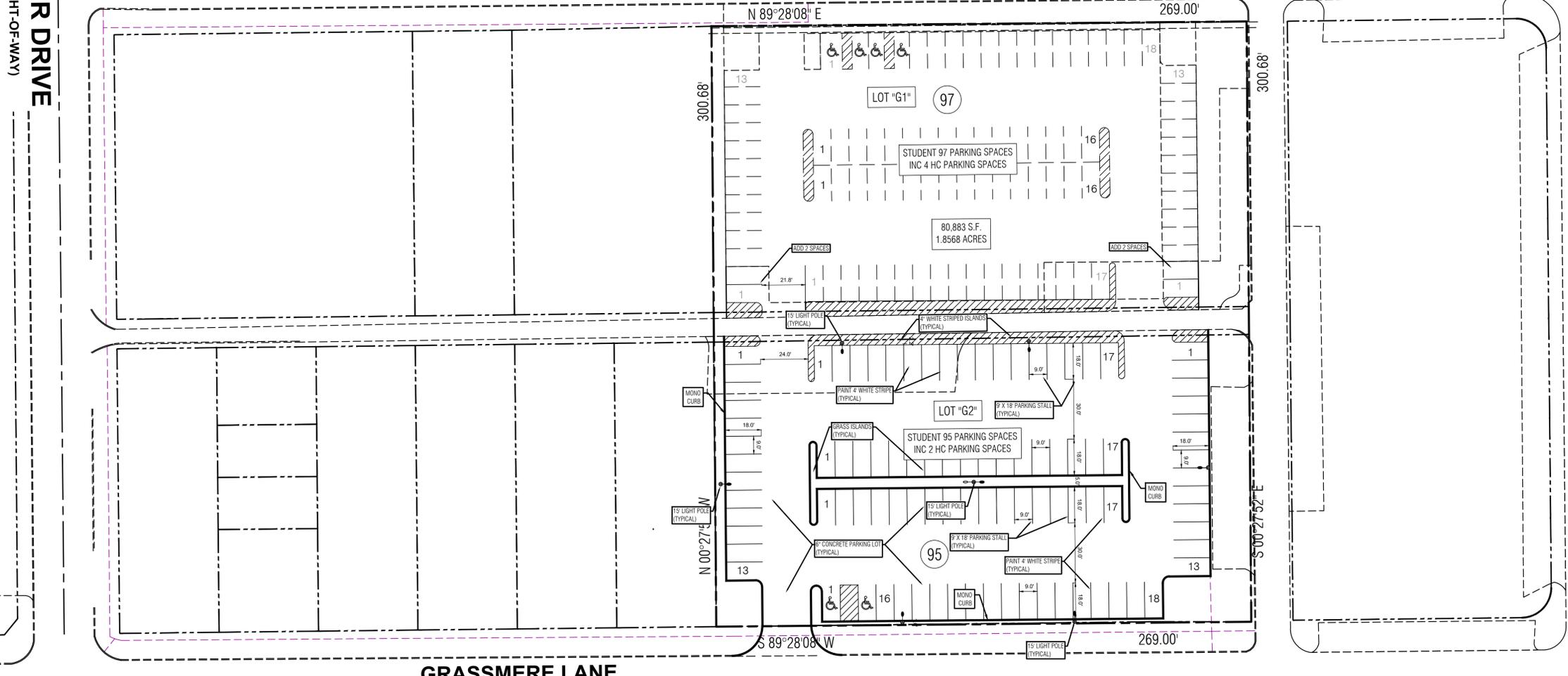


**HYER STREET**

(A 45.0 FOOT WIDTH RIGHT-OF-WAY)

**WESTCHESTER DRIVE**  
(A 65.0 FOOT WIDTH RIGHT-OF-WAY)

**PRESTON ROAD**  
(A 65.0 FOOT WIDTH RIGHT-OF-WAY)



**GRASSMERE LANE**



0 15 30 60  
Scale: 1"=30'



0 15 30 60  
Scale: 1"=30'

EXISTING STUDENT PARKING (INCLUDING HANDICAP SPACES)	
LOT "H1"	59 SPACES
LOT "H2"	47 SPACES
LOT "G1"	98 SPACES
<b>TOTAL PARKING IN 3 LOTS</b>	<b>204 SPACES</b>

PROPOSED STUDENT PARKING (INCLUDING HANDICAP SPACES)	
LOT "H1" TO BUS LOT	-59 SPACES
LOT "H2" RECONFIGURATION	150 SPACES
LOT "G1" RECONFIGURATION	97 SPACES
LOT "G2" (NEW GRASSMERE LOT)	95 SPACES
<b>TOTAL PARKING</b>	<b>342 SPACES</b>
<b>NET INCREASE</b>	<b>283 SPACES</b>

**VLK ARCHITECTS**

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Director	CMA
Approver	CMA
Designer	GEC
Designer	GEC
Proj. Arch.	RMR
Checker	RMR

PROJECT NO.

SHEET TITLE  
**DETAILED SITE PLAN**

SHEET NO.

**C03.01**

HIGHLAND PARK I.S.D.  
CITY OF UNIVERSITY PARK, TX

**HIGHLAND PARK HIGH SCHOOL**

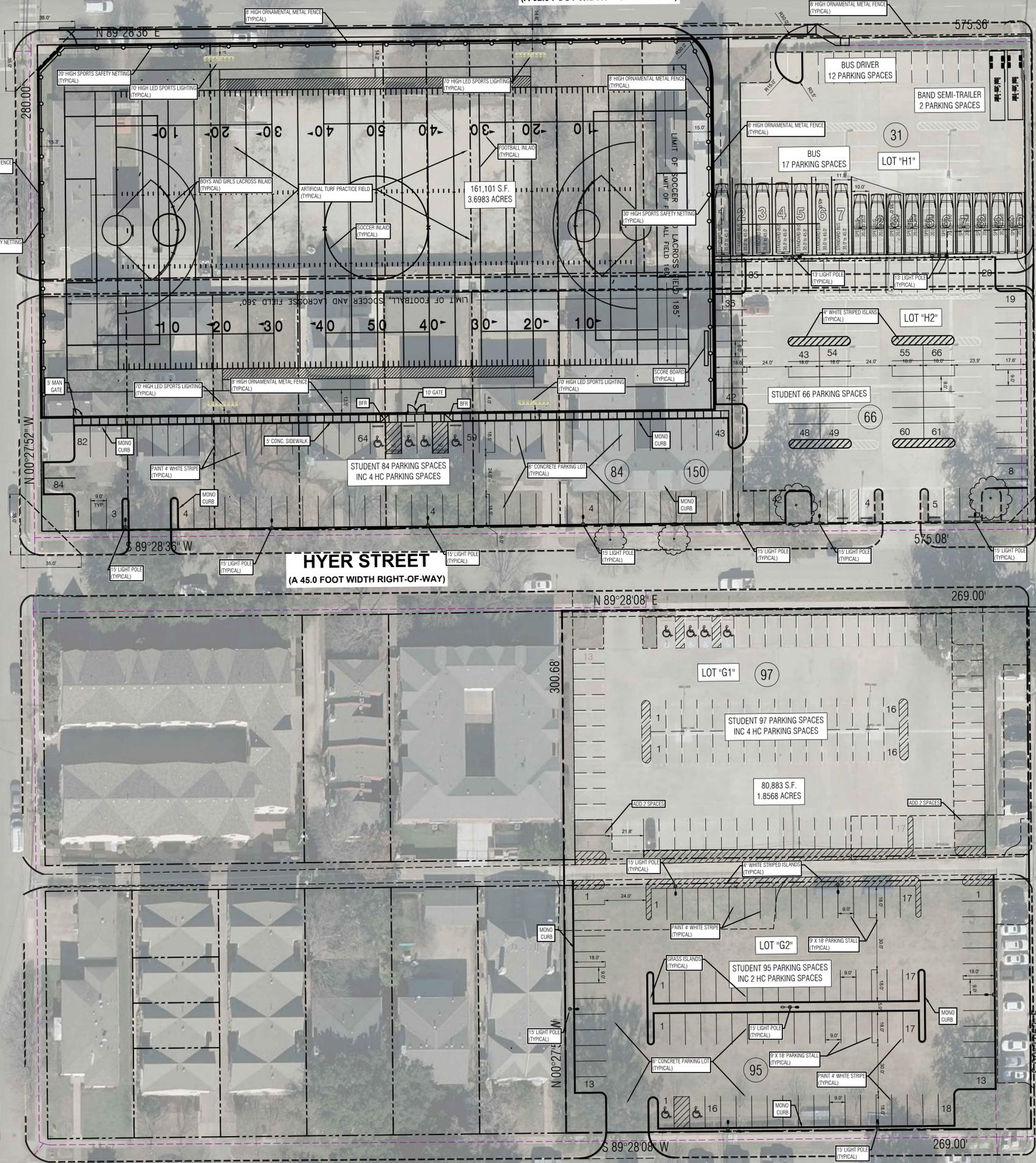
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**GRASSMERE LANE**



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Scale: 1"=30'



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Scale: 1"=30'

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Checker RMR

PROJECT NO.

SHEET TITLE  
**DETAILED SITE PLAN**

SHEET NO.

**C03.01**

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CITY OF UNIVERSITY PARK, TX

**HIGHLAND PARK HIGH SCHOOL**

**LOVERS LANE**

(A 62.0 FOOT WIDTH RIGHT-OF-WAY)

**LEGEND**

**PHASE ONE AREA - DEMOLITION OF BUILDING AND PAVING MAY 26 - JULY 26** 

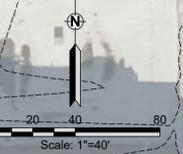
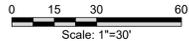
**PHASE 2 AREA JUNE 1ST 2026 - AUG 15TH PARKING LOTS.** 

**PHASE 3 AREA AUG. 15TH - SEPT. 1ST ALLEY DEMO AND WATER LINE RELOCATION.** 

**PHASE 4A AREA SEPT 1. - FEB. 1ST 2027 - TURF FIELD AND PARKING LOT.** 

**PHASE 4B AREA SEPT 1. - FEB. 1ST 2027 - BUS PARKING LOT.** 

- D) Phasing
- Prepare plans for Phasing.
- 1) Phase 1 - Demo of Buildings - to start as soon as possible after buildings are unoccupied.
  - 2) Phase 2 -
    - a) Construct Parking Lot in old grass practice field. - To start as soon as field is no longer needed by Athletics.
    - b) Construct connection between parking lots. (Striping)
  - 3) Phase 3 - Alley paving and Utility removal with Water Line Relocation. Removal of Public and franchise utilities. This process can begin as soon as the buildings are no longer occupied. Relocation of water line along the north right of way of Hyer Street.
  - 4) Phase 4A - New Parking lot and Artificial Turf Field. - To start immediately after completion of utility removal and relocation of the waterline.
  - 5) Phase 4B - Bus Parking Lot. The existing parking lot will be needed for a staging area during the construction of the parking lot and turf field. It's completion will coincide with the Turf practice Field and Parking Lot.



**PHASE 1**

**PHASE 4B**

**PHASE 3**

**PHASE 1**

**PHASE 3**

**PHASE 2**

**PHASE 2**

**HYER STREET**

(A 45.0 FOOT WIDTH RIGHT-OF-WAY)

N 89°28'08" E

269.00'

300.68'

98

562

N 00°27'15" W

S 89°28'08" W

269.00'

**GRASSMERE LANE**

**WESTCHESTER DRIVE**

(A 65.0 FOOT WIDTH RIGHT-OF-WAY)

**PRESTON ROAD**

(A 65.0 FOOT WIDTH RIGHT-OF-WAY)



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**REVISIONS**

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Director CMA  
Approver CMA  
Designer GEC  
Designer GEC  
Proj. Arch. RMR  
Checker RMR

PROJECT NO.

SHEET TITLE

**PHASING PLAN 1**

SHEET NO.

**C03.10**

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HIGHLAND PARK I.S.D. CITY OF UNIVERSITY PARK, TX

**HIGHLAND PARK HIGH SCHOOL**

**LOVERS LANE**

(A 62.0 FOOT WIDTH RIGHT-OF-WAY)

**LEGEND**

**PHASE ONE AREA - DEMOLITION OF BUILDING AND PAVING**  
JUNE 26 - JULY 26

**PHASE 2 AREA**  
JUNE 1ST 2026 - AUG 15TH PARKING LOTS.

**PHASE 3 AREA**  
AUG. 15TH - SEPT. 1ST ALLEY DEMO AND WATER LINE RELOCATION.

**PHASE 4A AREA**  
SEPT 1. - FEB. 1ST 2027 - TURF FIELD AND PARKING LOT.

**PHASE 4B AREA**  
SEPT 1. - FEB. 1ST 2027 - BUS PARKING LOT.

- D) Phasing:
- Prepare plans for Phasing.
  - 1) Phase 1 - Demo of Buildings - to start as soon as possible after buildings are unoccupied.
  - 2) Phase 2 -
    - a) Construct Parking Lot in old grass practice field. - To start as soon as field is no longer needed by Athletics.
    - b) Construct connection between parking lots. (Striping)
  - 3) Phase 3 - Alley paving and Utility removal with Water Line Relocation. Removal of Public and franchise utilities. This process can begin as soon as the buildings are no longer occupied. Relocation of water line along the north right of way of Hyer Street.
  - 4) Phase 4A - New Parking lot and Artificial Turf Field. - To start immediately after completion of utility removal and relocation of the waterline.
  - 5) Phase 4B - Bus Parking Lot. The existing parking lot will be needed for a staging area during the construction of the parking lot and turf field. It's completion will coincide with the Turf practice Field and Parking Lot.

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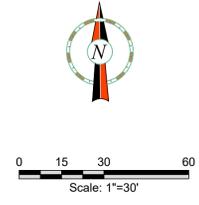
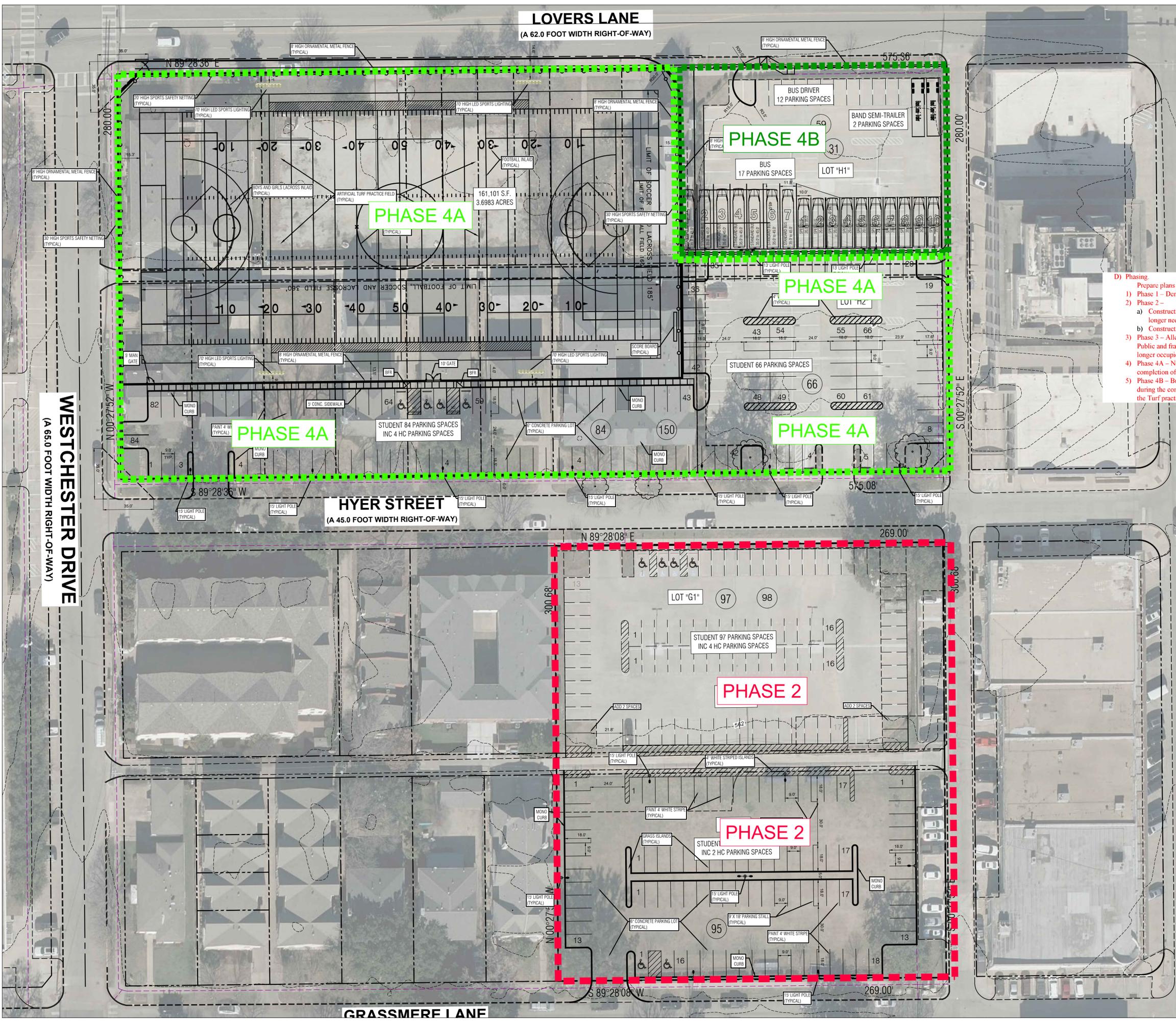
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**REVISIONS**

Revision No.	Description

**SHEET TITLE**  
PHASING PLAN 2

**SHEET NO.**  
C03.11



**WESTCHESTER DRIVE**  
(A 65.0 FOOT WIDTH RIGHT-OF-WAY)

**HYER STREET**  
(A 45.0 FOOT WIDTH RIGHT-OF-WAY)

**PRESTON ROAD**  
(A 65.0 FOOT WIDTH RIGHT-OF-WAY)

**GRASSMERE LANE**

**HIGHLAND PARK HIGH SCHOOL**

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REVISIONS  
 Revision No.

Director CMA  
 Approver CMA  
 Designer GEC  
 Designer GEC  
 Proj. Arch. RMR  
 Checker RMR

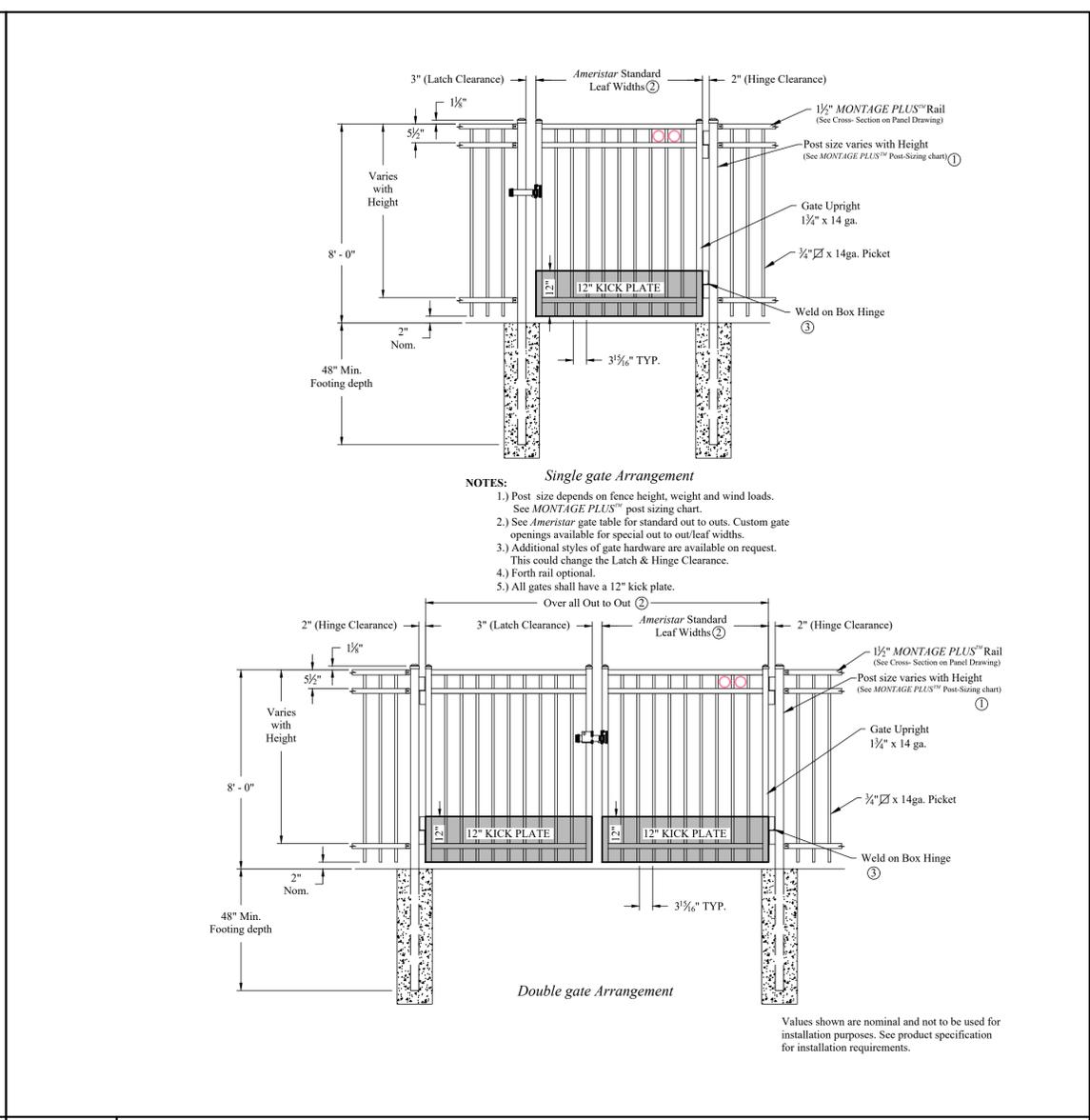
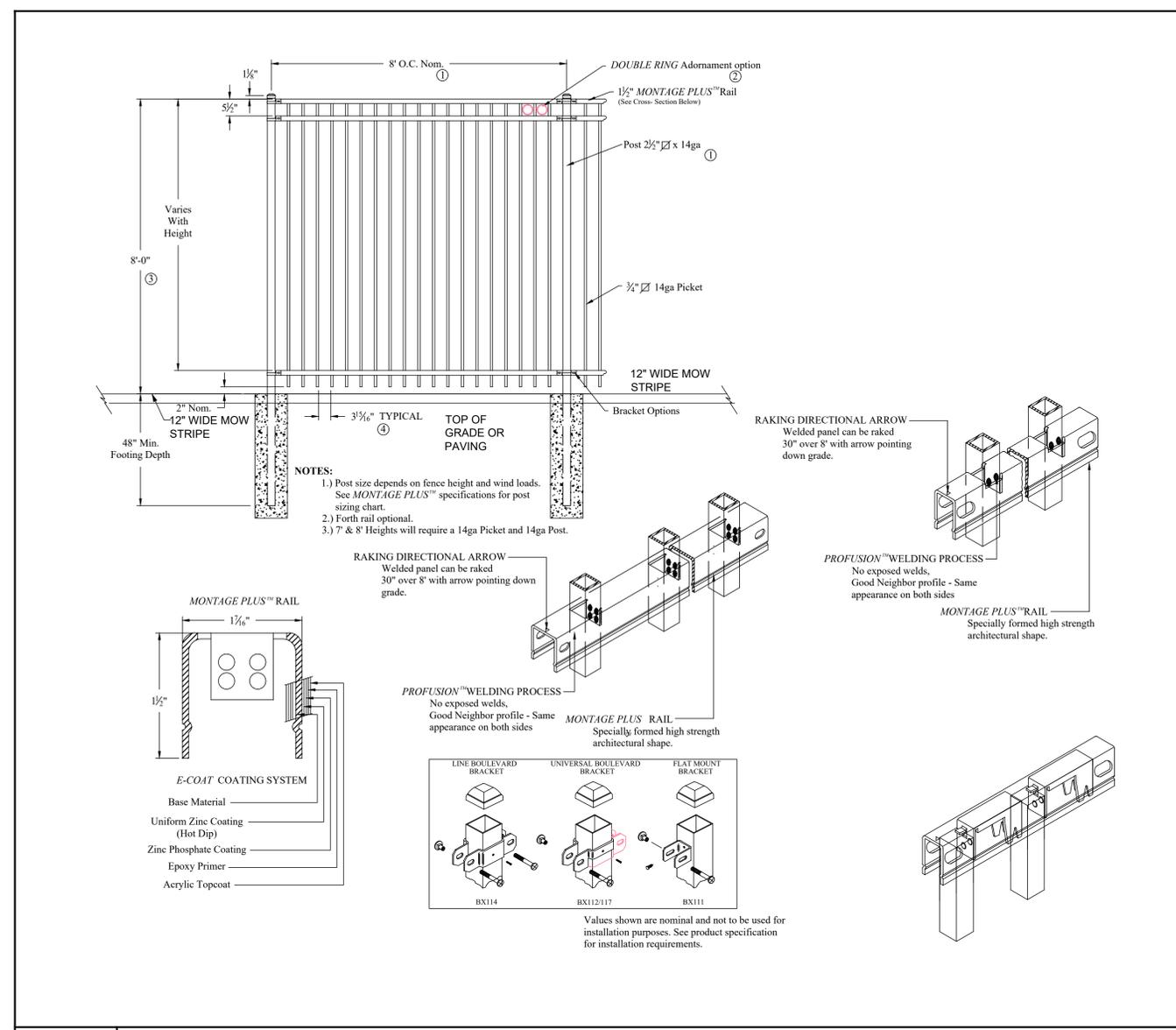
PROJECT NO.

SHEET TITLE

SITE DETAILS - FENCING

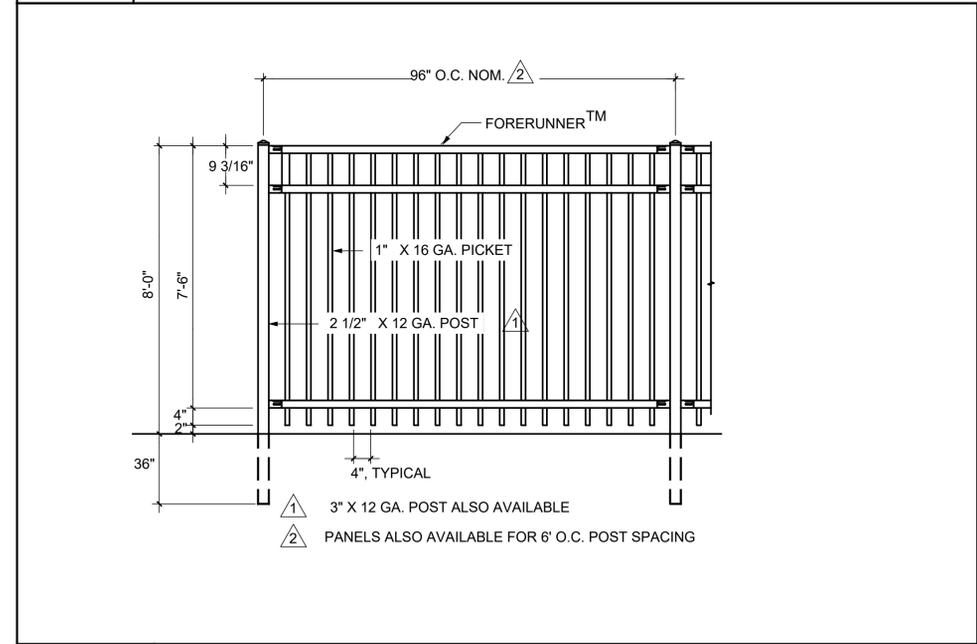
SHEET NO.

C03.20

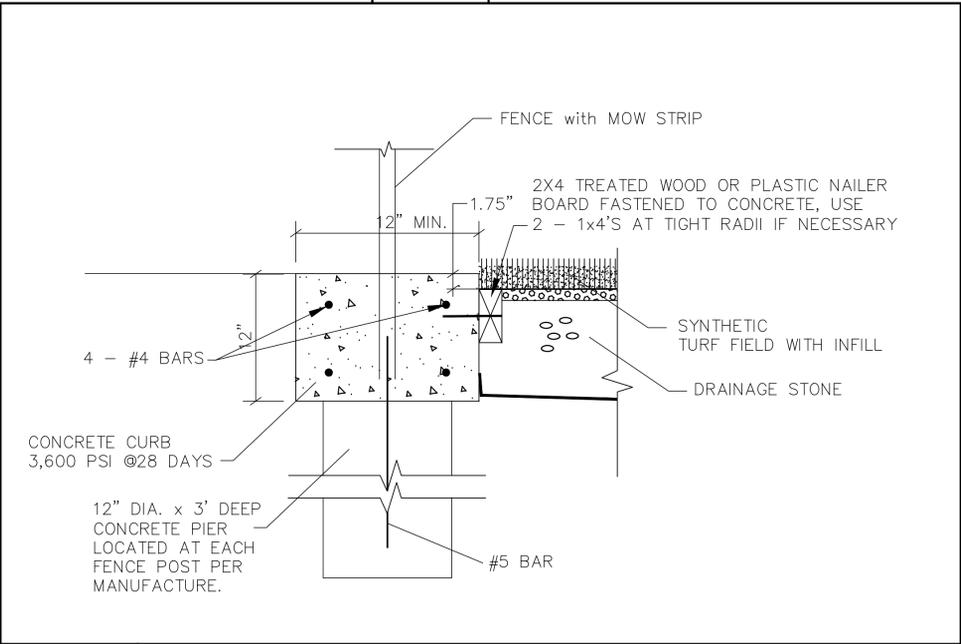


A1 METAL FENCE DETAILS SECTION "A-A"

A1 METAL FENCE DETAILS SECTION "A-A"



B1 ORNAMENTAL FENCE DETAIL SECTION "A-A"

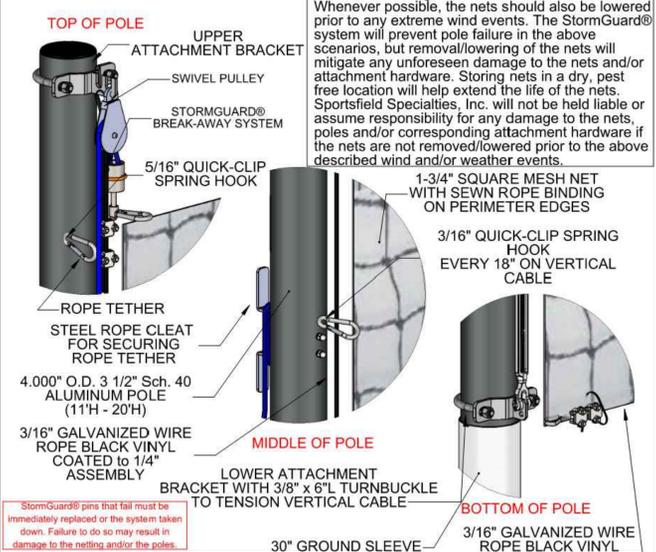


B1 ORNAMENTAL FENCE DETAIL WITH MOW STRIP SECTION "A-A"

**SPORTSFIELD SPECIALTIES**  
www.sportsfield.com

**Excellence from Design to Installation**  
4055 State Highway 10, PO Box 225, Dohi, NY 13753 CALL: 888-979-3343 FAX: 607-746-8481

United States Patent #9,017,190 Issued April 28, 2015  
United States Patent #9,586,123 Issued March 7, 2017  
Standard Black Powder Coated Finish



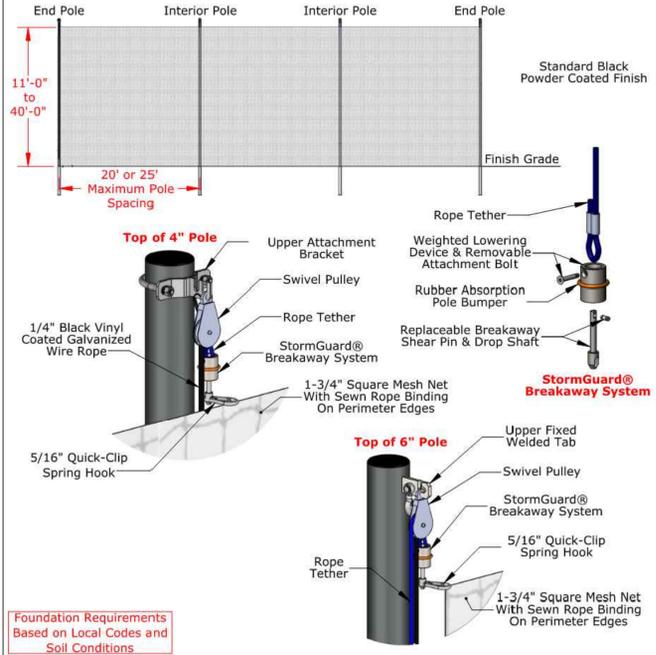
STANDARD PART NUMBERS	DESCRIPTION	EXPECTED NET SAG
BSS412 (TFBSS412P-SG)	12H SYSTEM	±1'-8"
BSS415 (TFBSS415P-SG)	15H SYSTEM	±1'-8"
BSS420 (TFBSS420P-SG)	20H SYSTEM	±2'-2"
BSS-CUSTOM (TFBSS4_P-SG)	CUSTOM HEIGHTS GREATER THAN 10' AND UP TO 20' AVAILABLE	

**4" Straight Pole StormGuard® Professionally Pre-Engineered Break-Away Ball Safety Netting System**  
Not To Scale Sportsfield Specialties Inc 105595.1-221212

**SPORTSFIELD SPECIALTIES**  
www.sportsfield.com

**Excellence from Design to Installation**  
4055 State Highway 10, PO Box 225, Dohi, NY 13753 CALL: 888-979-3343 FAX: 607-746-8481

United States Patent #9,017,190 Issued April 28, 2015  
United States Patent #9,586,123 Issued March 7, 2017



**StormGuard® Professionally Pre-Engineered Breakaway Ball Safety System Netting**  
Not To Scale Sportsfield Specialties Inc 07162020

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REVISIONS

Revision No.

Director CMA  
Approver CMA  
Designer GEC  
Designer GEC  
Proj. Arch. RMR  
Checker RMR

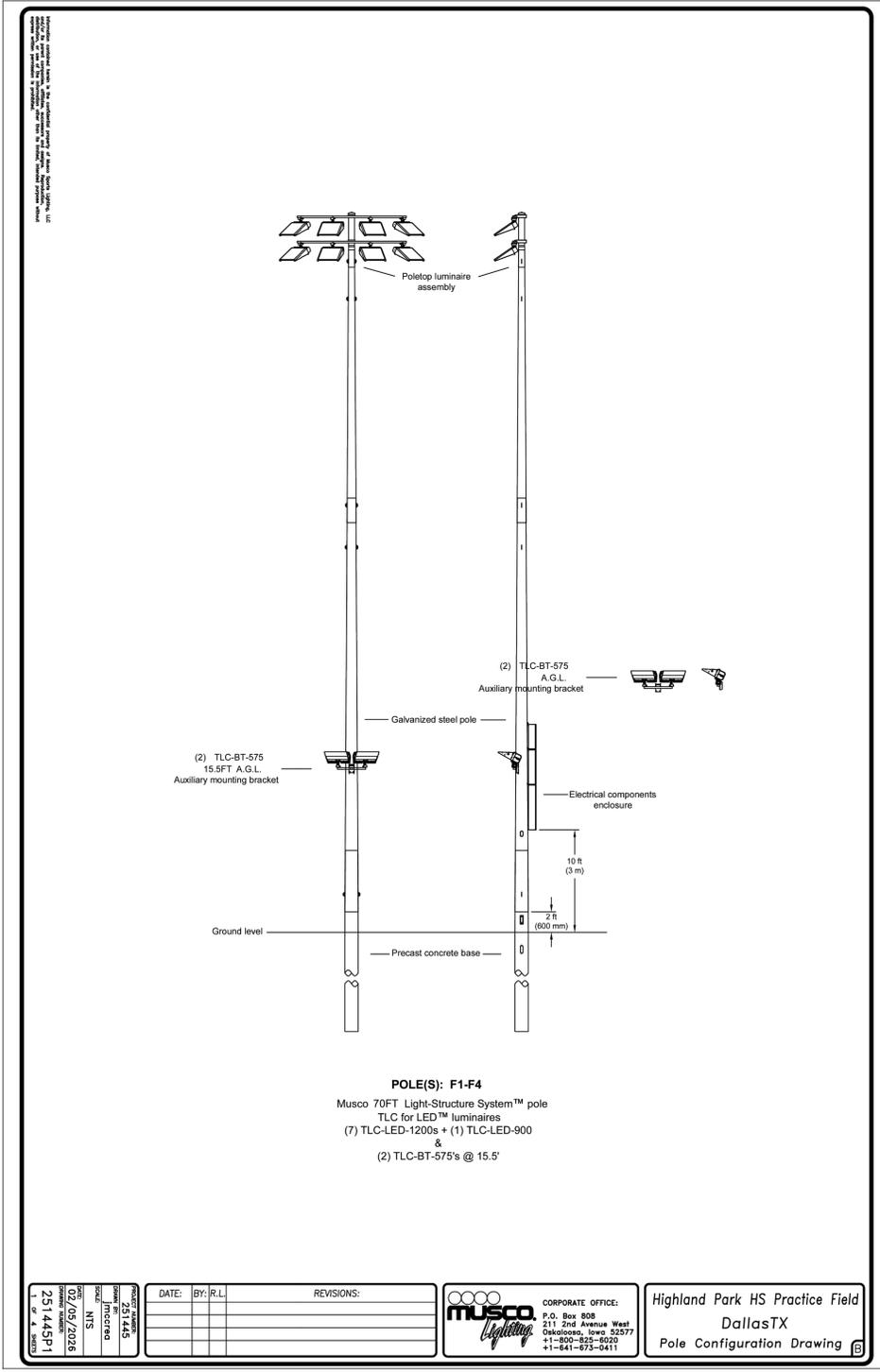
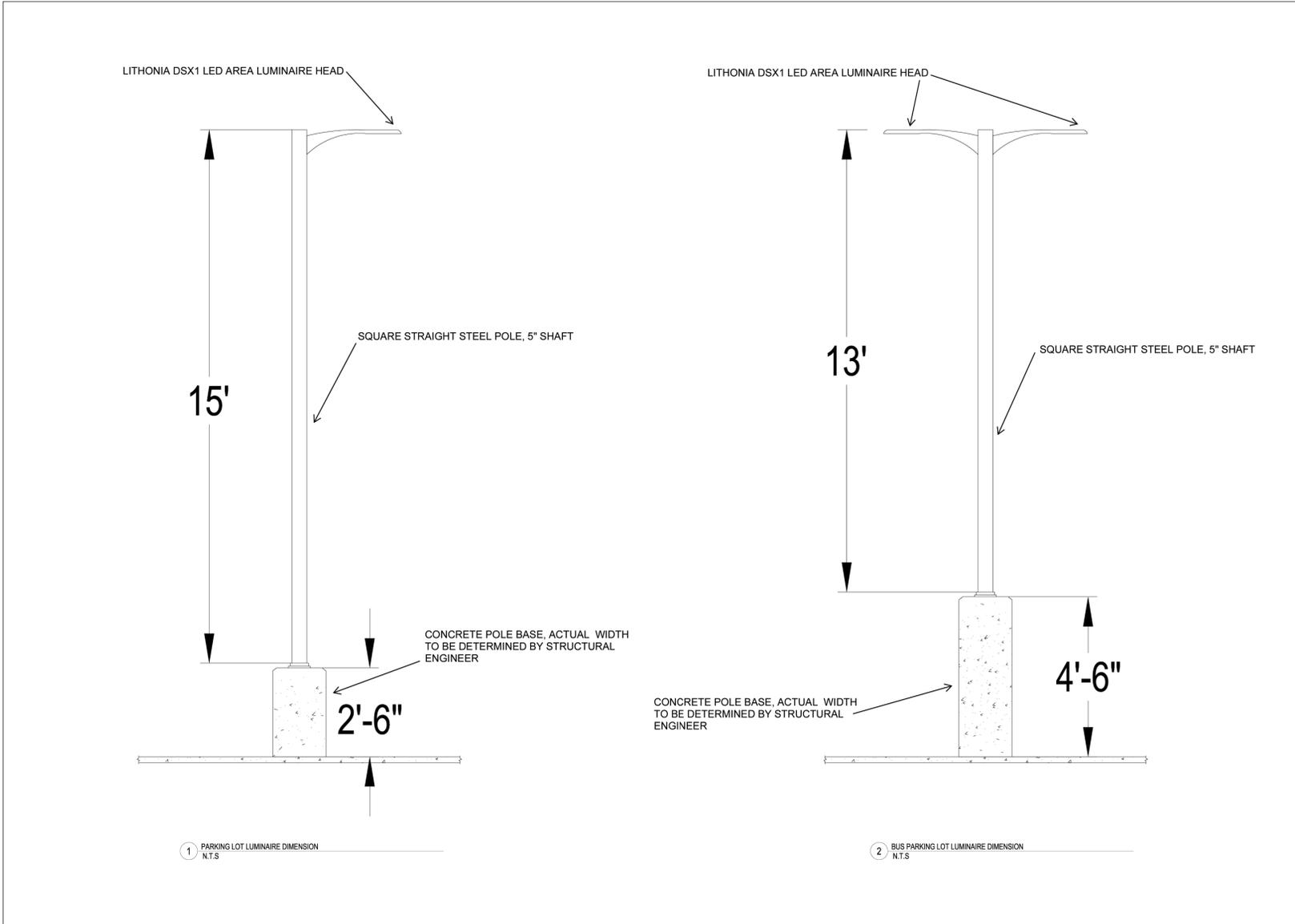
PROJECT NO.

SHEET TITLE

SITE DETAILS - LIGHTING

SHEET NO.

C03.22



DATE: BY: R.L. REVISIONS:		CORPORATE OFFICE: P.O. Box 808 211 2nd Avenue West Oskaloosa, Iowa 52577 +1-800-825-6029 +1-641-673-0411	Highland Park HS Practice Field DallasTX Pole Configuration Drawing
		PROJECT NO.	

# DAKTRONICS FB-2023 PRODUCT SPECIFICATIONS



This outdoor LED football/track scoreboard displays period time to 99:59, HOME and GUEST scores to 99, T.O.L. (time out left) to nine, and DOWN/TO GO/BALL ON/QTR (quarter) information. Arrows indicate possession. Track running time displays to 1/10 of a second, while lead split and finish times display to 1/100 of a second. Scoreboard comes standard with track captions on changeable panels. When period time is less than one minute, the scoreboard displays time to 1/10 of a second.

DIMENSIONS	# OF SECTIONS
8'-0" H x 25'-0" W x 8" D (2.44 m x 7.62 m x 203 mm)	Two Total
4'-0" H x 25'-0" W x 8" D (1.22 m x 7.62 m x 203 mm)	One Top & One Bottom

	VINYL CAPTIONS (STANDARD)	TNMCs & VINYL CAPTIONS	TNMCs & ELECTRONIC CAPTIONS	BACKLIT CAPTIONS
<b>POWER (120 VAC)</b>	Red/Amber Digits 340 Watts, 2.9 Amps White Digits 710 Watts, 6.0 Amps	440 Watts, 3.7 Amps 940 Watts, 7.9 Amps	620 Watts, 5.2 Amps 1300 Watts, 10.9 Amps	550 Watts, 4.6 Amps 920 Watts, 7.7 Amps
<b>UNCRATED WEIGHT</b>	Top Section 410 lb (186 kg) Bottom Section 410 lb (186 kg) <b>Total 820 lb (372 kg)</b>	530 lb (240 kg) 530 lb (240 kg) <b>940 lb (426 kg)</b>	530 lb (240 kg) 570 lb (259 kg) <b>1100 lb (499 kg)</b>	474 lb (215 kg) 470 lb (212 kg) <b>964 lb (437 kg)</b>

\*Scoreboard requires a dedicated circuit. Models with 240 VAC power at half the indicated amperage are also offered (International Use Only).

**DIGITS & INDICATORS**

- Clock digits are 30" (762 mm) high. T.O.L. digits are 18" (457 mm) high. All other digits are 24" (610 mm) high.
- Select red, amber, or white LED digits and indicators.
- Scoreboard features weather-sealed PanaView® digits (see DD249564d).
- Digits may be dimmed for night viewing.

**DISPLAY COLOR**

Choose a color from the Daktronics standard paint book (see SL02730).

**CONSTRUCTION**

Alcoa aluminum alloy 5052 for excellent corrosion resistance

**PRODUCT SAFETY APPROVAL**

ETL listed to UL 48, tested to CSA standards, and CE-labeled

WWW.DAKTRONICS.COM E-MAIL: SALES@DAKTRONICS.COM  
201 Daktronics Drive, PO Box 5128, Brookings, SD 57006  
Phone: 1-800-325-8764 or 605-697-0200 Fax: 605-697-4746  
DD2167306 01/27/25 Page 1 of 10



# DAKTRONICS FB-2023 PRODUCT SPECIFICATIONS

CONTROL CONSOLE	CONTROL OPTIONS
All Sport® 5000 (see SL03991)	<b>Wireless:</b> 2.4 GHz spread spectrum radios feature 64 non-interfering channels and 8 broadcast groups (see SL04370). This is a popular upgrade. <b>Wired:</b> Two-pair shielded cable of 22 AWG minimum is required. A cover plate with mounted connector and standard 2" x 4" x 2" (51 mm x 102 mm x 51 mm) outlet box is provided. Connector mates with signal cable from control console.
DAK Score & MX-1 (see DD3888368)	CUSTOMER SUPPLIED mobile device or tablet with DAK Score app installed communicates via Bluetooth® wireless technology to an MX1 Interface Box that controls the scoreboard through 2.4 GHz radio or wired connection. <b>Track timing not currently supported.</b>

**SEGMENT TIMER MODE**

The segment timer mode is ideal for keeping practices on schedule. The horn at the end of a segment allows coaches and athletes to focus on the practice and to listen for the horn when it is time to change drills (see SL04004).

**TIME OF DAY MODE**

This scoreboard features a Time of Day (TOD) mode that allows it to act as a clock when the control console is unplugged or off. Refer to the scoreboard installation manual for instructions on how to enable the Time of Day mode.

**MOUNTING**

Scoreboard is typically mounted on two vertical beams or poles. Hardware to mount scoreboard on two beams is included; hardware for more beams is at additional cost. Standard mounting uses I-beam clamps. Optional mounting method using angle brackets is also offered; maximum beam width is 12" (305 mm) and maximum beam depth is 22" (559 mm). Refer to attached drawings for more information on mounting methods.

**SERVICE ACCESS**

Digit panels and electronics are serviced from the front of the scoreboard.

**GENERAL INFORMATION**

Scoreboard provides scoring capabilities for two teams. 100% solid state electronics are housed in an all aluminum cabinet. Scoreboard is shipped in two sections. Scoreboard power is to be provided on a dedicated circuit to prevent loss of game information due to failure of another component on the circuit. Specifications and pricing are subject to change without notice.

**ADVERTISING/IDENTIFICATION PANELS**

**Backlit & Non-Backlit:**

- 1'-6" H x 25'-0" W (457 mm x 7.62 m)
- 2'-0" H x 25'-0" W (610 mm x 7.62 m)
- 2'-6" H x 25'-0" W (762 mm x 7.62 m)
- 3'-0" H x 25'-0" W (914 mm x 7.62 m)
- 4'-0" H x 25'-0" W (1.22 m x 7.62 m)

For additional non-backlit panel sizes, see SL02761.

WWW.DAKTRONICS.COM E-MAIL: SALES@DAKTRONICS.COM  
201 Daktronics Drive, PO Box 5128, Brookings, SD 57006  
Phone: 1-800-325-8764 or 605-697-0200 Fax: 605-697-4746  
DD2167306 01/27/25 Page 2 of 10



# DAKTRONICS FB-2023 PRODUCT SPECIFICATIONS

## ALTERNATE CAPTIONS & SCORING MODES



Track Mode, EVENT/HEAT - vinyl, backlit & electronic captions shown

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Phone: 1-800-325-8764 or 605-697-0200 Fax: 605-697-4746  
DD2167306 01/27/25 Page 3 of 10



23'-0"

DISPLAY HEIGHT IS MADE UP OF ANY COMBINATION OF SCOREBOARDS, AD PANELS, RUBBERS, AND MESSAGE CENTERS.

14'-0" - 16'-0" COLUMNS

SEE DETAIL A

HEXAGONAL TOP BRACKETS TO ASSIST WITH ESTIMATING INSTALLATION COSTS AND ARE NOT INTENDED FOR CERTIFICATION BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH DAKOTA. THESE BRACKETS CAN BE USED FOR OTHER TYPES OF APPLICATIONS.

CONCRETE CURBS AT 26" AWAY FROM COLUMNS TO AVOID WATER PENETRATING.

GRACE

HEIGHT ABOVE GRADE

FOOTING DEPTH

FRONT VIEW

REAR VIEW

LAYOUT VIEW

COLUMNS & FOOTING ONLY

TABLE A - MOUNTING

HEIGHT ABOVE GRADE = 10'	DESIGN WIND VELOCITY				HEIGHT ABOVE GRADE = 15'	DESIGN WIND VELOCITY			
	115 MPH	120 MPH	150 MPH	170 MPH		115 MPH	120 MPH	150 MPH	170 MPH
8	COLUMN W10438	W10439	W10440	W10441	8	COLUMN W10438	W10439	W10440	W10441
10	COLUMN W10438	W10439	W10440	W10441	10	COLUMN W10438	W10439	W10440	W10441
12	COLUMN W10438	W10439	W10440	W10441	12	COLUMN W10438	W10439	W10440	W10441
14	COLUMN W10438	W10439	W10440	W10441	14	COLUMN W10438	W10439	W10440	W10441
16	COLUMN W10438	W10439	W10440	W10441	16	COLUMN W10438	W10439	W10440	W10441
18	COLUMN W10438	W10439	W10440	W10441	18	COLUMN W10438	W10439	W10440	W10441
20	COLUMN W10438	W10439	W10440	W10441	20	COLUMN W10438	W10439	W10440	W10441

FOOTING DIMENSIONS = DIAMETER X DEPTH  
\* DENOTES ADDITIONAL GRACES REQUIRED AT THE MID HEIGHT OF DISPLAY

TABLE B

HEIGHT ABOVE GRADE = 10'	DESIGN WIND VELOCITY				HEIGHT ABOVE GRADE = 15'	DESIGN WIND VELOCITY			
	115 MPH	140 MPH	170 MPH	190 MPH		115 MPH	140 MPH	170 MPH	190 MPH
8	COLUMN W10438	W10439	W10440	W10441	8	COLUMN W10438	W10439	W10440	W10441
10	COLUMN W10438	W10439	W10440	W10441	10	COLUMN W10438	W10439	W10440	W10441
12	COLUMN W10438	W10439	W10440	W10441	12	COLUMN W10438	W10439	W10440	W10441
14	COLUMN W10438	W10439	W10440	W10441	14	COLUMN W10438	W10439	W10440	W10441
16	COLUMN W10438	W10439	W10440	W10441	16	COLUMN W10438	W10439	W10440	W10441
18	COLUMN W10438	W10439	W10440	W10441	18	COLUMN W10438	W10439	W10440	W10441
20	COLUMN W10438	W10439	W10440	W10441	20	COLUMN W10438	W10439	W10440	W10441

FOOTING DIMENSIONS = DIAMETER X DEPTH  
\* DENOTES ADDITIONAL GRACES REQUIRED AT THE MID HEIGHT OF DISPLAY

DAKTRONICS, INC.  
DO NOT SCALE DRAWING

PRO-OUTDOOR SCOREBOARD INSTALLATION SPECS  
THIS 25" WIDTH SCOREBOARD INSTALLATION SPECS  
DESIGN: TIAS/CHN  
DATE: 22/JUL/14  
SCALE: 1/16" = 1'

SHEET: REV: JOB NO.: P1538  
DATE: 01/23/25  
FUNK-TYPE-SIZE: E-10 A  
1183308

VERTICAL BEAM - FLANGE THICKNESS MUST BE 1/4" - 3/4"

1/2-13 X 3.000 BOLT - BOLT THREAD MUST ENGAGE ENTIRE DEPTH OF SPRING NUT. BOLT MUST BE TIGHTENED TO 40FT-LB TORQUE

1/2" LOCK WASHER

I-BEAM CLAMP - ASSURE CLAMP IS TIGHTLY ENGAGED TO I-BEAM AND NUT

SPRING NUT

SCALE: 1:32

FRONT OF SCOREBOARD

TOP VIEW

\*\*\*CRITICAL\*\*\*  
DO NOT USE ANY LUBRICANT ON ANY MOUNTING HARDWARE OR WARRANTY WILL BE VOIDED

EXPLODED REAR ISOMETRIC VIEW

STANDARD MOUNTING METHOD

MOUNTING INSTRUCTIONS:

- PLACE SPRING NUTS INTO SCOREBOARD CHANNEL IN APPROXIMATE LOCATION OF VERTICAL BEAMS
- LIFT SCOREBOARD INTO POSITION
- MAKE SURE THE 1/2-13 BOLTS ARE AS CLOSE TO THE I-BEAM FLANGES AS POSSIBLE
- WHEN SCOREBOARD IS ADJUSTED TO FINAL DESIRED POSITION, TIGHTEN BOLTS FIRMLY
- IF FLANGE THICKNESS IS MORE THAN 3/4" THICK LONGER BOLTS WILL BE REQUIRED AT THE CUSTOMER'S EXPENSE.

STRUCTURAL NOTES

ALLOWABLE CAPACITY PER EACH CLAMP:

SHEAR = 180 LBS  
TENSION = 2300 LBS

SHEAR AND TENSION LOAD DIRECTION ARE AS INDICATED ON REAR ISOMETRIC VIEW

PROJECT: OUTDOOR SCOREBOARD  
TITLE: P1647 I-BEAM CLAMP MOUNTING  
DATE: 22-DEC-15  
SCALE: 1/8" = 1"  
DESIGN: MCARSRU  
DRAWN: MCARSRU

THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE ORIGINAL AND PROPRIETARY TO DAKTRONICS, INC. OR ITS AFFILIATED SUBSIDIARIES. COPYRIGHT © DAKTRONICS, INC. 2015

DATE: 22-DEC-15  
SCALE: 1/8" = 1"  
JOB NO.: P1647  
FUNK-TYPE-SIZE: E-10 A  
1052565

EXPLODED SIDE VIEW UNSTRUT ATTACHMENT SCALE: 1/16"

EXPLODED REAR ROTATED VIEW SCALE: 1/8"

EXPLODED REAR VIEW SCALE: 1/16"

STRUCTURAL NOTES

ALLOWABLE CAPACITY PER COLUMN CONNECTION:

TENSION = 2400 LBS  
SHEAR AND TENSION LOAD DIRECTION ARE AS INDICATED ON REAR ISOMETRIC VIEW

STANDARD MOUNTING METHOD

MOUNTING INSTRUCTIONS:

- PLACE SPRING NUTS INTO SCOREBOARD CHANNEL IN LOCATION SHOWN IN TOP VIEW
- LIFT SCOREBOARD INTO POSITION
- APPROXIMATE LOCATION OF VERTICAL BEAMS CLOSE TO THE I-BEAM MID POSITION
- MAKE SURE THE 1/2-13 BOLTS ARE AS CLOSE TO THE I-BEAM FLANGES AS POSSIBLE
- WHEN SCOREBOARD IS ADJUSTED TO FINAL DESIRED POSITION, TIGHTEN BOLTS FIRMLY
- IF FLANGE THICKNESS IS MORE THAN 3/4" THICK LONGER BOLTS WILL BE REQUIRED AT THE CUSTOMER'S EXPENSE.

\*\*\*CRITICAL\*\*\*  
DO NOT USE ANY LUBRICANT ON ANY MOUNTING HARDWARE OR WARRANTY WILL BE VOIDED

PROJECT: OUTDOOR SCOREBOARD  
TITLE: P1647 I-BEAM CLAMP MOUNTING  
DATE: 22-DEC-15  
SCALE: 1/8" = 1"  
JOB NO.: P1647  
FUNK-TYPE-SIZE: E-10 A  
1052565

VLK ARCHITECTS

ARCHITECT

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Irving, Texas 75038  
Main Phone: 972.717.5151  
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HIGHLAND PARK HIGH SCHOOL CAMPUS

HIGHLAND PARK I.S.D. CITY OF UNIVERSITY PARK, TX

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF MIKE GLENN, P.E. 35059, ON March 3, 2026. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES

REVISIONS

Revision No.

Director: CMA  
Approver: CMA  
Designer: GEC  
Design: GEC  
Proj. Arch: RMR  
Checker: RMR

PROJECT NO.

SHEET TITLE

SITE DETAILS - SCORE BOARD

SHEET NO.

C03.23

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**PHOTOMETRIC SITE PLAN GENERAL NOTES**

1. THESE PLANS ARE ACCURATE AND DESIGNED IN COMPLIANCE WITH AND MEET THE REQUIREMENTS OF THE CITY OF xx / TOWN OF xx OUTDOOR LIGHTING ORDINANCE IN EFFECT AT THE TIME OF THE SUBMISSION OF PLANS.
2. ALL CALCULATIONS SHOWN ARE AT THE GROUND LEVEL AND ARE MEASURED HORIZONTALLY.
3. LIGHTING CALCULATIONS HAVE BEEN PRODUCED USING AGI32 LIGHTING SOFTWARE BY LIGHTING ANALYSTS, INC.



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**FOOD SERVICE**  
**JMK**  
 3431 Lakeview Pkwy Ste 205  
 Rowlett, TX 75088  
 Main Phone: 214.227.2481  
 www.jmkda.net

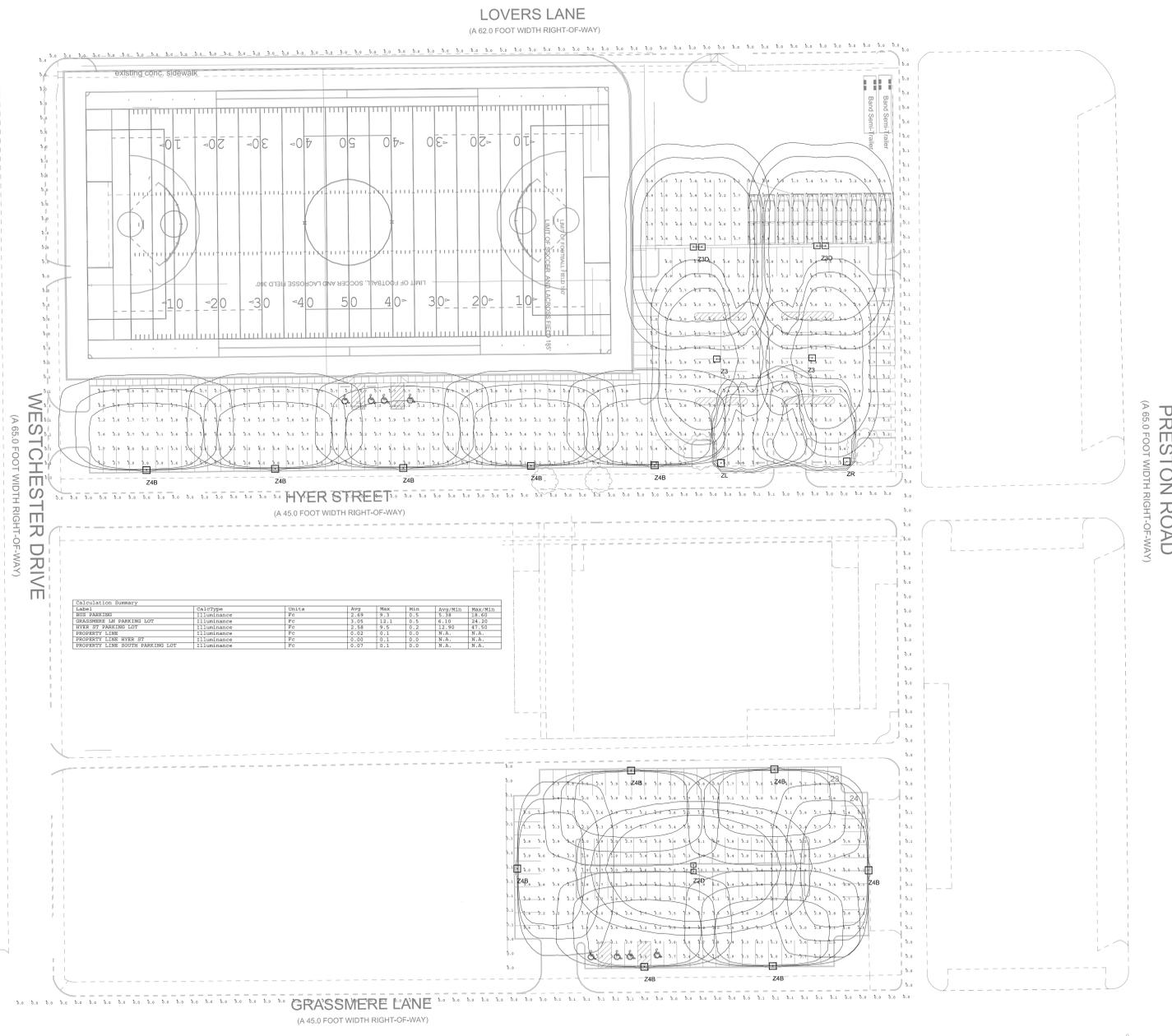
**M.E.P. ENGINEER**  
**EMA ENGINEERING**  
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 Tyler, Texas 75702  
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 www.leelewis.com

**ROOFING**  
**DRYTEC**  
 8750 N Central Expy #75231  
 Dallas, TX 75231  
 Main Phone: 214.363.2192  
 www.drytecmptc.com

HIGHLAND PARK ISD  
 4220 Emerson Ave, Dallas, TX 75205

HIGHLAND PARK HIGH SCHOOL RENOVATION



Calculation Summary

Category	Calc Type	Area	Peak	Min	Avg	Max	Min
LAND	Illuminance	2.59	9.3	0.5	5.78	39.60	24.00
EXIST PARKING	Illuminance	2.59	9.3	0.5	5.78	39.60	24.00
PROPOSED OR PARKING LOT	Illuminance	2.59	9.3	0.5	5.78	39.60	24.00
VIEW BY PARKING LOT	Illuminance	2.59	9.3	0.5	5.78	39.60	24.00
PROPERTY LINE	Illuminance	0.00	0.0	0.0	N/A	N/A	N/A
PROPERTY LINE VIEW BY	Illuminance	0.00	0.0	0.0	N/A	N/A	N/A
PROPERTY LINE BUFFER PARKING LOT	Illuminance	0.00	0.0	0.0	N/A	N/A	N/A

1 PHOTOMETRIC SITE PLAN  
 1"=40'-0"

100% Construction Documents Review

**REVIEW ONLY**  
 NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Engineer: James M. Tate III  
 License State: TX License No.: 102427  
 Date: 2/2/2026 4:03:32 PM

Project Issued: 03/14/2025

**REVISIONS**  
 Revision No. Revision Date

Director: MN  
 Proj. Arch.: HA

PROJECT NO.  
 25-0004.00  
 SHEET TITLE

PHOTOMETRIC SITE PLAN  
 SHEET NO.

ES1.2

**EMA** Engineering & Consulting, Inc.  
 Tyler | Austin | Houston | El Paso  
 DFW | San Antonio | Shreveport  
 Texas Firm Registration No. F-893  
 Louisiana Firm Registration No. EF-5818  
 www.EMAengineer.com

DESIGN SOLVE ENHANCE

SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND INCLUDED ANY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM.



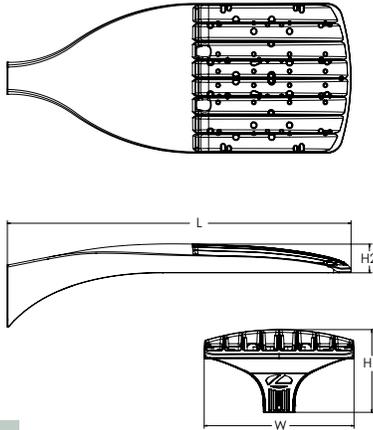
# D-Series Size 1 LED Area Luminaire



d#series

## Specifications

<b>EPA:</b>	0.69 ft <sup>2</sup> (0.06 m <sup>2</sup> )
<b>Length:</b>	32.71" (83.1 cm)
<b>Width:</b>	14.26" (36.2 cm)
<b>Height H1:</b>	7.88" (20.0 cm)
<b>Height H2:</b>	2.73" (6.9 cm)
<b>Weight:</b>	34 lbs (15.4 kg)



**ds** Design Select options indicated by this color background.

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit [www.acuitybrands.com/designselect](http://www.acuitybrands.com/designselect).  
\*See ordering tree for details

## Ordering Information

**EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD**

DSX1 LED	Series	LEDs	Color temperature <sup>2</sup>	Color Rendering Index <sup>2</sup>	Distribution	Voltage	Mounting
DSX1 LED	Forward optics	(this section 70CRI only)		70CRI	AFR Automotive front row	T5M Type V medium	<b>Shipped included</b> SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling <sup>9</sup> RPA5 Round pole mounting #5 drilling <sup>9</sup> SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket <sup>10</sup> MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
		P1 P6	30K 3000K		T1S Type I short	T5LG Type V low glare	
		P2 P7	40K 4000K		T2M Type II medium	T5W Type V wide	
		P3 P8	50K 5000K	T3M Type III medium	BLC3 Type III backlight control <sup>3</sup>		
		P4 P9		T3LG Type III low glare <sup>3</sup>	BLC4 Type IV backlight control <sup>3</sup>		
	Rotated optics	P5	27K 2700K	80CRI	T4M Type IV medium	LCCO Left corner cutoff <sup>3</sup>	120 <sup>16,26</sup> 208 <sup>16,26</sup> 240 <sup>16,26</sup> 277 <sup>16,26</sup> 347 <sup>16,26</sup> 480 <sup>16,26</sup>
			30K 3000K	80CRI	T4LG Type IV low glare <sup>3</sup>	RCCO Right corner cutoff <sup>3</sup>	
		P10 <sup>1</sup> P12 <sup>1</sup>	35K 3500K	80CRI	TFTM Forward throw medium		
		P11 <sup>1</sup> P13 <sup>1</sup>	40K 4000K	80CRI			
			50K 5000K	80CRI			

Control options	Other options	Finish (required)
<b>Shipped installed</b> NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. <sup>11,12,20,21</sup> PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. <sup>13,20,21</sup> PER NEMA twist-lock receptacle only (controls ordered separately) <sup>14</sup> PER5 Five-pin receptacle only (controls ordered separate) <sup>14,21</sup>	<b>Shipped installed</b> SPD20KV 20KV surge protection HS Houseside shield (black finish standard) <sup>22</sup> L90 Left rotated optics <sup>1</sup> R90 Right rotated optics <sup>1</sup> CCE Coastal Construction <sup>23</sup> HA 50°C ambient operation <sup>24</sup> BAA Buy America(n) Act and/or Build America Buy America Qualified SF Single fuse (120, 277, 347V) <sup>25</sup> DF Double fuse (208, 240, 480V) <sup>26</sup> <b>Shipped separately</b> EGSR External Glare Shield (reversible, field install required, matches housing finish) BSDB Bird Spikes (field install required)	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



## Ordering Information

### Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>25</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>25</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>25</sup>
DSHORT SBK	Shorting cap <sup>25</sup>
DSX1HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGSR (FINISH)	External glare shield (specify finish)
DSX1BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

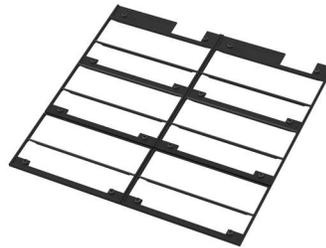
### NOTES

- Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in packages P1 or P10. XVOLT not available with P1, P2, P5, P7, P9, P10, P11 and P13 when combined with option NLTAIR2 PIRHN or PIR. XVOLT not available with fusing (SF or DF).
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#)
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS.
- PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120 or 277V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

## Shield Accessories



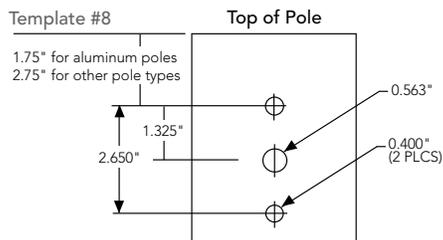
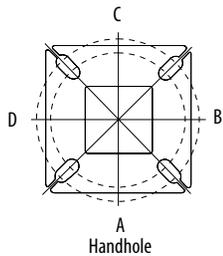
External Glare Shield (EGSR)



House Side Shield (HS)

## Drilling

### HANDHOLE ORIENTATION



### Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
<b>Minimum Acceptable Outside Pole Dimension</b>							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

### DSX1 Area Luminaire - EPA

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

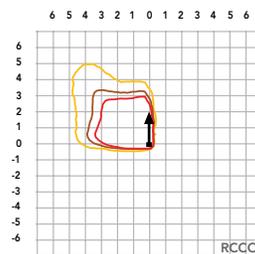
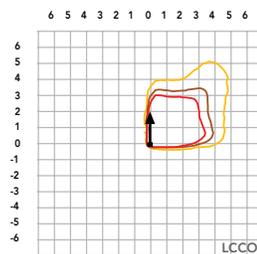
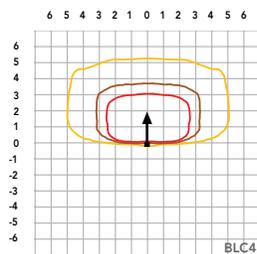
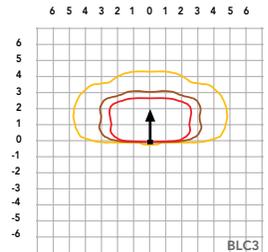
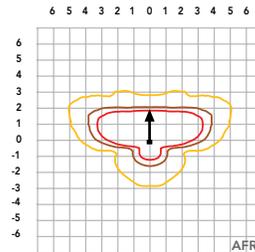
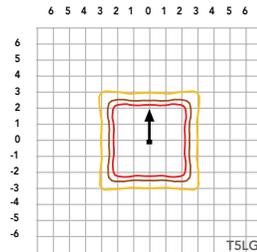
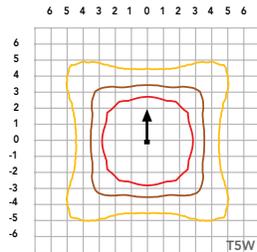
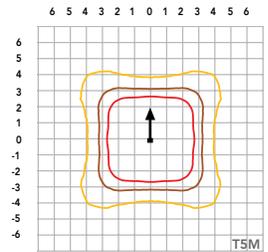
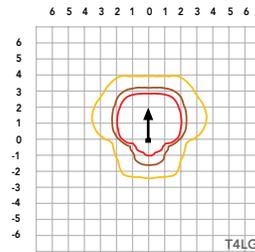
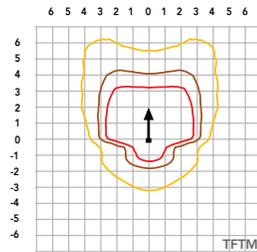
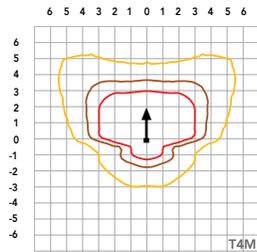
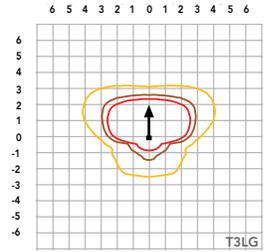
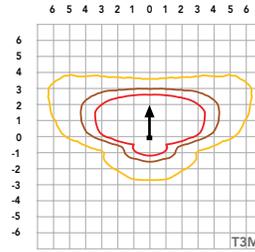
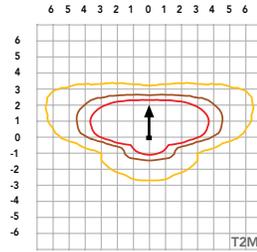
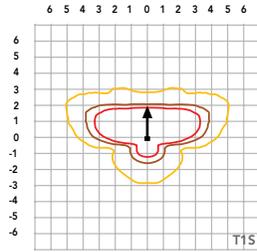
# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

## LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc





Sports Illustrated Stadium, Harrison, New Jersey, USA



UBS Arena, Elmont, New York, USA



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



Tottenham Hotspur FC Training Ground, Tottenham, London, UK

## Highland Park HS Practice Field

Dallas, TX



Sales Representative: Chris Johnson · Designed By: Jake McCrea · Design No.: 251445A · January 29, 2026

# Highland Park HS Practice Field

Dallas, TX

## LIGHTING SYSTEM

Structure/Fixture Summary						
Structure ID	Structure Height	Fixt. Attachment Ht.	Fixture Qty	Fixture Type	Load	Circuit
F1-F4	70'	70'	1	TLC-LED-900	0.88 kW	A
		70'	7	TLC-LED-1200	8.19 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
<b>4</b>			<b>40</b>		<b>40.88 kW</b>	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Football	40.88 kW	40

Fixture Type Summary								
Type	Circuit	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	A	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	8
TLC-LED-1200	A	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	28
TLC-LED-900	A	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	4

Single Fixture Amperage Draw Chart								
Driver Specifications (.90 min power factor)		Line Amperage Per Fixture (max draw)						
Single Phase Voltage		208	220	240	277	347	380	480
		(60)	(60)	(60)	(60)	(60)	(60)	(60)
TLC-LED-1200		6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-900		5.2	4.9	4.5	3.9	3.1	2.9	2.3
TLC-BT-575		3.3	3.2	2.9	2.5	2.0	1.8	1.5

## 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	6.85	0	65	-	-	A	40
Football	Horizontal Illuminance	55.40	46	62	1.36	1.21	A	40
Property Spill Line	Horizontal	3.16	0	17	-	-	A	40
Soccer	Horizontal Illuminance	52.79	41	64	1.56	1.29	A	40

**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
4	F1-F4	70'	-	70'	TLC-LED-1200	7	7	0
				70'	TLC-LED-900	1	1	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					40	40	0

Above Field Level is height of fixtures above area shown

**Highland Park HS Practice Field**

Dallas, TX

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

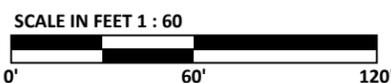
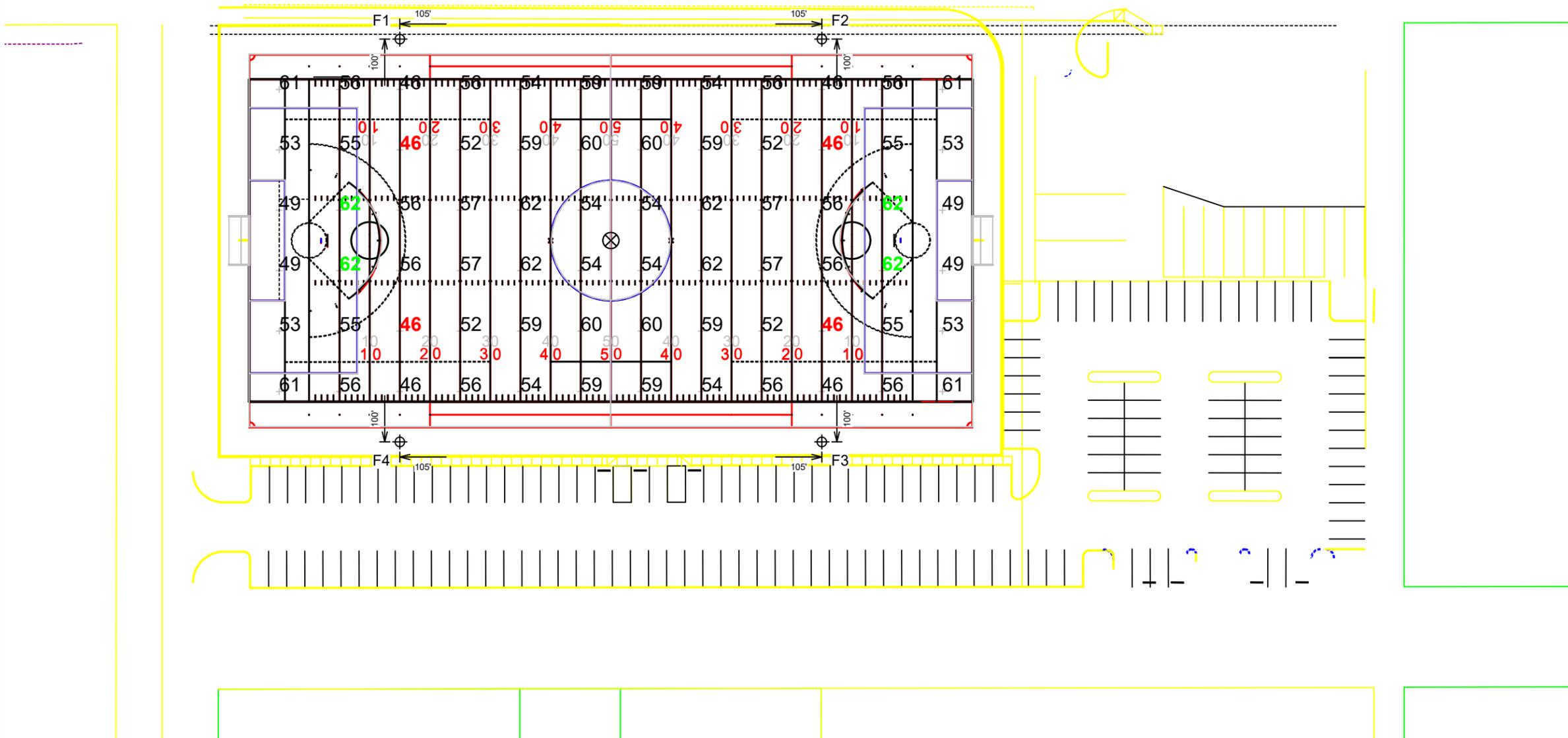
Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
<b>Guaranteed Average:</b>	<b>50</b>
Scan Average:	55.40
Maximum:	62
Minimum:	46
Avg/Min:	1.21
<b>Guaranteed Max/Min:</b>	<b>2</b>
Max/Min:	1.36
UG (adjacent pts):	1.25
CU:	0.72
No. of Points:	72
<b>FIXTURE INFORMATION</b>	
Applied Circuits:	A
<b>No. of Fixtures:</b>	<b>40</b>
Total Load:	40.88 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.



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



**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	F1-F4	70'	-	70'	TLC-LED-1200	7	7	0
				70'	TLC-LED-900	1	1	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					40	40	0

Above Field Level is height of fixtures above area shown

**Highland Park HS Practice Field**

Dallas, TX

Grid Summary	
Name:	Soccer
Size:	360' x 185'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

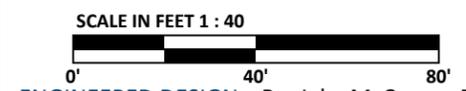
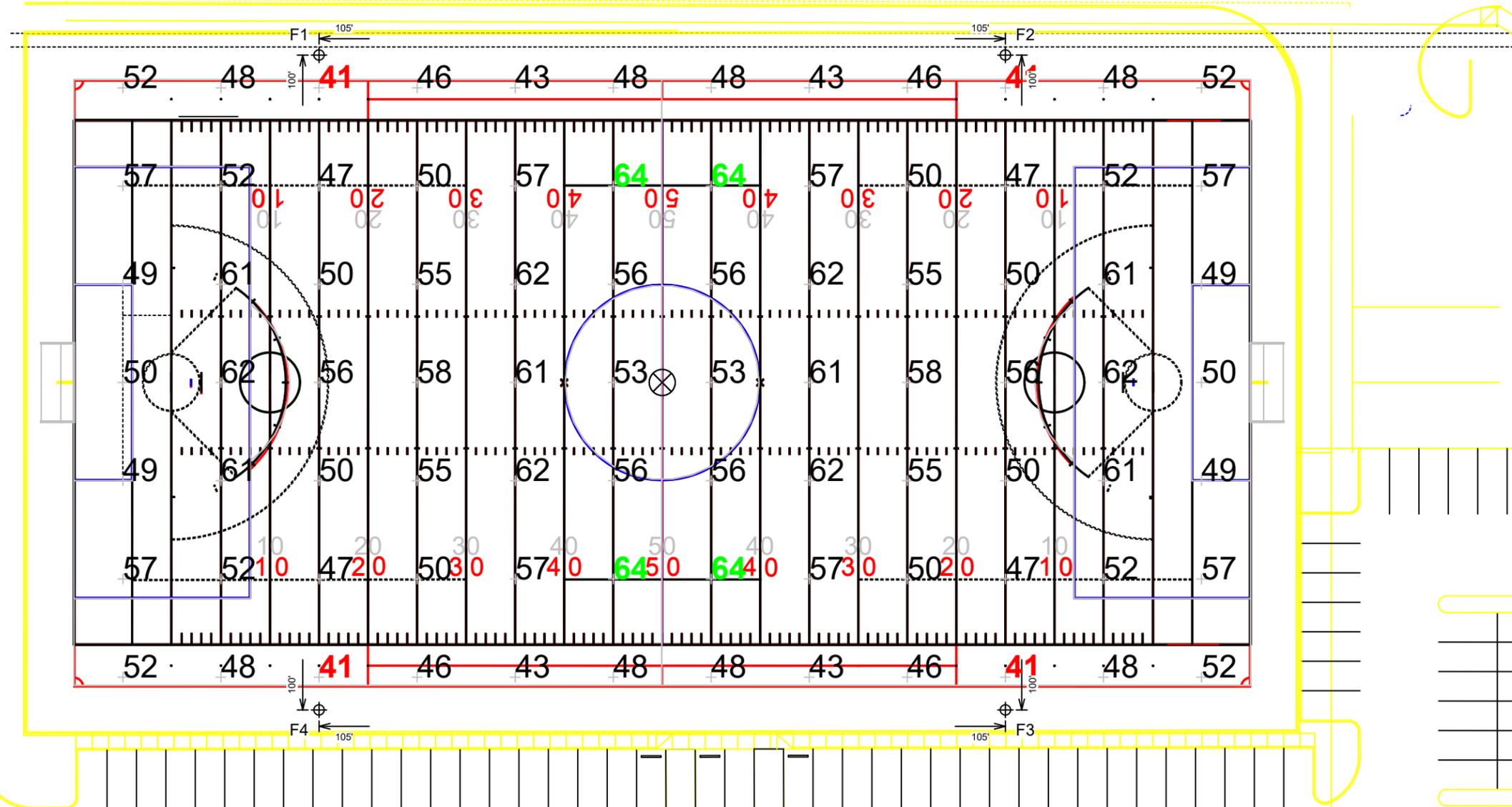
Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Guaranteed Average:	50
Scan Average:	52.79
Maximum:	64
Minimum:	41
Avg/Min:	1.29
Guaranteed Max/Min:	2
Max/Min:	1.56
UG (adjacent pts):	1.32
CU:	0.80
No. of Points:	84
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	40
Total Load:	40.88 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.



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



**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	F1-F4	70'	-	70'	TLC-LED-1200	7	7	0
				70'	TLC-LED-900	1	1	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					40	40	0

Above Field Level is height of fixtures above area shown

**Highland Park HS Practice Field**

Dallas, TX

Grid Summary	
Name:	Property Spill Line
Size:	360' x 160'
Spacing:	30.0' x 10.0'
Height:	3.0' above grade

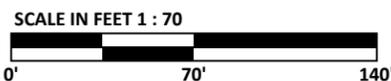
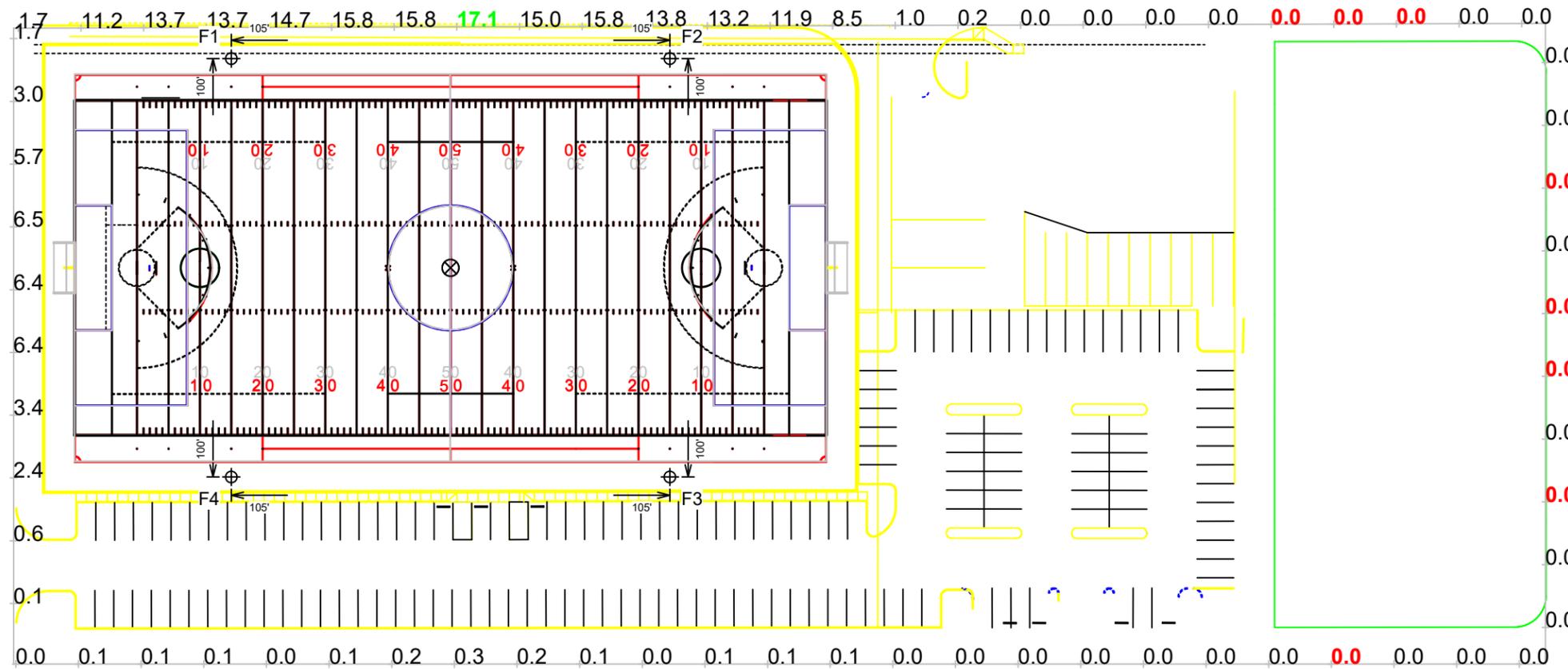
Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Scan Average:	3.16
Maximum:	17
Minimum:	0
Avg/Min:	-
Max/Min:	-
UG (adjacent pts):	0.00
CU:	0.01
No. of Points:	70
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	40
Total Load:	40.88 kW

**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.



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



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	F1-F4	70'	-	70'	TLC-LED-1200	7	7	0
				70'	TLC-LED-900	1	1	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					40	40	0

Above Field Level is height of fixtures above area shown

## Highland Park HS Practice Field

Dallas, TX

### Grid Summary

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

### Illumination Summary

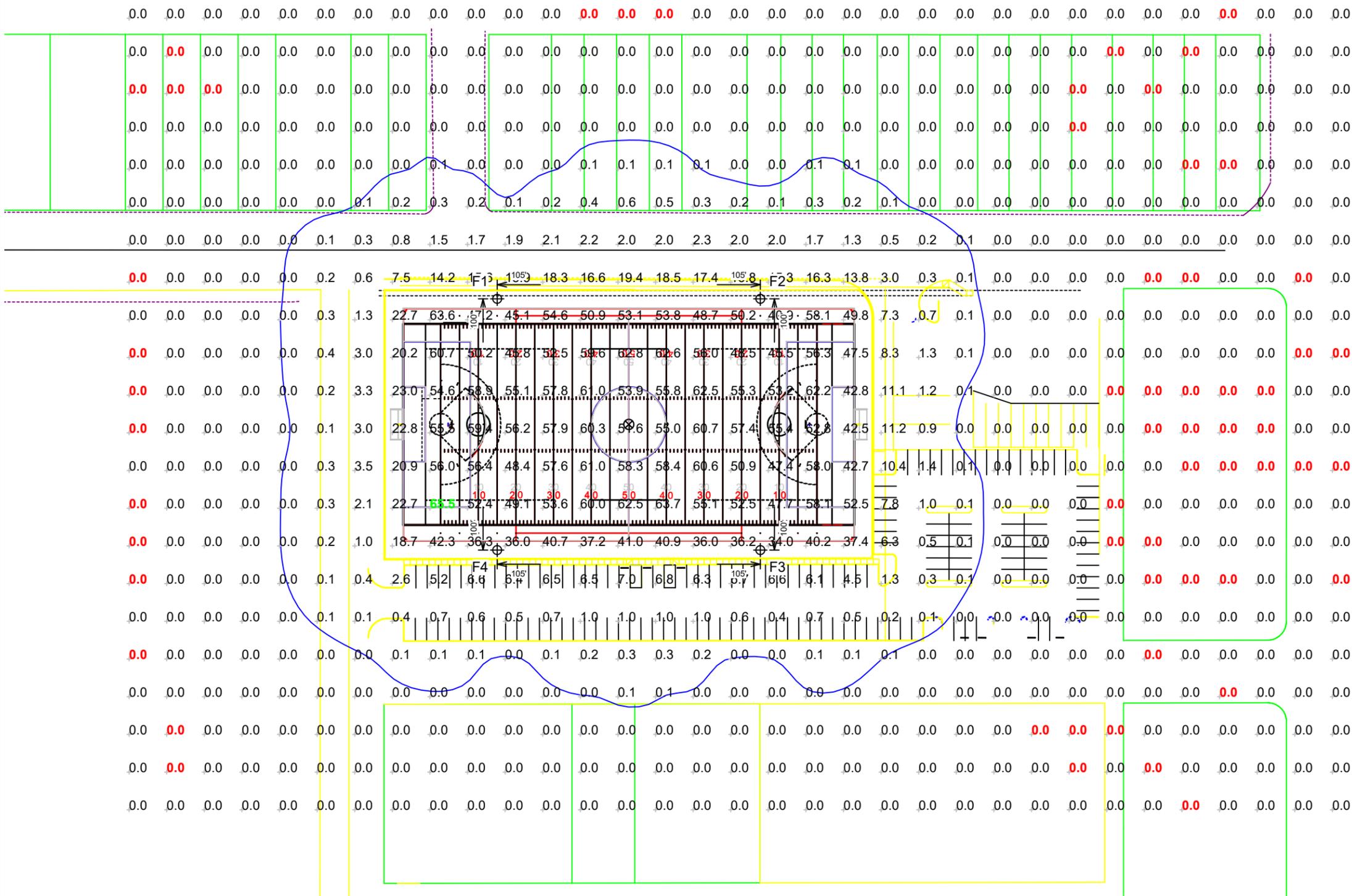
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	6.85
Maximum:	65
Minimum:	0
Avg/Min:	-
Max/Min:	-
UG (adjacent pts):	126.42
CU:	0.89
No. of Points:	726
<b>FIXTURE INFORMATION</b>	
Applied Circuits:	A
No. of Fixtures:	40
Total Load:	40.88 kW

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

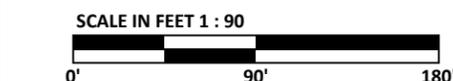
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions.

**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: - Blue contour line represents 0.0 FC horizontal



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



**Highland Park HS Practice Field**

Dallas, TX

**Equipment Layout**

**INCLUDES:**  
 · Football  
 · Soccer

**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.

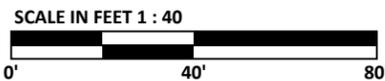
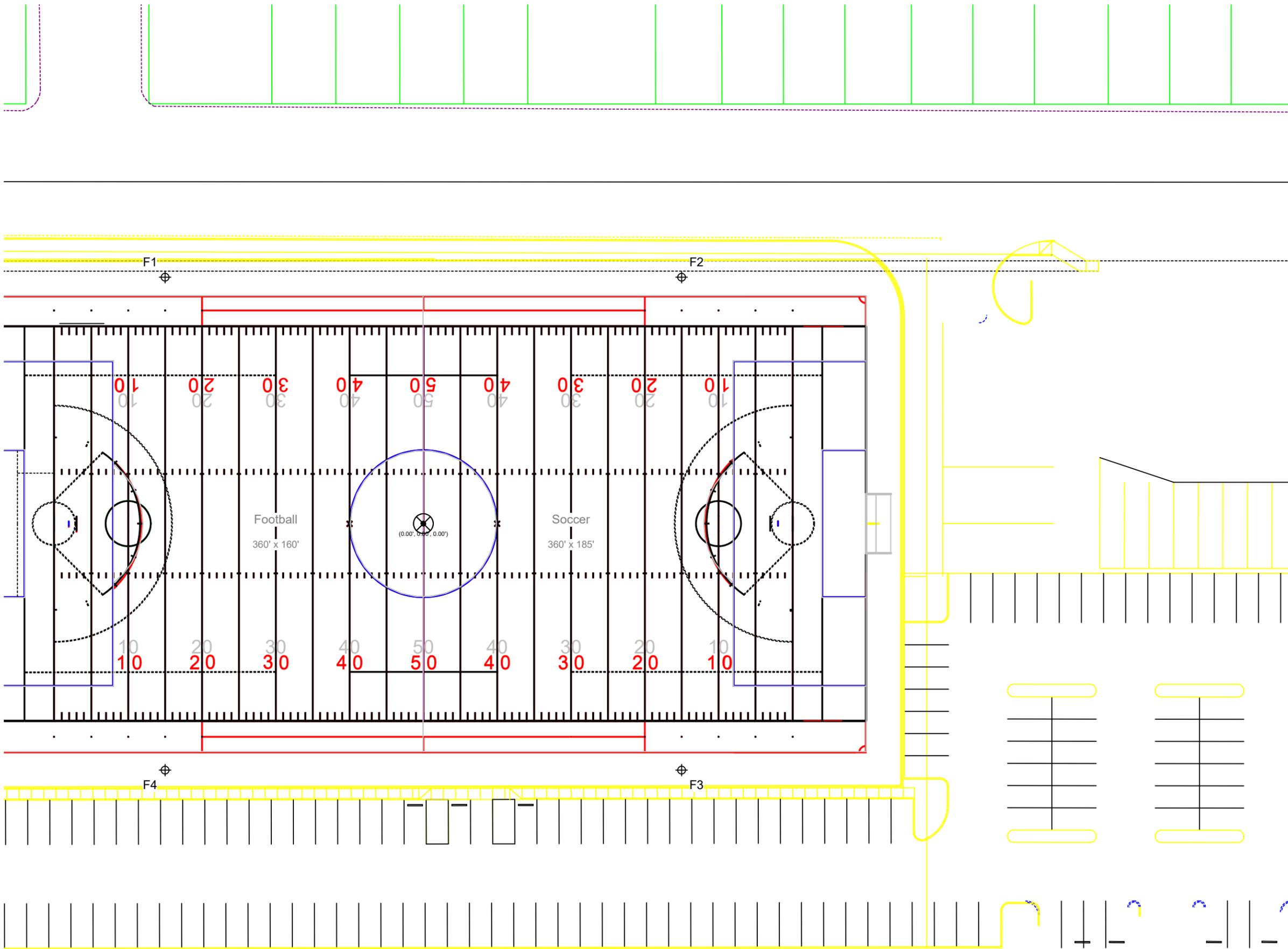
**Equipment List For Areas Shown**

QTY	Structure			Fixtures		QTY/POLE
	STRUCTURE ID	SIZE	GLOBAL ELEVATION	ABOVE GLOBAL LEVEL	FIXTURE TYPE	
4	F1-F4	70'	-	70'	TLC-LED-1200	7
				70'	TLC-LED-900	1
				15.5'	TLC-BT-575	2
4	Totals					40

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

**Single Fixture Amperage Draw Chart**

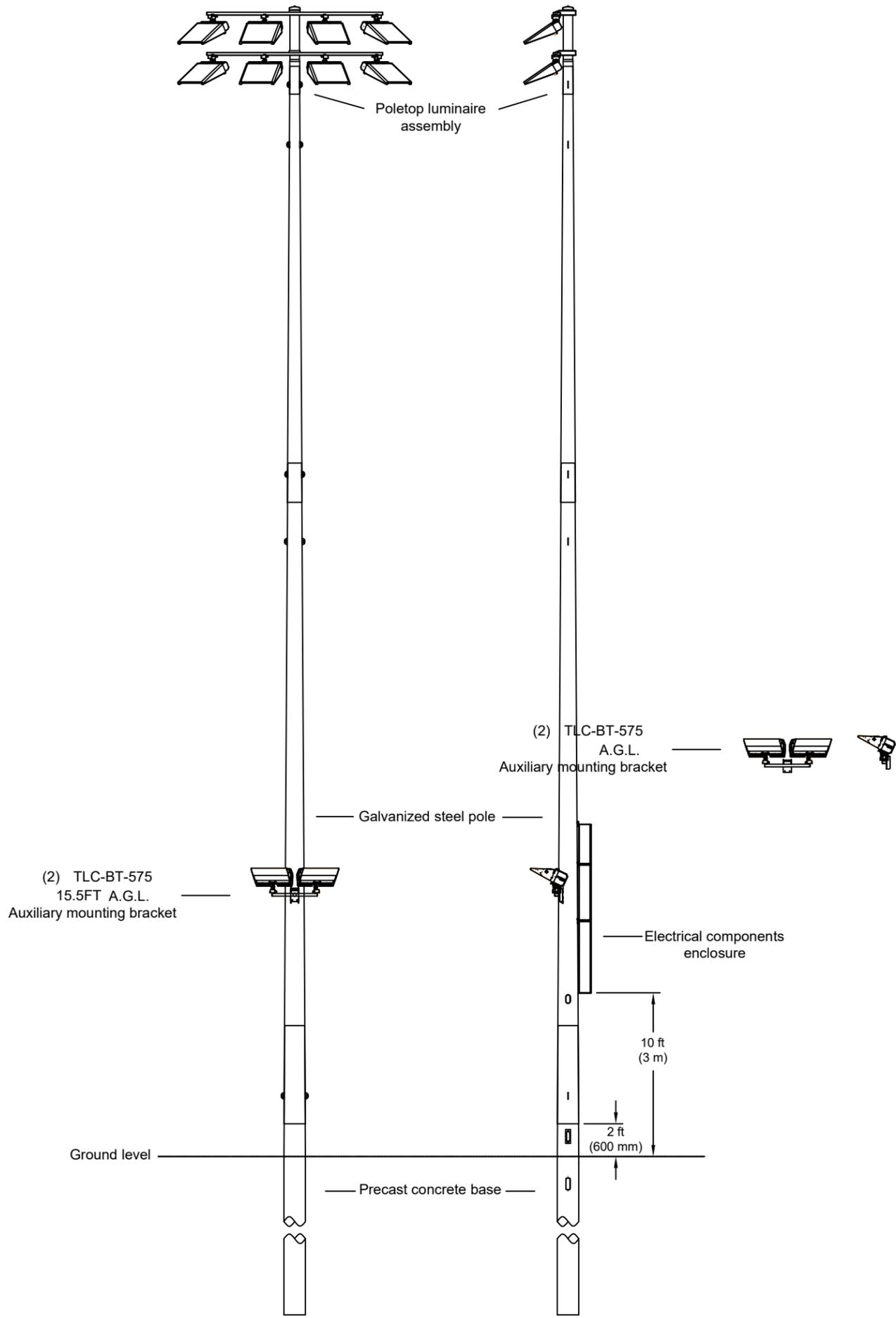
Driver Specifications (.90 min power factor)	Line Amperage Per Fixture (max draw)					
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	480 (60)
Single Phase Voltage	6.9	6.5	6.0	5.2	4.2	3.8
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8



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



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**POLE(S): F1-F4**

Musco 70FT Light-Structure System™ pole  
 TLC for LED™ luminaires  
 (7) TLC-LED-1200s + (1) TLC-LED-900  
 &  
 (2) TLC-BT-575's @ 15.5'

DATE:	02/05/2026
SCALE:	NTS
DRAWN BY:	jmcreed
PROJECT NUMBER:	251445
DRAWING NUMBER:	251445P1
	1 OF 4 SHEETS

DATE:	BY:	R.L.	REVISIONS:


**MUSCO**  
 Lighting

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 Oskaloosa, Iowa 52577  
 +1-800-825-6020  
 +1-641-673-0411

Highland Park HS Practice Field  
 DallasTX  
 Pole Configuration Drawing B

# SAMPLE FIELD LIGHTING





