

**OFFICE OF PLANNING AND ENVIRONMENTAL REVIEW  
COUNTY OF SACRAMENTO  
CALIFORNIA**

To: Design Review Advisory Committee

Subject: PLNP2021-00262. Jesuit High School Stadium Lighting (UPP-DRS). A Use Permit Amendment And Design Review For A Property Located At 1200 Jacob Lane In The Carmichael/Old Foothill Farm Community.

Final Hearing  
Body: Planning Commission

APN: 289-0210-045-0000

Supervisory  
District(s): Desmond

Contact: Kimber Gutierrez, Senior Planner, (916) 874-7259,  
[gutierrezk@sacounty.net](mailto:gutierrezk@sacounty.net)

**Details of Request:**

1. A **Use Permit Amendment** to PLNP2018-00190 to allow stadium lighting on the Jesuit High School athletic field in the Residential 4 (RD-4) zoning district.
2. A **Design Review** to determine substantial compliance with the *Sacramento County Countywide Design Guidelines* (Design Guidelines).

**Applicant and Property Owner:**

Jesuit High School  
1200 Jacob Lane  
Carmichael, CA 95608  
Contact: Anne Long and Tim Murchison

**Summary of Key Points:**

- The subject parcel contains athletic fields associated with Jesuit High School including, but not limited to, a football stadium, associated parking lot, and baseball fields.
- The main Jesuit High School campus is located to the north with single-family residential homes to the west, south, and east.
- On April 8, 2019, the Planning Commission approved a Use Permit Amendment and Design Review to legalize an existing scoreboard and relocated public address (PA) system on the athletic field, specifically in the football stadium. These entitlements were required after the applicant replaced an old scoreboard located on the east side of the field with a new digital scoreboard at the west end of the field, and replaced the PA system after it was stolen during the construction period of a grading permit in April 2015. As part of the approval, the PA system was relocated pursuant to the approved exhibits.

- A number of Temporary Use Permits have been issued between 2018 and 2020 for events at the campus and for the use of field lights.
- The proposed request is to construct four, 80-foot tall light poles installed at the 10 yard line on each side of the football field.
- The proposed stadium light usage schedule is provided as Attachment 2.
- The Carmichael/Old Foothill Farms CPAC is meeting on April 20, 2022 to review the proposed request.
- Environmental Document: Initial Study

**Attachments:**

Attachment 1 – Project Description/Justification

Attachment 2 – Design Guideline Supplemental Form

Attachment 3 – Stadium Light Usage Schedule

Attachment 4 – Site Plan

Attachment 5 – Lighting Renderings

Attachment 6 – Illumination Summary

Attachment 7 – Existing Electrical Site Plan

Attachment 8 – Existing Bleacher Elevations



## **Jesuit High School of Sacramento**

**May 2021**

---

### **Project Description**

This proposal envisions the installation of a state-of-the-art field lighting system to allow for late afternoon and evening use of Jesuit High School's Allworth Financial Stadium.

This project would include four, 80-foot tall light poles installed at the 10 yard line on each side of the field. The light fixtures will utilize LED technology rather than metal halide fixtures that have been installed in area stadiums like Hornet Stadium at Sacramento State University (6000 J Street, Sacramento, CA – 5.4 miles from JHS) or El Camino High School (4300 El Camino Ave, Sacramento, CA – 2.1 miles from JHS.) This new technology only lights the field of play or practice significantly reducing light spillage and glare especially when compared to metal halide lamp fixtures. LED technology also permits light control allowing for different settings depending on use. Athletic practice lighting may be reduced to as much as half of the lighting typically required for scheduled competitions, for example.

### **Introduction**

Jesuit High School is governed by a Board of Trustees which serves as the fiduciary of JHS. It is sponsored by the California Province of the Society of Jesus, a Roman Catholic order of priests and religious. Jesuit High School was founded in 1963 and has served as an anchor for neighborhood development in the Carmichael / Old Foothills Farm region of Sacramento County.

Jesuit High School's enrollment over the past decade has ranged between 1,050 – 1,090 students who are supported by 130 faculty and staff. Students and faculty and staff are drawn from the entire Sacramento Metropolitan region.

### **Local Setting**

Jesuit High School is located at 1200 Jacob Lane in the Carmichael / Old Foothills Farms region of Sacramento County. The campus is nearly fifty-one acres and includes fifteen buildings, practice and playing fields, and parking spaces for 554 vehicles. Primary ingress/egress to JHS is at 1200 Jacob Lane (for academic or business related needs) and 4460 Fair Oaks Boulevard (for athletic, arts and pastoral events.)

Jesuit High School is bounded to the east by Jacob Lane; to the west by Piccadilly Circle; to the north by Fair Oaks Boulevard; and to the south by American River Drive. The only commercial

enterprise that shares a common boundary with JHS is Country Oaks Pet Hospital (4636 Fair Oaks Blvd, Sacramento, CA 95864.) All other common boundaries are shared with residential developments.

In this proposal, the area of campus impacted is found along American River Drive to the south, Jacob Lane neighbors to the east and Piccadilly Circle to the west. The primary facility impacted is the Allworth Financialk Stadium which was fully renovated in 2015. This eight acre site has been in continual use by Jesuit High School for athletic practice and competition since the late-1960s.

Additional consideration in this proposal addresses the practice fields adjacent to the stadium. It does not envision the installation of lighting for the baseball fields.

The project proposal has been developed by the JHS Board of Trustees after thorough engagement with the school community and serves as a response to four key challenges:

- The current pandemic has created serious health concerns regarding too many athletic activities occurring at the same time on our campus and other school campuses. Jesuit is taking action to mitigate this concern by spreading competitions and practices across more days and more times throughout the day. Adding permanent lighting to our field for both practices and competitions will allow Jesuit and the competing schools to minimize the number of students on the campus at any one time.
- Soccer season moved to winter months. A recent decision by the California Interscholastic Federation to move the high school soccer season from Fall play to the winter months. While this aligns all statewide soccer competition to the same season – in southern California soccer is already played in the winter months – the move to winter play in Northern California raises logistical issues related to field conditions as well limits to daylight practice and play.
- Heat. Growing life safety concerns for players and coaches as well as for spectators when playing, coaching or watching football games in the heat of the day. Jesuit High School typically plays home Junior Varsity and Varsity football games on Saturday afternoons.
- Public Address system use. Attempts to ameliorate sound impact of the stadium public address system is limited by the lack of light standards upon which to hang speakers so that sound may be oriented *down* to spectators and athletes. Presently, the stadium speakers are mounted above the scoreboard, approximately thirty-two feet above ground, and oriented to push sound horizontally across the field. While stadium PA protocols have limited the impact upon neighbors, the current placement is not optimal.



In JHS parlance, the area in question is “below the bluff.” With the exception of a maintenance building and a chilled water pump building, this part of campus is used by Jesuit’s student athletes for practice and play and by JHS visitors who come to support Jesuit’s and visiting schools’ student athletes. On this part of the JHS campus is found a swimming and water polo facility which includes lighting, two baseball fields and batting cages, practice fields, and the Allworth Financial Stadium.

Allworth Financial Stadium consists of a turf field sized to permit the play of football, soccer, lacrosse, and, if necessary, may also be used by JHS’ rugby program. An eight lane synthetic track surrounds the field perimeter. The home stands have a capacity of 1,500 and includes a 250 sf press box. The visitor stands have a capacity of 500. The stadium site includes a building with concession stand, restrooms, and a mechanical room for the pool as well as changing areas for swim and water polo student athletes. The Dreyer Family Plaza, located adjacent to the home stands, serves as a gathering space and includes a shade structure. The stadium also includes a freestanding scoreboard to the west and shot put and discus venues on the stadium’s perimeter. As part of the renovation, a drainage basin and swale was installed in the southwest corner of the stadium footprint. A small parking lot, accessed from American River Drive, is also a part of the stadium footprint.

Practice areas are found between American River Drive and the visitors’ stands and between the varsity baseball field and the stadium to the east. The Junior Varsity baseball field is also used as a practice area. It runs parallel to American River Drive with the stadium to the west and Jacob Lane to the east.

The entire campus is surrounded by perimeter fencing with supervised and limited access permitted when JHS staff and/or security is present. The Allworth Financial Stadium field and track is further secured by separate fencing. The stadium and practice fields are closed to the general public.

### **Current use of stadium and practice fields**

- Fall

JHS freshmen, junior varsity and varsity football teams. The freshmen football team typically plays during weekday afternoons. Junior varsity and varsity football teams play on Saturday afternoons. All squads practice after school, Monday – Friday. Practices begin in August and the varsity season may extend into December depending on playoff success.

The varsity football team plays a ten game regular season. No more than six of the ten games would be home games. A successful season includes playoff games and the number of homes games would vary depending upon team success.



JHS Junior Marauder football teams (4). The Junior Marauders play their home games on Saturday mornings and afternoons. The Junior Marauders practice after JHS football, Monday – Friday. After daylight savings time ends, the Junior Marauders use portable lighting to illuminate practice fields. The Junior Marauders typically play four home dates.

Parochial Athletic League flag football plays on Sundays, noon – 5 p.m. PAL flag football teams do not practice at Jesuit High School. PAL flag football has seven home dates scheduled in 2016.

- Winter

There is no practice or play using the stadium or practice fields until the beginning of Spring sports practices. Spring practices usually begin in February.

However, with the move of Soccer from Fall to Winter play, early darkness as well as inclement weather will move practice and play to the stadium field. JHS soccer teams now practice and play on an upper campus field that has no field illumination. In order to play a regulation time game on the upper field, start time will have to be advanced to no later than 3 p.m. and will require frequent early dismissal from classes. The varsity soccer team had thirteen home dates in 2015.

- Spring

JHS freshmen, junior varsity and varsity lacrosse in stadium. Practice begins in February and competition extends to May. The varsity lacrosse team had nine home dates in 2016.

Track and Field practice begins in February and competition extends to May. The varsity track and field team had four home dates in 2016.

Parochial Athletic League Track competes on Saturday and Sunday in late-April and May on as many as five consecutive weekends, Saturday and Sunday.

- Outside Groups

Jesuit High School athletic facilities' use by outside groups is strictly limited. Exceptions may be made when an outside group shares an affinity with Jesuit High School, like Rio Americano High School, or when a special event / opportunity presents itself, like that of the Optimist All-Star Football Game.

### **Project characteristics**

The proposed project will include the installation and use of field, bleacher, and pedestrian lighting for evening athletic events in Jesuit High School's Allworth Financial Stadium.



Additional lighting will be installed to permit practices after Daylight Savings Time ends and to eliminate the use of portable lights powered by diesel generators.

### **1. Allworth Financial Stadium**

The proposed field lighting system consists of enhancing the stadium by adding four 80-foot tall poles with differing fixture arrays. The two poles on the north side (home) of the field will have \_\_\_\_\_ fixtures.

The four poles will be situated symmetrically in a rectangular surrounding the playing field at approximately the 10-yard line. The fixtures at the top of each pole will utilize an innovative design where there are two cross arms mounted one behind the other, placing the fixtures at the same elevation. This will eliminate the problem of reflected light off of lower mounted fixtures and reduce night glare.

Building materials will consist of four, in-ground pre-cast concrete bases with 80-foot high galvanized steel standards (poles.) Each fixture will have spill and glare shielding. The installation of the pre-cast concrete bases involves excavation of four, 36-47-inch (diameter depending upon soil conditions) by 16-foot deep holes.

The chosen design uses the Techline system designed and manufactured by Techline.

### **2. Bleacher and Pedestrian Pathway Lighting**

Because of the minimal light spill from the field lighting, additional code compliant lighting will be added for the bleachers and pedestrian pathways for safe egress from the stadium at the end of an evening event.

### **Proposed Hanson McClain Stadium and Practice Field Uses and Accommodations**

The proposed stadium lighting would allow for an enhanced community atmosphere and student athlete experience by allowing evening football games. Stadium lighting would also allow Jesuit High School soccer to play its home games at reasonable hours without adversely impacting academic attendance.

Stadium and practice field lighting will solve the very real challenge of providing adequate field time for football and soccer practices at all levels, practices which are greatly impacted by the end of Daylight Savings Times and / or early sunset in the winter months.

While the times of games / matches may be changed, the number of games / matches played at Jesuit High School as well as the number of athletic practices at Jesuit High School will remain unchanged by the addition of lights. All JHS teams practice and play on campus except for JHS' cross country, tennis, and golf teams.



Recognizing the impact of outside, evening events upon nearby residents, Jesuit High School proposes the following limits:

- Weekend nights, typically Friday – twelve night games per year with lights fully extinguished by 10 p.m. to accommodate varsity football and soccer games.
- Weekday nights – practices for sports team that utilize the stadium and practice fields fully extinguished by 8 p.m.

The installation of stadium lighting would also allow JHS to begin the starting times for varsity games earlier. For example, a Friday night event might begin with a JV Football start of 4 p.m. and a Varsity football start at 6 p.m. This allows the school to encourage students already on campus to stay and would also end the evening event sooner than 10 p.m.

Jesuit High School also believes that Saturday afternoon football games could be scheduled, especially later in the season when the temperature is more moderate and concerns for student athlete and spectator safety is less of an issue as compared to play in August and September.

Recognizing the impact of the use of the stadium Public Address (PA) system upon nearby residents, Jesuit High School proposes the following:

- continued adherence to already developed PA protocols by stadium announcers,
- hanging stadium speakers upon the stadium light standards to better focus sound to stadium spectators and,
- eliminating the present speaker set up at the top of the stadium scoreboard.

### **Construction and Phasing**

Construction of the project is anticipated to be completed in one phase and take approximately four to six weeks. JHS anticipates that the project would be executed in the summer months, June and July. The equipment required would include a drill rig, boom truck, 100-foot crane, forklift, trencher, bobcat, dump truck, concrete trucks, and a concrete pumper truck.

### **Expert Analysis**

1. Lights
2. Traffic and Parking
3. Sound, PA and crowd
4. Security and crowd management (after game)

### **Alternatives**

There are no viable alternatives that adequately address Jesuit High School's concerns.





While Jesuit High School made its objections known to CIF about the move of the soccer season from Fall to Winter, the CIF made its decision. Jesuit High School must now determine how best to accommodate this decision so that its highly ranked soccer program may continue to achieve success. It is also impossible to calculate the negative consequences of doing so by regularly dismissing its student athletes from classes earlier than the 3:00 p.m. end of the academic day. The shorter days of late fall and winter also impact practice time without lights and there are concerns for student athlete safety (and success) if practices are truncated regularly, shortened because it is too dark to see or to play.

The playing surface of Allworth Financial Stadium is typically 20-30 degrees cooler than the ambient temperature during the hottest days of the year. However, the same cannot be said for the stands or concrete surfaces that are occupied by player families and fans. Jesuit High School’s home and visitor stands are “industry standard” and made of aluminum. They are uncomfortably hot, if not unsafe, for vulnerable attendees, the elderly and younger children.

Since 2009, only one September JHS football was played on a day that the National Weather Service did not classify as “clear and sunny.” Average temperature by 3<sup>rd</sup> quarter play was 86.3 degrees F. On the other hand, an 6:53 p.m. game time start in September would have averaged 80.4 degree F with the temperature dropping throughout the game. (See attached chart.)

**Temperature Survey – September Saturdays, 2009 - 2015**

Year	Month	Date	12:53 p.m.	1:53 p.m.	2:53 p.m.	3:53 p.m.	Weather	6:53 p.m.	7:53 p.m.
2009	Sept	5	no data	no data	no data	no data	no data	no data	no data
		12	71	73	81	82	Sunny	78	73
		19	84	87	88	89	Sunny	80	75
		26	94	96	97	99	Sunny	88	80
2010	Sept	4	86	89	92	93	Sunny	86	78
		11	84	86	88	90	Sunny	85	74
		18	79	79	79	78	Sunny	71	68
		25	87	90	94	94	Sunny	81	74
2011	Sept	3	84	89	91	94	Sunny	84	78
		10	87	92	90	89	Sunny	80	75
		17	79	82	83	86	Sunny	81	76
		24	79	82	78	80	Sunny	66	63
2012	Sept	1	68	74	77	78	Sunny	78	73
		8	83	85	87	87	Sunny	77	71
		15	no data	no data	89	92	Sunny	85	79
		22	86	88	91	91	Sunny	85	76
		29	81	87	89	91	Sunny	82	79



2013	Sept	7	91	94	96	97	Sunny	92	82
		14	78	82	84	84	Sunny	76	71
		21	62	61	61	61	Rain	61	60
		28	78	80	81	82	Sunny	74	74
2014	Sept	6	82	86	89	91	Sunny	86	80
		13	95	98	100	102	Sunny	93	85
		20	81	84	86	86	Sunny	78	75
		27	73	76	77	79	Sunny	75	70
2015	Sept	5	80	83	86	85	Sunny	80	75
		12	82	82	80	79	Sunny	81	77
		19	86	90	93	94	Sunny	84	76
		26	90	92	95	94	Sunny	84	79
Average			81.8	84.5	86.3	86.9		80.4	74.9
			/14	/14	/14	/14		/28	/28

Source: timeanddate.com

Past weather in Sacramento, California, USA

# SACRAMENTO COUNTY-DESIGN GUIDELINES SUPPLEMENTAL FORM

## 5.0 OFFICE, BUSINESS PARK, INSTITUTIONAL AND INDUSTRIAL DEVELOPMENT DESIGN GUIDELINES PAGES 5-1 THROUGH 5-38



PLNP2021-00262

**Instructions:** Read the Sacramento Countywide Design Guidelines and describe how the proposed project complies with Section 5.0: Office, Business Park, Institutional, and Industrial Development Design Guidelines. If needed, you may attach additional pages. In addition, please see checklists for special standards and Active Design for additional guidelines. (Appendices B and D of the Countywide Design Guidelines)

RECEIVED  
09/22/2021  
PLANNING DIVISION  
County of Sacramento

5.0 Office, Business Park, Institutional, and Industrial Development Design Guidelines (Pages 5-1 Through 5-38)	Describe How the Project Meets The Guidelines:
<p><b>5.1 Understanding Context:</b> Describe how the site connections, building alignments, streetscape and landscape design, roadway and parking lot design, architectural context and signage reflect the needs of the tenants and the quality and design of the district. (Pages 5-2)</p>	<p>The proposed work under this application does not modify this aspect. The lighting increases safe use of the facility by allowing more available game times and reducing risk of heat to student athletes.</p>
<p><b>5.2 Employment District Design:</b> Describe how the project provides for good pedestrian connection to public transit and public realm circulation networks and how the use of landscaping features provide cohesion and continuity through various districts. (Page 5-3 through 5-10)</p> <ul style="list-style-type: none"> <li>• Employment district design objectives</li> <li>• Roadway design and streetscape</li> <li>• Parking and loading areas</li> <li>• Building setbacks and alignments</li> <li>• Integrated transit</li> </ul>	<p>The proposed work under this application does not modify this aspect. The lighting increases safe use of the facility by allowing more available game times and reducing risk of heat to student athletes.</p>
<p><b>5.3 Landscaping/ Site Elements:</b> Describe how on-site landscaping increases the walkability, pedestrian safety, access, and health and comfort for pedestrians. What is provided to reduce heat gain, water consumption and pollution/ flooding from stormwater runoff? (Pages 5-11 through 5-14)</p>	<p>The proposed work under this application does not modify this aspect. The lighting increases safe use of the facility by allowing more available game times and reducing risk of heat to student athletes.</p>
<p><b>5.4 Employment District Architectural Design Principles and Guidelines:</b> How does the project reflect both tenants' business needs and contribution to the design objectives for the district? (Pages 5-15 through 5-34)</p> <ul style="list-style-type: none"> <li>• Building form and massing</li> <li>• Architectural design and features</li> <li>• Materials and colors</li> <li>• Lighting</li> <li>• Screen walls and security fences</li> <li>• Service areas</li> </ul>	<p>The proposed work under this application does not modify this aspect. The lighting increases safe use of the facility by allowing more available game times and reducing risk of heat to student athletes.</p>

# SACRAMENTO COUNTY-DESIGN GUIDELINES SUPPLEMENTAL FORM

## 5.0 OFFICE, BUSINESS PARK, INSTITUTIONAL AND INDUSTRIAL DEVELOPMENT DESIGN GUIDELINES PAGES 5-1 THROUGH 5-38



**5.5 Employment District Signage:** Describe how the signage for the project is designed to comprehensively enhance the identity of the district. (Pages 5-35 through 5-38)

- District signage
- Multi-tenant buildings
- Single-tenant buildings
- Temporary signage

The proposed work under this application does not modify or add signage.

**5.6 Operational Elements:** Discuss if the use of a building or operation characteristics of the use influences the site design. What are the business hours, what types of security lighting is needed, is access to transit or bicycling and pedestrian access incorporated into the design? (Page 5-38, refers back to Section 4.6)

The proposed work under this application does not modify this aspect. The lighting increases safe use of the facility by allowing more available game times and reducing risk of heat to student athletes. Any games under the lights will be no later than 10:00PM.

# SACRAMENTO COUNTY-DESIGN GUIDELINES SUPPLEMENTAL FORM

## APPENDIX B: SPECIAL STANDARDS

## APPENDIX D: ACTIVE DESIGN FOR A HEALTHY SACRAMENTO COUNTY



Appendix B: Special Standards (Pages B-1 through B-5)	Describe How the Project Meets The Guidelines:
<b>B.3 Universal Design:</b> Describe how universal design is incorporated into the project. (Page B-2)	The increased lighting enhances access by disabled persons in low light setting. Further, the lighting enhances response to COVID spread by allowing events to take place in more timeslots through the day.
<b>B.4 Stormwater Quality Design Principles:</b> Describe how stormwater quality control is designed into the project. (Page B-2)	No Stormwater changes/impact.
<b>B.5 Crime Prevention through Environmental Design:</b> Discuss the CPTED strategies used in the project. (Pages B-3 through B-4)	Lighting enhances crime prevention.
<b>B.6 Sample HOA Conditions:</b> Discuss any provisions of an HOA if one is required. (Pages B-4 through B-5)	None

Appendix D: Active Design for a Healthy Sacramento County (Pages D-1 through D-22)	Describe How the Project Meets The Guidelines:
<b>Active Design Strategies:</b> Discuss how the project incorporates: <ul style="list-style-type: none"><li>• Compact/ mixed use design (Pages D-6 through D-7)</li><li>• Connectivity (Pages D-8 through D-12)</li><li>• Site design (Pages D-13 through D-16)</li><li>• Street design (Pages D-16 through D-22)</li></ul>	The addition of lighting allows greater use of the stadium and field for sports reducing obesity and enhancing social interaction of students. Further, sports at night give the school more time for scheduling events, hence reducing the risk of COVID spread. The added lighting will be very high efficiency LED and very narrow light cutoff levels to avoid exposure to neighbors or the atmosphere.

Event	Time	Days	Months	Lights	Crowd	Size Estimate	Sound	Predicted Lights Off
Games - Football Playoffs	7-10	F (Up to 3)	Nov	Full	Yes	2000-3000	Yes	11:00 PM
Games - Football	5-10	F (4-5)	Aug-Oct	Full	Yes	1000-3000	Yes	11:00 PM
Meet - Track	3-8	Rarely	Mar-Apr	Full	Yes	1000-2000	Yes	9:00 PM
Games - Soccer Playoffs	5-7	TBD	Feb	Full	Yes	500-2000	Yes	8:00 PM
Games - Lacrosse Playoffs	7-9	TBD	May	Full	Yes	200-1000	Yes	10:00 PM
Games - Soccer	3-7	Tu, Th	Dec-Feb	Full	Yes	100-500	No	8:00 PM
Games - Lacrosse	5-9	TBD	Mar-Apr	Full	Yes	100-500	Yes	10:00 PM
Practice - Football	4-7	M-Th	Aug-Nov	Half	No	N/A	No	8:00 PM
Practice - Soccer	4-7	M-F	Nov - Feb	Half	No	N/A	No	8:00 PM
Practice - Track/Lacrosse	4-8	M-F	Feb-Apr	Half/Full	No	N/A	No	9:00 PM
Baccalaureate/Graduation	5-8	F-S	June (one-time event)	Full	Yes	2000	Yes	8:30 PM

### Overall Analysis

By moving these events to the evening, the neighborhood will experience less traffic and parking congestion during the middle of the day when other sports are practicing and playing. For the same reason, risk of COVID and other infectious diseases will be reduced by reducing lockerroom congestion from the overlapping day events. The above outline of stadium events shows that there are no new events slated for the stadium other than Baccalaureate Mass/Graduation which successfully took place in May 2020 with exceptional execution that kept light, sound and traffic concerns to a minimum.

### Practices

Practices will not have any impact on sound, crowd or traffic. Having lights will allow for practice flexibility and safety. Football will practice later in the day to start the year to get out of the heat. Lacrosse and Track will be able to stagger practice to prevent them from practicing at the same time. It is unsafe for lacrosse to practice with anyone else in the stadium.

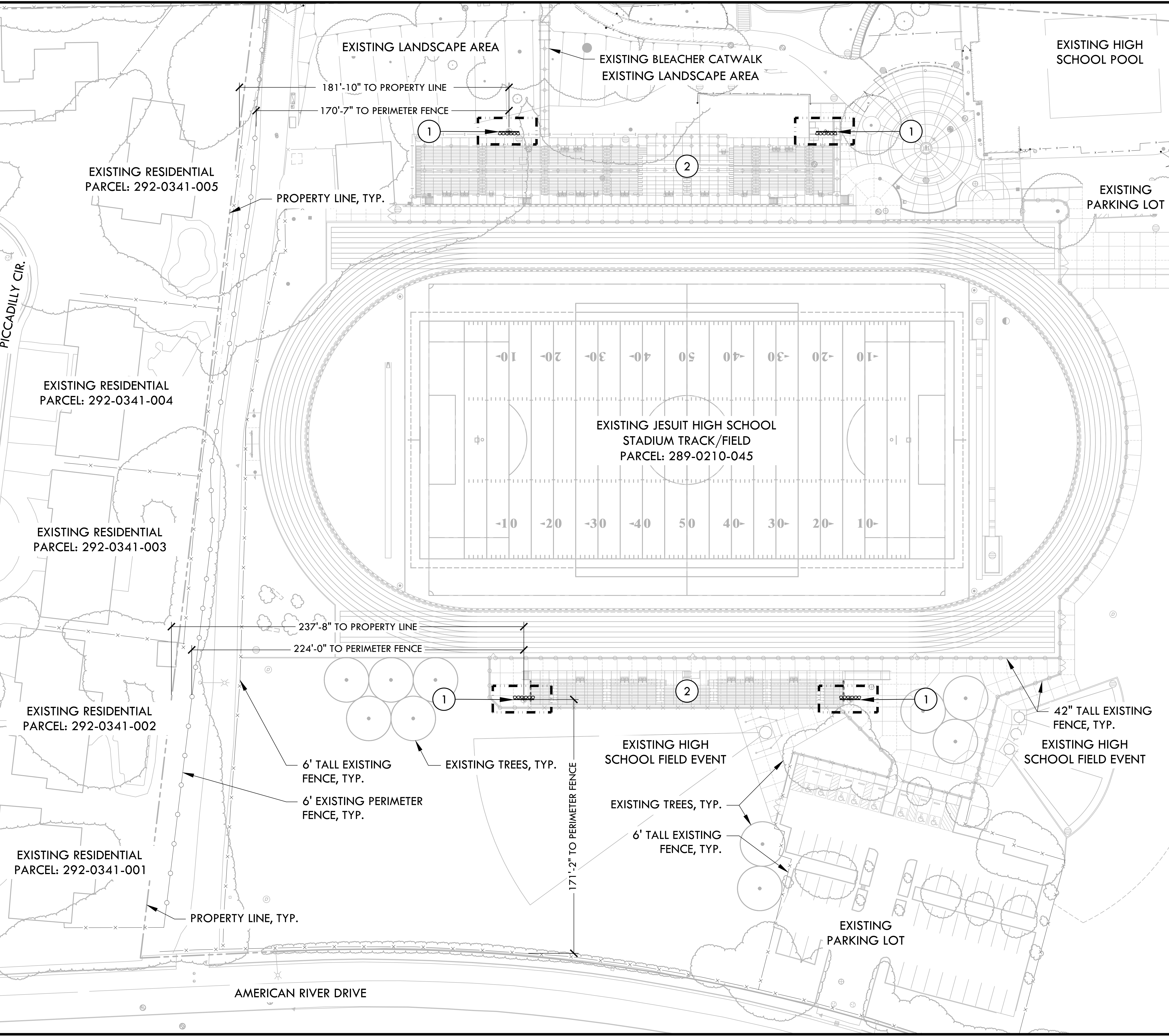
### Games/Track Meet

Games/Track Meet will operate as they currently do in terms of lights and sound. Crowds may increase for certain events. For certain events a crowd increase will have minimal effect on traffic. The events that will have a true traffic impact are football games and playoff games. Impact may however be minimal since these events are moving from Saturdays when there are multiple other events that are on campus simultaneously. Having these on Friday nights will allow for singular events to reduce the traffic impact. Sound impact just moves from Saturday 11am-4pm to Friday 5-10pm (roughly).

### Baccalaureate/Graduation

These are one-time events that have significant planning and preparation including strict parking enforcement, law enforcement support, and other logistical controls in place. All guests on campus are family of graduates and are directed well in advance on visitor guidelines to campus to ensure minimal impact on the surrounding neighborhood.

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER, WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



**SITE PLAN LEGEND**

- PROJECT LIMIT OF WORK
- ① PROPOSED MUSCO LIGHTING POLE. REFER SHEETS M1.1 THROUGH M1.10 FOR ADDITIONAL INFORMATION.
- ② EXISTING BLEACHERS. REFER TO SHEETS B1.1 AND B1.2 FOR ADDITIONAL INFORMATION.

NOTES:  
 1. ALL EXISTING TREES ARE TO REMAIN AND BE PROTECTED. NO CONSTRUCTION WILL TAKE PLACE NEAR EXISTING TREE DRIPLINE.  
 2. THE PROPOSED STADIUM LIGHTS WILL USE EXISTING UNDERGROUND INFRASTRUCTURE. NO NEW TRENCHING OR UTILITY MODIFICATIONS WILL BE REQUIRED.

- SERVICE PROVIDERS**
- WATER DISTRICT  
SACRAMENTO SUBURBAN WATER DISTRICT  
(916) 972-7171
  - LOCAL SEWER DISTRICT  
SACRAMENTO AREA SEWER DISTRICT  
(916) 876-7526
  - REGIONAL SEWER DISTRICT  
SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT  
(916) 876-6104
  - STORMWATER UTILITY DISTRICT  
SACRAMENTO COUNTY WATER RESOURCES  
(916) 875-4311
  - REFUSE DISTRICT  
SACRAMENTO COUNTY WASTE MANAGEMENT AND RECYCLING  
(866) 844-1508
  - FIRE DISTRICT  
SACRAMENTO METROPOLITAN FIRE  
(916) 859-4300
  - PARK DISTRICT  
MISSION OAKS RECREATION AND PARK DISTRICT  
(916) 488-2810
  - SCHOOL DISTRICT  
SAN JUAN UNIFIED SCHOOL DISTRICT  
(916) 971-7700

**VERDE DESIGN**  
 LANDSCAPE ARCHITECTURE  
 CIVIL ENGINEERING  
 SPORT PLANNING & DESIGN  
 1843 Iron Point Rd. Suite 140  
 Folsom, CA 95630  
 Tel: 916.415.6554  
 Fax: 916.415.6525  
 www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE  
**SITE PLAN**

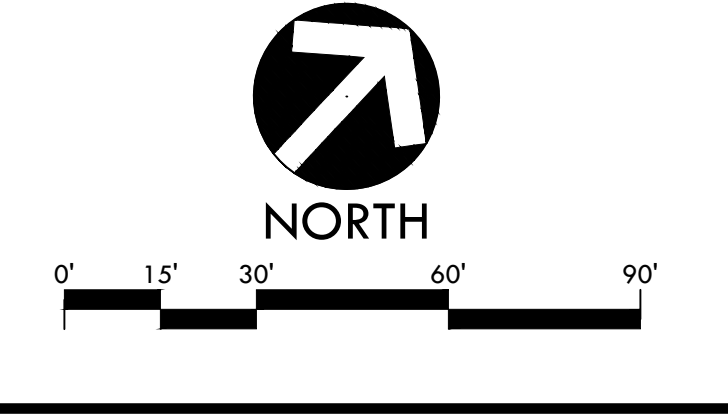
PROJECT NAME  
**JESUIT HIGH SCHOOL  
 STADIUM LIGHT  
 IMPROVEMENTS**

PROJECT ADDRESS  
**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

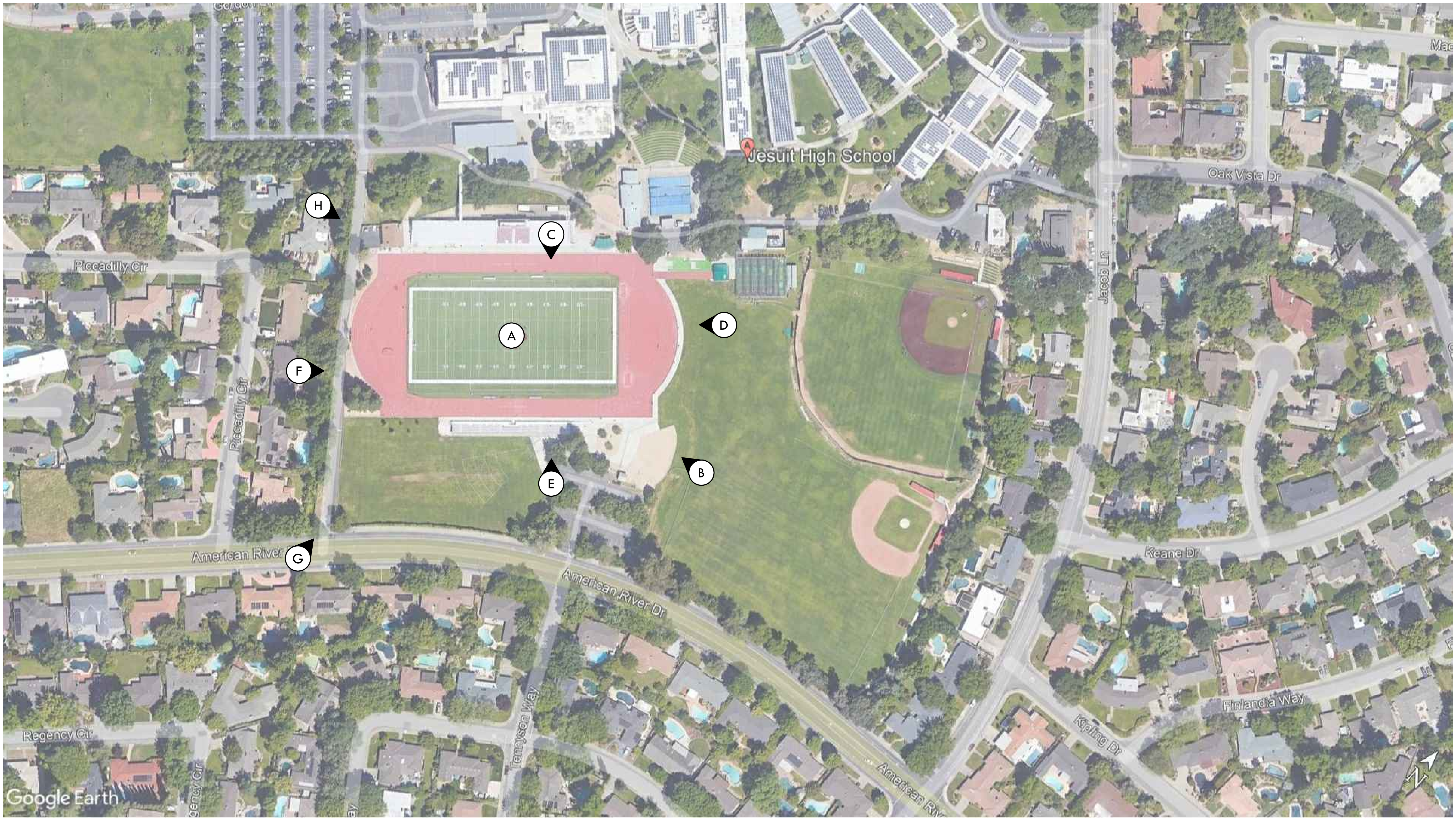
SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE

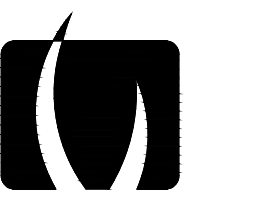
DRAWN BY JC	CHECKED BY CS
DATE ISSUED 02/04/2022	SCALE 1" = 30'-0"
PROJ. NO. 1612100	
SHEET NO. L1.1	OF SHEETS



ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER, WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



PERSPECTIVE SITE MAP



**VERDE DESIGN**  
 LANDSCAPE ARCHITECTURE  
 CIVIL ENGINEERING  
 SPORT PLANNING & DESIGN  
 1843 Iron Point Rd, Suite 140  
 Folsom, CA 95630  
 Tel: 916.415.6554  
 Fax: 916.415.6525  
 www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**PERSPECTIVE  
 SITE MAP**

PROJECT NAME

**JESUIT HIGH SCHOOL  
 STADIUM LIGHT  
 IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE
△		
△		
△		
△		
△		
△		

DRAWN BY <b>VERDE</b>	CHECKED BY <b>CS</b>
DATE ISSUED <b>02/04/2022</b>	SCALE <b>AS NOTED</b>
PROJ. NO. <b>1612100</b>	
SHEET NO. <b>M1.12</b> OF SHEETS	



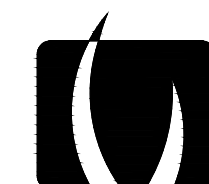
ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



(A) TOP VIEW



(B) ANGLE AERIAL PERSPECTIVE



**VERDE DESIGN**  
 LANDSCAPE ARCHITECTURE  
 CIVIL ENGINEERING  
 SPORT PLANNING & DESIGN  
 1843 Iron Point Rd, Suite 140  
 Folsom, CA 95630  
 Tel: 916.415.6554  
 Fax: 916.415.6525  
 www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**STADIUM LIGHTING  
 RENDER**

PROJECT NAME

**JESUIT HIGH SCHOOL  
 STADIUM LIGHT  
 IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

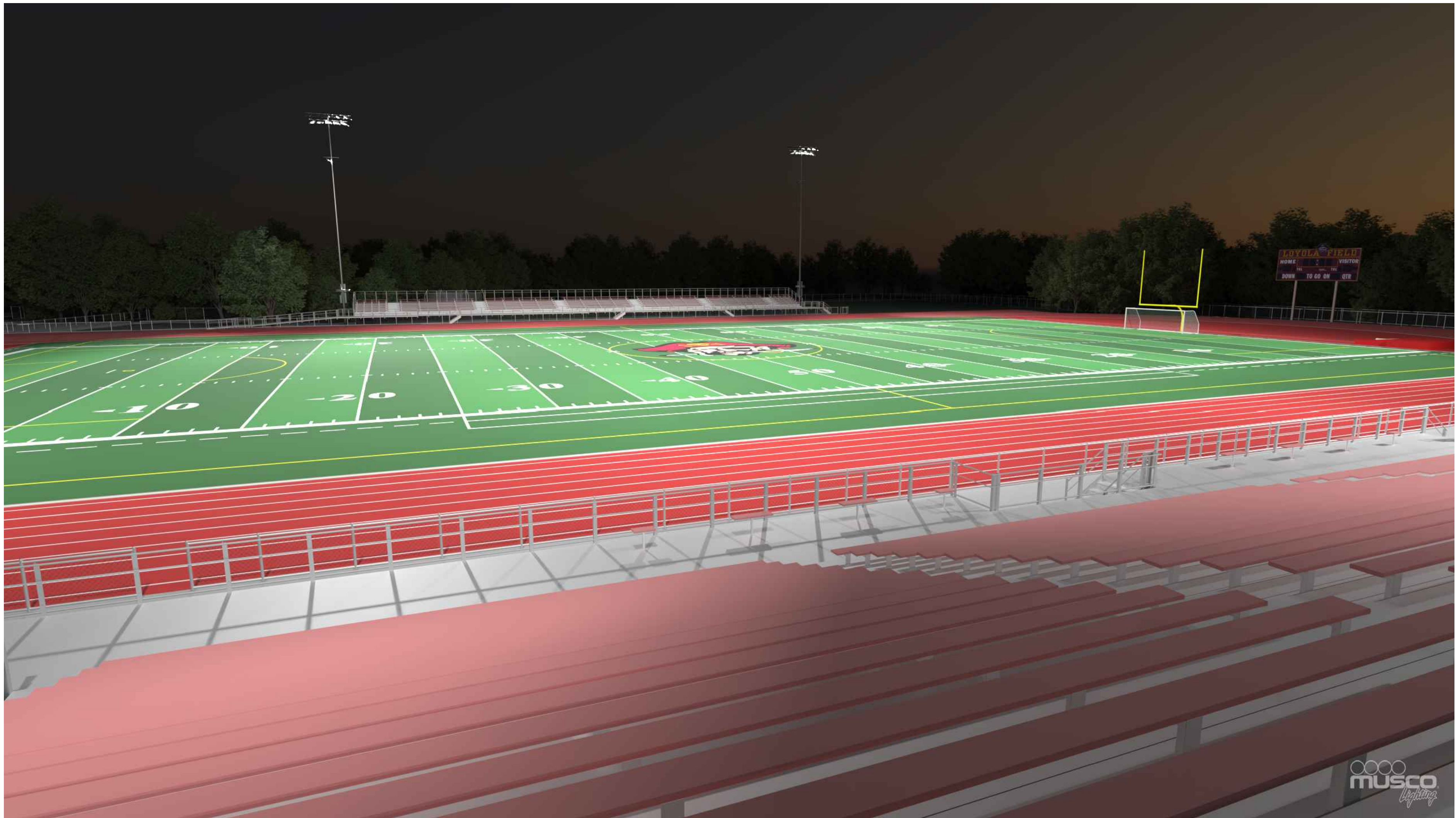
NO.	REVISIONS	DATE
△		
△		
△		
△		
△		
△		

DRAWN BY <b>MUSCO</b>	CHECKED BY <b>CS</b>
DATE ISSUED <b>02/04/2022</b>	SCALE <b>AS NOTED</b>
PROJ. NO. <b>1612100</b>	

SHEET NO.  
**M1.8** OF SHEETS

**STADIUM LIGHTING RENDER**

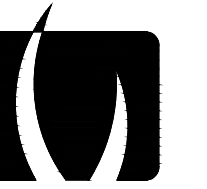
ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER, WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



(C) VIEW FROM BLEACHERS



(D) VIEW FROM SCHOOL TOWARDS STADIUM (FROM BASEBALL FIELD)



**VERDE DESIGN**  
 LANDSCAPE ARCHITECTURE  
 CIVIL ENGINEERING  
 SPORT PLANNING & DESIGN  
 1843 Iron Point Rd, Suite 140  
 Folsom, CA 95630  
 Tel: 916.415.6554  
 Fax: 916.415.6525  
 www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**STADIUM LIGHTING  
 RENDER**

PROJECT NAME

**JESUIT HIGH SCHOOL  
 STADIUM LIGHT  
 IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE
△		
△		
△		
△		
△		
△		

DRAWN BY <b>MUSCO</b>	CHECKED BY <b>CS</b>
DATE ISSUED <b>02/04/2022</b>	SCALE <b>AS NOTED</b>
PROJ. NO. <b>1612100</b>	
SHEET NO. <b>M1.9</b>	

STADIUM LIGHTING RENDER

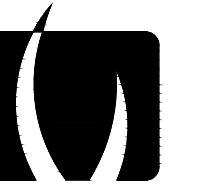
ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



(E) VIEW FROM SCHOOL TOWARDS STADIUM



(F) VIEW FROM ADJACENT PROPERTIES TOWARD STADIUM - 1



**VERDE DESIGN**  
 LANDSCAPE ARCHITECTURE  
 CIVIL ENGINEERING  
 SPORT PLANNING & DESIGN  
 1843 Iron Point Rd, Suite 140  
 Folsom, CA 95630  
 Tel: 916.415.6554  
 Fax: 916.415.6525  
 www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**STADIUM LIGHTING  
 RENDER**

PROJECT NAME

**JESUIT HIGH SCHOOL  
 STADIUM LIGHT  
 IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE
△		
△		
△		
△		
△		
△		

DRAWN BY <b>MUSCO</b>	CHECKED BY <b>CS</b>
--------------------------	-------------------------

DATE ISSUED <b>02/04/2022</b>	SCALE <b>AS NOTED</b>
----------------------------------	--------------------------

PROJ. NO. <b>1612100</b>
-----------------------------

SHEET NO. <b>M1.10</b>	OF <b> </b>	SHEETS <b> </b>
---------------------------	----------------	--------------------

**STADIUM LIGHTING RENDER**

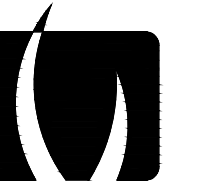
ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER, WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



(G) VIEW FROM ADJACENT PROPERTIES TOWARD STADIUM - 2



(H) VIEW FROM ADJACENT PROPERTIES TOWARD STADIUM - 3



**VERDE DESIGN**  
 LANDSCAPE ARCHITECTURE  
 CIVIL ENGINEERING  
 SPORT PLANNING & DESIGN  
 1843 Iron Point Rd, Suite 140  
 Folsom, CA 95630  
 tel: 916.415.6554  
 fax: 916.415.6525  
 www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**STADIUM LIGHTING  
 RENDER**

PROJECT NAME

**JESUIT HIGH SCHOOL  
 STADIUM LIGHT  
 IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE
△		
△		
△		
△		
△		
△		

DRAWN BY <b>MUSCO</b>	CHECKED BY <b>CS</b>
--------------------------	-------------------------

DATE ISSUED <b>02/04/2022</b>	SCALE <b>AS NOTED</b>
----------------------------------	--------------------------

PROJ. NO. <b>1612100</b>
-----------------------------

SHEET NO. <b>M1.11</b>	OF <b> </b>	SHEETS <b> </b>
---------------------------	----------------	--------------------

**STADIUM LIGHTING RENDER**

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.

### Jesuit High School Football

Carmichael, CA

#### Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mq Height	Fixture Qty	Luminaire Type	Load	Circuit
F1	100'	100'	2	TLC-LED-1200	2.34 kW	A
		100'	10	TLC-LED-900	8.90 kW	A
		70'	2	TLC-LED-400	1.16 kW	B
F2	100'	30'	2	TLC-BT-575	1.15 kW	A
		100'	2	TLC-LED-400	0.80 kW	B
		100'	1	TLC-LED-1200	1.17 kW	B
		100'	2	TLC-LED-1200	2.34 kW	A
		70'	2	TLC-LED-400	1.16 kW	B
F3	90'	30'	2	TLC-BT-575	1.15 kW	A
		100'	2	TLC-LED-400	0.80 kW	B
		90'	1	TLC-LED-1200	1.17 kW	B
		90'	5	TLC-LED-1200	5.85 kW	A
		90'	6	TLC-LED-900	5.34 kW	A
F4	90'	15'	2	TLC-BT-575	1.15 kW	A
		90'	5	TLC-LED-1200	5.85 kW	A
		90'	6	TLC-LED-900	5.34 kW	A
		70'	1	TLC-LED-400	0.40 kW	B
		15'	2	TLC-BT-575	1.15 kW	A
<b>4</b>			<b>66</b>		<b>58.92 kW</b>	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Football	49.46 kW	54
B	Egress	7.06 kW	12

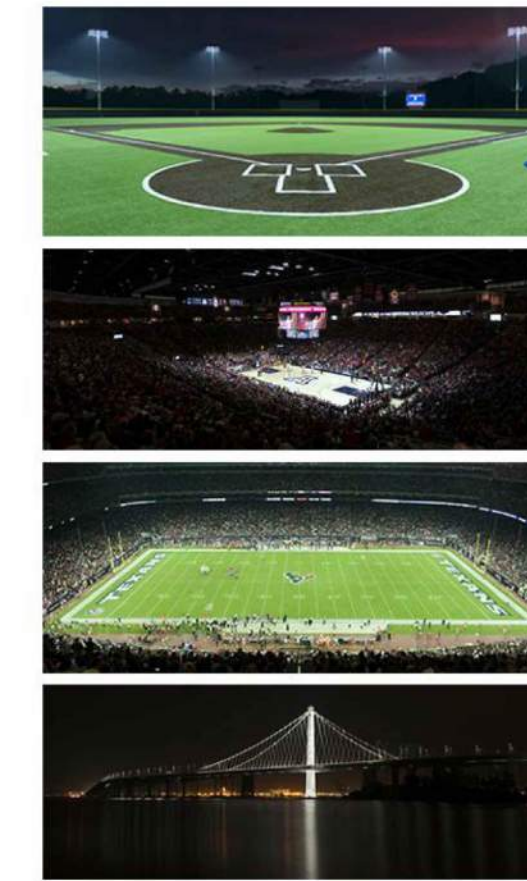
Fixture Type Summary							
Type	Source	Wattage	Lumens	L80	L90	L70	Quantity
TLC-LED-900	LED 5700K - 75 CRI	890W	89,000	>120,000	>120,000	>120,000	32
TLC-LED-400	LED 5700K - 75 CRI	580W	65,000	>120,000	>120,000	>120,000	4
TLC-LED-400	LED 5700K - 75 CRI	400W	46,500	>120,000	>120,000	>120,000	6
TLC-LED-1200	LED 5700K - 75 CRI	1170W	138,000	>120,000	>120,000	>120,000	16
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	8

#### Light Level Summary

Calculation Grid Summary							
Grid Name	Calculation Metric	Avg	Min	Max	Avg/Min	Circuits	Fixture Qty
Track	Horizontal Illuminance	16.4	0.30	44.1	156.29	A, C	54

ENGINEERED DESIGN By: Bryce Miles - File #162585K - 07-Dec-21

#### From Hometown to Professional



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981-2021 Musco Sports Lighting, LLC.

#### PROJECT SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN										
QTY	LOCATION	SIZE	GRADE ELEVATION	HEIGHT	SPACING	LUMINAIRE TYPE	WATTAGE	LUMENS	GRID	NOTES
1	F1	100'	0'	100'	30'	TLC-LED-1200	2.34	23400	2	0
						TLC-LED-400	1.16	11600	2	0
						TLC-BT-575	1.15	11500	2	0
1	F2	100'	0'	100'	30'	TLC-LED-1200	2.34	23400	2	0
						TLC-LED-400	1.16	11600	2	0
						TLC-BT-575	1.15	11500	2	0
1	F3	90'	0'	90'	30'	TLC-LED-1200	1.17	11700	1	0
						TLC-LED-900	5.34	53400	6	0
						TLC-BT-575	1.15	11500	2	0
1	F4	90'	0'	90'	30'	TLC-LED-1200	1.17	11700	1	0
						TLC-LED-900	5.34	53400	6	0
						TLC-BT-575	1.15	11500	2	0
4	TOTAL								66	54



SCALE IN FEET 1 : 80

ENGINEERED DESIGN By: Bryce Miles - File #162585K - 07-Dec-21

### Jesuit High School Football

Carmichael, CA

GRID SUMMARY	
Name:	Track
Size:	Irrregular
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	16.4
Maximum:	44.1
Minimum:	0.3
Avg / Min:	58.16
Max / Min:	156.29
UG (adjacent pts):	0.00
CU:	0.14
No. of Points:	51

LUMINAIRE INFORMATION	
Applied Circuits:	A, C
No. of Luminaires:	54
Total Load:	49.46 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.

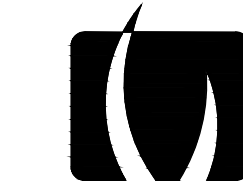
**Electrical System Requirements:** Refer to Arrangement Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume a 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. ©1981-2021 Musco Sports Lighting, LLC.

#### ILLUMINATION SUMMARY



**VERDE DESIGN**  
 LANDSCAPE ARCHITECTURE  
 CIVIL ENGINEERING  
 SPORT PLANNING & DESIGN  
 1843 Iron Point Rd. Suite 140  
 Folsom, CA 95630  
 Tel: 916.415.6554  
 Fax: 916.415.6525  
 www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**PROJECT SUMMARY AND ILLUMINATION SUMMARY**

PROJECT NAME

**JESUIT HIGH SCHOOL STADIUM LIGHT IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

SUBMITTAL DATE

100% SUBMITTAL 02/04/22

NO. REVISIONS DATE

DRAWN BY CHECKED BY

MUSCO CS

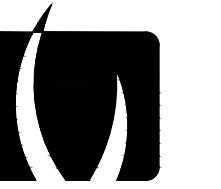
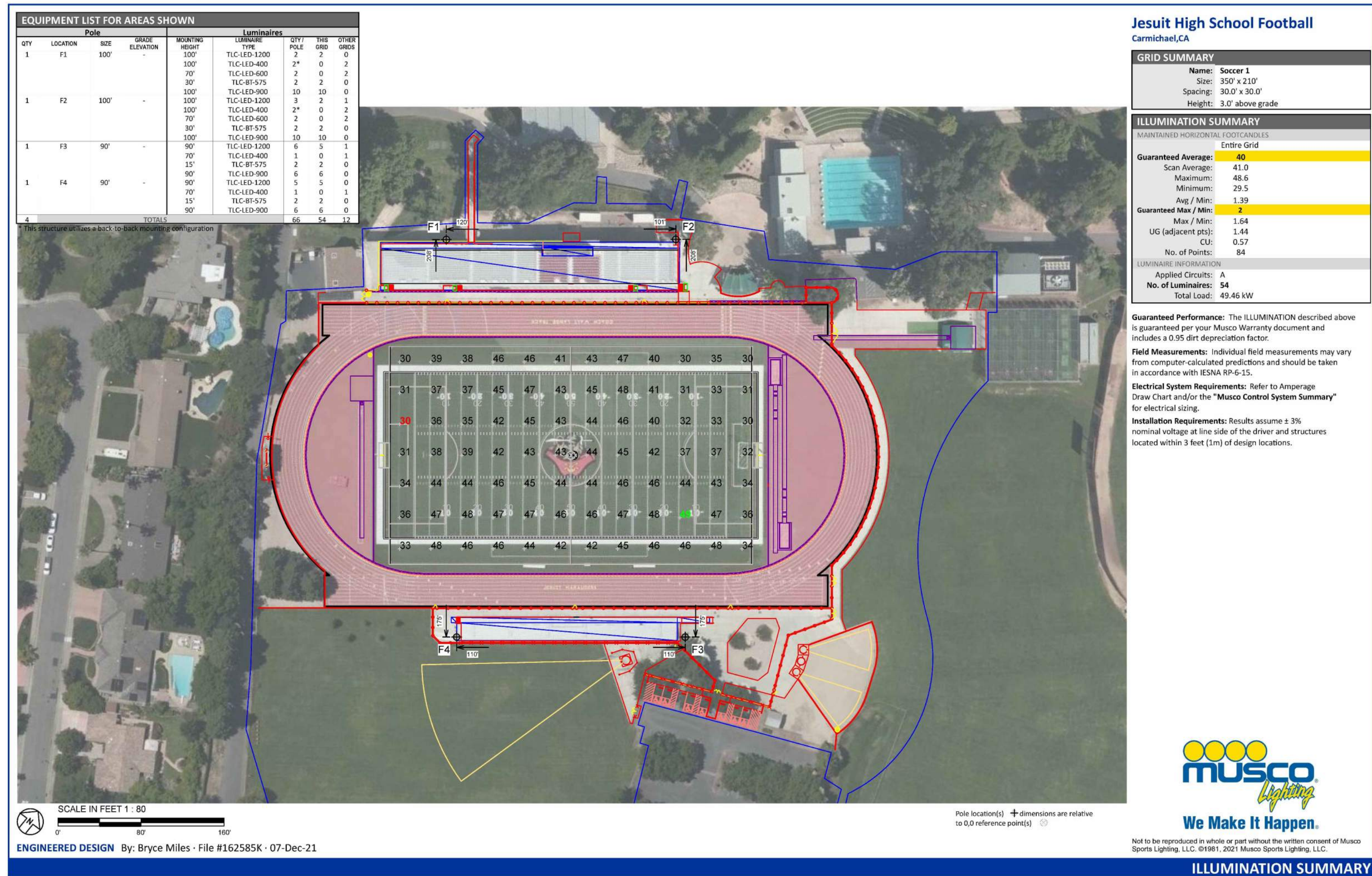
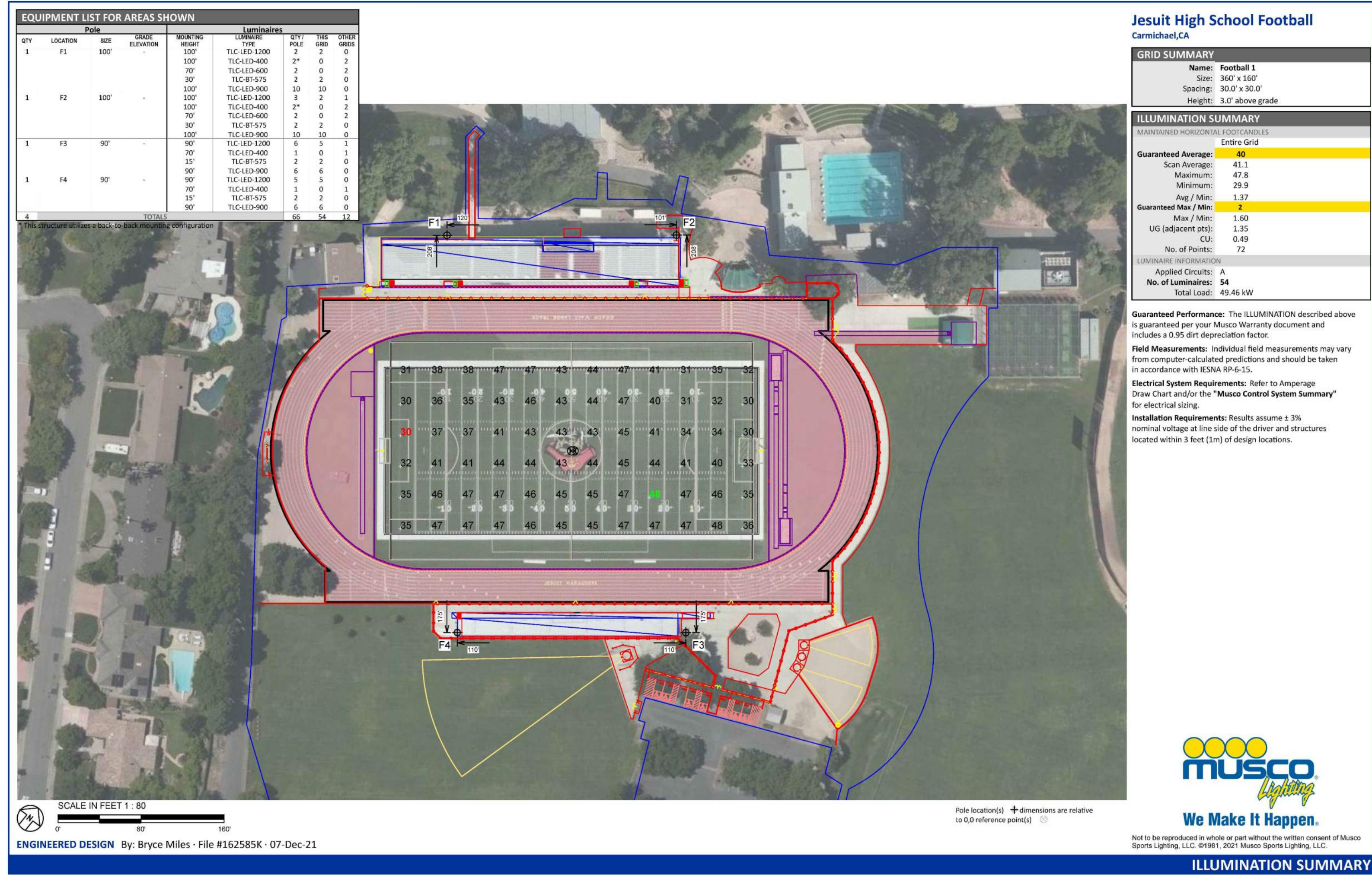
DATE ISSUED SCALE

02/04/2022 AS NOTED

PROJ. NO. 1612100

SHEET NO. M1.1 OF SHEETS

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



**VERDE DESIGN**  
LANDSCAPE ARCHITECTURE  
CIVIL ENGINEERING  
SPORT PLANNING & DESIGN  
1843 Iron Point Rd. Suite 140  
Folsom, CA 95630  
Tel: 916.415.6554  
Fax: 916.415.6525  
www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

ILLUMINATION SUMMARY

PROJECT NAME

JESUIT HIGH SCHOOL  
STADIUM LIGHT  
IMPROVEMENTS

PROJECT ADDRESS

1200 JACOB LN.  
CARMICHAEL, CA  
95608

SUBMITTAL

100% SUBMITTAL

DATE

02/04/22

NO.

REVISIONS

DATE

DRAWN BY

MUSCO

CHECKED BY

CS

DATE ISSUED

02/04/2022

SCALE

AS NOTED

PROJ. NO.

1612100

SHEET NO.

M1.2

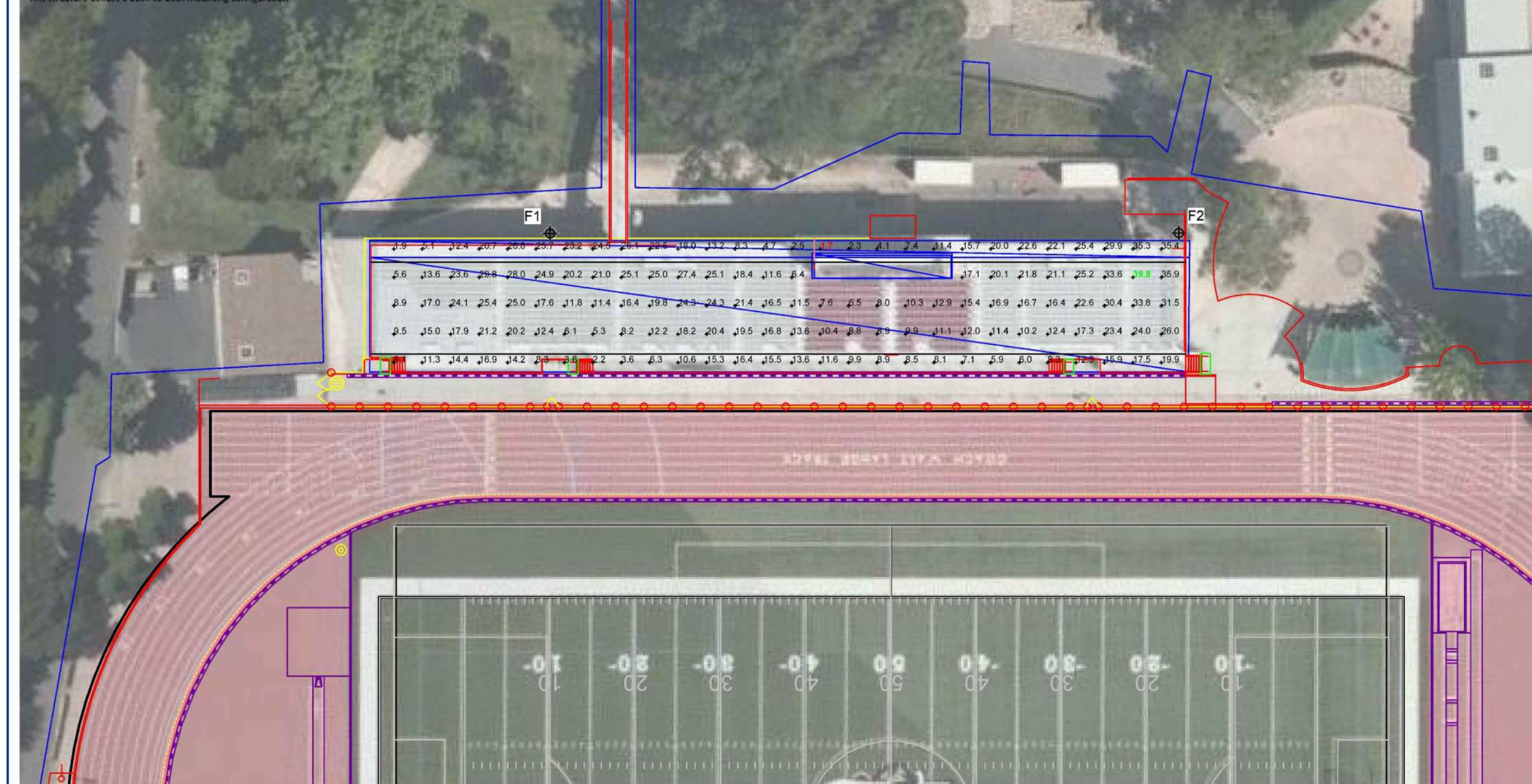
OF SHEETS

ILLUMINATION SUMMARY

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER, WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.

EQUIPMENT LIST FOR AREAS SHOWN									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	HEIGHT	LUMINAIRE TYPE	POLE	NO. OF	TYPE	OTHER
1	F1	100'	-	100'	TLC-LED-1200	2"	2	0	2
				100'	TLC-LED-400	2"	2	0	0
				70'	TLC-LED-600	2"	2	0	0
				30'	TLC-BF-575	2"	2	0	2
1	F2	100'	-	100'	TLC-LED-1200	10"	0	10	10
				100'	TLC-LED-400	2"	2	0	2
				70'	TLC-LED-600	2"	2	0	0
				30'	TLC-BF-575	2"	2	0	2
1	F3	90'	-	90'	TLC-LED-1200	6"	1	5	5
				70'	TLC-LED-400	1"	1	0	0
				15'	TLC-BF-575	2"	0	2	2
				90'	TLC-LED-900	6"	0	6	6
1	F4	90'	-	90'	TLC-LED-1200	5"	0	5	5
				70'	TLC-LED-400	1"	1	0	0
				15'	TLC-BF-575	2"	0	2	2
				90'	TLC-LED-900	6"	0	6	6
4	TOTAL					66	12	54	

This structure utilizes a back-to-back mounting configuration.



SCALE IN FEET 1 : 40  
ENGINEERED DESIGN By: Bryce Miles - File #162585K - 07-Dec-21

### Jesuit High School Football Carmichael, CA

GRID SUMMARY	
Name:	Home Bleachers
Spacing:	100' x 100'
Height:	6.4' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	16.3
Maximum:	39.8
Minimum:	1.7
Avg / Min:	9.36
Max / Min:	23.88
UG (adjacent pts):	0.00
CU:	0.27
No. of Points:	135

LUMINAIRE INFORMATION	
Applied Circuits:	0
No. of Luminaires:	12
Total Load:	7.06 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.



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981-2021 Musco Sports Lighting, LLC.

#### ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	HEIGHT	LUMINAIRE TYPE	POLE	NO. OF	TYPE	OTHER
1	F1	100'	-	100'	TLC-LED-1200	2"	0	2	0
				100'	TLC-LED-400	2"	2	0	0
				70'	TLC-LED-600	2"	2	0	0
				30'	TLC-BF-575	2"	2	0	2
1	F2	100'	-	100'	TLC-LED-1200	10"	0	10	10
				100'	TLC-LED-400	2"	2	0	2
				70'	TLC-LED-600	2"	2	0	0
				30'	TLC-BF-575	2"	2	0	2
1	F3	90'	-	90'	TLC-LED-1200	6"	1	5	5
				70'	TLC-LED-400	1"	1	0	0
				15'	TLC-BF-575	2"	0	2	2
				90'	TLC-LED-900	6"	0	6	6
1	F4	90'	-	90'	TLC-LED-1200	5"	0	5	5
				70'	TLC-LED-400	1"	1	0	0
				15'	TLC-BF-575	2"	0	2	2
				90'	TLC-LED-900	6"	0	6	6
4	TOTAL					66	12	54	

This structure utilizes a back-to-back mounting configuration.



SCALE IN FEET 1 : 40  
ENGINEERED DESIGN By: Bryce Miles - File #162585K - 07-Dec-21

### Jesuit High School Football Carmichael, CA

GRID SUMMARY	
Name:	Away Bleachers
Spacing:	100' x 100'
Height:	3.2' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	7.4
Maximum:	11.8
Minimum:	0.4
Avg / Min:	16.80
Max / Min:	26.72
UG (adjacent pts):	0.00
CU:	0.06
No. of Points:	67

LUMINAIRE INFORMATION	
Applied Circuits:	0
No. of Luminaires:	12
Total Load:	7.06 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.



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981-2021 Musco Sports Lighting, LLC.

#### ILLUMINATION SUMMARY



**VERDE DESIGN**  
LANDSCAPE ARCHITECTURE  
CIVIL ENGINEERING  
SPORT PLANNING & DESIGN  
1843 Iron Point Rd. Suite 140  
Folsom, CA 95630  
Tel: 916.415.6554  
Fax: 916.415.6525  
www.VerdeDesigninc.com

STAMP

CONSULTANT

### SHEET TITLE ILLUMINATION SUMMARY

PROJECT NAME  
**JESUIT HIGH SCHOOL  
STADIUM LIGHT  
IMPROVEMENTS**

PROJECT ADDRESS  
**1200 JACOB LN.  
CARMICHAEL, CA  
95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE

DRAWN BY: MUSCO      CHECKED BY: CS

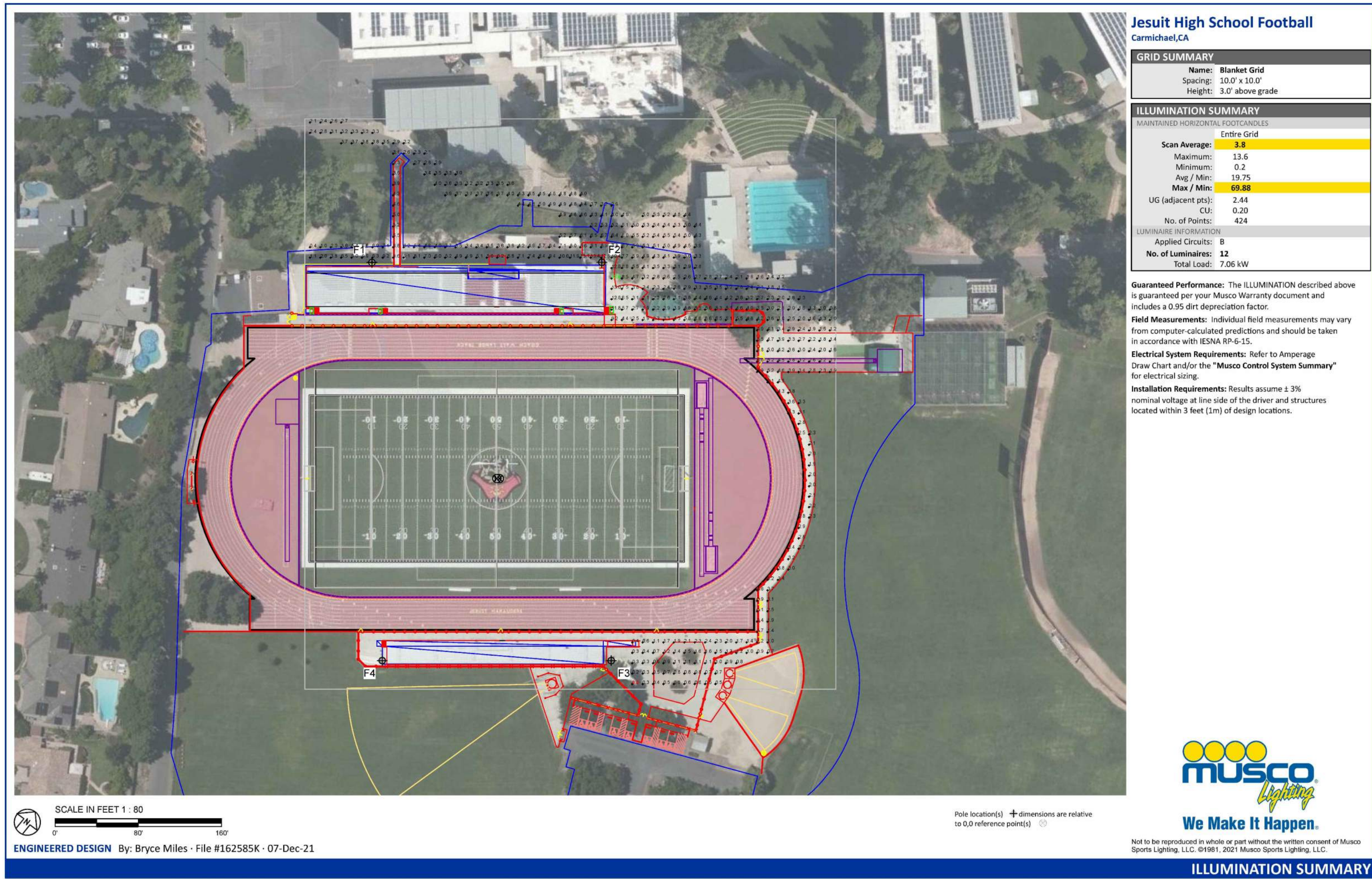
DATE ISSUED: 02/04/2022      SCALE: AS NOTED

PROJ. NO. 1612100

SHEET NO. **M1.3** OF SHEETS

### ILLUMINATION SUMMARY

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



**Jesuit High School Football**  
Carmichael, CA

GRID SUMMARY	
Name:	Blanket Grid
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	13.6
Maximum:	23.6
Minimum:	0.2
Avg / Min:	19.75
Max / Min:	69.88
UG (adjacent pts):	2.44
CU:	0.20
No. of Points:	424

LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	12
Total Load:	7.06 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.

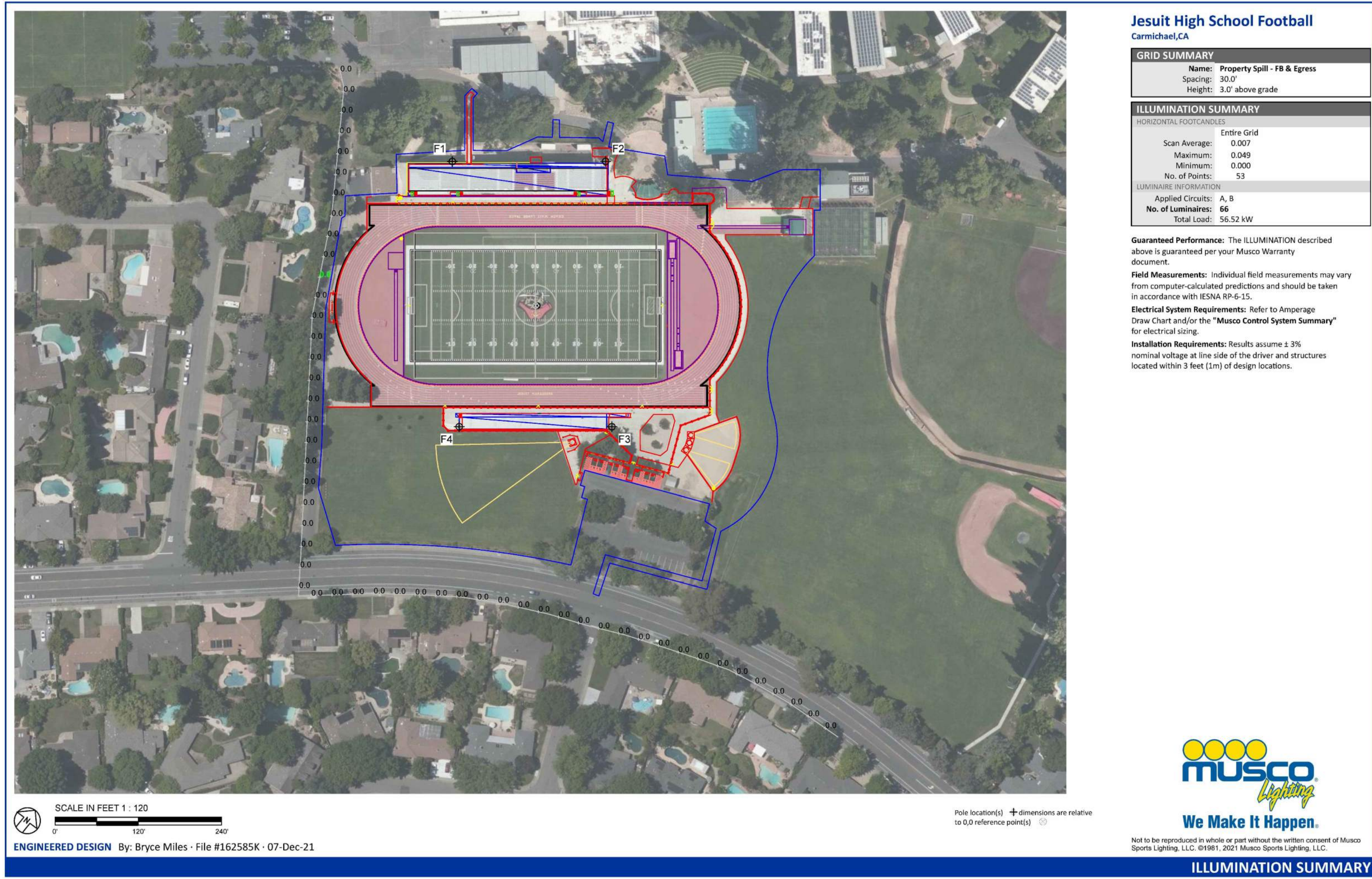
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981-2021 Musco Sports Lighting, LLC.

**ILLUMINATION SUMMARY**



**Jesuit High School Football**  
Carmichael, CA

GRID SUMMARY	
Name:	Property Spill - FB & Egress
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.007
Maximum:	0.049
Minimum:	0.000
No. of Points:	53

LUMINAIRE INFORMATION	
Applied Circuits:	A, B
No. of Luminaires:	66
Total Load:	56.52 kW

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

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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

**Installation Requirements:** Results assume ± 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. ©1981-2021 Musco Sports Lighting, LLC.

**ILLUMINATION SUMMARY**



**VERDE DESIGN**  
LANDSCAPE ARCHITECTURE  
CIVIL ENGINEERING  
SPORT PLANNING & DESIGN  
1843 Iron Point Rd. Suite 140  
Folsom, CA 95630  
Tel: 916.415.6554  
Fax: 916.415.6525  
www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**ILLUMINATION SUMMARY**

PROJECT NAME

**JESUIT HIGH SCHOOL  
STADIUM LIGHT  
IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
CARMICHAEL, CA  
95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE
△		
△		
△		
△		
△		
△		

DRAWN BY <b>MUSCO</b>	CHECKED BY <b>CS</b>
--------------------------	-------------------------

DATE ISSUED <b>02/04/2022</b>	SCALE <b>AS NOTED</b>
----------------------------------	--------------------------

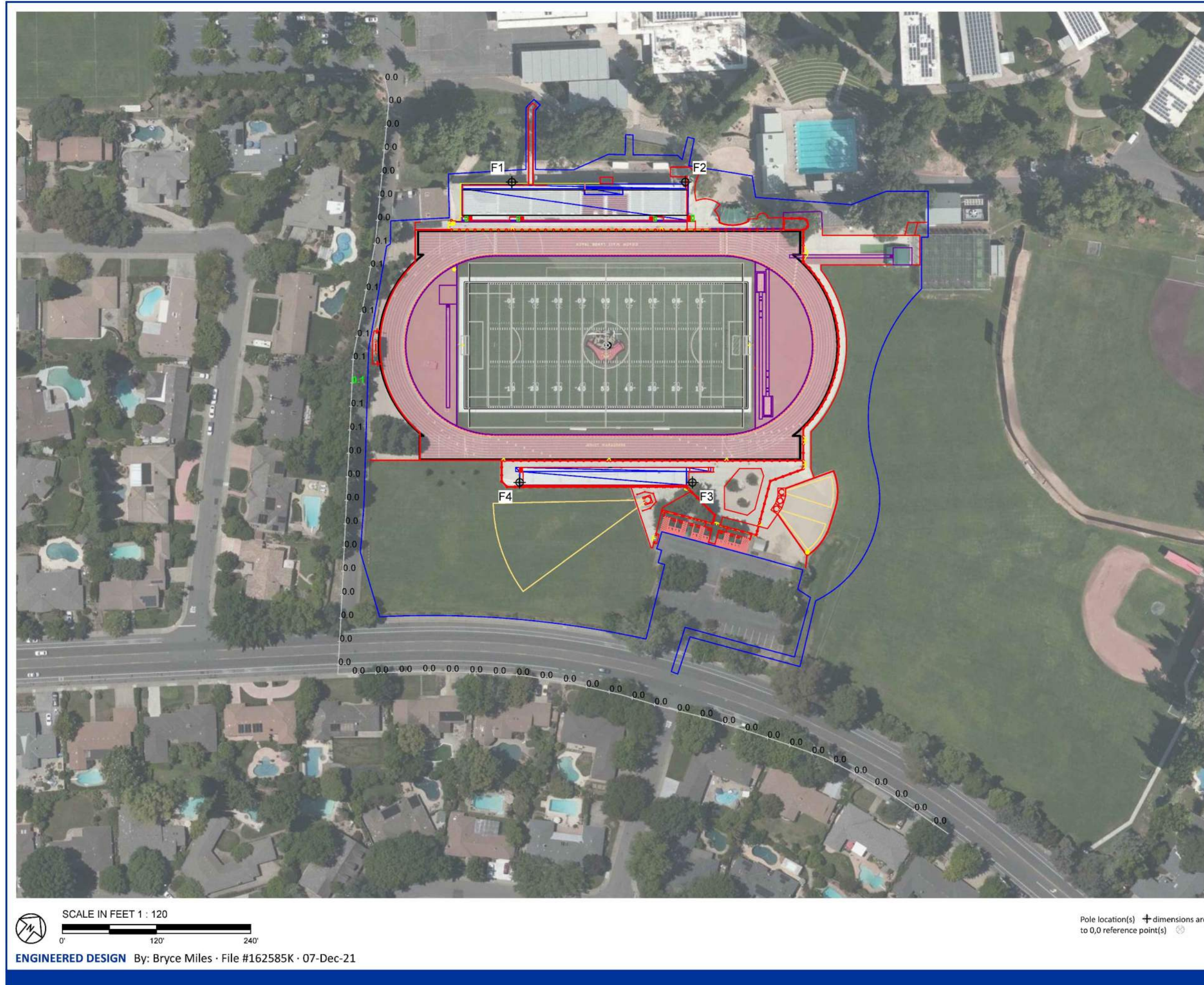
PROJ. NO. **1612100**

SHEET NO. **M1.4** OF SHEETS

**ILLUMINATION SUMMARY**



ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



**Jesuit High School Football**  
Carmichael, CA

GRID SUMMARY	
Name:	Property Spill - FB & Egress
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAX VERTICAL FOOTCANDLES	
Scan Average:	Entire Grid
Maximum:	0.028
Minimum:	0.124
No. of Points:	53

LUMINAIRE INFORMATION	
Applied Circuits:	A, B
No. of Luminaires:	66
Total Load:	56.52 kW

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

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-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.



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981-2021 Musco Sports Lighting, LLC.

**ILLUMINATION SUMMARY**



**Jesuit High School Football**  
Carmichael, CA

GRID SUMMARY	
Name:	Property Spill - FB & Egress
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
CANDELA (PER FIXTURE)	
Scan Average:	Entire Grid
Maximum:	513.214
Minimum:	3127.004
No. of Points:	6.304

LUMINAIRE INFORMATION	
Applied Circuits:	A, B
No. of Luminaires:	66
Total Load:	56.52 kW

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

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-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.



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981-2021 Musco Sports Lighting, LLC.

**ILLUMINATION SUMMARY**



STAMP

CONSULTANT

SHEET TITLE  
**ILLUMINATION SUMMARY**

PROJECT NAME  
**JESUIT HIGH SCHOOL STADIUM LIGHT IMPROVEMENTS**

PROJECT ADDRESS  
**1200 JACOB LN.  
CARMICHAEL, CA  
95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE
△		
△		
△		
△		
△		
△		

DRAWN BY: MUSCO      CHECKED BY: CS

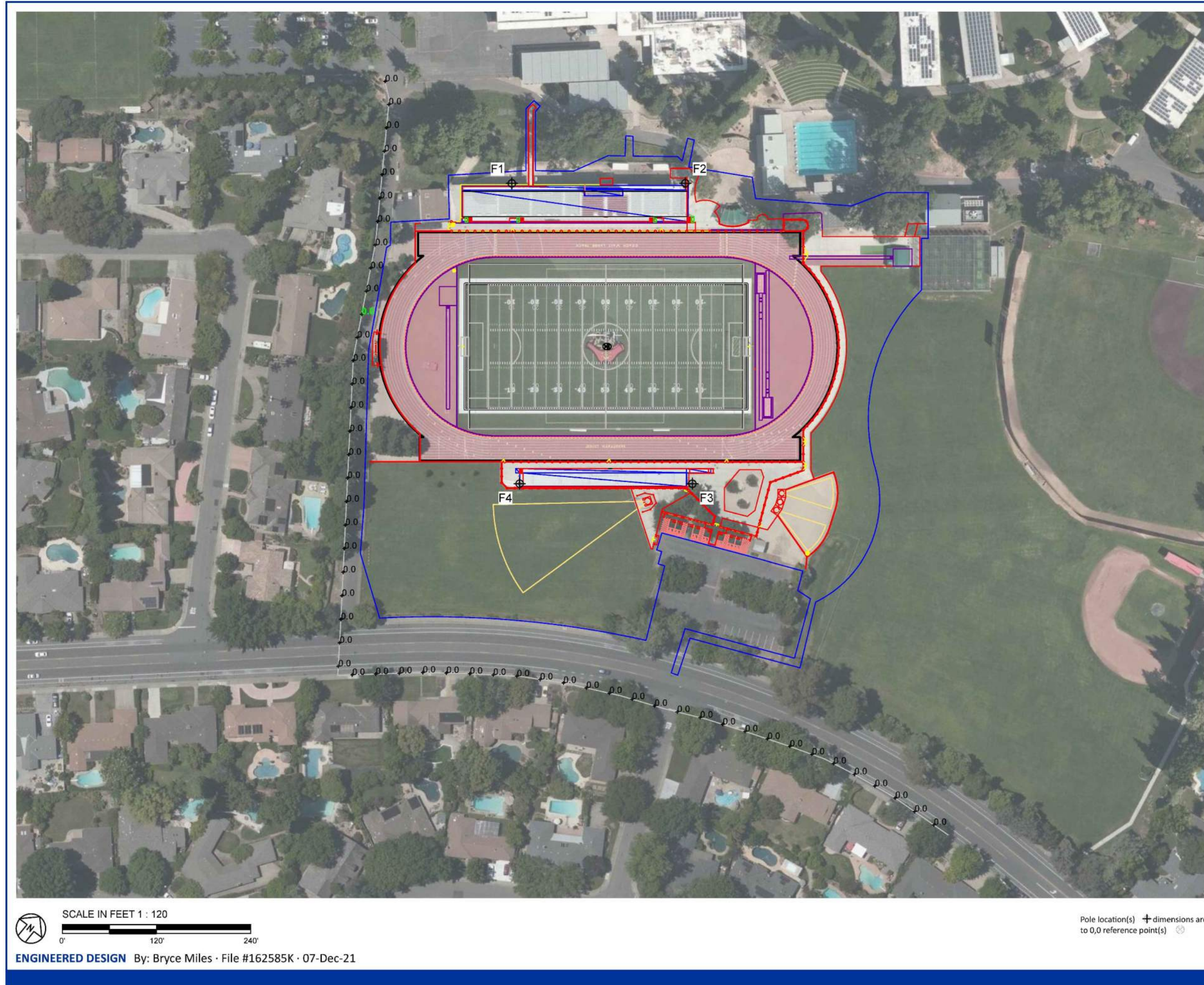
DATE ISSUED: 02/04/2022      SCALE: AS NOTED

PROJ. NO. 1612100

SHEET NO. **M1.5** OF SHEETS

**ILLUMINATION SUMMARY**

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



**Jesuit High School Football**  
Carmichael, CA

GRID SUMMARY	
Name:	Property Spill - FB Only
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
HORIZONTAL FOOTCANDLES	
Scan Average:	Entire Grid
Maximum:	0.007
Minimum:	0.000
No. of Points:	53
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	54
Total Load:	49.46 kW

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

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-15.

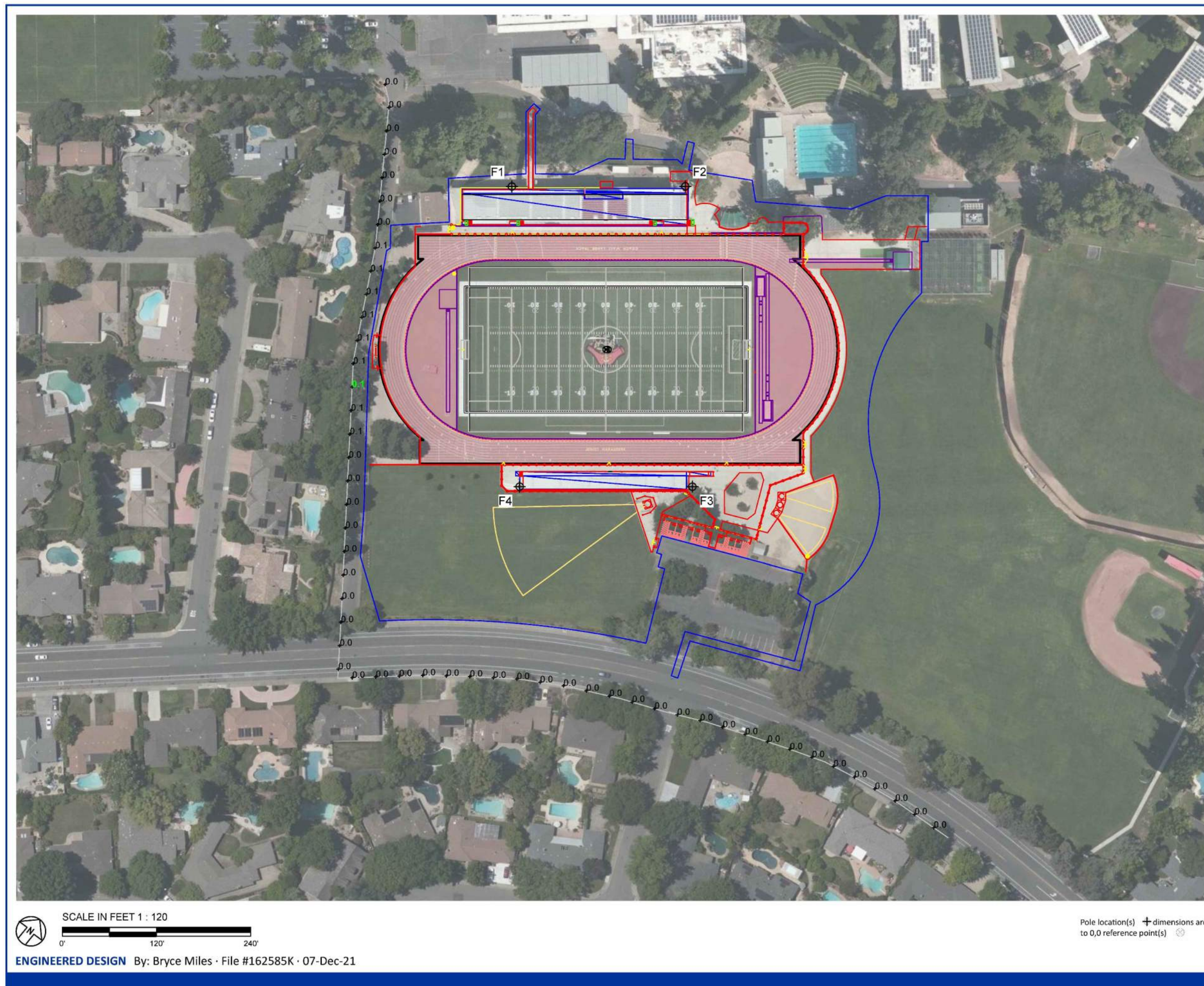
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981-2021 Musco Sports Lighting, LLC.

**ILLUMINATION SUMMARY**



**Jesuit High School Football**  
Carmichael, CA

GRID SUMMARY	
Name:	Property Spill - FB Only
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAX VERTICAL FOOTCANDLES	
Scan Average:	Entire Grid
Maximum:	0.114
Minimum:	0.000
No. of Points:	53
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	54
Total Load:	49.46 kW

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

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-15.

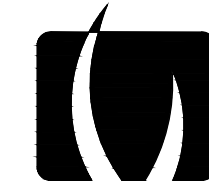
**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981-2021 Musco Sports Lighting, LLC.

**ILLUMINATION SUMMARY**



**VERDE DESIGN**

LANDSCAPE ARCHITECTURE  
CIVIL ENGINEERING  
SPORT PLANNING & DESIGN

1843 Iron Point Rd. Suite 140  
Folsom, CA 95630  
Tel: 916.415.6554  
Fax: 916.415.6525  
www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**ILLUMINATION SUMMARY**

PROJECT NAME

**JESUIT HIGH SCHOOL  
STADIUM LIGHT  
IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
CARMICHAEL, CA  
95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE
△		
△		
△		
△		
△		
△		

DRAWN BY <b>MUSCO</b>	CHECKED BY <b>CS</b>
--------------------------	-------------------------

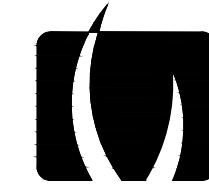
DATE ISSUED <b>02/04/2022</b>	SCALE <b>AS NOTED</b>
----------------------------------	--------------------------

PROJ. NO. <b>1612100</b>
-----------------------------

SHEET NO. <b>M1.6</b>	OF SHEETS
--------------------------	-----------

**ILLUMINATION SUMMARY**

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER, WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



**VERDE DESIGN**  
 LANDSCAPE ARCHITECTURE  
 CIVIL ENGINEERING  
 SPORT PLANNING & DESIGN  
 1843 Iron Point Rd. Suite 140  
 Folsom, CA 95630  
 Tel: 916.415.6554  
 Fax: 916.415.6525  
 www.VerdeDesigninc.com

STAMP

CONSULTANT

SHEET TITLE

**ILLUMINATION SUMMARY  
 AND EQUIPMENT LAYOUT**

PROJECT NAME

**JESUIT HIGH SCHOOL  
 STADIUM LIGHT  
 IMPROVEMENTS**

PROJECT ADDRESS

**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

SUBMITTAL

100% SUBMITTAL

DATE

02/04/22

NO. REVISIONS DATE

NO.	REVISIONS	DATE

DRAWN BY

MUSCO

CHECKED BY

CS

DATE ISSUED

02/04/2022

SCALE

AS NOTED

PROJ. NO.

1612100

SHEET NO.

**M1.7** OF SHEETS



SCALE IN FEET 1 : 120  
 ENGINEERED DESIGN By: Bryce Miles - File #162585K - 07-Dec-21

Pole location(s) + dimensions are relative to 0.0 reference point(s)

**Jesuit High School Football**  
 Carmichael, CA

**GRID SUMMARY**  
 Name: Property Split - FB Only  
 Spacing: 30'0"  
 Height: 3.0' above grade

**ILLUMINATION SUMMARY**  
 (CANDOLA USER FACTORS)  
 Scan Average: 503.930  
 Maximum: 1127.004  
 Minimum: 6.304  
 No. of Points: 53

**ILLUMINATION INFORMATION**  
 Applied Circuits: A  
 No. of Luminaires: 54  
 Total Load: 49.46 kW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.  
**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-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.

**ILLUMINATION SUMMARY**



SCALE IN FEET 1 : 80  
 ENGINEERED DESIGN By: Bryce Miles - File #162585K - 07-Dec-21

Pole location(s) + dimensions are relative to 0.0 reference point(s)

**Jesuit High School Football**  
 Carmichael, CA

**EQUIPMENT LAYOUT**

**INCLUDES:**  
 - Football 1  
 - Soccer 1  
 - Track

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.  
**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

**EQUIPMENT LIST FOR AREAS SHOWN**

QTY	LOCATION	CLASS	GRADE	HEIGHT	TYPE	Luminaires	WATTAGE	WATTAGE	WATTAGE
						TOTAL			
1	F1	L55100C	-	30'	TLC-LED-1200	2	100	100	100
				30'	TLC-LED-400	2*	100	100	100
				30'	TLC-LED-900	2	100	100	100
				30'	TLC-8F-575	2	100	100	100
1	F2	L55100C	-	30'	TLC-LED-1200	3	100	100	100
				30'	TLC-LED-400	2*	100	100	100
				30'	TLC-LED-900	2	100	100	100
				30'	TLC-8F-575	2	100	100	100
1	F3	L5590B	-	30'	TLC-LED-1200	6	100	100	100
				30'	TLC-LED-400	1	100	100	100
				15'	TLC-8F-575	1	100	100	100
1	F4	L5590B	-	30'	TLC-LED-1200	6	100	100	100
				30'	TLC-LED-900	1	100	100	100
				30'	TLC-LED-400	1	100	100	100
				15'	TLC-8F-575	2	100	100	100
				30'	TLC-LED-900	6	100	100	100
<b>TOTALS:</b>							54	6600	6600

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

**SINGLE LUMINAIRE AMPERAGE DRAW CHART**

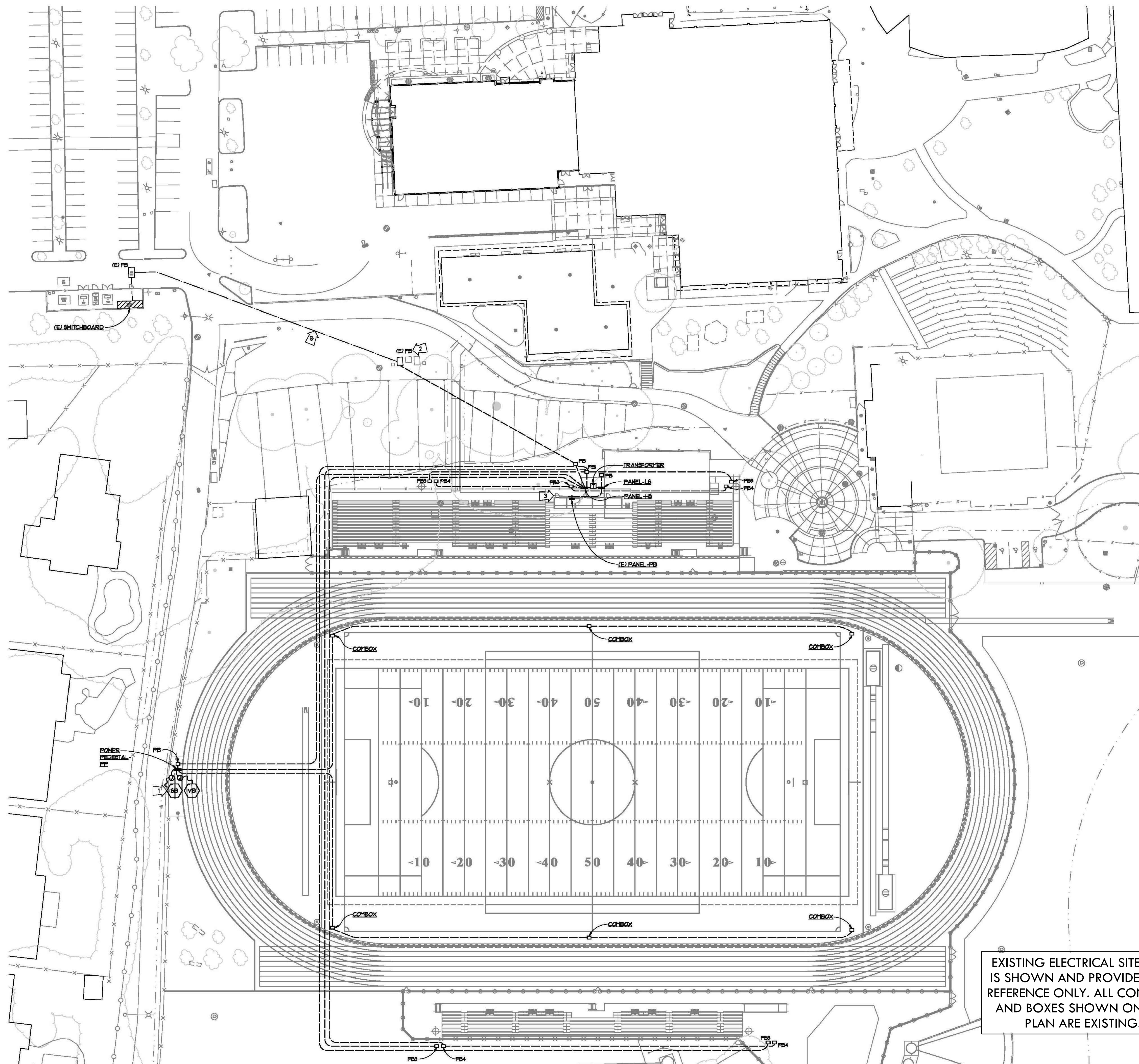
Ballast Specifications (Line Amps)	Line Amperage Per Luminaire (Line Amps)					
	208	220	240	277	347	480
TLC-LED-900	3.3	3.0	4.4	4.0	3.2	2.5
TLC-LED-400	3.4	3.2	3.0	2.6	2.0	1.9
TLC-LED-800	2.3	2.2	2.0	1.7	1.4	1.3
TLC-LED-1200	2.0	1.8	1.5	1.2	1.0	0.9
TLC-8F-575	3.4	3.2	2.8	2.5	2.0	1.8

**EQUIPMENT LAYOUT**

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.

**CONSTRUCTION NOTES:**

- 1 RECONNECT (E) SCOREBOARD AS REQUIRED.
- 2 EXTEND CONDUIT FROM (E) POWER FULL BOX.
- 3 RISE UP ON PRESS BOX SUPPORT STRUCTURE. "LB" INTO BUILDING. SEAL PENETRATION WATER-TIGHT.
- 4 EXISTING CONDUIT. SEE PARTIAL ONE LINE FOR FEEDER SIZE.
- 5 EXISTING CONDUIT. FULL-IN WIRES. SEE ONE LINE DIAGRAM.



EXISTING ELECTRICAL SITE PLAN IS SHOWN AND PROVIDED FOR REFERENCE ONLY. ALL CONDUITS AND BOXES SHOWN ON THIS PLAN ARE EXISTING.



STAMP

CONSULTANT

SHEET TITLE  
**EXISTING ELECTRICAL SITE PLAN**

PROJECT NAME  
**JESUIT HIGH SCHOOL STADIUM LIGHT IMPROVEMENTS**

PROJECT ADDRESS  
**1200 JACOB LN.  
 CARMICHAEL, CA  
 95608**

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE

DRAWN BY - CHECKED BY CS

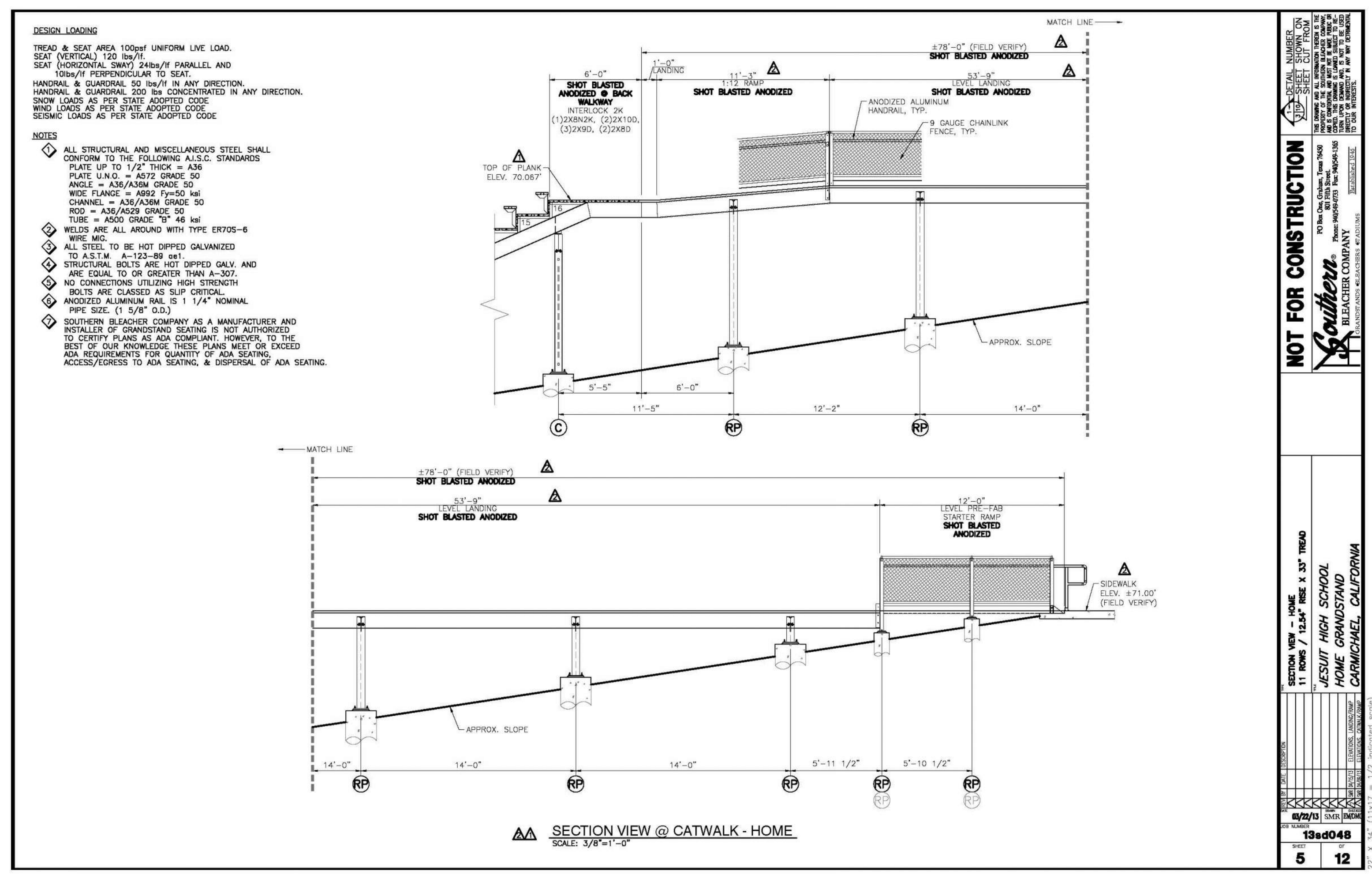
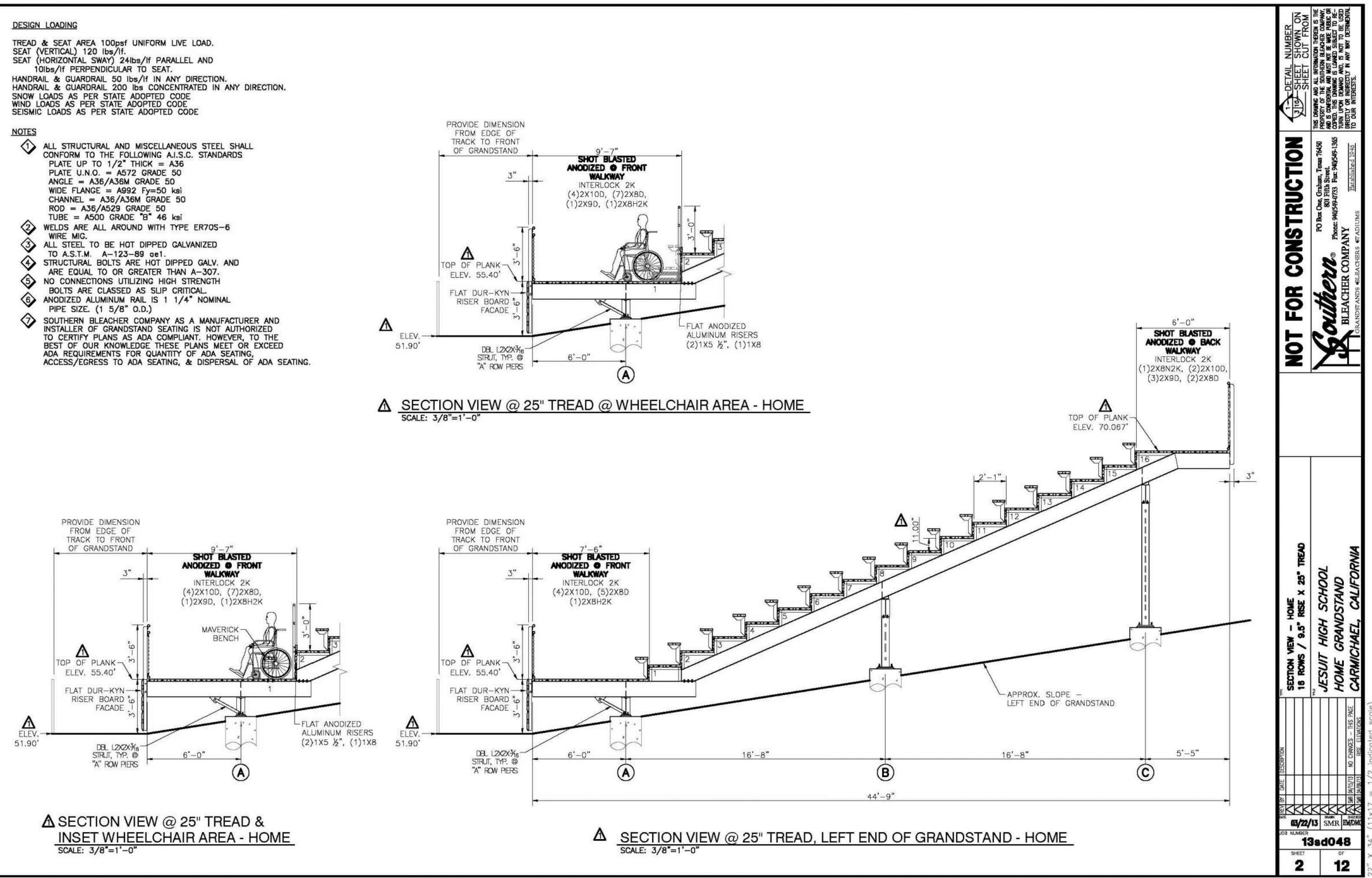
DATE ISSUED 02/04/2022 SCALE AS NOTED

PROJ. NO. 1612100

SHEET NO. **E1.0** OF SHEETS

EXISTING ELECTRICAL SITE PLAN

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER, WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



EXISTING BLEACHER PLANS ARE SHOWN AND PROVIDED FOR REFERENCE ONLY.



STAMP  
CONSULTANT

SHEET TITLE  
EXISTING HOME BLEACHERS AND CATWALK

PROJECT NAME  
JESUIT HIGH SCHOOL STADIUM LIGHT IMPROVEMENTS

PROJECT ADDRESS  
1200 JACOB LN.  
CARMICHAEL, CA  
95608

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE

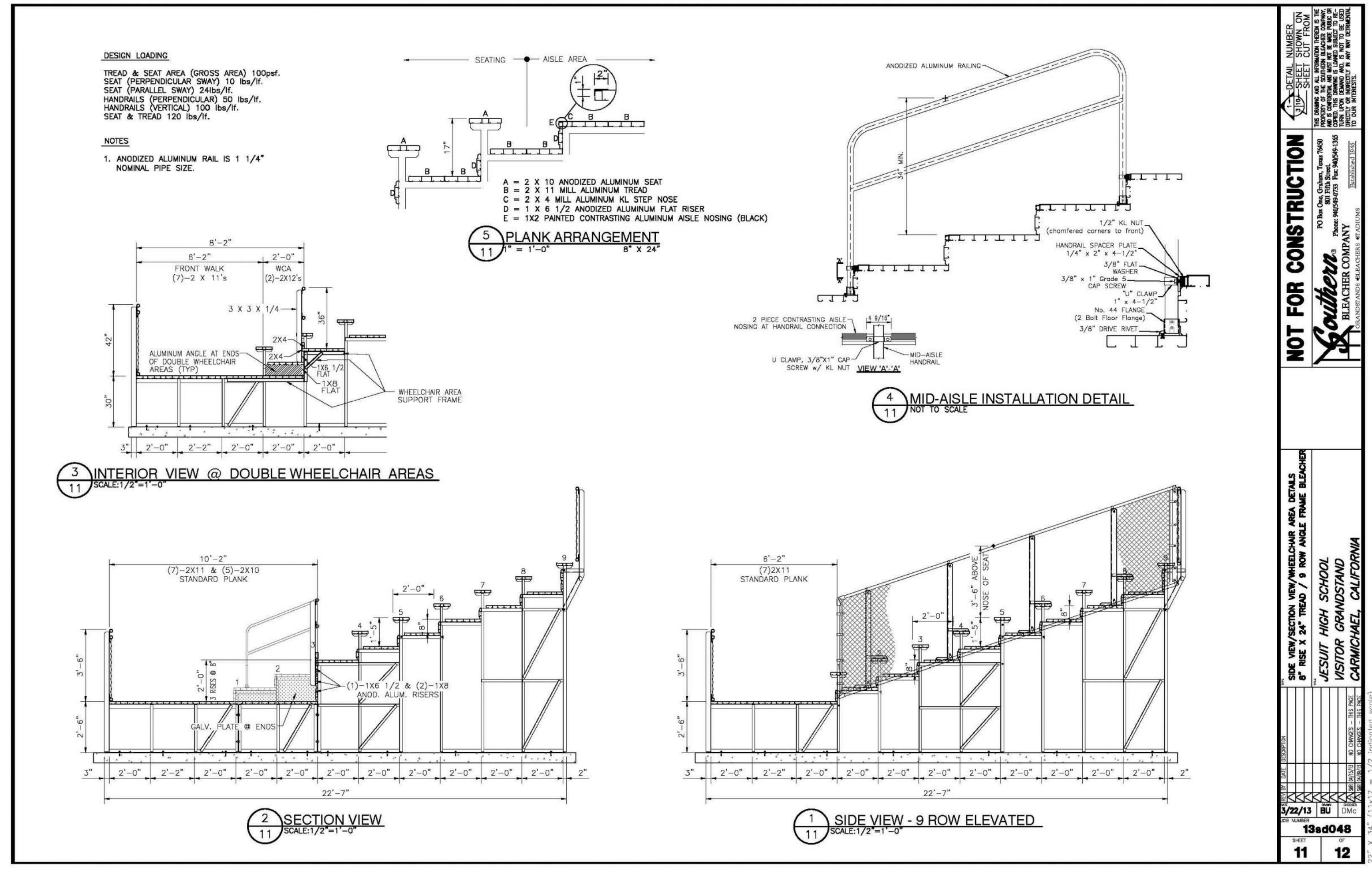
DRAWN BY: - CHECKED BY: CS

DATE ISSUED: 02/04/2022 SCALE: AS NOTED

PROJ. NO.: 1612100

SHEET NO.: B1.1 OF SHEETS

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF VERDE DESIGN, INC. AND WERE CREATED, EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED, REPRODUCED, OR PUBLISHED BY ANY METHOD, IN WHOLE OR IN PART, OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE, WHATSOEVER WITHOUT WRITTEN PERMISSION OF VERDE DESIGN, INC.



**NOT FOR CONSTRUCTION**

VERDE DESIGN, INC.  
 1843 IRON POINT RD., SUITE 140  
 FOLSOM, CA 95630  
 TEL: 916.415.6554  
 FAX: 916.415.6525  
 WWW.VERDEDESIGNINC.COM

DATE: 02/04/22  
 DRAWN BY: station27  
 CHECKED BY: CS  
 PROJECT NO.: 1612100  
 SHEET NO.: 11 OF 12



STAMP

CONSULTANT

**SHEET TITLE**  
 EXISTING 9 ROW BLEACHERS

**PROJECT NAME**  
 JESUIT HIGH SCHOOL STADIUM LIGHT IMPROVEMENTS

**PROJECT ADDRESS**  
 1200 JACOB LN.  
 CARMICHAEL, CA  
 95608

SUBMITTAL	DATE
100% SUBMITTAL	02/04/22

NO.	REVISIONS	DATE
△		
△		
△		
△		
△		

**DRAWN BY** - **CHECKED BY** CS

**DATE ISSUED** 02/04/2022 **SCALE** AS NOTED

**PROJ. NO.** 1612100

**SHEET NO.** **B1.2** OF SHEETS

EXISTING BLEACHER PLANS ARE SHOWN AND PROVIDED FOR REFERENCE ONLY.