



APPENDIX A

**Notice of Preparation (NOP), Comment Letters on the NOP, and
Distribution List**



NOTICE OF PREPARATION OF A SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT

The Palm Springs Unified School District (District) is proposing to install new field lighting at Rancho Mirage High School playing fields. These fields are used for football, soccer, lacrosse, and other school activities. The proposed lighting improvements would be located on all fields on the north, west, and southwest areas of the campus. In accordance with CEQA Guidelines Section 15163, the District as Lead Agency has determined that a focused Supplemental Environmental Impact Report (SEIR) will be prepared.

California Environmental Quality Act requires an objective, public process where public agencies address and disclose the potential environmental effects of projects under consideration. One of the methods used to inform the public and decisionmakers of potential environmental harm is the preparation of an environmental impact report (EIR), which is circulated for public review to allow comments and input by public agencies, interested parties and the public. An EIR is a detailed statement that describes and analyzes a project's potential significant environmental impacts and proposes ways to mitigate or avoid the negative effects.

PROJECT TITLE: Rancho Mirage High School Field Lighting Project

PROJECT LOCATION: The Project site is located at the existing sport fields at Rancho Mirage High School (RMHS), at 31001 Rattler Road, Rancho Mirage, CA. Specifically, the High School is located northeast of the intersection of Ramon Road and Da Vall Drive, east of Rattler Road, in the City of Rancho Mirage and County of Riverside, California, as shown in **Figure 1, Project Location Map**. The sport fields are located to the north, west, and southwest on the campus.

PROJECT DESCRIPTION: The District is proposing field lighting improvements at RMHS around the perimeter of the fields, as shown in **Figure 2, Project Site**.

The proposed lighting improvements of the athletic fields was prompted by the passage of Senate Bill (SB) 328, which requires high schools to start no earlier than 8:30 A.M. SB 328 affects sports activities which would require the athletic fields be lighted for evening use. The proposed lights would safely allow use of the athletic fields into the evening hours and the design meets the California Interscholastic Federation (CIF) recommended lighting levels.

The proposed Project is intended to expand the timing and use of the existing facilities for several sports (Baseball, Softball, and Soccer). By allowing evening-hour use, the high school would provide enhanced opportunities for students to participate in school-sponsored sports while RMHS student-athletes, students, and all other attendees of nighttime games and practices.

The proposed lighting improvements would include lighting fixtures on poles ranging in height from 50 feet to 100 feet tall for the baseball, softball, and soccer fields, as shown in **Figure 3, Conceptual Project Rendering**. The lighting improvements would occur on the Varsity Baseball Field, Junior Varsity (JV) Baseball Field, Varsity Softball Field, JV Softball Field, Practice Field South, Practice Field North, Soccer Field 1, and Soccer Field 2.

Construction activities would occur for approximately 6 to 9 months and would include the use of equipment such as backhoes, trenching machines and cranes.

ENVIRONMENTAL IMPACTS:

The Supplemental EIR is focused on those effects that relate to the proposed improvements and is tiered of the original for RMHS certified by the District on January 9, 2007 (SCH No. 2006011095). As noted in the CEQA Guidelines Section 15163(b), (b), the supplement to the EIR need contain only the information necessary to make the previous EIR adequate for the project as revised.

The Supplemental EIR will evaluate the following impacts that would result from the proposed project:

- Aesthetics (Add Lighting to the Existing Lighted Campus Environment);
- Air Quality (Potential Effects on surrounding air quality during construction);
- Biological Resources (Potential Effects on Special-Status Species);
- Cultural Resources (Potential to Accidentally Discover Unknown Buried Historic Resources or Unique Archaeological Resources; Possibility of an Accidental Discovery of Human Remains);
- Greenhouse Gas Emissions (Construction Activities Could Cause a Substantial Temporary Emissions Increase);
- Noise (Construction Activities Could Cause a Substantial Temporary Noise Increase); and
- Transportation (Inadequate Parking During Limited Nighttime Events with Potential Emergency Access Issues).

SCOPING MEETING: The District will hold a scoping meeting on April 26th, 2023, at the Cafeteria at Rancho Mirage High School at 31001 Rattler Road, Rancho Mirage, California starting at approximately 6:00 PM to address community comments and questions for the project.

COMMENTS: The period for agencies and members of the public to submit comments will be for 30 days commencing on March 27, 2023, and ending at 5:00 PM on April 26, 2023.

Written comments only need to be sent to District at the following address:

Palm Springs Unified School District
Facilities Planning & Development Department
150 District Center Drive
Palm Springs, CA 92264
Contact: Julie Arthur, Executive Director

Comments may also be sent by email to facilitiesplanning@psusd.us.

Please put **“Rancho Mirage High School Field Lighting Project”** in the subject line.

Date: 3-21-23



Julie Arthur
Executive Director of Facilities Planning
Palm Springs Unified School District



SOURCE: Jensen Design - 2023

FIGURE 1



SOURCE: Source: "HMC Architects – 2022

FIGURE 2



SOURCE: Source: "HMC Architects – 2022

FIGURE 3

Rancho Mirage HS EIR Distribution List

05/25/2023

Rancho Mirage Planning Department
Ben Torres, Planning Manager
69-825 Highway 111
Rancho Mirage, CA 92270

Rancho Mirage Fire Marshall
69825 Highway 111
Rancho Mirage, CA 92270

South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Riverside County Sheriff's Department – Rancho
Mirage Sheriff's Station
73-705 Gerald Ford Drive
Palm Desert, CA 92211

Riverside County Flood Control
1995 Market Street
Riverside, CA 92501

Riverside County Transportation & Land
Management Agency
Attention: CEQA Notice
Desert Permit Assistance Center
77588 El Duna Ct Suite H
Palm Desert, CA 92211

Agua Caliente Band of Cahuilla Indians
Lacy Padilla, Archaeological Technician
5401 Dinah Shore Drive
Palm Springs, CA 92264

Rancho Mirage Library & Observatory
71100 Highway 111
Rancho Mirage, CA 92270

Torres-Martinez Desert Cahuilla Indians
6725 Martinez Rd.
Thermal, CA 92274

Coachella Valley of Associated Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

Coachella Valley Water District
51501 Tyler Street
Coachella, CA 92236

Southern California Edison
36100 Cathedral Canyon Dr.
Cathedral City, CA 92234

Sunline Transit Agency
32-505 Harry Oliver Trail
Thousand Palms, CA 92276

Rancho Mirage HS EIR Distribution List

05/25/2023

Rancho Mirage Planning Department
Ben Torres, Planning Manager
69-825 Highway 111
Rancho Mirage, CA 92270

Rancho Mirage Fire Marshall
69825 Highway 111
Rancho Mirage, CA 92270

South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Riverside County Sheriff's Department – Rancho
Mirage Sheriff's Station
73-705 Gerald Ford Drive
Palm Desert, CA 92211

Riverside County Flood Control
1995 Market Street
Riverside, CA 92501

Riverside County Transportation & Land
Management Agency
Attention: CEQA Notice
Desert Permit Assistance Center
77588 El Duna Ct Suite H
Palm Desert, CA 92211

Agua Caliente Band of Cahuilla Indians
Lacy Padilla, Archaeological Technician
5401 Dinah Shore Drive
Palm Springs, CA 92264

Rancho Mirage Library & Observatory
71100 Highway 111
Rancho Mirage, CA 92270

Torres-Martinez Desert Cahuilla Indians
6725 Martinez Rd.
Thermal, CA 92274

Coachella Valley of Associated Governments
73-710 Fred Waring Drive, Suite 200
Palm Desert, CA 92260

Coachella Valley Water District
51501 Tyler Street
Coachella, CA 92236

Southern California Edison
36100 Cathedral Canyon Dr.
Cathedral City, CA 92234

Sunline Transit Agency
32-505 Harry Oliver Trail
Thousand Palms, CA 92276

CURRENT OCCUPANT
74041 HIGHWAY 111
PALM DESERT CA 92261

CURRENT OCCUPANT
69920 E RAMON RD
CATHEDRAL CITY CA 92234

CURRENT OCCUPANT
30875 DATE PALM DR NO C
CATHEDRAL CY CA 92234

CURRENT OCCUPANT
19 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1058 WASCANA HIGHLANDS
REGINA SK CANADA

CURRENT OCCUPANT
5917 SPEYSIDE RD
RIVERSIDE CA 92507

CURRENT OCCUPANT
78 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
5062 CALATRANA DR
WOODLAND HILLS CA 91364

CURRENT OCCUPANT
130 VIA TUSCANY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
521 SE ARCADIA SHORES
SHELTON WA 98584

CURRENT OCCUPANT
PO BOX 2034
SANTA MONICA CA 90406

CURRENT OCCUPANT
68936 ADELINA RD
CATHEDRAL CY CA 92234

CURRENT OCCUPANT
P O BOX 1058
COACHELLA VALLEY CA 92236

CURRENT OCCUPANT
1953 S NIAGARA ST
DENVER CO 80224

CURRENT OCCUPANT
167 WIKIL PL
PALM DESERT CA 92260

CURRENT OCCUPANT
1506 E ORANGE GROVE AVE
ORANGE CA 92867

CURRENT OCCUPANT
75 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
3500 TACHEVAH DR SUITE F
PALM SPRINGS CA 92262

CURRENT OCCUPANT
128 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
108 VIA TIBERIO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
5401 DINAH SHORE DR
PALM SPRINGS CA 92264

CURRENT OCCUPANT
68950 ADELINA RD
CATHEDRAL CITY CA 92234

CURRENT OCCUPANT
2922 DAIMIER ST
SANTA ANA CA 92705

CURRENT OCCUPANT
40 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
167 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
80 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
85 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
108 VIA DEL SIGNORIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
132 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
180 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
180 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
248 VIA PADUA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
87 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
20 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
17721 SYBRANDY AVE
CERRITOS CA 90703

CURRENT OCCUPANT
21 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
164 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
144 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
216 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
23 DONOVAN
IRVINE CA 92620

CURRENT OCCUPANT
38 VIA PARADISO
HENDERSON NV 89011

CURRENT OCCUPANT
233 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
16616 LAUREN WAY
ENCINO CA 91436

CURRENT OCCUPANT
47 VIA DEL ROSSI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
31 VIA DEL MARICALE
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
43 VIA DEL ROSSI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
2850 PINCKARD AVE
REDONDO BEACH CA 90278

CURRENT OCCUPANT
140 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
7055 DIVOT DR
LA VERNE CA 91750

CURRENT OCCUPANT
163 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
11716 RIDGEGATE DR
WHITTIER CA 90601

CURRENT OCCUPANT
248 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
8 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
43 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
27 VIA DEL MARICALE
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
74520 CORAL BELLS CR
PALM DESERT CA 92260

CURRENT OCCUPANT
166 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
191 N WACKER DR NO 1800
CHICAGO IL 60606

CURRENT OCCUPANT
4322 CRESCENT AVE
CYPRESS CA 90630

CURRENT OCCUPANT
1775 E PALM CANYON DR STE 110 #
1037
PALM SPRINGS CA 92264

CURRENT OCCUPANT
253880 WESTMINSTER HWY
RICHMOND BC V7C5S1

CURRENT OCCUPANT
64 PANORAMA DR
SAN FRANCISCO CA 94131

CURRENT OCCUPANT
187 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
188 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
13609 CHANDLER BLVD
SHERMAN OAKS CA 91401

CURRENT OCCUPANT
15 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
24 VIA DEL MARICALE
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
81 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
2222 E DEL LAGO RD
PALM SPRINGS CA 92262

CURRENT OCCUPANT
183 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
163 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
206 VIA FIRENZA
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CURRENT OCCUPANT
197 VIA SAN LUCIA
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CURRENT OCCUPANT
123 VIA TUSCANY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
79 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1729 DEL LAGO
YUBA CITY CA 95991

CURRENT OCCUPANT
PO BOX 116
MONTROSE CA 91021

CURRENT OCCUPANT
66 VIA DEL PIENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
114 VIA TIBERIO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
15020 S MAIN ST
GARDENA CA 90248

CURRENT OCCUPANT
209 VIA FIRENZA
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CURRENT OCCUPANT
179 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
34 CLANCY LANE ESTATE
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133 VIA TUSCANY
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RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
19004 ELAINE AVE
ARTESIA CA 90701

CURRENT OCCUPANT
181 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
PO BOX 2807
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
132 VIA TUSCANY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
4043 BUZZY RD
CANYON BC CANADA

CURRENT OCCUPANT
42 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
2055 N SAN ANTONIO RD
PALM SPRINGS CA 92262

CURRENT OCCUPANT
5312 VERNER DR
LA PALMA CA 90623

CURRENT OCCUPANT
P O BOX 240
IDYLLWILD CA 92549

CURRENT OCCUPANT
109 BOXWOOD DR
SAN RAFAEL CA 94903

CURRENT OCCUPANT
30 VIA DEL MARICALE
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
147 VIA SIENA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
10 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
119 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
236 VIA FIRENZIA
RANCHO MIRAGE CA 92270

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17 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

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251 VIA MARTELLI
RANCHO MIRAGE CA 92270

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228 VIA FIRENZIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
244 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
57 VIA DEL ROSSI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
27 WRANGLER CT
TRABUCO CANYON CA 92679

CURRENT OCCUPANT
151 VIA SIENA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
14 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
124 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
11 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
178 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
253 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
244 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1115 HEATHER RD
DEERFIELD IL 60015

CURRENT OCCUPANT
203 RAINBOW DR NO 10391
LIVINGSTON TX 77399

CURRENT OCCUPANT
16 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
162 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
139 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
149 VIA SIENA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
49 VIA DEL ROSSI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
37 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
153 VIA SIENA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
733 AMSTERDAM AVE APT 3F
NEW YORK NY 10025

CURRENT OCCUPANT
224 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
363 SW BLUFF DR NO 407
BEND OR 97702

CURRENT OCCUPANT
36 665 BANKSIDE DR STE B
CATHEDRAL CITY CA 92234

CURRENT OCCUPANT
171 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
195 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1210 DOROTHY DR
GLENDALE CA 91202

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61 VIA DEL ROSSI
RANCHO MIRAGE CA 92270

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RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
3195 MATARO ST
PASADENA CA 91107

CURRENT OCCUPANT
165 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
218 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
6622 38TH AVE SW
SEATTLE WA 98126

CURRENT OCCUPANT
168 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
212 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
13 VIA DEL PARADISO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
45 VIA DEL ROSSI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
4957 BILMOOR AVE
TARZANA CA 91356

CURRENT OCCUPANT
10329 PALMS BLV NO 604
LOS ANGELES CA 90034

CURRENT OCCUPANT
160 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
4918 SW 1ST AVE
PORTLAND OR 97239

CURRENT OCCUPANT
170 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
9 15875 MARINE DR
WHITEROCK BC CANADA

CURRENT OCCUPANT
170 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
80 STRIPER LN
EAST FALMOUTH MA 02536

CURRENT OCCUPANT
59 VIA DEL ROSSI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1720 MAPLE AVE # 2160
EVANSTON IL 60201

CURRENT OCCUPANT
143 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
13522 CARAVEL PL
CERRITOS CA 90703

CURRENT OCCUPANT
183 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
211 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
82 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
198 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
5401 S HELENA LN
SPOKANE WA 99223

CURRENT OCCUPANT
8421 WESTMORELAND LN
MINNEAPOLIS MN 55426

CURRENT OCCUPANT
90 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1493 MONTANA SERENA CT
EL CAJON CA 92021

CURRENT OCCUPANT
27030 DAISY CIR
YORBA LINDA CA 92887

CURRENT OCCUPANT
169 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
185 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
215 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
211 N ISABEL ST APT 9
GLENDALE CA 91206

CURRENT OCCUPANT
1156 NORUMBEGA DR
MONROVIA CA 91016

CURRENT OCCUPANT
PO BOX 71505
FAIRBANKS AK 99707

CURRENT OCCUPANT
3330 KIRKHAM ST
SAN FRANCISCO CA 94122

CURRENT OCCUPANT
31638 CALLE AMIGOS
CATHEDRAL CITY CA 92234

CURRENT OCCUPANT
6118 BRAEMAR CT
AGOURA HILLS CA 91301

CURRENT OCCUPANT
166 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
220 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1403 GARFIELD AVE
SOUTH PASADENA CA 91030

CURRENT OCCUPANT
89 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
7002 CALHOUN AVE
VAN NUYS CA 91405

CURRENT OCCUPANT
78601 KENTIA PALM DR
PALM DESERT CA 92211

CURRENT OCCUPANT
127 VIA TUSCANY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
125 VIA TUSCANY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
104 VIA DEL SIGNORIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1710 W FOOTHILL BLVD STE B1
UPLAND CA 91786

CURRENT OCCUPANT
5495 232ND ST
LANGLEY BC V2Z2P8

CURRENT OCCUPANT
142 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
95 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
141 JANINE DR
LA HABRA CA 90631

CURRENT OCCUPANT
177 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
194 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
88 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
70 VIA DEL PIENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1407 SAN PABLO DR
GLENDALE CA 91207

CURRENT OCCUPANT
124 VIA TUSCANY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
126 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
208 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
76 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
120 VIA DEL SIGNORIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
181 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
190 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
86 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
2 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
131 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
122 VIA TUSCANY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1298 PARK TERRACE LN
LAKE HAVASU CITY AZ 86404

CURRENT OCCUPANT
204 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
5958 FREMONT CIR
CAMARILLO CA 93010

CURRENT OCCUPANT
128 VIA TUSCANY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
189 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
217 VIA FIRENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
93 VIA SAN MARCO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
12 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
129 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
127 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
3178 WITHERS AVE
LAFAYETTE CA 94549

CURRENT OCCUPANT
246 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
67 VIA DEL PIENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
118 VIA DEL SIGNORIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
2525 VIA OLIVERA
PALOS VERDES ESTATES CA 90274

CURRENT OCCUPANT
177 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
186 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
122 FRANCIS CIR
ROHNERT PARK CA 94928

CURRENT OCCUPANT
245 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
6611 MELBA AVE
WEST HILLS CA 91307

CURRENT OCCUPANT
246 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
13546 LA JOLLA CIR # G209
LA MIRADA CA 90638

CURRENT OCCUPANT
511 LE CLAIRE AVE
WILMETTE IL 60091

CURRENT OCCUPANT
4004 VIA VICO
RANCHO PALOS VERDES CA 90275

CURRENT OCCUPANT
8675 SAN MARCOS RD
ATASCADERO CA 93422

CURRENT OCCUPANT
185 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
184 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
239 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
64 VIA DEL PIENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
226 VIA FIRENZIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
712 ELVIRA AVE UNIT A
REDONDO BEACH CA 90277

CURRENT OCCUPANT
77 VIA DEL MERCATO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
116 VIA DEL SIGNORIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1215 VIA LA JOLLA
SAN CLEMENTE CA 92672

CURRENT OCCUPANT
27 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
110 VIA TIBERIO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
182 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
243 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
7833 SIERRA VISTA ST
RANCHO CUCAMONGA CA 91730

CURRENT OCCUPANT
69 VIA DEL PIENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
133 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
230 VIA FIRENZIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
16 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
17 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
250 VIA MARTELLI
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
246 VIA PADUA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
117 YIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
112 VIA TIBERIO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
242 VIA PADUA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
71 VIA DEL PIENZA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
123 VIA SOLARO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
231 VIA FIRENZIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
340 VIA COLUSA
REDONDO BEACH CA 90277

CURRENT OCCUPANT
537 GERONA AVE
SAN GABRIEL CA 91775

CURRENT OCCUPANT
254 VIA PADUA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
612 KNIGHT WAY
LA CANADA FLINTRIDGE CA 91011

CURRENT OCCUPANT
268 N LINCOLN AVE STE 12
CORONA CA 92882

CURRENT OCCUPANT
172 VIA MILANO
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
17851 TRENTON DR
CASTRO VALLEY CA 94546

CURRENT OCCUPANT
110 VIA DEL SIGNORIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
234 VIA FIRENZIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
249 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
15 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
245 VIA SAN LUCIA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
250 VIA PADUA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
1201 E MARION WAY
PALM SPRINGS CA 92264

CURRENT OCCUPANT
1266 CONCORD ST
SAN DIEGO CA 92106

CURRENT OCCUPANT
252 VIA PADUA
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
2928 CHILLON WAY
LAGUNA BEACH CA 92651

CURRENT OCCUPANT
9 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
5 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
15821 VENTURA BLVD STE 370
ENCINO CA 91436

CURRENT OCCUPANT
1 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
13 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
7 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
4 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
610 NORTH G ST
TACOMA WA 98403

CURRENT OCCUPANT
21 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
3 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
510 1ST AVE # 1105
SAN DIEGO CA 92101

CURRENT OCCUPANT
25 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
22 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
2410 COLLEGE DR
COSTA MESA CA 92626

CURRENT OCCUPANT
23 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
11 IRIDIUM WAY
RANCHO MIRAGE CA 92270

CURRENT OCCUPANT
24 IRIDIUM WAY
RANCHO MIRAGE CA 92270



APPENDIX B

Rancho Mirage High School Proposed Lighting Plan and Lighting Policy

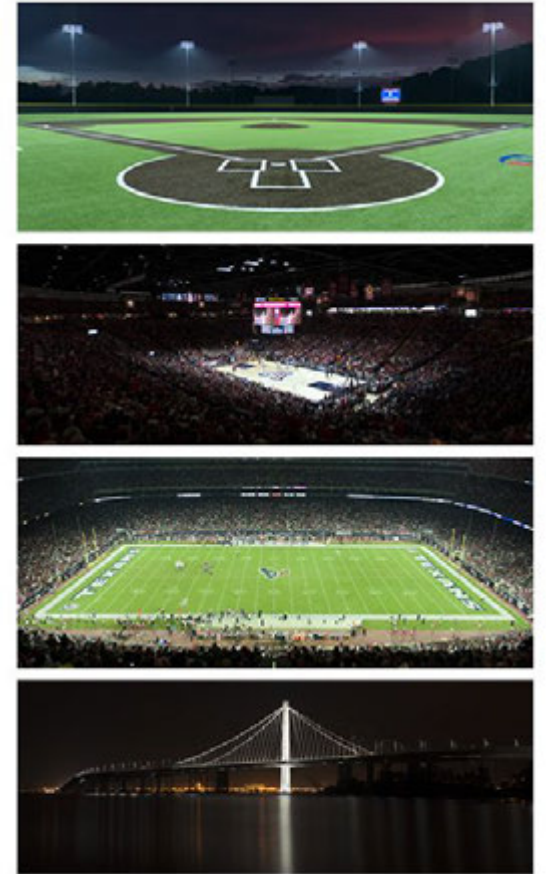
Rancho Mirage High School LED Field Lighting

Rancho Mirage, CA

Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1	80'	80'	5	TLC-LED-900	4.40 kW	C
		16'	1	TLC-BT-575	0.58 kW	A
		80'	4	TLC-LED-1500	5.64 kW	A
A2	80'	16'	1	TLC-BT-575	0.58 kW	C
		80'	4	TLC-LED-1500	5.64 kW	A
		80'	4	TLC-LED-1500	5.64 kW	B
		16'	1	TLC-BT-575	0.58 kW	A
		16'	1	TLC-BT-575	0.58 kW	B
A4	80'	80'	5	TLC-LED-900	4.40 kW	D
		16'	1	TLC-BT-575	0.58 kW	B
		80'	4	TLC-LED-1500	5.64 kW	B
		16'	1	TLC-BT-575	0.58 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
A5	60'	60'	3	TLC-LED-900	2.64 kW	C
		60'	3	TLC-LED-900	2.64 kW	D
		16'	1	TLC-BT-575	0.58 kW	C
		16'	1	TLC-BT-575	0.58 kW	D
A6	60'	60'	3	TLC-LED-900	2.64 kW	C
		16'	1	TLC-BT-575	0.58 kW	C
A7	60'	60'	3	TLC-LED-900	2.64 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
B1	90'	90'	5	TLC-LED-1500	7.05 kW	A
		90'	2	TLC-LED-550	1.08 kW	A
		90'	1	TLC-LED-900	0.88 kW	A
		16'	1	TLC-BT-575	0.58 kW	A
		60'	1	TLC-LED-900	0.88 kW	A
B2	90'	90'	5	TLC-LED-1500	7.05 kW	A
		16'	1	TLC-BT-575	0.58 kW	A
		90'	3	TLC-LED-550	1.62 kW	A
		60'	1	TLC-LED-900	0.88 kW	A
		90'	1	TLC-LED-1500	7.05 kW	B
B3	90'	90'	5	TLC-LED-1500	7.05 kW	B
		90'	3	TLC-LED-550	1.62 kW	B
		16'	1	TLC-BT-575	0.58 kW	B
		60'	1	TLC-LED-900	0.88 kW	B
		90'	3	TLC-LED-900	2.64 kW	B
B4	90'	90'	5	TLC-LED-1500	7.05 kW	B
		90'	3	TLC-LED-900	2.64 kW	B
		16'	1	TLC-BT-575	0.58 kW	B
		60'	1	TLC-LED-550	0.54 kW	B
		90'	1	TLC-LED-1500	7.05 kW	C
B5	60'	60'	5	TLC-LED-550	2.70 kW	C
		60'	5	TLC-LED-550	2.70 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
		16'	1	TLC-BT-575	0.58 kW	C
		60'	1	TLC-LED-550	0.54 kW	A
C1	60'	60'	1	TLC-LED-550	0.54 kW	A
		60'	2	TLC-LED-900	1.76 kW	A
C2	60'	60'	3	TLC-LED-550	1.62 kW	A
C3-C4	60'	60'	3	TLC-LED-550	1.62 kW	B
C5	60'	60'	4	TLC-LED-550	2.16 kW	C
		16'	1	TLC-BT-575	0.58 kW	C
C6	60'	60'	5	TLC-LED-550	2.70 kW	C
		16'	1	TLC-BT-575	0.58 kW	C
C7	60'	60'	4	TLC-LED-550	2.16 kW	D
		60'	1	TLC-LED-900	0.88 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
C8	60'	60'	4	TLC-LED-550	2.16 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
		60'	1	TLC-LED-1200	1.17 kW	E

From Hometown to Professional



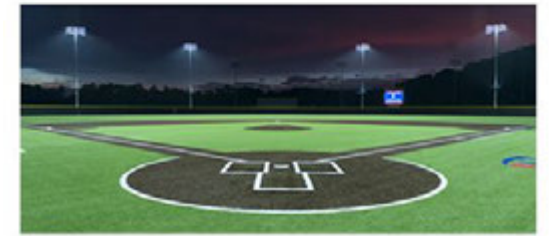
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Rancho Mirage High School LED Field Lighting

Rancho Mirage, CA

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
		60'	2	TLC-LED-550	1.08 kW	A
		60'	2	TLC-LED-900	1.76 kW	A
		60'	1	TLC-LED-900	0.88 kW	E
		16'	1	TLC-BT-575	0.58 kW	A
D2	60'	60'	3	TLC-LED-550	1.62 kW	A
		60'	1	TLC-LED-900	0.88 kW	A
		16'	1	TLC-BT-575	0.58 kW	A
D3	60'	60'	4	TLC-LED-550	2.16 kW	B
		16'	1	TLC-BT-575	0.58 kW	B
D4	60'	60'	2	TLC-LED-550	1.08 kW	B
		60'	2	TLC-LED-900	1.76 kW	B
		16'	1	TLC-BT-575	0.58 kW	B
E1	60'	60'	1	TLC-LED-1200	1.17 kW	E
		60'	2	TLC-LED-550	1.08 kW	A
		60'	1	TLC-LED-550	0.54 kW	E
		60'	2	TLC-LED-900	1.76 kW	A
		60'	2	TLC-LED-900	1.76 kW	E
		16'	2	TLC-BT-575	1.15 kW	A
E2	60'	60'	2	TLC-LED-550	1.08 kW	A
		60'	2	TLC-LED-900	1.76 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
E3	60'	60'	2	TLC-LED-550	1.08 kW	B
		60'	2	TLC-LED-900	1.76 kW	B
		16'	2	TLC-BT-575	1.15 kW	B
E4	60'	60'	1	TLC-LED-550	0.54 kW	B
		60'	3	TLC-LED-900	2.64 kW	B
		16'	2	TLC-BT-575	1.15 kW	B
P1	50'	50'	1	TLC-LED-550	0.54 kW	E
		50'	2	TLC-LED-900	1.76 kW	E
P2, P4-P5	50'	50'	2	TLC-LED-1200	2.34 kW	E
		50'	2	TLC-LED-900	1.76 kW	E
P3	50'	50'	1	TLC-LED-1200	1.17 kW	E
		50'	3	TLC-LED-900	2.64 kW	E
S1-S2	70'	70'	11	TLC-LED-1200	12.87 kW	F
S3-S4, S8	70'	70'	6	TLC-LED-900	5.28 kW	F
S5	70'	70'	5	TLC-LED-1200	5.85 kW	F
S6	80'	80'	5	TLC-LED-1200	5.85 kW	F
39			253		221.41 kW	

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Rancho Mirage High School LED Field Lighting

Rancho Mirage, CA

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Varsity Baseball	51.41 kW	58
B	JV Baseball	51.07 kW	58
C	Varsity Softball	20.69 kW	31
D	JV Softball	21.03 kW	31
E	Practice South	23.93 kW	25
F	Practice North	53.28 kW	50

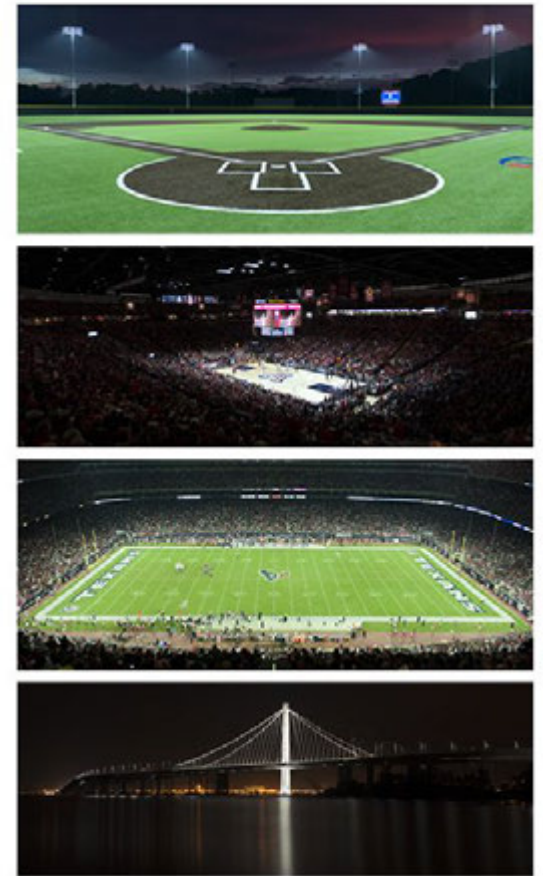
Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	41
TLC-LED-550	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	66
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	36
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	78
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	32

Single Luminaire Amperage Draw Chart							
Driver (.90 min power factor)	Max Line Amperage Per Luminaire						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	-	1.4
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8	1.5

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Blanket Spill	Horizontal	11.9	0	84	0.00		A,B,C,D,E, F	253
JV Baseball 1st Base Bullpen	Horizontal	27.8	19	36	1.87	1.47	B	58
JV Baseball 3rd Base Bullpen	Horizontal	27.1	13	38	2.83	2.09	B	58
JV Baseball (Infield)	Horizontal Illuminance	52.9	38	62	1.63	1.39	B	58
JV Baseball (Outfield)	Horizontal Illuminance	31.9	20	45	2.23	1.59	B	58
JV Softball Bullpen	Horizontal	24	10	39	4.03	2.40	D	31
JV Softball (Infield)	Horizontal Illuminance	50.6	33	59	1.76	1.53	D	31
JV Softball (Outfield)	Horizontal Illuminance	30.8	20	43	2.15	1.54	D	31
Practice North	Horizontal	24.2	0	44	295.44		F	50
Practice South	Horizontal Illuminance	32.9	24	44	1.84	1.37	E	25
Rattler Rd Spill	Horizontal	0.01	0	0.08	0.00		A,B,C,D,E, F	253
Rattler Rd Spill	Max Candela (by Fixture)	289	0	1382	0.00		A,B,C,D,E, F	253
Rattler Rd Spill	Max Vertical Illuminance Metric	0.02	0	0.11	0.00		A,B,C,D,E, F	253
Soccer 1	Horizontal Illuminance	30.5	23	39	1.74	1.33	F	50
Soccer 2	Horizontal Illuminance	34	23	44	1.94	1.48	F	50
Varsity Baseball 1st Base Bullpen	Horizontal	29.5	17	40	2.34	1.73	A	58
Varsity Baseball 3rd Base Bullpen	Horizontal	26.9	17	36	2.17	1.58	A	58
Varsity Baseball (Infield)	Horizontal Illuminance	52.6	38	60	1.58	1.38	A	58
Varsity Baseball (Outfield)	Horizontal Illuminance	31.6	20	46	2.30	1.58	A	58
Varsity Softball Bullpen	Horizontal	22.8	13	29	2.20	1.76	C	31
Varsity Softball (Infield)	Horizontal Illuminance	51.9	36	64	1.77	1.44	C	31
Varsity Softball (Outfield)	Horizontal Illuminance	30.7	20	46	2.26	1.54	C	31
West Property Line Spill	Horizontal	0.75	0	1.98	0.00		A,B,C,D,E, F	253
West Property Line Spill	Max Candela (by Fixture)	9030	0.14	34593	248378.90	64501.11	A,B,C,D,E, F	253
West Property Line Spill	Max Vertical Illuminance Metric	0.91	0	2.26	0.00		A,B,C,D,E, F	253

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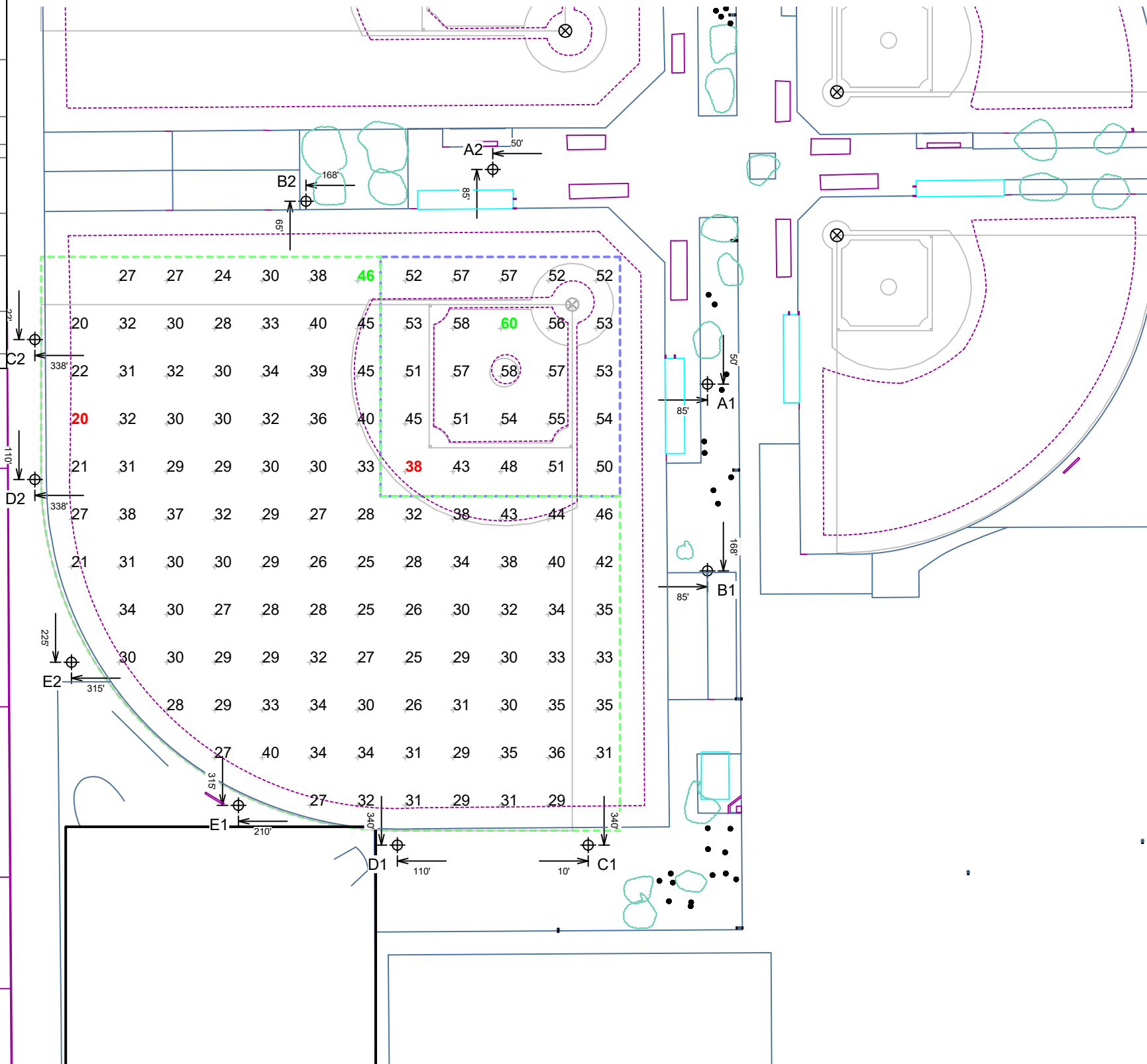
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EQUIPMENT LIST FOR AREAS SHOWN

Pole		Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	80'	-	80'	TLC-LED-900	5*	0	5
				15.5'	TLC-BT-575	1/1*	1	1
				80'	TLC-LED-1500	4	4	0
1	A2	80'	-	15.5'	TLC-BT-575	1/1*	1	1
				80'	TLC-LED-1500	4/4*	4	4
				90'	TLC-LED-900	1	1	0
1	B1	90'	-	90'	TLC-LED-900	1	1	0
				90'	TLC-LED-550	2	2	0
				15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-900	1	1	0
				90'	TLC-LED-1500	5	5	0
1	B2	90'	-	90'	TLC-LED-550	3	3	0
				15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-900	1	1	0
				90'	TLC-LED-1500	5	5	0
				60'	TLC-LED-550	2	2	0
1	C1	60'	-	60'	TLC-LED-550	1	1	0
1	C2	60'	-	60'	TLC-LED-900	2	2	0
1	D1	60'	-	60'	TLC-LED-550	2	2	0
1	D2	60'	-	60'	TLC-LED-1200	1*	0	1
				15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-900	2/1*	2	1
1	E1	60'	-	60'	TLC-LED-550	2/1*	2	1
				60'	TLC-LED-1200	1*	0	1
				15.5'	TLC-BT-575	2	2	0
1	E2	60'	-	60'	TLC-LED-900	2/2*	2	2
				15.5'	TLC-BT-575	2	2	0
				60'	TLC-LED-550	2	2	0
10	TOTALS					75	58	17

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



Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA

GRID SUMMARY	
Name:	Varsity Baseball
Size:	Irregular 331' / 377' / 334'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

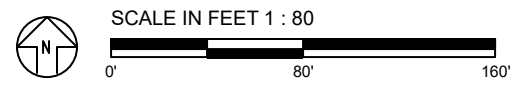
ILLUMINATION SUMMARY		
MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	52.60	31.57
Maximum:	60	46
Minimum:	38	20
Avg / Min:	1.39	1.58
Guaranteed Max / Min:	2	2.5
Max / Min:	1.58	2.30
UG (adjacent pts):	1.20	1.60
CU:	0.67	
No. of Points:	25	105
LUMINAIRE INFORMATION		
Applied Circuits:	A	
No. of Luminaires:	58	
Total Load:	51.41 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.



ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

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



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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
1	A1	80'	-	80'	TLC-LED-900	5*	0	5	
				15.5'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4	4	0	
1	A2	80'	-	15.5'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4/4*	4	4	
1	B1	90'	-	90'	TLC-LED-900	1	1	0	
				90'	TLC-LED-550	2	2	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	1	1	0	
				90'	TLC-LED-1500	5	5	0	
1	B2	90'	-	90'	TLC-LED-550	3	3	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	1	1	0	
				90'	TLC-LED-1500	5	5	0	
1	C1	60'	-	60'	TLC-LED-550	1	1	0	
				60'	TLC-LED-900	2	2	0	
1	C2	60'	-	60'	TLC-LED-550	3	3	0	
1	D1	60'	-	60'	TLC-LED-550	2	2	0	
				60'	TLC-LED-1200	1*	0	1	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	2/1*	2	1	
1	D2	60'	-	60'	TLC-LED-550	3	3	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	1	1	0	
1	E1	60'	-	60'	TLC-LED-550	2/1*	2	1	
				60'	TLC-LED-1200	1*	0	1	
				15.5'	TLC-BT-575	2	2	0	
				60'	TLC-LED-900	2/2*	2	2	
1	E2	60'	-	60'	TLC-LED-900	2	2	0	
				15.5'	TLC-BT-575	2	2	0	
				60'	TLC-LED-550	2	2	0	
10	TOTALS						75	58	17

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

GRID SUMMARY	
Name:	Varsity Baseball 1st Base Bullpen
Size:	Irregular 331' / 377' / 334'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

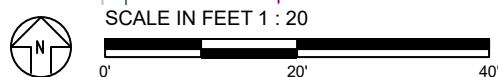
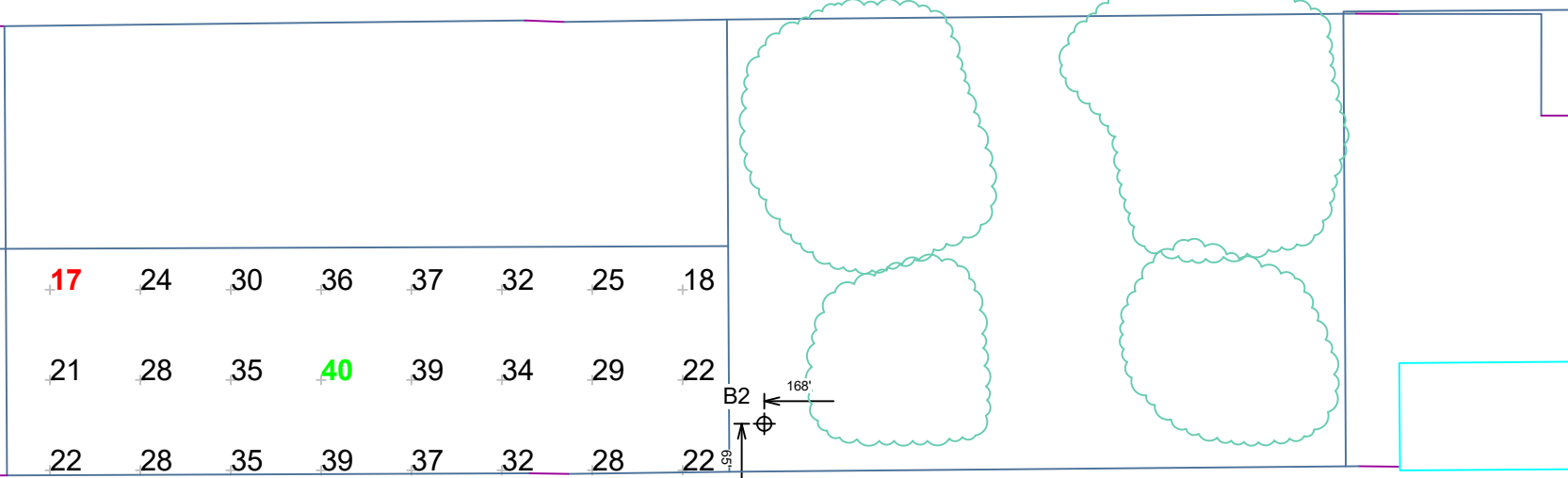
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	29.49
Maximum:	40
Minimum:	17
Avg / Min:	1.72
Max / Min:	2.34
UG (adjacent pts):	1.41
CU:	0.01
No. of Points:	24
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	58
Total Load:	51.41 kW

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.

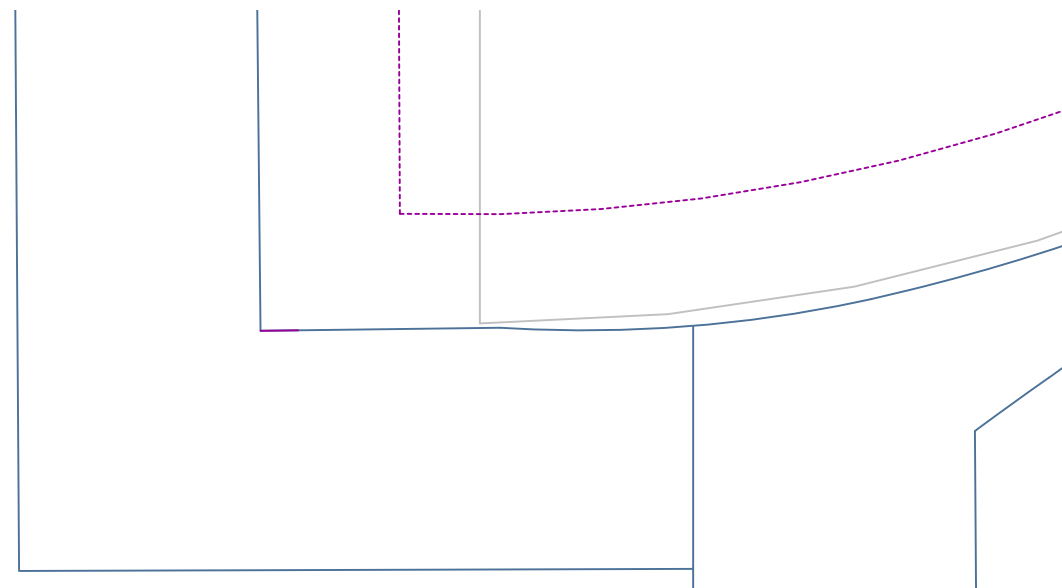
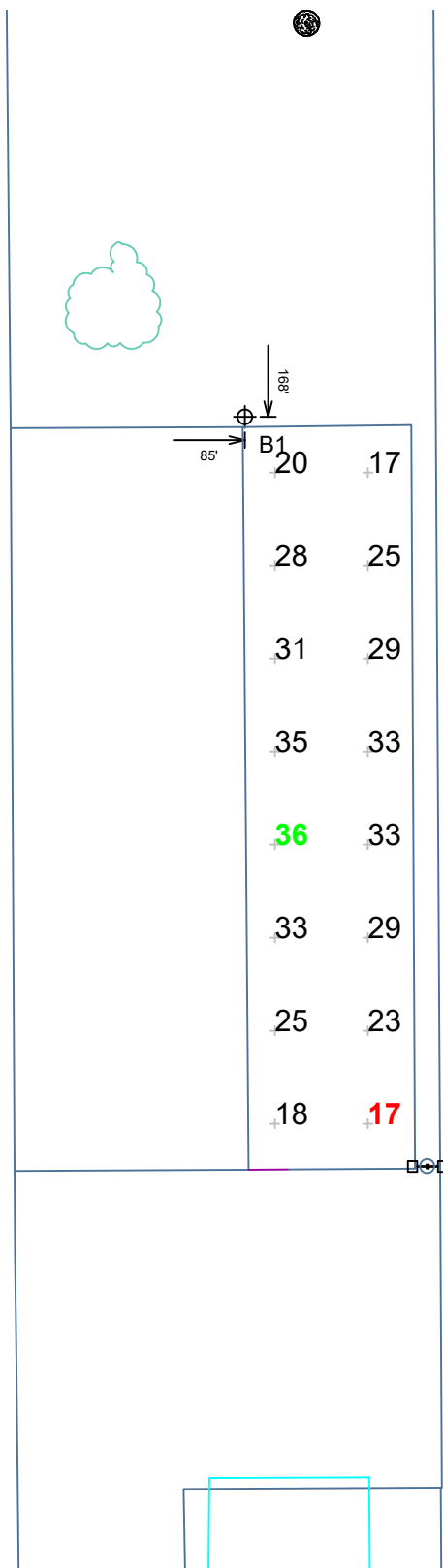


Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



EQUIPMENT LIST FOR AREAS SHOWN							
Pole				Luminaires			
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID / OTHER GRIDS
1	A1	80'	-	80'	TLC-LED-900	5*	0 5
				15.5'	TLC-BT-575	1/1*	1 1
				80'	TLC-LED-1500	4	4 0
1	A2	80'	-	15.5'	TLC-BT-575	1/1*	1 1
				80'	TLC-LED-1500	4/4*	4 4
				90'	TLC-LED-900	1	1 0
1	B1	90'	-	90'	TLC-LED-550	2	2 0
				15.5'	TLC-BT-575	1	1 0
				60'	TLC-LED-900	1	1 0
				90'	TLC-LED-1500	5	5 0
				90'	TLC-LED-550	3	3 0
1	B2	90'	-	15.5'	TLC-BT-575	1	1 0
				60'	TLC-LED-900	1	1 0
				90'	TLC-LED-1500	5	5 0
1	C1	60'	-	60'	TLC-LED-550	1	1 0
1	C2	60'	-	60'	TLC-LED-900	2	2 0
1	D1	60'	-	60'	TLC-LED-550	3	3 0
1	D2	60'	-	60'	TLC-LED-550	2	2 0
				60'	TLC-LED-1200	1*	0 1
				15.5'	TLC-BT-575	1	1 0
1	E1	60'	-	60'	TLC-LED-900	2/1*	2 1
				60'	TLC-LED-550	1*	0 1
				15.5'	TLC-BT-575	2	2 0
1	E2	60'	-	60'	TLC-LED-900	2/2*	2 2
				60'	TLC-LED-550	2	2 0
				15.5'	TLC-BT-575	2	2 0
10	TOTALS						75 58 17

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



GRID SUMMARY	
Name:	Varsity Baseball 3rd Base Bullpen
Size:	Irregular 331' / 377' / 334'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

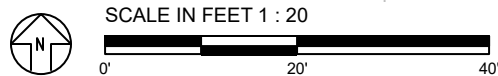
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	26.90
Maximum:	36
Minimum:	17
Avg / Min:	1.62
Max / Min:	2.17
UG (adjacent pts):	1.49
CU:	0.01
No. of Points:	16
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	58
Total Load:	51.41 kW

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.



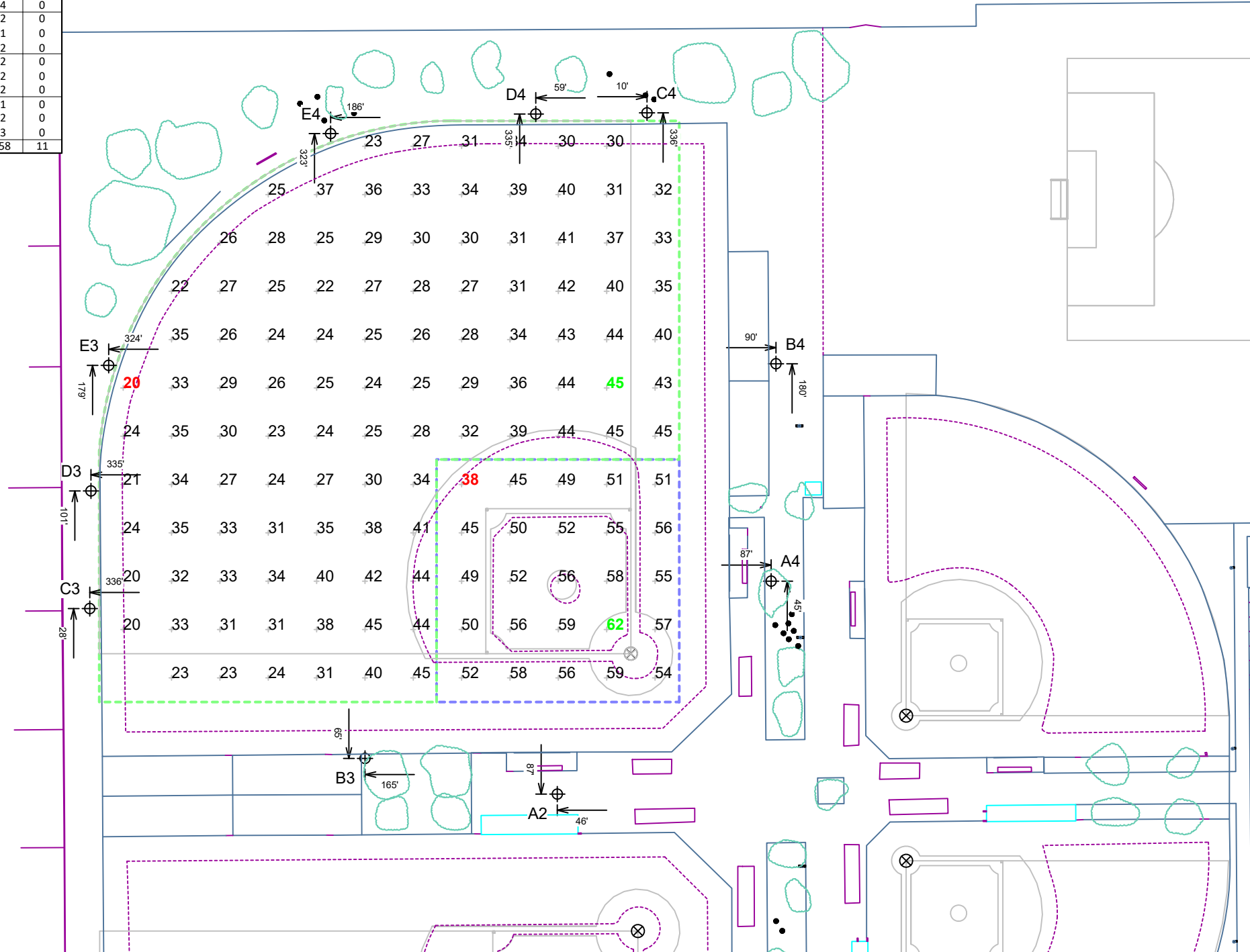
Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



EQUIPMENT LIST FOR AREAS SHOWN

Pole		Luminaires							
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
1	A2	80'	-	15.5'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4/4*	4	4	
1	A4	80'	-	80'	TLC-LED-900	5*	0	5	
				15.5'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4	4	0	
1	B3	90'	-	90'	TLC-LED-550	3	3	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	1	1	0	
				90'	TLC-LED-1500	5	5	0	
1	B4	90'	-	90'	TLC-LED-900	3	3	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	1	1	0	
				90'	TLC-LED-1500	5	5	0	
2	C3-C4	60'	-	60'	TLC-LED-550	3	3	0	
1	D3	60'	-	15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	4	4	0	
1	D4	60'	-	60'	TLC-LED-550	2	2	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	2	2	0	
1	E3	60'	-	60'	TLC-LED-550	2	2	0	
				15.5'	TLC-BT-575	2	2	0	
				60'	TLC-LED-900	2	2	0	
1	E4	60'	-	60'	TLC-LED-550	1	1	0	
				15.5'	TLC-BT-575	2	2	0	
				60'	TLC-LED-900	3	3	0	
10	TOTALS						69	58	11

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



Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA

GRID SUMMARY	
Name:	JV Baseball
Size:	Irregular 330' / 376' / 331'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

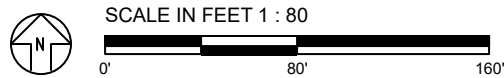
ILLUMINATION SUMMARY		
MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	52.93	31.88
Maximum:	62	45
Minimum:	38	20
Avg / Min:	1.40	1.57
Guaranteed Max / Min:	2	2.5
Max / Min:	1.63	2.23
UG (adjacent pts):	1.19	1.62
CU:	0.68	
No. of Points:	25	105
LUMINAIRE INFORMATION		
Applied Circuits:	B	
No. of Luminaires:	58	
Total Load:	51.07 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.



ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

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

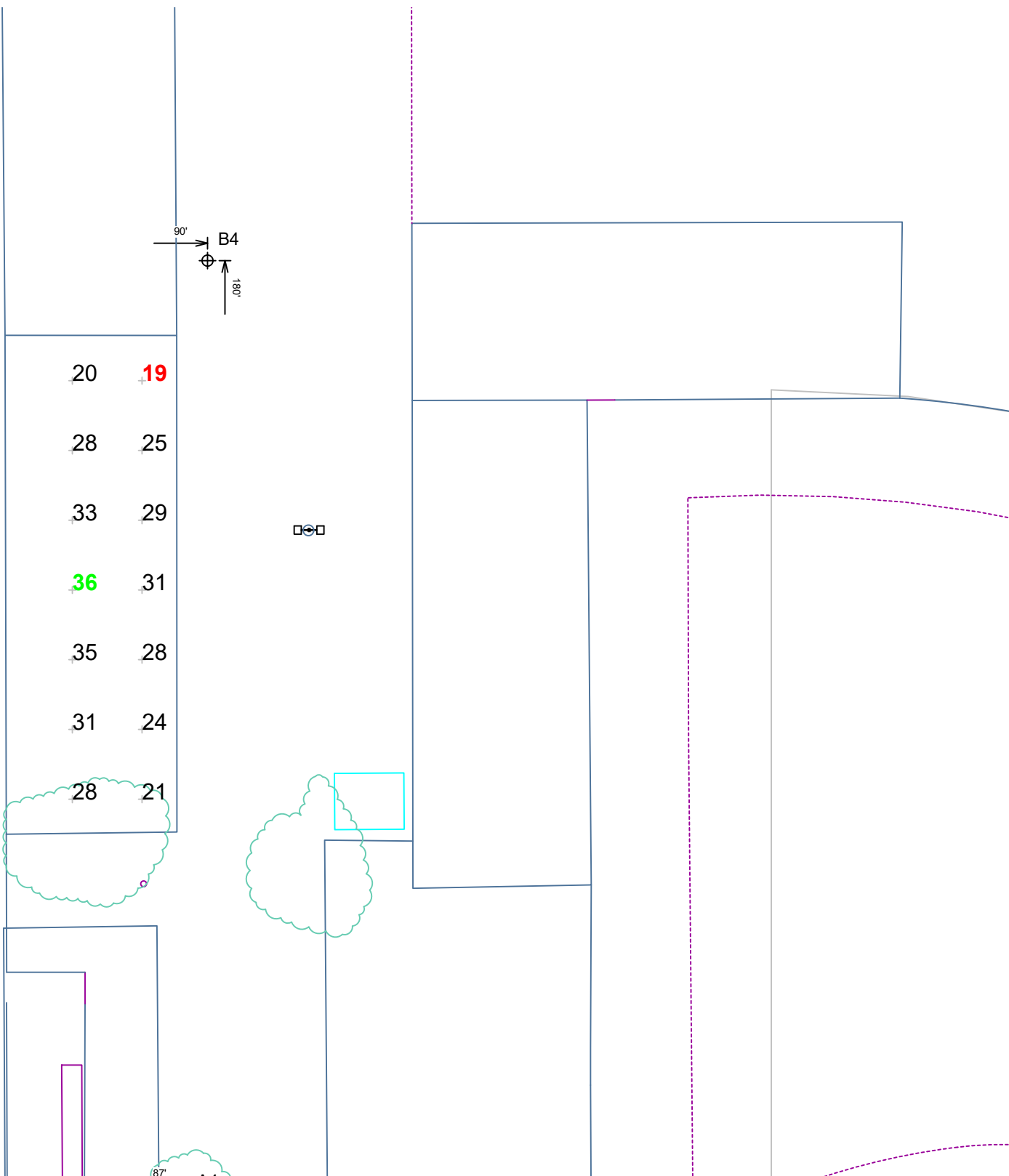
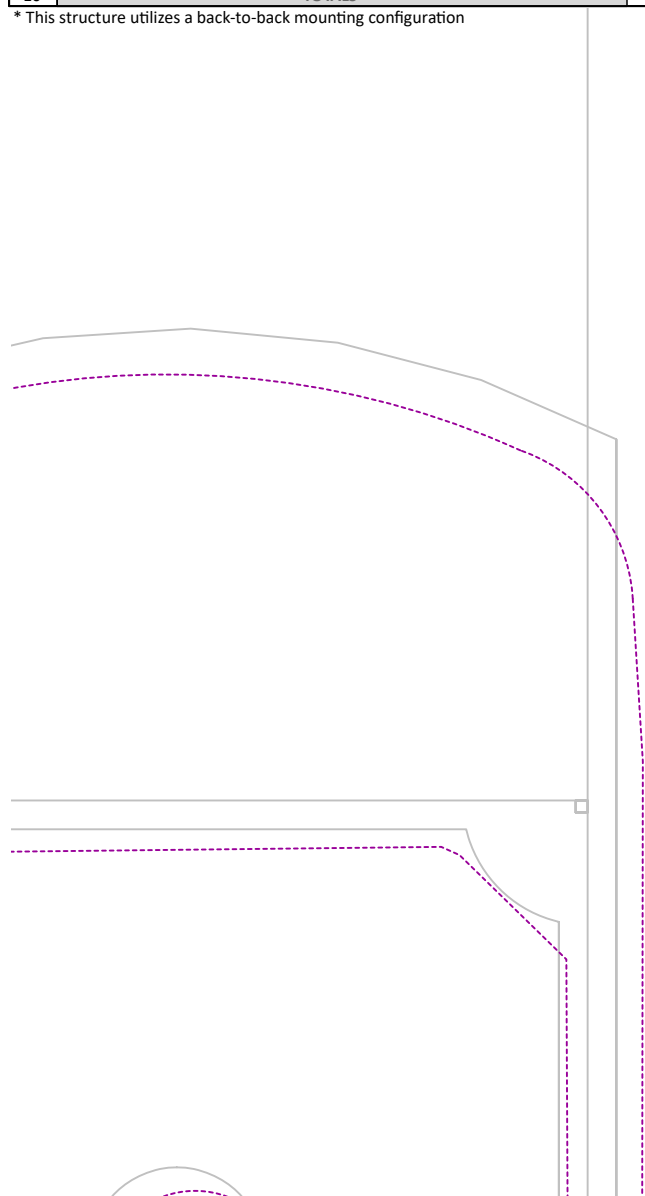


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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
1	A2	80'	-	15.5'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4/4*	4	4	
1	A4	80'	-	15.5'	TLC-LED-900	5*	0	5	
				15.5'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4	4		
1	B3	90'	-	90'	TLC-LED-550	3	3	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	1	1	0	
				90'	TLC-LED-1500	5	5	0	
1	B4	90'	-	90'	TLC-LED-900	3	3	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	1	1	0	
				90'	TLC-LED-1500	5	5	0	
2	C3-C4	60'	-	60'	TLC-LED-550	3	3	0	
1	D3	60'	-	15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	4	4	0	
1	D4	60'	-	60'	TLC-LED-550	2	2	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	2	2	0	
1	E3	60'	-	60'	TLC-LED-550	2	2	0	
				15.5'	TLC-BT-575	2	2	0	
				60'	TLC-LED-900	2	2	0	
1	E4	60'	-	60'	TLC-LED-550	1	1	0	
				15.5'	TLC-BT-575	2	2	0	
				60'	TLC-LED-900	3	3	0	
10	TOTALS					69	58	11	

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



GRID SUMMARY	
Name:	JV Baseball 1st Base Bullpen
Size:	Irregular 330' / 376' / 331'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

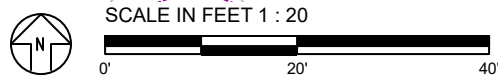
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	27.84
Maximum:	36
Minimum:	19
Avg / Min:	1.43
Max / Min:	1.87
UG (adjacent pts):	1.36
CU:	0.01
No. of Points:	14
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	58
Total Load:	51.07 kW

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.



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



EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
1	A2	80'	-	15.5'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4/4*	4	4	
1	A4	80'	-	15.5'	TLC-LED-900	5*	0	5	
				15.5'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4	4	0	
1	B3	90'	-	90'	TLC-LED-550	3	3	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	1	1	0	
				90'	TLC-LED-1500	5	5	0	
1	B4	90'	-	90'	TLC-LED-900	3	3	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	1	1	0	
				90'	TLC-LED-1500	5	5	0	
2	C3-C4	60'	-	60'	TLC-LED-550	3	3	0	
1	D3	60'	-	15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	4	4	0	
1	D4	60'	-	60'	TLC-LED-550	2	2	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	2	2	0	
1	E3	60'	-	60'	TLC-LED-550	2	2	0	
				15.5'	TLC-BT-575	2	2	0	
				60'	TLC-LED-900	2	2	0	
1	E4	60'	-	60'	TLC-LED-550	1	1	0	
				15.5'	TLC-BT-575	2	2	0	
				60'	TLC-LED-900	3	3	0	
10	TOTALS						69	58	11

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

GRID SUMMARY	
Name:	JV Baseball 3rd Base Bullpen
Size:	Irregular 330' / 376' / 331'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

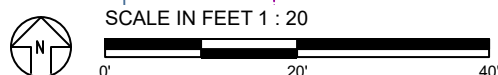
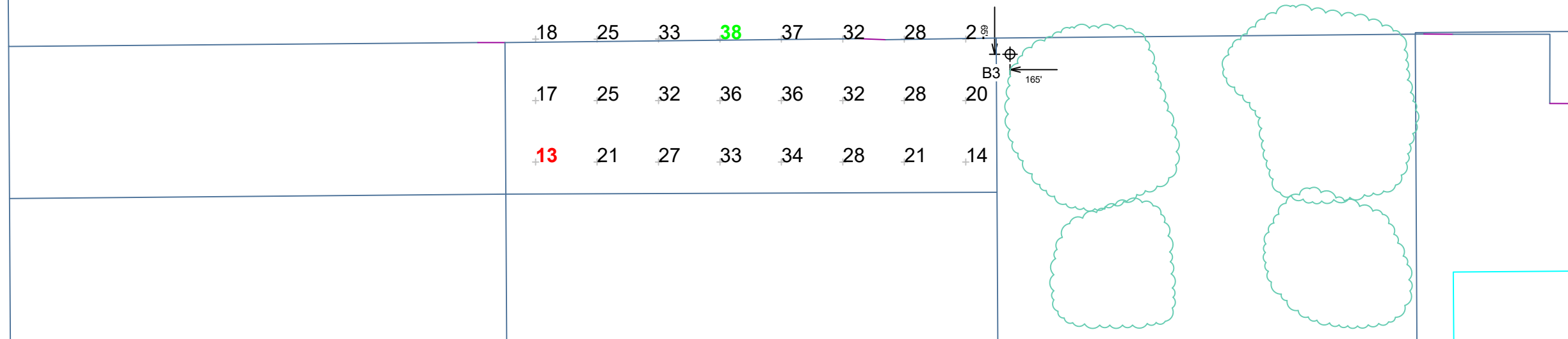
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	27.11
Maximum:	38
Minimum:	13
Avg / Min:	2.02
Max / Min:	2.83
UG (adjacent pts):	1.56
CU:	0.01
No. of Points:	24
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	58
Total Load:	51.07 kW

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.



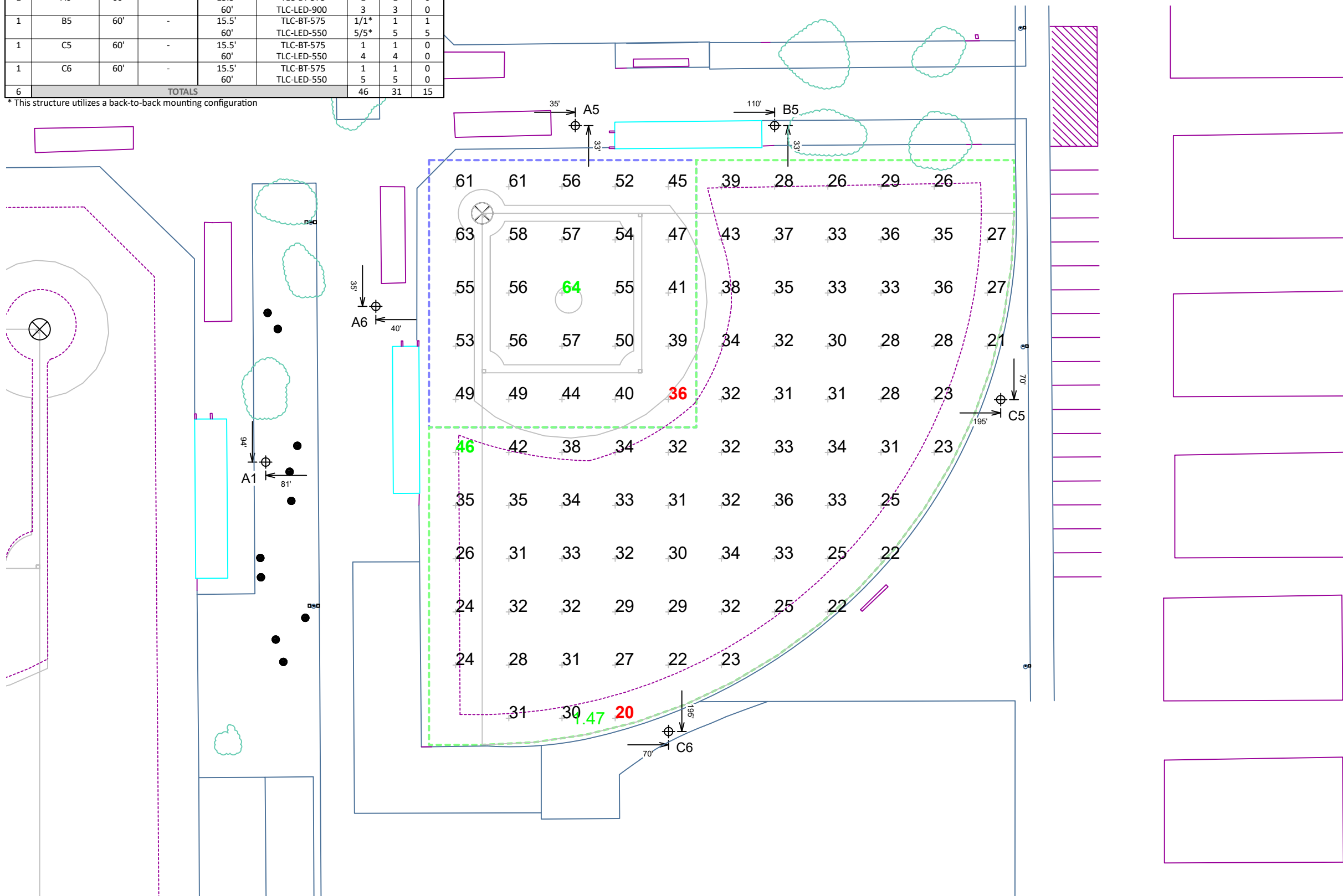
Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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EQUIPMENT LIST FOR AREAS SHOWN									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
1	A1	80'	0'	80'	TLC-LED-900	5*	5	0	
				15.54'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4	0	4	
1	A5	60'	-	15.5'	TLC-BT-575	1/1*	1	1	
				60'	TLC-LED-900	3/3*	3	3	
				15.5'	TLC-BT-575	1	1	0	
1	A6	60'	-	15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-900	3	3	0	
				15.5'	TLC-BT-575	1/1*	1	1	
1	B5	60'	-	15.5'	TLC-BT-575	1/1*	1	1	
				60'	TLC-LED-550	5/5*	5	5	
				15.5'	TLC-BT-575	1	1	0	
1	C5	60'	-	15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	4	4	0	
				15.5'	TLC-BT-575	1	1	0	
1	C6	60'	-	15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	5	5	0	
				60'	TLC-LED-550	5	5	0	
6	TOTALS					46	31	15	

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



GRID SUMMARY	
Name:	Varsity Softball
Size:	200'/200'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

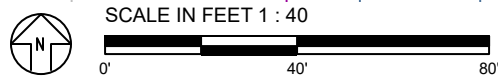
ILLUMINATION SUMMARY		
MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	51.94	30.71
Maximum:	64	46
Minimum:	36	20
Avg / Min:	1.44	1.52
Guaranteed Max / Min:	2	2.5
Max / Min:	1.77	2.26
UG (adjacent pts):	1.35	1.47
CU:	0.59	
No. of Points:	25	73
LUMINAIRE INFORMATION		
Applied Circuits:	C	
No. of Luminaires:	31	
Total Load:	20.69 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.

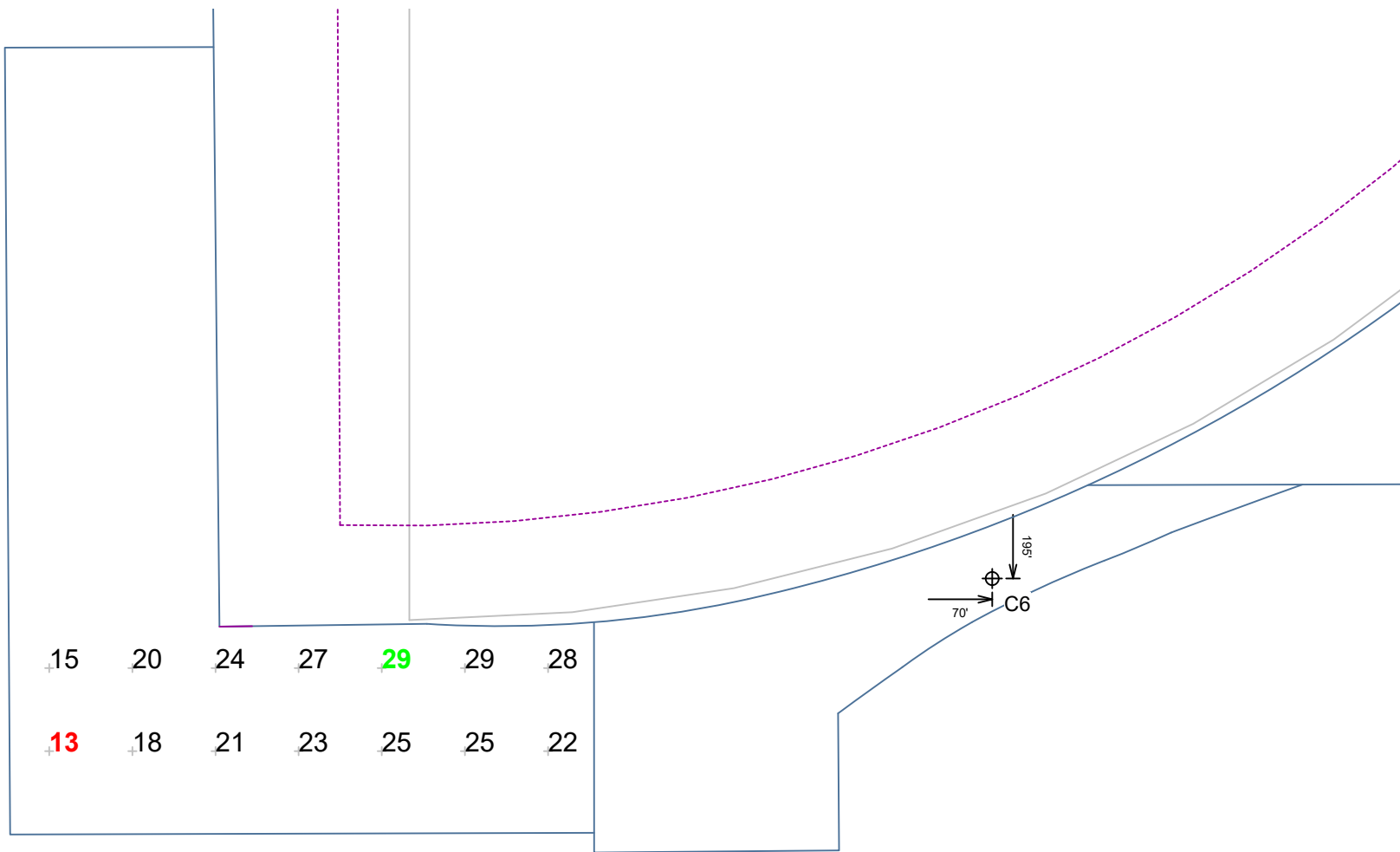
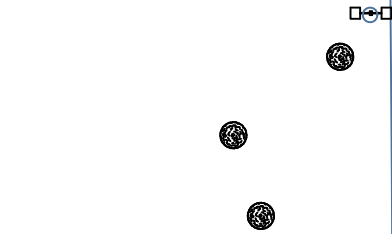


Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



EQUIPMENT LIST FOR AREAS SHOWN									
Pole			Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
1	A1	80'	0'	80'	TLC-LED-900	5*	5	0	
				15.54'	TLC-BT-575	1/1*	1	1	
				80'	TLC-LED-1500	4	0	4	
1	A5	60'	-	15.5'	TLC-BT-575	1/1*	1	1	
				60'	TLC-LED-900	3/3*	3	3	
				15.5'	TLC-BT-575	1	1	0	
1	A6	60'	-	60'	TLC-LED-900	3	3	0	
				15.5'	TLC-BT-575	1/1*	1	1	
				60'	TLC-LED-900	3	3	0	
1	B5	60'	-	15.5'	TLC-BT-575	1/1*	1	1	
				60'	TLC-LED-550	5/5*	5	5	
				15.5'	TLC-BT-575	1	1	0	
1	C5	60'	-	60'	TLC-LED-550	4	4	0	
				15.5'	TLC-BT-575	1	1	0	
				15.5'	TLC-BT-575	1	1	0	
1	C6	60'	-	60'	TLC-LED-550	5	5	0	
				15.5'	TLC-BT-575	1	1	0	
				60'	TLC-LED-550	5	5	0	
6	TOTALS						46	31	15

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



GRID SUMMARY	
Name:	Varsity Softball Bullpen
Size:	200'/200'/200' - basepath 60'
Spacing:	10.0' x 10.0'
Height:	0.0' above grade

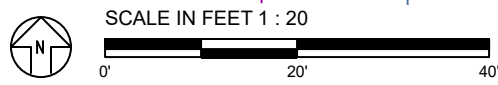
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	22.82
Maximum:	29
Minimum:	13
Avg / Min:	1.71
Max / Min:	2.20
UG (adjacent pts):	1.31
CU:	0.01
No. of Points:	14
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	31
Total Load:	20.69 kW

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.



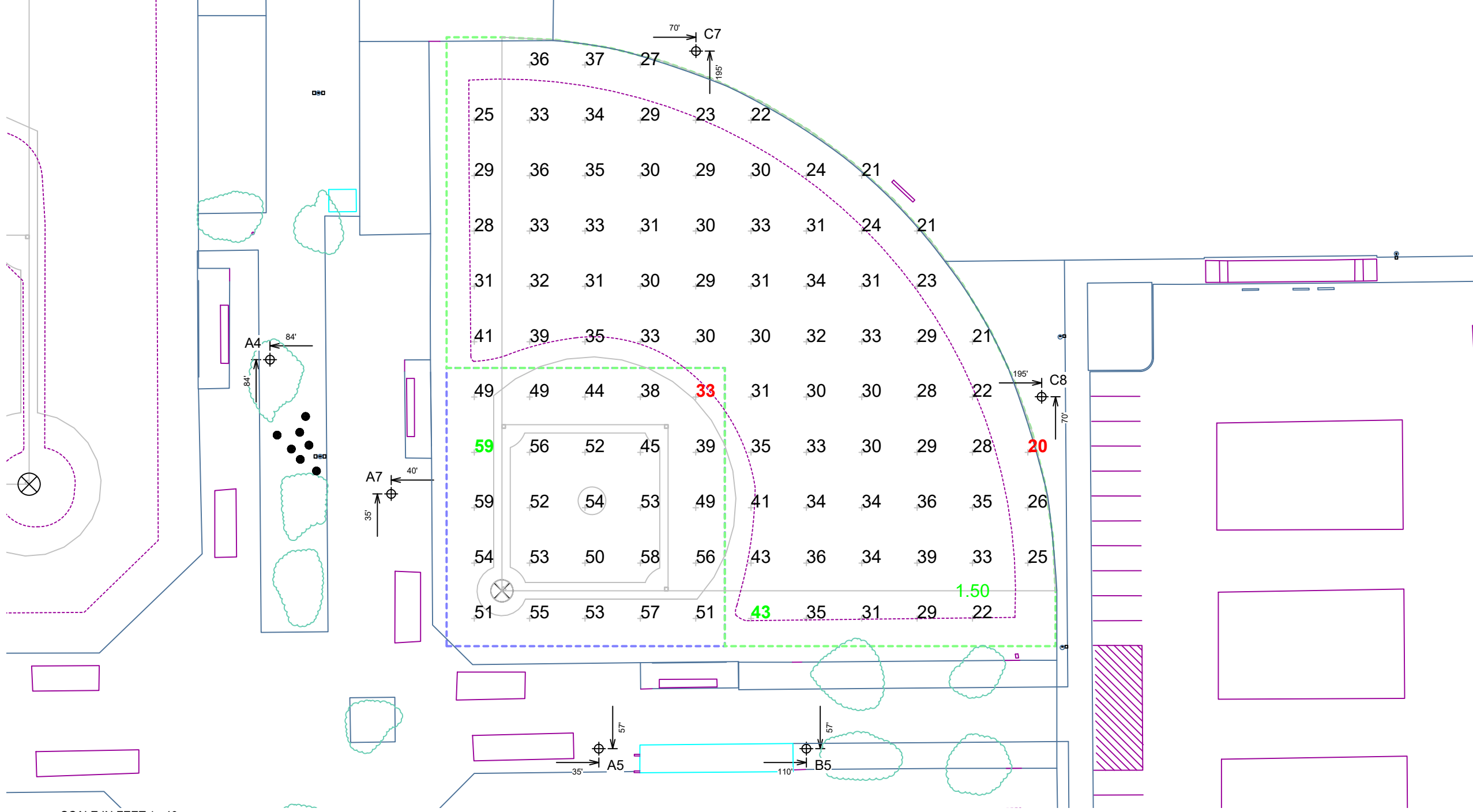
Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



EQUIPMENT LIST FOR AREAS SHOWN

Pole		Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A4	80'	-	80'	TLC-LED-900	5*	5	0
				15.5'	TLC-BT-575	1/1*	1	1
				80'	TLC-LED-1500	4	0	4
1	A5	60'	0'	15.46'	TLC-BT-575	1/1*	1	1
				60'	TLC-LED-900	3/3*	3	3
				15.5'	TLC-BT-575	1	1	0
1	A7	60'	-	60'	TLC-LED-900	3	3	0
				15.46'	TLC-BT-575	1/1*	1	1
				60'	TLC-LED-900	3	3	0
1	B5	60'	0'	15.46'	TLC-BT-575	1/1*	1	1
				60'	TLC-LED-550	5/5*	5	5
				15.5'	TLC-BT-575	1	1	0
1	C7	60'	-	60'	TLC-LED-550	4	4	0
				15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-900	1	1	0
1	C8	60'	-	15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-550	4	4	0
				60'	TLC-LED-550	4	4	0
6	TOTALS					46	31	15

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



Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA

GRID SUMMARY	
Name:	JV Softball
Size:	200'/200'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

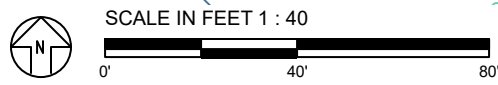
ILLUMINATION SUMMARY		
MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	50.58	30.81
Maximum:	59	43
Minimum:	33	20
Avg / Min:	1.52	1.54
Guaranteed Max / Min:	2	2.5
Max / Min:	1.76	2.15
UG (adjacent pts):	1.24	1.50
CU:	0.58	
No. of Points:	25	73
LUMINAIRE INFORMATION		
Applied Circuits:	D	
No. of Luminaires:	31	
Total Load:	21.03 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.



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



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ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN								
Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A4	80'	-	80'	TLC-LED-900	5*	5	0
				15.5'	TLC-BT-575	1/1*	1	1
				80'	TLC-LED-1500	4	0	4
1	A5	60'	0'	15.46'	TLC-BT-575	1/1*	1	1
				60'	TLC-LED-900	3/3*	3	3
1	A7	60'	-	15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-900	3	3	0
1	B5	60'	0'	15.46'	TLC-BT-575	1/1*	1	1
				60'	TLC-LED-550	5/5*	5	5
1	C7	60'	-	60'	TLC-LED-550	4	4	0
				15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-900	1	1	0
1	C8	60'	-	15.5'	TLC-BT-575	1	1	0
				60'	TLC-LED-550	4	4	0
6	TOTALS					46	31	15

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

GRID SUMMARY	
Name:	JV Softball Bullpen
Size:	200'/200'/200' - basepath 60'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

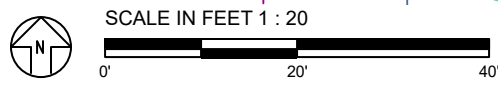
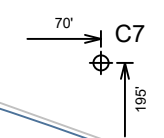
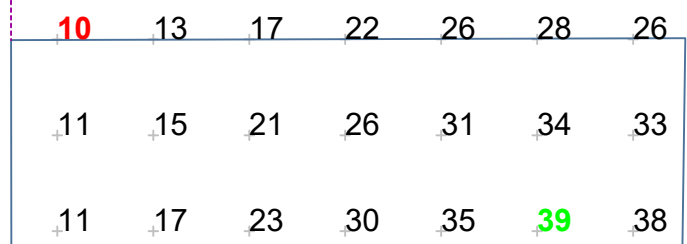
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	24.03
Maximum:	39
Minimum:	10
Avg / Min:	2.51
Max / Min:	4.03
UG (adjacent pts):	1.50
CU:	0.02
No. of Points:	21
LUMINAIRE INFORMATION	
Applied Circuits:	D
No. of Luminaires:	31
Total Load:	21.03 kW

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.



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



EQUIPMENT LIST FOR AREAS SHOWN

Pole		Luminaires						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S1	70'	-	70'	TLC-LED-1200	6/5*	11	0
1	S2	70'	3'	73'	TLC-LED-1200	6/5*	11	0
3	S3-S4, S8	70'	-	70'	TLC-LED-900	6	6	0
1	S5	70'	3'	73'	TLC-LED-1200	5	5	0
1	S6	80'	5'	85'	TLC-LED-1200	5	5	0
TOTALS						50	50	0

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

Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA

GRID SUMMARY	
Name:	Soccer 1
Size:	340' x 175'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

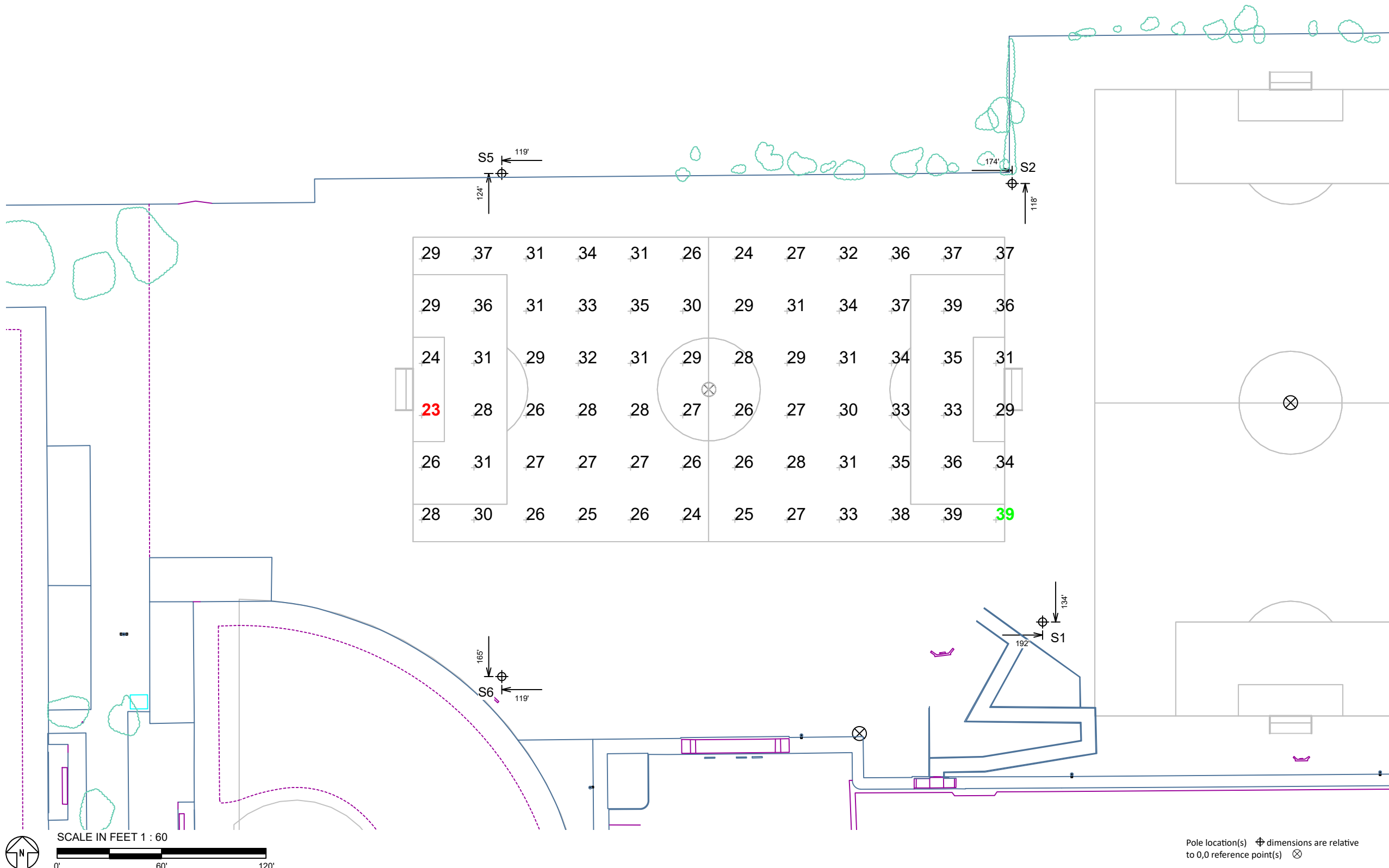
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	30
Scan Average:	30.54
Maximum:	39
Minimum:	23
Avg / Min:	1.34
Guaranteed Max / Min:	2.5
Max / Min:	1.74
UG (adjacent pts):	1.28
CU:	0.29
No. of Points:	72
LUMINAIRE INFORMATION	
Applied Circuits:	F
No. of Luminaires:	50
Total Load:	53.28 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

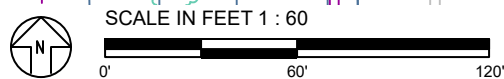
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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.



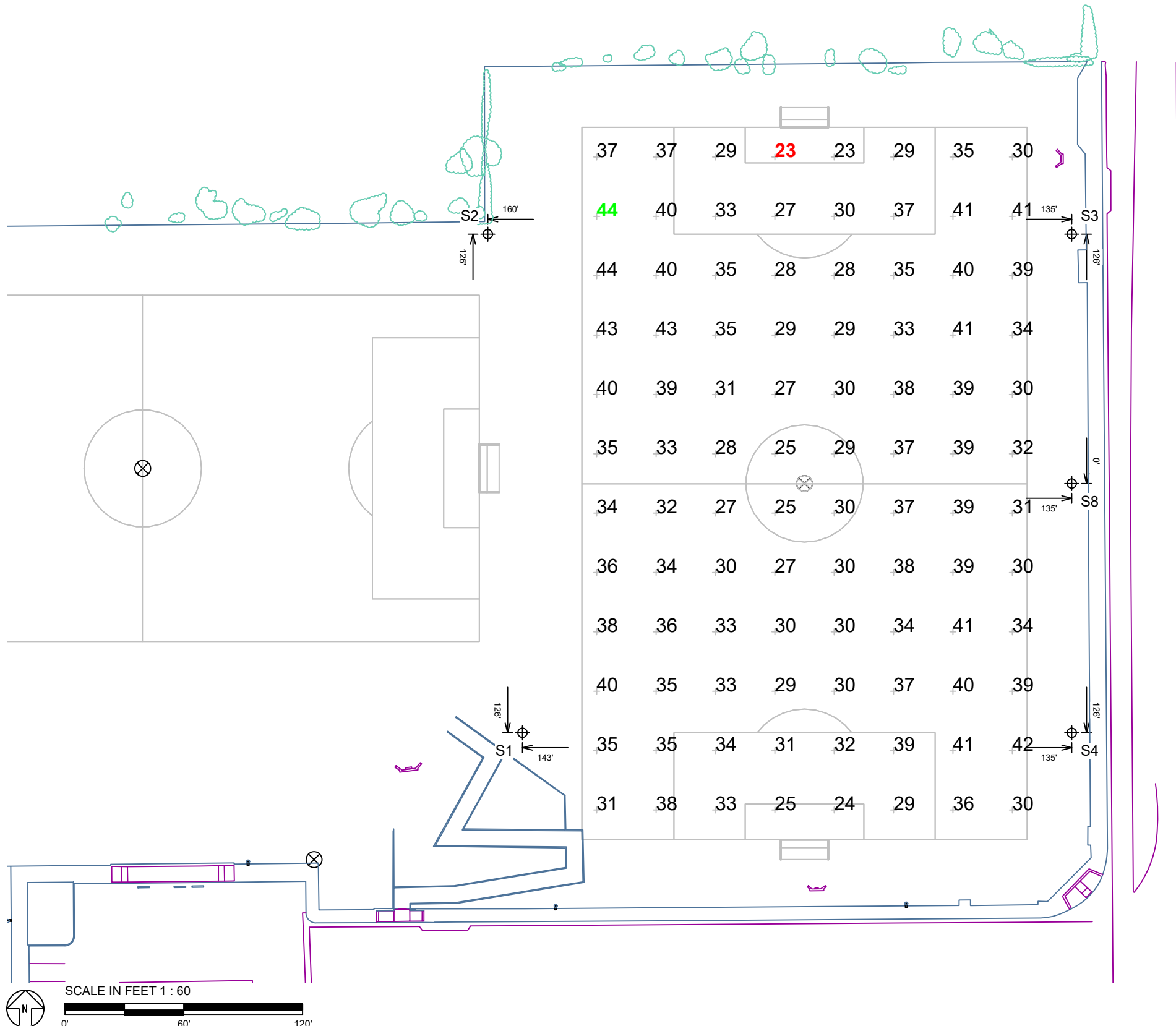
Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



EQUIPMENT LIST FOR AREAS SHOWN

Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S1	70'	-	70'	TLC-LED-1200	6/5*	11	0
1	S2	70'	3'	73'	TLC-LED-1200	6/5*	11	0
3	S3-S4, S8	70'	-	70'	TLC-LED-900	6	6	0
1	S5	70'	3'	73'	TLC-LED-1200	5	5	0
1	S6	80'	5'	85'	TLC-LED-1200	5	5	0
TOTALS						50	50	0

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



Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA

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

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	30
Scan Average:	33.96
Maximum:	44
Minimum:	23
Avg / Min:	1.50
Guaranteed Max / Min:	2.5
Max / Min:	1.94
UG (adjacent pts):	1.37
CU:	0.44
No. of Points:	96
LUMINAIRE INFORMATION	
Applied Circuits:	F
No. of Luminaires:	50
Total Load:	53.28 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.



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

EQUIPMENT LIST FOR AREAS SHOWN

Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	S1	70'	0'	70'	TLC-LED-1200	6/5*	11	0
1	S2	70'	3'	73'	TLC-LED-1200	6/5*	11	0
3	S3-S4, S8	70'	0'	70'	TLC-LED-900	6	6	0
1	S5	70'	3'	73'	TLC-LED-1200	5	5	0
1	S6	80'	5'	85'	TLC-LED-1200	5	5	0
TOTALS						50	50	0

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

Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA

GRID SUMMARY	
Name:	Practice North
Size:	0' x 0'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

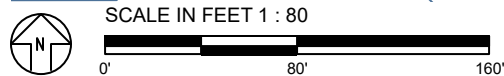
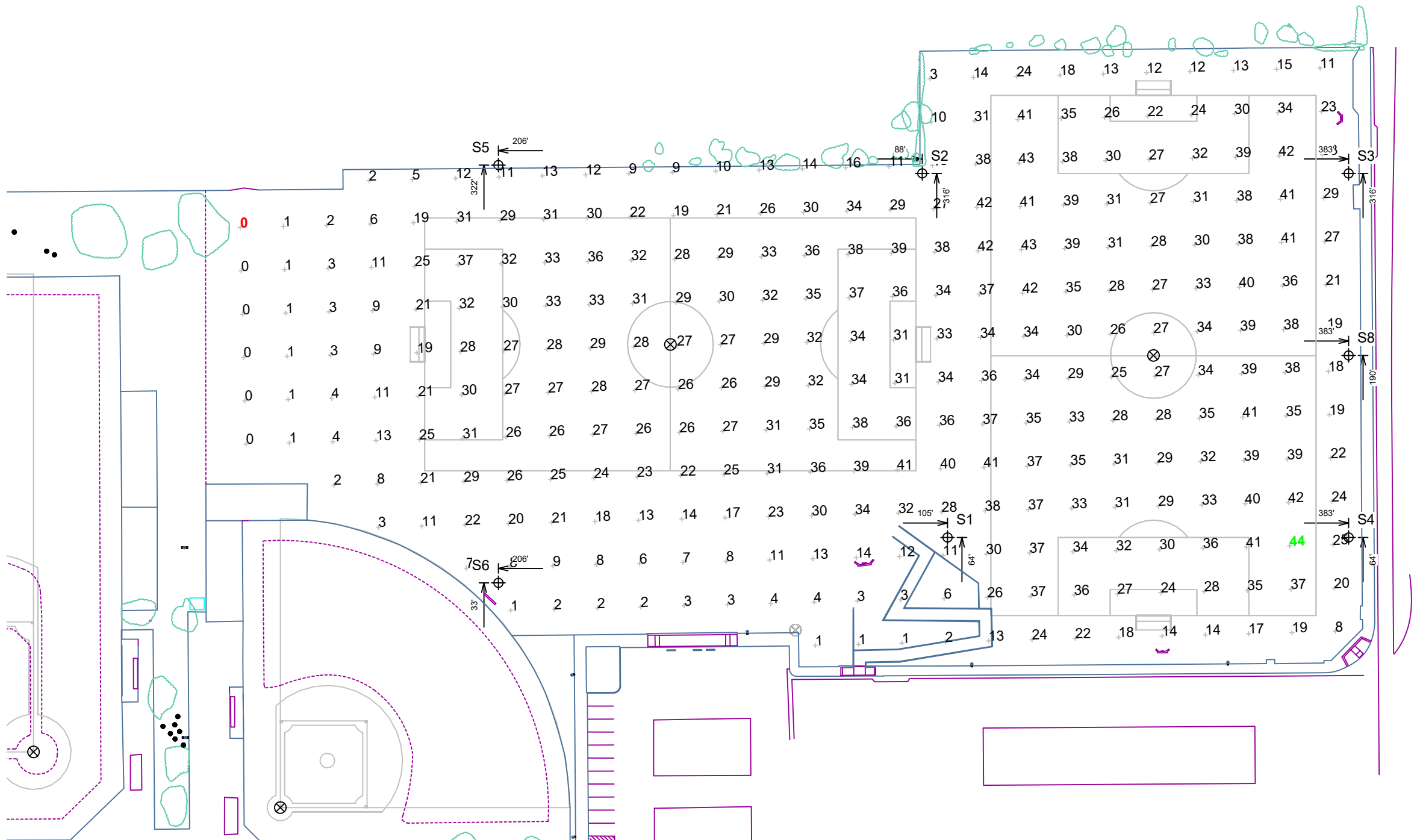
ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	24.21
Maximum:	44
Minimum:	0
Avg / Min:	162.38
Max / Min:	295.44
UG (adjacent pts):	6.50
CU:	0.97
No. of Points:	300
LUMINAIRE INFORMATION	
Applied Circuits:	F
No. of Luminaires:	50
Total Load:	53.28 kW

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.



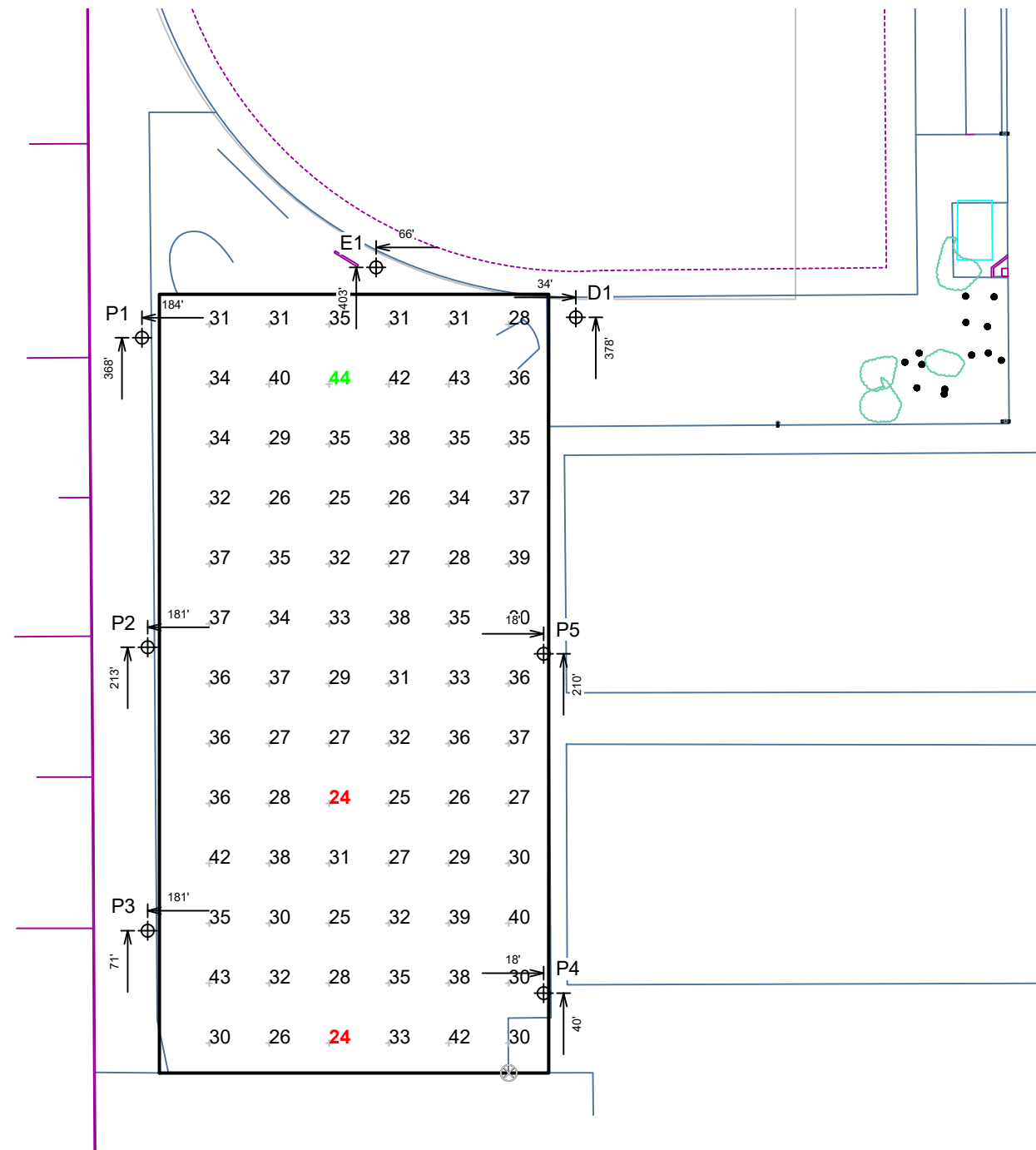
Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



EQUIPMENT LIST FOR AREAS SHOWN

Pole		Luminaires							
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
1	D1	60'	-	60'	TLC-LED-550	2	0	2	
				60'	TLC-LED-1200	1*	1	0	
				15.5'	TLC-BT-575	1	0	1	
				60'	TLC-LED-900	2/1*	1	2	
1	E1	60'	-	60'	TLC-LED-550	2/1*	1	2	
				60'	TLC-LED-1200	1*	1	0	
				15.5'	TLC-BT-575	2	0	2	
				60'	TLC-LED-900	2/2*	2	2	
1	P1	50'	-	50'	TLC-LED-550	1	1	0	
				50'	TLC-LED-900	2	2	0	
3	P2, P4-P5	50'	-	50'	TLC-LED-900	2	2	0	
				50'	TLC-LED-1200	2	2	0	
1	P3	50'	-	50'	TLC-LED-900	3	3	0	
				50'	TLC-LED-1200	1	1	0	
7	TOTALS						36	25	11

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



Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA

GRID SUMMARY	
Name:	Practice South
Size:	195' x 390'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	32.92
Maximum:	44
Minimum:	24
Avg / Min:	1.36
Max / Min:	1.84
UG (adjacent pts):	1.46
CU:	0.82
No. of Points:	78

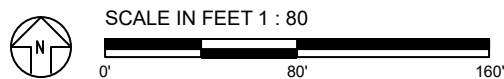
LUMINAIRE INFORMATION	
Applied Circuits:	E
No. of Luminaires:	25
Total Load:	23.93 kW

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.

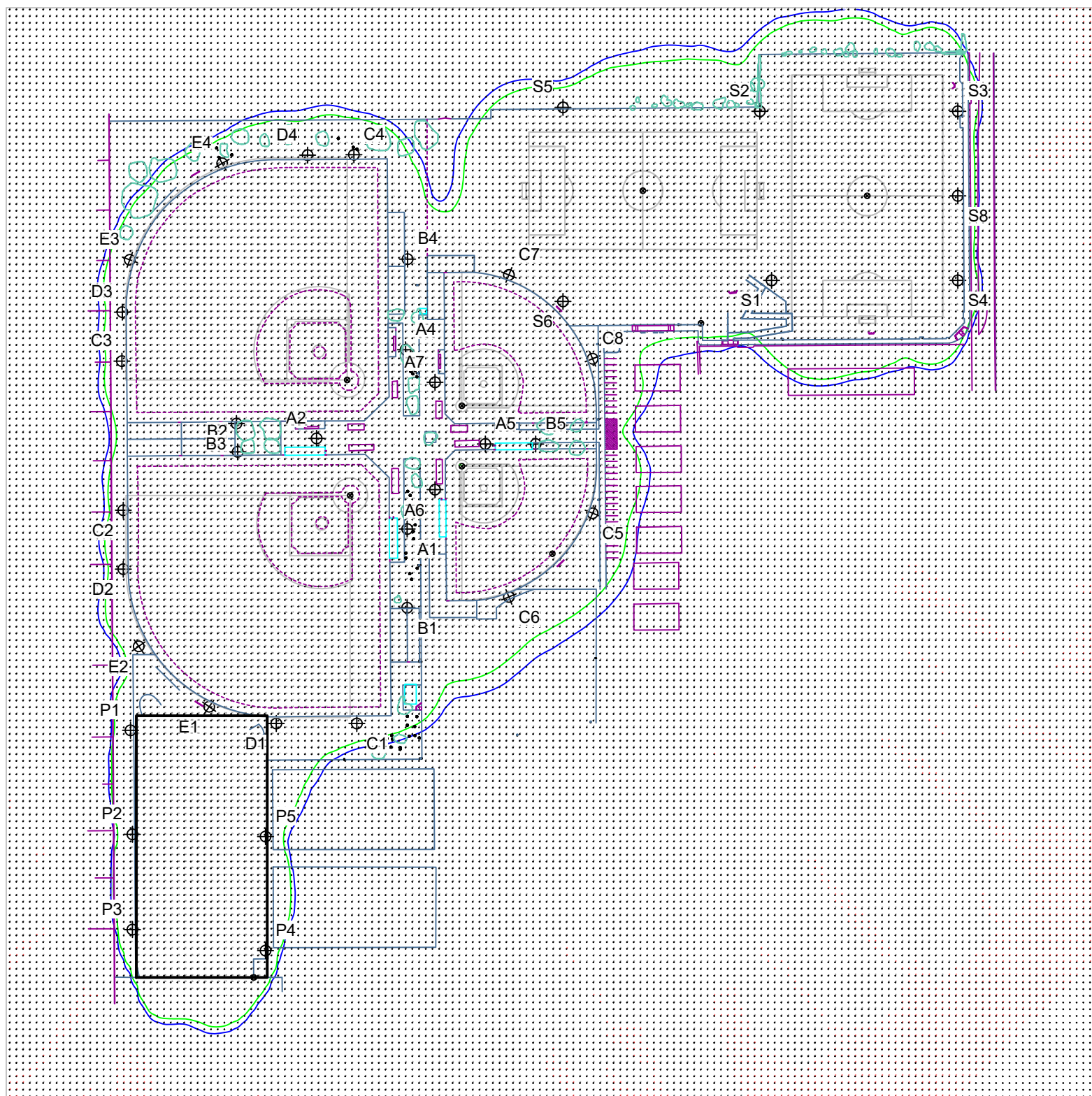
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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



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





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

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
	Entire Grid
Scan Average:	11.88
Maximum:	84
Minimum:	0
Avg / Min:	-
Max / Min:	-
UG (adjacent pts):	118.94
CU:	0.93
No. of Points:	26569
LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D, E, F
No. of Luminaires:	253
Total Load:	221.41 kW

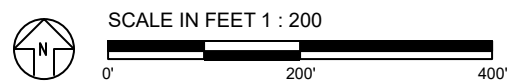
Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

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.

NOTES: Contour lines indicate cutoff of horizontal light at 1.0 (green) and 0.5 (blue) footcandles as measured 3' above field grade.



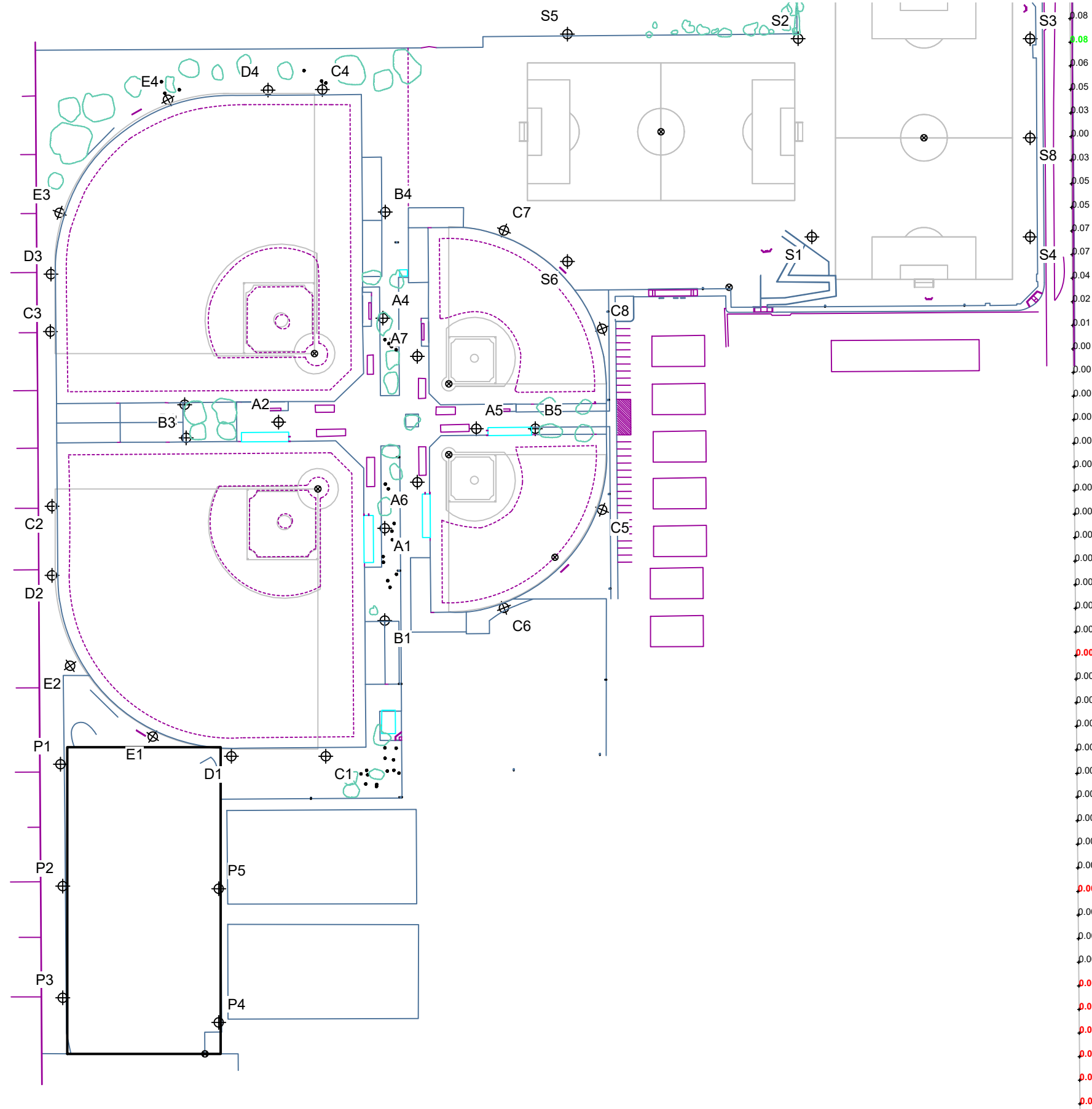
ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

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



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Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA



GRID SUMMARY	
Name:	Rattler Rd Spill
Spacing:	30.0'
Height:	3.0' above grade

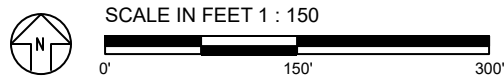
ILLUMINATION SUMMARY	
HORIZONTAL FOOTCANDLES	
Scan Average:	Entire Grid 0.0135
Maximum:	0.08
Minimum:	0.00
No. of Points:	54
LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D, E, F
No. of Luminaires:	253
Total Load:	221.41 kW

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.



ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

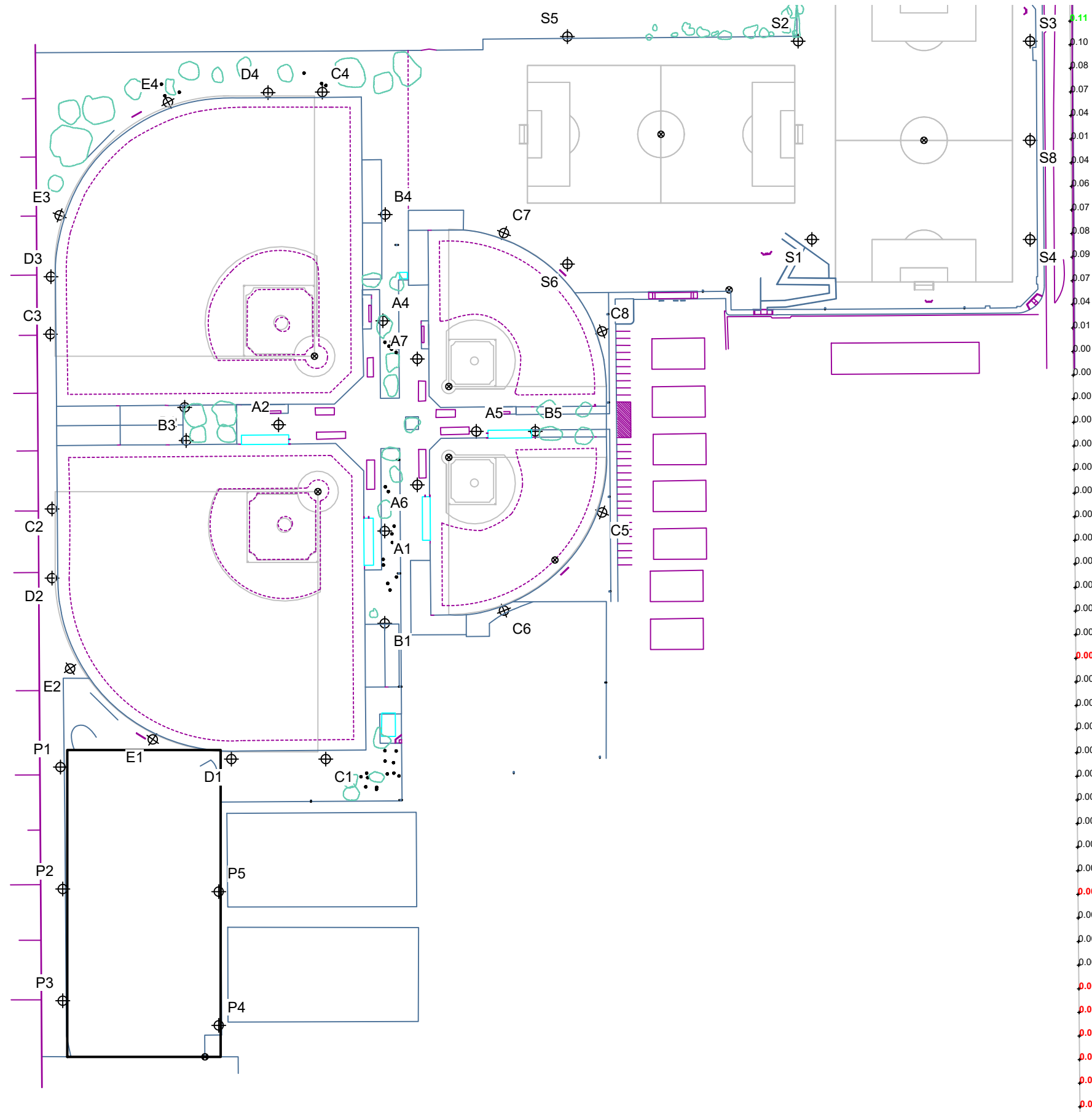
Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA



GRID SUMMARY	
Name:	Rattler Rd Spill
Spacing:	30.0'
Height:	3.0' above grade

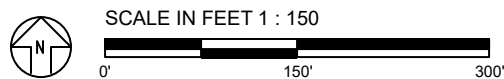
ILLUMINATION SUMMARY	
MAX VERTICAL FOOTCANDLES	
Scan Average:	Entire Grid 0.0198
Maximum:	0.11
Minimum:	0.00
No. of Points:	54
LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D, E, F
No. of Luminaires:	253
Total Load:	221.41 kW

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.



ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

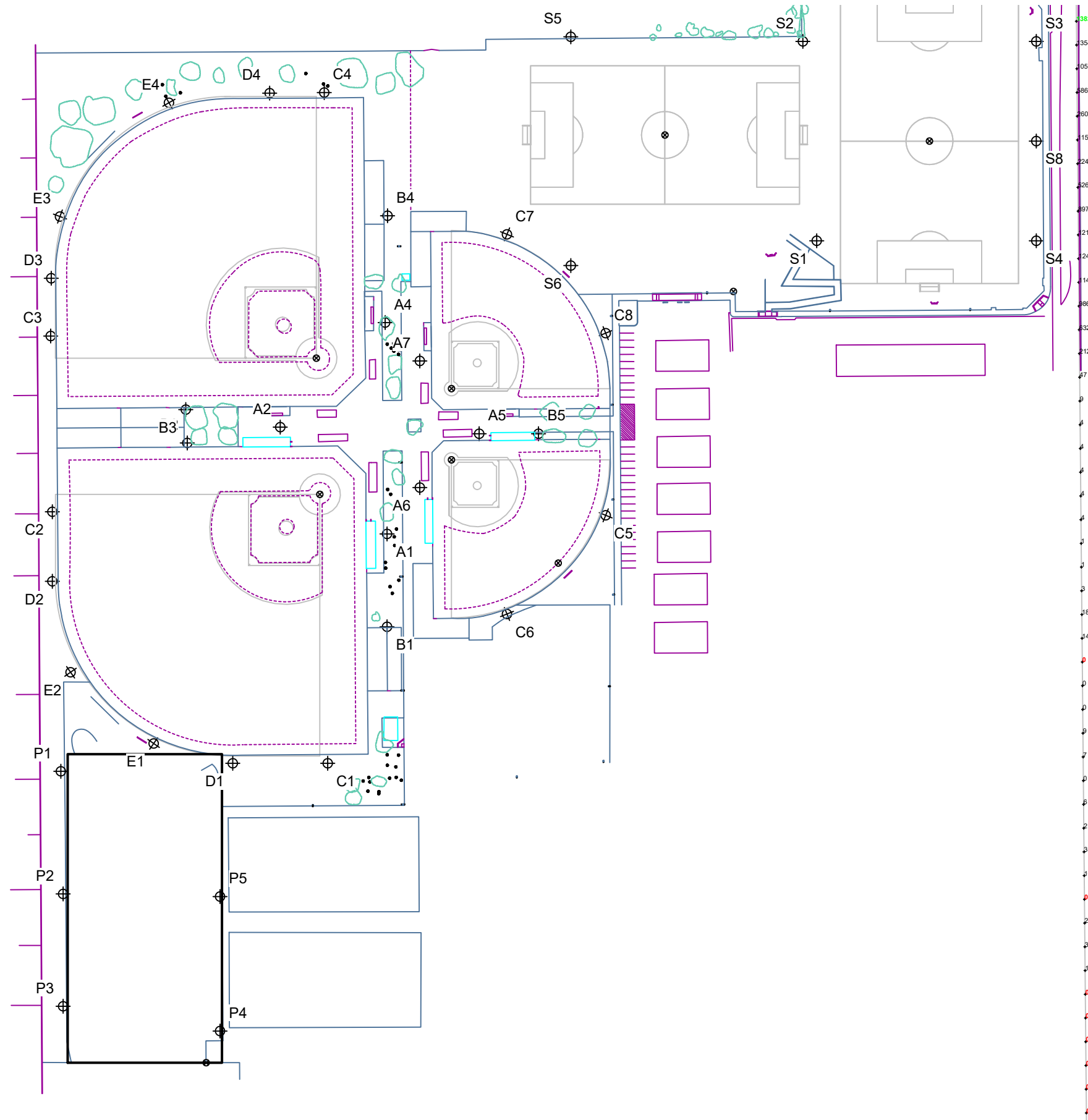
Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA



GRID SUMMARY	
Name:	Rattler Rd Spill
Spacing:	30.0'
Height:	3.0' above grade

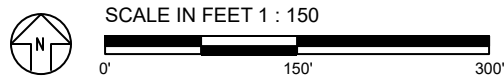
ILLUMINATION SUMMARY	
CANDELA (PER FIXTURE)	
Scan Average:	Entire Grid 288.6837
Maximum:	1382.38
Minimum:	0.00
No. of Points:	54
LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D, E, F
No. of Luminaires:	253
Total Load:	221.41 kW

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.



ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

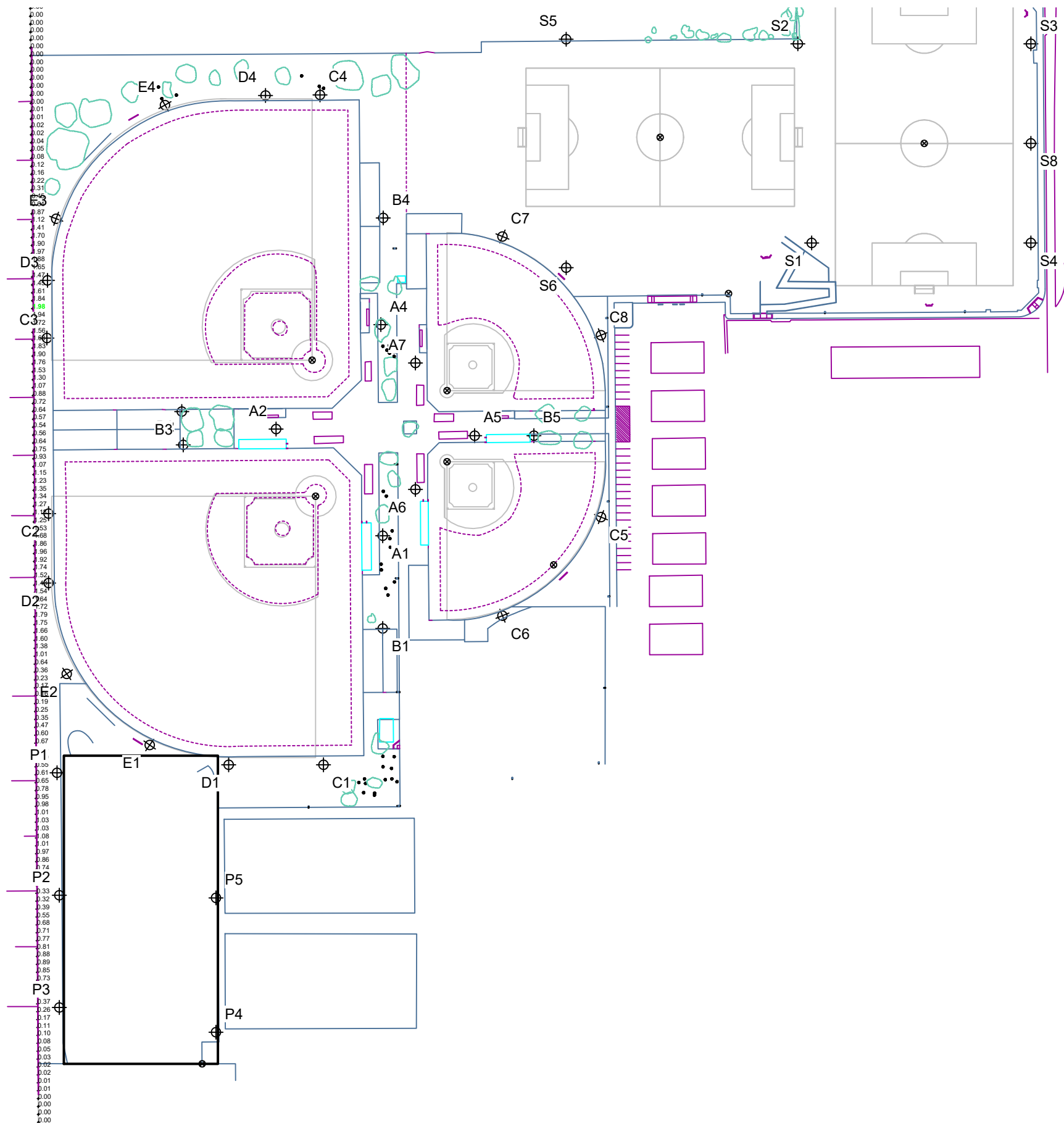
Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA



GRID SUMMARY	
Name:	West Property Line Spill
Spacing:	10.0'
Height:	3.0' above grade

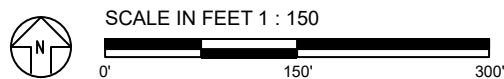
ILLUMINATION SUMMARY	
HORIZONTAL FOOTCANDLES	
Scan Average:	Entire Grid 0.7505
Maximum:	1.98
Minimum:	0.00
No. of Points:	149
LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D, E, F
No. of Luminaires:	253
Total Load:	221.41 kW

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.



ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

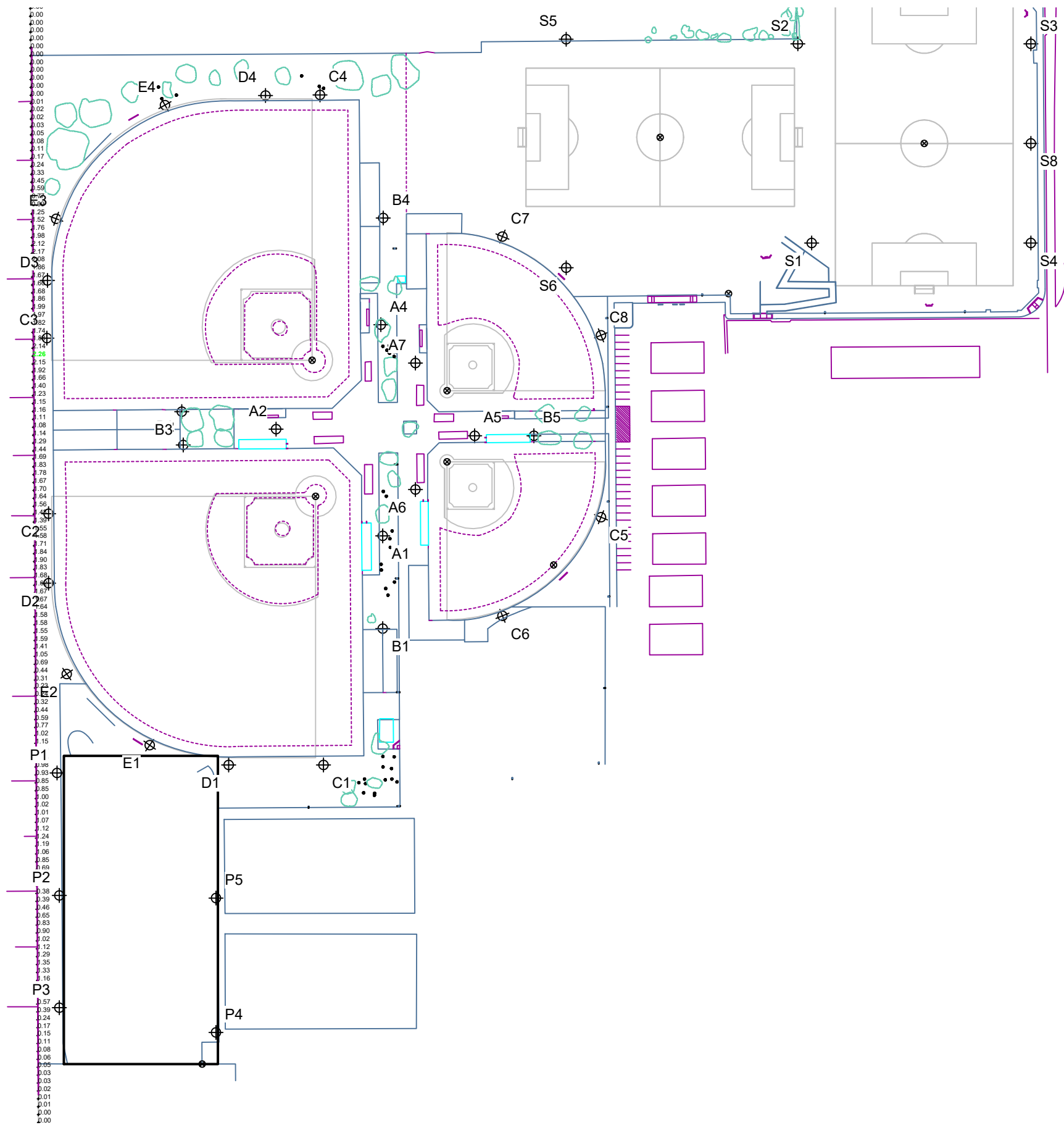
Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA



GRID SUMMARY	
Name:	West Property Line Spill
Spacing:	10.0'
Height:	3.0' above grade

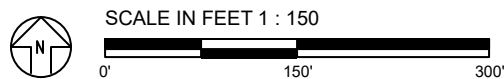
ILLUMINATION SUMMARY	
MAX VERTICAL FOOTCANDLES	
Scan Average:	Entire Grid 0.9139
Maximum:	2.26
Minimum:	0.00
No. of Points:	149
LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D, E, F
No. of Luminaires:	253
Total Load:	221.41 kW

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.



ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

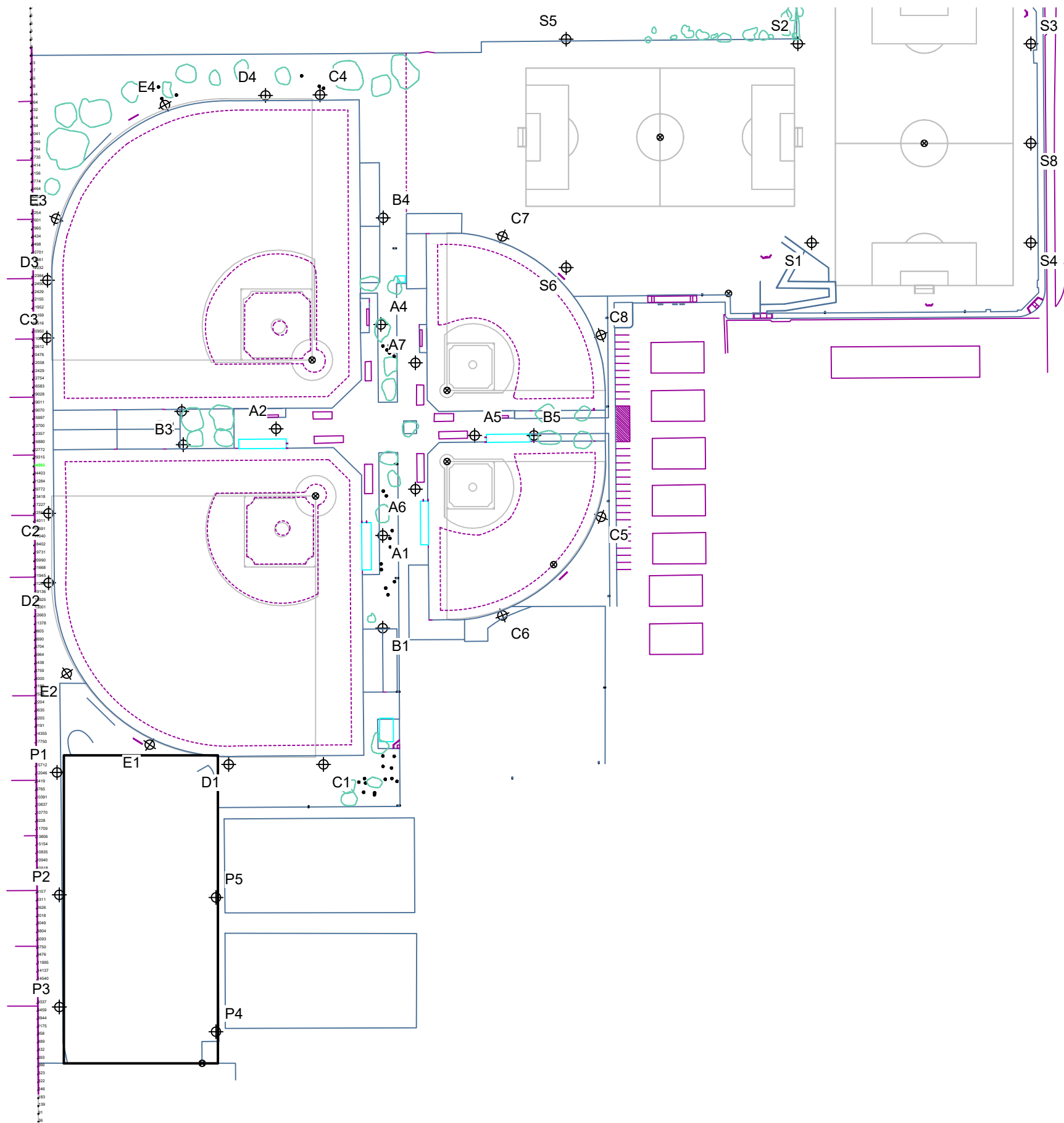
Pole location(s) Ⓢ dimensions are relative to 0,0 reference point(s) ⊗



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ILLUMINATION SUMMARY

Rancho Mirage High School LED Field Lighting
Rancho Mirage, CA



GRID SUMMARY	
Name:	West Property Line Spill
Spacing:	10.0'
Height:	3.0' above grade

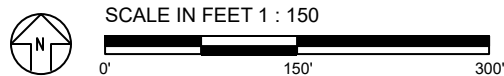
ILLUMINATION SUMMARY	
CANDELA (PER FIXTURE)	
Scan Average:	Entire Grid 9030.1553
Maximum:	34592.89
Minimum:	0.14
No. of Points:	149
LUMINAIRE INFORMATION	
Applied Circuits:	A, B, C, D, E, F
No. of Luminaires:	253
Total Load:	221.41 kW

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.



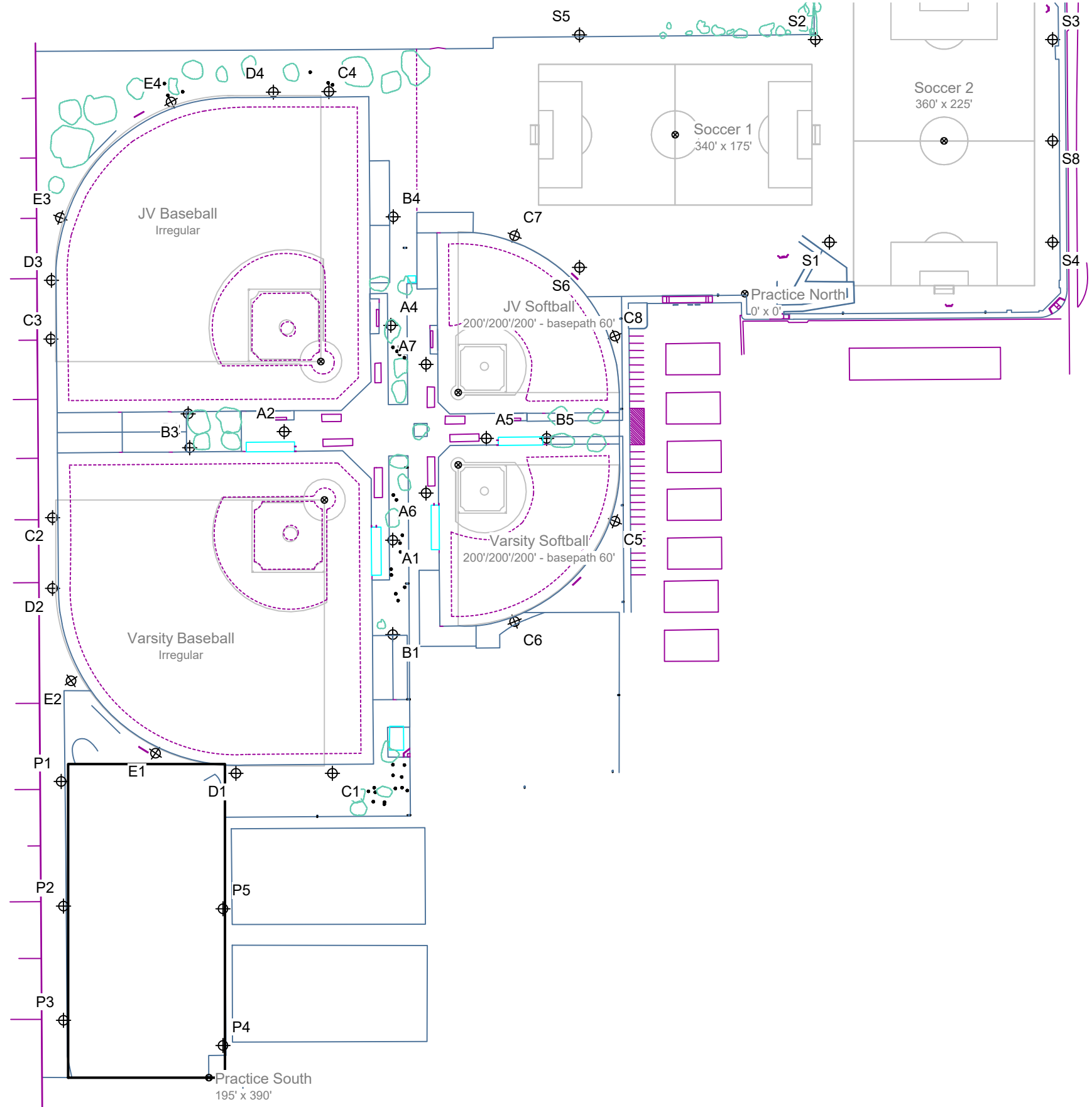
ENGINEERED DESIGN By: C.Hensley · File #223387C · 17-Apr-23

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



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ILLUMINATION SUMMARY



EQUIPMENT LAYOUT

INCLUDES:

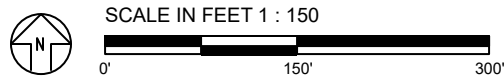
- JV Baseball
- JV Softball
- Practice North
- Practice South
- Soccer 1
- Soccer 2
- Varsity Baseball
- Varsity Softball

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

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

EQUIPMENT LIST FOR AREAS SHOWN

QTY	LOCATION	Pole SIZE	GRADE ELEVATION	Luminaires		
				MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE
2	A1, A4	80'	-	80'	TLC-LED-900	5*
				15.5'	TLC-BT-575	1/1*
1	A2	80'	-	80'	TLC-LED-1500	4
				15.5'	TLC-BT-575	1/1*
1	A5	60'	-	60'	TLC-LED-1500	4/4*
				15.5'	TLC-BT-575	1/1*
2	A6-A7	60'	-	60'	TLC-LED-900	3/3*
				15.5'	TLC-BT-575	1/1*
1	B1	90'	-	90'	TLC-LED-900	1
				90'	TLC-LED-550	2
2	B2-B3	90'	-	15.5'	TLC-BT-575	1
				60'	TLC-LED-900	1
1	B4	90'	-	90'	TLC-LED-550	3
				15.5'	TLC-BT-575	1
1	B5	60'	-	60'	TLC-LED-900	1
				90'	TLC-LED-550	1
1	C1	60'	-	90'	TLC-LED-900	5
				15.5'	TLC-BT-575	1
3	C2-C4	60'	-	60'	TLC-LED-550	3
				60'	TLC-LED-900	2
3	C5, C8	60'	-	60'	TLC-LED-550	4
				15.5'	TLC-BT-575	1
1	C6	60'	-	15.5'	TLC-BT-575	1
				60'	TLC-LED-550	5
1	C7	60'	-	60'	TLC-LED-550	4
				15.5'	TLC-BT-575	1
1	D1	60'	-	60'	TLC-LED-900	1
				60'	TLC-LED-550	2
1	D2	60'	-	60'	TLC-LED-1200	1*
				15.5'	TLC-BT-575	1
1	D4	60'	-	60'	TLC-LED-900	2/1*
				60'	TLC-LED-550	3
1	E1	60'	-	60'	TLC-LED-550	2
				60'	TLC-LED-1200	1*
1	E2	60'	-	15.5'	TLC-BT-575	2
				60'	TLC-LED-550	2
1	E3	60'	-	15.5'	TLC-BT-575	2
				60'	TLC-LED-900	2
1	E4	60'	-	60'	TLC-LED-550	1
				15.5'	TLC-BT-575	2
1	P1	50'	-	50'	TLC-LED-900	3
				50'	TLC-LED-1200	1
3	P2, P4-P5	50'	-	50'	TLC-LED-550	2
				50'	TLC-LED-900	2
1	P3	50'	-	50'	TLC-LED-900	3
				50'	TLC-LED-1200	1
1	S1	70'	-	70'	TLC-LED-900	6/5*
				70'	TLC-LED-1200	6/5*
3	S3-S4, S8	70'	-	70'	TLC-LED-900	6
				70'	TLC-LED-1200	5
1	S5	80'	5'	73'	TLC-LED-1200	5
				85'	TLC-LED-1200	5



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

Regulation 3511: Energy And Water Management

Status: ADOPTED

Original Adopted Date: 08/11/2015 | **Last Revised Date:** 12/10/2019 | **Last Reviewed Date:** 04/18/23

In the development of the district's energy and water resource management program, the Superintendent or designee shall analyze the efficiency and environmental impact of, and consider strategies for improving, the following district systems:

1. Lighting
2. Heating, ventilation, and air conditioning
3. Water heaters
4. Electrical equipment and appliances
5. Water use and irrigation, including drains, faucets, and pipes
6. Grounds management

In addition, the district's resource management program may include strategies to address the following:

1. Educational programs that focus on environmental literacy and incorporate the Next Generation Science Standards
2. Outdoor student facilities that are environmentally sustainable and include increased shaded areas to reduce playground temperatures
3. Classroom and building management and maintenance
4. Food services and food waste reduction
5. Landscaping practices, including establishing drought-tolerant habitats
6. Transportation services and maintenance
7. Inclusion of best practices for water management in new construction projects
8. Administrative operations that focus on cost reduction and conservation
9. Regular equipment maintenance and repair

Emergency Interruption of Services

The Superintendent or designee shall consult with local law enforcement, emergency personnel, and the county office of emergency services in the development of strategies to be implemented in the event of power outages or other emergency interruptions of utility services. The strategies shall prescribe a means of notifying appropriate agencies to ensure all utilities are properly restored after interruption.

The Superintendent or designee shall reopen schools and return to normal instructional activities as soon as safe operations can be resumed. If any school will be closed for an extended period of time, the district shall make alternative arrangements for students and staff so as not to interrupt the educational program.

The Superintendent or designee shall communicate with staff, students, and parents/guardians regarding any interruption of educational services due to utility service outages, including any necessary alternative arrangements and the date or time that normal operations of the school are expected to resume.

Energy Conservation and Building Management Guidelines

Responsibilities:

1. Every person is expected to be an "energy saver" and is expected to assist the district in conserving its resources.
2. The evening custodian is responsible for verification of the nighttime shutdown.
3. When possible, incorporate energy and resource conservation efforts into the normal curriculum; mathematics, science, earth science, etc., update and modify the curriculum as new methods and information become available.
4. Site administrators are active participants in their site's energy conservation efforts, and the site administrator's evaluation will include feedback to the site's resource conservation efforts in meeting the district's goals.

General Energy Management

1. All office machines (copy machines, laminating equipment, etc.) shall be turned off each night.
2. All computers should be turned off at the end of the day. This includes the monitor, local printer, and speakers. Network equipment is excluded. Where available, equipment shall be put in sleep mode after a period of inactivity. Power management features will be used on all office equipment.
3. Thermostats for hot water heaters will be set so water delivery temperature at sinks does not exceed 120 degrees F with exception of nutrition services which will be set to meet health code requirements.
4. Energy and water efficiency shall be incorporated for all new construction, deferred maintenance and modernization projects.
5. Personal beverage makers, hot plates, microwaves, toaster ovens, coffee pots and space heaters are prohibited in classrooms and offices. Food preparation appliances are permitted in common areas.
6. Personal refrigerators are permitted at the discretion of the site principal or site administrator, and where possible, consolidated in common areas.
7. Appliances shall be Energy Star compliant, or within 20 percent of Energy Star equivalency efficiency ratings.

8. Vending machines must be delamped and connected to a vending miser (or equivalent) device and/or equipped with motion sensors at all times. Vending machine contracts shall ensure that the vendor properly maintains the machine to include routine inspection and cleaning of the cooling fans and coils. Any addition of vending machines to schools and district sites must be approved by Cabinet.

Heating, Ventilation, Air Conditioning

1. In accordance with our goal of preserving our natural resources while maintaining a healthy, comfortable and productive environment for staff and students, the classroom and office temperatures should be maintained at 76 degrees for cooling and 68 degrees for heating. Variations from these set points will require approval by the Assistant Superintendent of Business Services on a case by case basis.
 - a. Normal fluctuations may occur in room temperatures due to cycling mechanical equipment, changes in occupancy and other environmental factors. These temperature fluctuations can typically range within +/-2 degrees of the set point.
2. The use of devices to manipulate the HVAC sensor into providing more cooling or heating can damage the sensors and the HVAC units; this equates to vandalism or the misuse and abuse of district resources and equipment. The school's principal or site administrator is accountable for ensuring vandalism does not occur.
3. When available, tiered cooling and heating setback temperatures for vacant areas will begin after 15 minutes and the second tier will begin after 45 minutes of vacancy.
4. On regular school days, classrooms and offices will be preheated / precooled so the room will be at set point when school starts.
5. Where possible, override buttons of one-hour increments of heating / cooling will be made available for classroom use outside of the normal schedule.
6. All exterior doors and windows shall remain closed while HVAC is operating.
7. A centralized Energy Management System (EMS) shall be utilized to program and control the HVAC and lighting operations throughout the district.
8. Exhaust fans shall be turned off during unoccupied hours.

Lighting

1. Lighting will be turned off in any area that is unoccupied, except for corridors, stairwells and exits as required by code, or where necessary to maintain an appropriate level of safety.
2. Site lighting shall be turned off from 11:00 pm until 5:00 am unless required and authorized for specific operational, academic, or sports activities. Where possible, site lighting will be dimmable with motion sensors.
3. Natural lighting shall be used where appropriate.
4. All outside lighting shall be off during daylight hours.
5. Night Custodians are to turn lights on in the areas in which they are actively working.

- Athletic fields, including football stadium lighting, will be turned off at times established by city lighting code, or by 10 pm, unless otherwise approved by the district administration. Lighting should only be on for approved school sports, band, cheer, or other school related or approved events, including graduation-related activities.

Landscape / Water Conservation

- Follow regulations and recommendations regarding water savings of respective water district and actively promote water conservation.
- Limit water run-off from District property by drainage onto adjacent properties or public or private roadways or streets due to excessive irrigation and/or neglect.
- Repair all broken irrigation lines and sprinklers within 24 hours of knowledge that a leak exists.
- Limit water use for rinsing down eating areas to maintain sanitary conditions. When possible, utilize water brooms, power washers or other water saving nozzles.
- Incorporate desert landscaping into all modernization and new construction projects and use turf prudently as required for physical education and athletic programs.
- Utilize "smart" irrigation controllers and/or weather stations that automatically take humidity and temperature into account to modify watering times.
- Interior water leaks are to be promptly repaired.

Policy Reference Disclaimer:

These references are not intended to be part of the policy itself, nor do they indicate the basis or authority for the board to enact this policy. Instead, they are provided as additional resources for those interested in the subject matter of the policy.

State	Description
23 CCR 2200	<u>Discharge permit fees</u>
23 CCR 490-495	<u>Model Water Efficient Landscape Ordinance</u>
Ed. Code 17213.1	<u>School sites</u>
Ed. Code 17280	Construction of school buildings
Ed. Code 35275	Coordination of new facilities with recreation and park authorities
Ed. Code 46392	Emergencies
Gov. Code 53097	Compliance with city or county ordinances
Pub. Res. Code 25410-25422	Energy conservation assistance
Wat. Code 13383	Compliance with the federal Water Pollution Control Act
Wat. Code 13383.5	Storm water discharge monitoring requirements
Wat. Code 189.3	Recommendations for best design and use practices
Federal	Description

33 USC 1342	National pollutant discharge elimination system
40 CFR 122.1-122.64	National pollutant discharge elimination system
Management Resources	Description
CA State Water Res. Control Board Pub.	Guidance for Design and Construction of Vegetated Low Impact Development Projects, 2016
California Department of Education Publication	Guidance for Stormwater and Dry Weather Runoff CAPTURE (California Practices to Use Runoff Effectively) at Schools, December 2018
California Department of Education Publication	Average Daily Attendance Credit During Periods of Emergency, Management Advisory 90-01, rev. February 10, 2005
California Department of Education Publication	A Blueprint for Environmental Literacy: Educating Every Student In, About, and For the Environment, 2015
U.S. Environmental Protection Agency Publication	National Management Measures to Control Nonpoint Source Pollution from Urban Areas, 2005
Website	<u>CSBA District and County Office of Education Legal Services</u>
Website	<u>California Department of Water Resources</u>
Website	<u>California Division of State Architect</u>
Website	<u>Green School Yards America</u>
Website	<u>Alliance to Save Energy</u>
Website	<u>California State Water Resources Control Board</u>
Website	<u>California Stormwater Quality Association</u>
Website	<u>Collaborative for High Performance Schools</u>
Website	<u>California Energy Commission</u>
Website	<u>U.S. Environmental Protection Agency</u>
Website	<u>CSBA</u>
Website	<u>California Department of Education, School Facilities</u>

Cross References

Code	Description
0200	<u>Goals For The School District</u>
0450	<u>Comprehensive Safety Plan</u>
0450	<u>Comprehensive Safety Plan</u>
0450-E PDF(1)	<u>Comprehensive Safety Plan</u>
1100	<u>Communication With The Public</u>
1100-E PDF(1)	<u>Communication With The Public</u>

1150	<u>Commendations And Awards</u>
1150	<u>Commendations And Awards</u>
1400	<u>Relations Between Other Governmental Agencies And The Schools</u>
3000	<u>Concepts And Roles</u>
3100	<u>Budget</u>
3100	<u>Budget</u>
3311	<u>Bids</u>
3311	<u>Bids</u>
3510	<u>Green School Operations</u>
3511.1	<u>Integrated Waste Management</u>
3511.1	<u>Integrated Waste Management</u>
3512	<u>Equipment</u>
3512-E PDF(1)	<u>Equipment</u>
3514	<u>Environmental Safety</u>
3514.2	<u>Integrated Pest Management</u>
3516	<u>Emergencies And Disaster Preparedness Plan</u>
3516.5	<u>Emergency Schedules</u>
3540	<u>Transportation</u>
3540	<u>Transportation</u>
3551	<u>Food Service Operations/Cafeteria Fund</u>
3551	<u>Food Service Operations/Cafeteria Fund</u>
6142.5	<u>Environmental Education</u>
6142.93	<u>Science Instruction</u>
7110	<u>Facilities Master Plan</u>
7111	<u>Evaluating Existing Buildings</u>



APPENDIX C

Air Quality and Greenhouse Gas Data

Rancho Mirage Field Lighting Custom Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
3. Construction Emissions Details
 - 3.1. Building Construction (2023) - Unmitigated
 - 3.3. Building Construction (2024) - Unmitigated
4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Rancho Mirage Field Lighting
Construction Start Date	10/2/2023
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.30
Precipitation (days)	10.0
Location	31001 Rattler Rd, Rancho Mirage, CA 92270, USA
County	Riverside-Salton Sea
City	Rancho Mirage
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5674
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.8

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
------------------	------	------	-------------	-----------------------	------------------------	--------------------------------	------------	-------------

High School	1,512	Student	4.60	200,583	0.00	0.00	—	—
-------------	-------	---------	------	---------	------	------	---	---

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.61	1.39	9.44	17.1	0.02	0.34	1.38	1.73	0.32	0.34	0.65	—	4,023	4,023	0.13	0.20	7.64	4,094
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.59	1.35	10.0	14.0	0.02	0.37	1.38	1.75	0.34	0.34	0.68	—	3,877	3,877	0.14	0.20	0.21	3,941
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.29	0.25	1.77	2.73	< 0.005	0.07	0.25	0.31	0.06	0.06	0.12	—	711	711	0.02	0.04	0.63	723
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.05	0.04	0.32	0.50	< 0.005	0.01	0.05	0.06	0.01	0.01	0.02	—	118	118	< 0.005	0.01	0.10	120

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.61	1.39	9.44	17.1	0.02	0.34	1.38	1.73	0.32	0.34	0.65	—	4,023	4,023	0.13	0.20	7.64	4,094
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.59	1.35	10.0	14.0	0.02	0.37	1.38	1.75	0.34	0.34	0.68	—	3,877	3,877	0.14	0.20	0.21	3,941
2024	1.52	1.26	9.56	13.4	0.02	0.34	1.38	1.73	0.32	0.34	0.65	—	3,833	3,833	0.13	0.20	0.20	3,896
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.29	0.25	1.77	2.73	< 0.005	0.07	0.24	0.31	0.06	0.06	0.12	—	704	704	0.02	0.04	0.63	716
2024	0.28	0.24	1.73	2.66	< 0.005	0.06	0.25	0.31	0.06	0.06	0.12	—	711	711	0.02	0.04	0.60	723
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.05	0.04	0.32	0.50	< 0.005	0.01	0.04	0.06	0.01	0.01	0.02	—	117	117	< 0.005	0.01	0.10	119
2024	0.05	0.04	0.32	0.48	< 0.005	0.01	0.05	0.06	0.01	0.01	0.02	—	118	118	< 0.005	0.01	0.10	120

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.00	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589	589	0.04	< 0.005	0.00	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.00	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589	589	0.04	< 0.005	0.00	591
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	0.00	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589	589	0.04	< 0.005	0.00	591
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.5	97.5	0.01	< 0.005	0.00	97.9

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	4.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	589	589	0.04	< 0.005	—	591
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589	589	0.04	< 0.005	0.00	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	4.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	589	589	0.04	< 0.005	—	591
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589	589	0.04	< 0.005	0.00	591
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Area	—	4.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	589	589	0.04	< 0.005	—	591
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	589	589	0.04	< 0.005	0.00	591
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	97.5	97.5	0.01	< 0.005	—	97.9
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.5	97.5	0.01	< 0.005	0.00	97.9

3. Construction Emissions Details

3.1. Building Construction (2023) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.09	0.91	8.13	7.96	0.02	0.36	—	0.36	0.33	—	0.33	—	1,686	1,686	0.07	0.01	—	1,692
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.45	1.42	< 0.005	0.06	—	0.06	0.06	—	0.06	—	300	300	0.01	< 0.005	—	301
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.26	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.7	49.7	< 0.005	< 0.005	—	49.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.40	0.59	5.44	0.00	0.00	1.10	1.10	0.00	0.26	0.26	—	1,117	1,117	0.05	0.04	0.14	1,131
Vendor	0.06	0.04	1.31	0.57	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	1,074	1,074	0.01	0.15	0.07	1,118
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.10	1.21	0.00	0.00	0.19	0.19	0.00	0.05	0.05	—	213	213	0.01	0.01	0.40	216
Vendor	0.01	0.01	0.23	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	191	191	< 0.005	0.03	0.22	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.22	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.2	35.2	< 0.005	< 0.005	0.07	35.7
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.7	31.7	< 0.005	< 0.005	0.04	33.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.81	7.89	0.02	0.33	—	0.33	0.30	—	0.30	—	1,686	1,686	0.07	0.01	—	1,692
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.81	7.89	0.02	0.33	—	0.33	0.30	—	0.30	—	1,686	1,686	0.07	0.01	—	1,692
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.42	1.44	< 0.005	0.06	—	0.06	0.05	—	0.05	—	307	307	0.01	< 0.005	—	308
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.8	50.8	< 0.005	< 0.005	—	51.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.47	0.48	8.70	0.00	0.00	1.10	1.10	0.00	0.26	0.26	—	1,279	1,279	0.05	0.04	4.77	1,297
Vendor	0.05	0.04	1.15	0.52	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	1,058	1,058	0.01	0.15	2.88	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.35	0.51	4.97	0.00	0.00	1.10	1.10	0.00	0.26	0.26	—	1,087	1,087	0.05	0.04	0.12	1,101
Vendor	0.05	0.04	1.24	0.53	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	1,059	1,059	0.01	0.15	0.07	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.09	1.12	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	212	212	0.01	0.01	0.37	214
Vendor	0.01	0.01	0.22	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	193	193	< 0.005	0.03	0.23	201
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.21	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.0	35.0	< 0.005	< 0.005	0.06	35.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.9	31.9	< 0.005	< 0.005	0.04	33.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—	—	589	589	0.04	< 0.005	—	591
Total	—	—	—	—	—	—	—	—	—	—	—	—	589	589	0.04	< 0.005	—	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—	—	589	589	0.04	< 0.005	—	591
Total	—	—	—	—	—	—	—	—	—	—	—	—	589	589	0.04	< 0.005	—	591
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—	—	97.5	97.5	0.01	< 0.005	—	97.9
Total	—	—	—	—	—	—	—	—	—	—	—	—	97.5	97.5	0.01	< 0.005	—	97.9

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	4.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	4.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	4.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	4.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

High School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
High School	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Building Construction	Building Construction	10/2/2023	4/2/2024	5.00	132	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56

Building Construction	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	—	—	—	—
Building Construction	Worker	84.2	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	32.9	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
High School	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
--	--	--	--	-----------------------------

0	0.00	0.00	0.00	—
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5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	0.00

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
High School	404,073	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
High School	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
High School	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	23.3	annual days of extreme heat
Extreme Precipitation	0.40	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.09	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A

Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	88.7
AQ-PM	6.29
AQ-DPM	42.2
Drinking Water	45.4
Lead Risk Housing	2.86
Pesticides	0.00
Toxic Releases	2.66
Traffic	75.4
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	22.1
Haz Waste Facilities/Generators	26.7
Impaired Water Bodies	0.00
Solid Waste	52.9

Sensitive Population	—
Asthma	17.9
Cardio-vascular	15.1
Low Birth Weights	0.35
Socioeconomic Factor Indicators	—
Education	21.7
Housing	51.4
Linguistic	12.3
Poverty	28.6
Unemployment	55.0

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	69.75490825
Employed	13.55062235
Median HI	79.18644938
Education	—
Bachelor's or higher	77.86475042
High school enrollment	10.47093545
Preschool enrollment	43.9753625
Transportation	—
Auto Access	76.73553189
Active commuting	13.58911844
Social	—
2-parent households	18.91441037

Voting	76.46605928
Neighborhood	—
Alcohol availability	93.43000128
Park access	10.50943154
Retail density	12.87052483
Supermarket access	24.17554215
Tree canopy	40.61337097
Housing	—
Homeownership	93.750802
Housing habitability	64.63492878
Low-inc homeowner severe housing cost burden	32.22122418
Low-inc renter severe housing cost burden	12.38290774
Uncrowded housing	91.95431798
Health Outcomes	—
Insured adults	75.63197742
Arthritis	0.0
Asthma ER Admissions	85.8
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	32.6
Cognitively Disabled	85.7
Physically Disabled	29.8
Heart Attack ER Admissions	79.9

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	65.7
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	97.9
Elderly	0.7
English Speaking	87.7
Foreign-born	25.4
Outdoor Workers	86.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	76.6
Traffic Density	47.3
Traffic Access	23.0
Other Indices	—
Hardship	23.1
Other Decision Support	—
2016 Voting	84.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	9.00
Healthy Places Index Score for Project Location (b)	51.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Specific construction schedule
Construction: Off-Road Equipment	Project specific equipment.
Operations: Architectural Coatings	Electricity only.
Operations: Landscape Equipment	Electricity only.
Operations: Energy Use	Project specific electricity usage.
Operations: Water and Waste Water	Electricity only.
Operations: Solid Waste	Electricity only.
Operations: Refrigerants	Electricity only.