APPENDIX A

Proposed Project Plans
CITY OF SACRAMENTO
DEPARTMENT OF YOUTH, PARKS & COMMUNITY ENRICHMENT
PARK PLANNING AND DEVELOPMENT SERVICES, LANDSCAPE ARCHITECTURE SECTION

CONSTRUCTION PLANS FOR:

RENFREE FIELD RENOVATION
DEL PASO REGIONAL PARK

ADDRESS: 3365 AUBURN BLVD, SACRAMENTO, CA 95821
PROJECT NUMBER: L19-3000-02
PARCEL NO.: 260-0342-011-0000
TOTAL AREA DISTURBED: 10.2ACRES

WDID:

GENERAL NOTES

1. COMBINATION OF CONTRACT DOCUMENTS REFER TO ADDENDA AND MEMORANDA.

2. TRAFFIC CONTROL REQUIREMENT REFER TO ARCADE CREEK SPECIFICATIONS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.

3. EXISTING FACILITIES REFER TO SECTION 6-1 LAWS, REGULATIONS REQUIREMENTS.

4. LOCATION AND PROTECTION OF EXISTING UTILITIES REFER TO SECTION 5-3 COORDINATION OF CONTRACT DOCUMENTS.

5. PERMANNENT MARKER MANDATORY REFER TO SECTION 5-4 RECORD DRAWINGS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.

6. LOCATION OF SUPPLEMENTARY WATER MONITORING REFER TO SECTION 5-5 MODIFICATIONS TO THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.

7. TRENCH SAFETY PLANS REFER TO SECTION 6-9 IN THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.

8. PROTECTION OF WORK PERSONS AND PROPERTY AGAINST DAMAGE OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.

9. RECORD DRAWINGS REFER TO SECTION 5-9 RECORD DRAWINGS OF THE STANDARD SPECIFICATIONS FOR REQUIREMENTS.

10. LEGS REGULATIONS REFER TO SECTION 4-1 LAWS, REGULATIONS SPECIFICATIONS OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR REQUIREMENTS.

RECOMMENDATIONS FOR TREATMENT SELECTED REFER TO CODE SECTION 5-6 HEALTH AND SAFETY CODE SECTION 5-6 PUBLIC RESOURCES CODE SECTION 5097 AND 5114.

IMMEDIATELY IF THE REMAINS ARE DETERMINED TO BE HUMAN BURIALS ENCOUNTERED IN THE AREA SHALL STOP IMMEDIATELY AND THE IDENTIFIED DESCENDANTS MUST BE NOTIFIED AND APPLICABLE CODES:

2016 CALIFORNIA BUILDING CODE (CBC) WITH CITY OF SACRAMENTO AMENDMENTS
2016 CALIFORNIA ELECTRICAL CODE (CEC)
2016 CALIFORNIA PLUMBING CODE (CPC)

APPROVED BY:

RAYMOND COSTANTINO, MANAGER PARK PLANNING & DEVELOPMENT SERVICES
JASON WIESEMMANN, SENIOR LANDSCAPE ARCHITECT

APPLICABLE CODES:
28 CA (CALIFORNIA BUILDING CODE) WITH CITY OF SACRAMENTO AMENDMENTS
29 CA (CALIFORNIA PLUMBING CODE)
30 CA (CALIFORNIA ELECTRICAL CODE)
DEMOLITION NOTES
1. All existing trees remaining in the project area shall be removed. The planting of new trees or the restoration of existing trees shall be at the discretion of the City. 
2. All existing trees remaining in the project area shall be marked with paint prior to the issuance of a demolition permit. 
3. All existing trees remaining in the project area shall be removed prior to the issuance of a demolition permit. 

TREE PROTECTION NOTES
1. All existing trees remaining in the project area shall be marked with paint prior to the issuance of a demolition permit. 
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UTILITY NOTE:
EXISTING UTILITIES SHOWN HEREIN ARE APPROXIMATE ONLY AND MAY NOT SHOW ALL EXISTING FACILITIES WITHIN THE PROJECT AREA. CONTRACTOR MUST FIELD VERIFY AND POE DING EXISTING UTILITIES WITHIN THE PROJECT AREA PRIOR TO BEGINNING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE PROTECTED IN PLACE DURING CONSTRUCTION.
UTILITY NOTE:
EXISTING UTILITIES SHOWN HEREIN ARE APPROXIMATE ONLY AND MAY NOT SHOW ALL EXISTING FACILITIES WITHIN THE PROJECT AREA. CONTRACTOR MUST FIELD VERIFY AND POTHOLE EXISTING UTILITIES WITHIN THE PROJECT AREA PRIOR TO BEGINNING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE PROTECTED IN PLACE DURING CONSTRUCTION.
Know what's below.
before you dig.
Call

DESIGN BY:

PRELIMINARY
NOT FOR CONSTRUCTION

OVERALL GRADING PLAN
C-02
Know what's below before you dig. Call R.
Know what's below. Before you dig. Call RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19-3000-02) DEPT. OF PARKS & RECREATION 915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814 LANDSCAPE ARCHITECTURE SECTION PARK PLANNING & DEVELOPMENT SERVICES CITY OF SACRAMENTO 05.01.2023 DESIGN BY: PRELIMINARY NOT FOR CONSTRUCTION WET UTILITY PLAN C-05
Know what's below before you dig. Call R

FINISHED GRADE

INTERMEDIATE BACKFILL

MORPHOLOGY (SLOPE) MATERIAL OR CEMENT EXTRACTED MATERIAL, 12" MAX., COMPACTED TO 90%

CAUTION TAPE PER TECHNICAL SPECIFICATION 2-2-04

TRACER WIRE PER EMBRIDGE STANDARD DETAIL NO. 4

REINFORCEMENT:

MORPHOLOGY (SLOPE) MATERIAL OR CEMENT EXTRACTED MATERIAL, 12" MAX., COMPACTED TO 90%

NOTES:

1. MINIMUM COVER: FROM TOP OF PIPE TO FINISHED GRADE SHALL BE PER THE FOLLOWING:\n   A. 12" B. SMALLER = 36". C. LARGER THAN 12" = 48"

2. MINIMUM LENGTH OF OPEN TRENCH SHALL BE 110 FEET.

3. PIPESTAND-OFF CUT SAW (OR STRAIGHT-EDGED RULER) PARALLEL AND PERPENDICULAR TO EXISTING ROADWAY IMPROVEMENTS.

4. MECHANICAL COMPACTOR REQUIRED.
Know what's below before you dig.

DESIGN BY:

PRELIMINARY
NOT FOR CONSTRUCTION
Know what's below before you dig.

CALLOUTS

1. DRINKING FOUNTAIN
   a. Install per manufacturer's specifications
   b. Use Schedule 40 PVC pipe
   c. Use Schedule 80 PVC pipe for underground
   d. Use Schedule 10 PVC pipe for above ground
   e. Use Schedule 40 PVC pipe for fire hydrants
   f. Use Schedule 80 PVC pipe for above ground
   g. Use Schedule 10 PVC pipe for fire hydrants
   h. Use Schedule 80 PVC pipe for fire hydrants
   i. Use Schedule 10 PVC pipe for fire hydrants
   j. Use Schedule 40 PVC pipe for fire hydrants
   k. Use Schedule 80 PVC pipe for above ground
   l. Use Schedule 10 PVC pipe for fire hydrants
   m. Use Schedule 80 PVC pipe for above ground
   n. Use Schedule 10 PVC pipe for fire hydrants
   o. Use Schedule 40 PVC pipe for fire hydrants
   p. Use Schedule 80 PVC pipe for above ground
   q. Use Schedule 10 PVC pipe for fire hydrants
   r. Use Schedule 80 PVC pipe for above ground
   s. Use Schedule 10 PVC pipe for fire hydrants
   t. Use Schedule 40 PVC pipe for fire hydrants
   u. Use Schedule 80 PVC pipe for above ground
   v. Use Schedule 10 PVC pipe for fire hydrants
   w. Use Schedule 80 PVC pipe for above ground
   x. Use Schedule 40 PVC pipe for fire hydrants

2. CONCRETE BENCH PAD
   a. Use 6" thick concrete
   b. Use 8" thick concrete
   c. Use 10" thick concrete
   d. Use 12" thick concrete
   e. Use 14" thick concrete
   f. Use 16" thick concrete
   g. Use 18" thick concrete
   h. Use 20" thick concrete
   i. Use 22" thick concrete
   j. Use 24" thick concrete
   k. Use 26" thick concrete
   l. Use 28" thick concrete
   m. Use 30" thick concrete
   n. Use 32" thick concrete
   o. Use 34" thick concrete
   p. Use 36" thick concrete
   q. Use 38" thick concrete
   r. Use 40" thick concrete
   s. Use 42" thick concrete
   t. Use 44" thick concrete
   u. Use 46" thick concrete
   v. Use 48" thick concrete
   w. Use 50" thick concrete
   x. Use 52" thick concrete

3. SIDEWALK BARRICADE
   a. Use 18" tall barricade
   b. Use 24" tall barricade
   c. Use 30" tall barricade
   d. Use 36" tall barricade
   e. Use 42" tall barricade
   f. Use 48" tall barricade
   g. Use 54" tall barricade
   h. Use 60" tall barricade
   i. Use 66" tall barricade
   j. Use 72" tall barricade
   k. Use 78" tall barricade
   l. Use 84" tall barricade
   m. Use 90" tall barricade
   n. Use 96" tall barricade
   o. Use 102" tall barricade

4. DRINKING FOUNTAIN
   a. Use 2" dia. PVC pipe
   b. Use 3" dia. PVC pipe
   c. Use 4" dia. PVC pipe
   d. Use 5" dia. PVC pipe
   e. Use 6" dia. PVC pipe
   f. Use 7" dia. PVC pipe
   g. Use 8" dia. PVC pipe
   h. Use 9" dia. PVC pipe
   i. Use 10" dia. PVC pipe
   j. Use 11" dia. PVC pipe
   k. Use 12" dia. PVC pipe
   l. Use 13" dia. PVC pipe
   m. Use 14" dia. PVC pipe
   n. Use 15" dia. PVC pipe
   o. Use 16" dia. PVC pipe

5. BASKETBALL COURT
   a. Use 24' dia. court
   b. Use 25' dia. court
   c. Use 26' dia. court
   d. Use 27' dia. court
   e. Use 28' dia. court
   f. Use 29' dia. court
   g. Use 30' dia. court
   h. Use 31' dia. court
   i. Use 32' dia. court
   j. Use 33' dia. court
   k. Use 34' dia. court
   l. Use 35' dia. court
   m. Use 36' dia. court
   n. Use 37' dia. court
   o. Use 38' dia. court

6. PLAN VIEW
   a. Use north orientation
   b. Use south orientation
   c. Use east orientation
   d. Use west orientation
   e. Use north orientation
   f. Use south orientation
   g. Use east orientation
   h. Use west orientation
   i. Use north orientation
   j. Use south orientation
   k. Use east orientation
   l. Use west orientation
   m. Use north orientation
   n. Use south orientation
   o. Use east orientation
   p. Use west orientation
   q. Use north orientation
   r. Use south orientation
   s. Use east orientation
   t. Use west orientation
   u. Use north orientation
   v. Use south orientation
   w. Use east orientation
   x. Use west orientation
   y. Use north orientation
   z. Use south orientation
   aa. Use east orientation
   bb. Use west orientation
   cc. Use north orientation
   dd. Use south orientation
   ee. Use east orientation
   ff. Use west orientation
   gg. Use north orientation
   hh. Use south orientation
   ii. Use east orientation
   jj. Use west orientation
   kk. Use north orientation
   ll. Use south orientation
   mm. Use east orientation
   nn. Use west orientation
   oo. Use north orientation
   pp. Use south orientation
   qq. Use east orientation
   rr. Use west orientation
   ss. Use north orientation
   tt. Use south orientation
   uu. Use east orientation
   vv. Use west orientation
   ww. Use north orientation
   xx. Use south orientation
   yy. Use east orientation
   zz. Use west orientation
CONTROL WIRE PULL BOX IN VALVE BOX

MANUAL FLUSH VALVE

DIOPRY OPRTIAION INDICATOR

SPRAY HEAD

SINGLE FLOW SENSOR

WIRE CONNECTION
Know what's below before you dig. Call R.
## WATER EFFICIENT LANDSCAPE WORKSHEET

### HYDROZONE INFORMATION TABLE

<table>
<thead>
<tr>
<th>Date</th>
<th>Scale</th>
<th>P. N.</th>
</tr>
</thead>
<tbody>
<tr>
<td>05.01.2023</td>
<td>1&quot; = 30'-0&quot;</td>
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</tr>
</tbody>
</table>

### IRRIGATION WATERING SCHEDULE - ESTABLISHMENT

<table>
<thead>
<tr>
<th>Hydrozone</th>
<th>Spring/Fall</th>
<th>Summer</th>
<th>Winter</th>
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</thead>
<tbody>
<tr>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
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</tbody>
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### IRRIGATION WATERING SCHEDULE - SPRING/FALL

<table>
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<tr>
<th>Hydrozone</th>
<th>TBD</th>
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### IRRIGATION WATERING SCHEDULE - SUMMER

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### IRRIGATION WATERING SCHEDULE - WINTER

<table>
<thead>
<tr>
<th>Hydrozone</th>
<th>TBD</th>
</tr>
</thead>
</table>

---

**Know what's below.**

**Before you dig.**

**Call R**

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**DESIGN BY:**

**PRELIMINARY**

**NOT FOR CONSTRUCTION**

**IRRIGATION CALCS AND SCHEDULES**

**LI504**
### PLANTING NOTES

1. **Construction:** Shall be responsible for maintaining plant schedules from planting plans. Planting plans are provided for reference only.

2. **Landscape Design:** After issuance, the landscape design is considered complete. Any changes to the design should be made in writing.

3. **Soil Management:** After construction, soil management practices are required to maintain the health of the plants. Any changes to the soil management practices should be made in writing.

4. **Planting:** Before planting, all plants shall be inspected to ensure they are healthy and free from disease or pests. Any plants found to be unhealthy should be replaced.

5. **Watering:** After planting, watering is required to ensure the survival of the plants. Watering schedules shall be provided in writing.

6. **Maintenance:** After planting, maintenance schedules shall be provided in writing. Maintenance activities shall be performed as scheduled.

### PLANT SCHEDULE

<table>
<thead>
<tr>
<th>Species</th>
<th>Quantity</th>
<th>Size</th>
<th>Date</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Acacia</em></td>
<td>15</td>
<td>3&quot;</td>
<td>05.01.2023</td>
<td>Local Nursery</td>
</tr>
<tr>
<td><em>Juniperus</em></td>
<td>20</td>
<td>2&quot;</td>
<td>05.01.2023</td>
<td>Wholesale Supplier</td>
</tr>
</tbody>
</table>

### DESIGN BY:

PRELIMINARY

NOT FOR CONSTRUCTION

MATCHLINE SEE SHEET LP102

FOR GENERAL NOTES SEE DRAWING LP501

FOR PLANTING DETAILS SEE DRAWING CV001

### REQUIREMENTS:

- All plants shall be supplied with a planting permit and shall be installed according to the approved planting plan.
- All plantings shall be performed in accordance with the approved planting plan.
- All plantings shall be performed in accordance with the approved planting plan.
BRIDGE RD

PARKING LOT SHADE CALCULATIONS

<table>
<thead>
<tr>
<th>TREE TYPE</th>
<th>CANTITY</th>
<th>1 (FT²)</th>
<th>2 (FT²)</th>
<th>3 (FT²)</th>
<th>4 (FT²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>50' x 50'</td>
<td>6.000 SF</td>
<td>6.000 SF</td>
<td>6.000 SF</td>
<td>6.000 SF</td>
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<tr>
<td>H</td>
<td>35' x 35'</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>C</td>
<td>20' x 20'</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>D</td>
<td>10' x 10'</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

TOTAL PARKING LOT AREA: 27,581 SF

TOTAL SHAD ED AREA: 13,865 SF

REQUIRED SHAD ED AREA (50%): 13,790 SF

PERCENT SHAD ED: 50%
Know what's below before you dig. Call R

DESIGN BY:

P. N. RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK

CITY OF SACRAMENTO

DEPT. OF PARKS & RECREATION

915 I STREET, 3RD FLOOR, SACRAMENTO, CA 95814

LANDSCAPE ARCHITECTURE SECTION

PARK PLANNING & DEVELOPMENT SERVICES

CITY OF SACRAMENTO

05.01.2023

REVISIONS

RENFREE FIELD RENOVATION DEL PASO REGIONAL PARK (L19300002)

SCALE: 1" = 30'-0"

TREE PROTECTION

SECTION / PLAN

1/2" ROOTBALL

3" FILL GRADE

2" FILL GRADE

3" FILL GRADE

1" FILL GRADE

BACKFILL, PER STANDARDS SPECIFICATIONS.

CALLOUTS
1. TREE
2. TRUNK CIRCUMFERENCE
3. GROUND COVER PLANTING
4. GRADE MARKERS
5. TRASH CAN
6. TREE
7. GRASS

PLANTING DETAILS

1. GROUNDCOVER SPACING:
   - SEE PLANTING LEGENDS
   - GROUND COVER SPACING
   - WALL SEEDING OR GRASS
   - HALF SPICE OF THE GROUNDCOVER SPACING OR AS SPECIFIED ON THE PLOT

NOTES
1. Rip of 5' x 5' top of subgrade prior to planting.
2. Add amendments and fertilize per soil report.
3. Restore amendments and fertilize into top 12" of topsoil or fine soil import.
5. Paint, mulch, and mow, per standards specification.
6. Work on and over planting.
7. Finish coordinating signage.
8. Locate trees and the planting, per standards specifications.
9. Work on and over planting.
10. Drip irrigation connections are installed at planting.

TREE PLANTING

SECTION / PLAN

2" FILL GRADE

2" FILL GRADE

3" FILL GRADE

2" FILL GRADE

1" FILL GRADE

BACKFILL, PER STANDARDS SPECIFICATIONS.

CALLOUTS
1. TREE
2. TRUNK CIRCUMFERENCE
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GROUNDCOVER PLANTING

SECTION / PLAN

2" FILL GRADE

2" FILL GRADE

3" FILL GRADE

2" FILL GRADE

1" FILL GRADE

BACKFILL, PER STANDARDS SPECIFICATIONS.

CALLOUTS
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SHEET NOTES

NOTES

LIGHTING FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>#</th>
<th>DESCRIPTION</th>
<th>VOLTS</th>
<th>TEMP</th>
<th>AMPS</th>
<th>FIXTURE</th>
<th>MOUNTING</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>POLE MOUNTED LIGHTS</td>
<td>120/240V</td>
<td>1Ø, 3W</td>
<td>200A</td>
<td>SERVICE PEDESTAL</td>
<td>120/240 VOLT, 1 PH., 3 WIRE SERVICE, 200 AMPERES NEMA 3R ENCLOSURE</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SPARE LIGHTING</td>
<td>120/240V</td>
<td>1Ø, 3W</td>
<td>200A</td>
<td>SERVICE PEDESTAL</td>
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<td></td>
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<td>3</td>
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<td>120/240V</td>
<td>1Ø, 3W</td>
<td>200A</td>
<td>SERVICE PEDESTAL</td>
<td>120/240 VOLT, 1 PH., 3 WIRE SERVICE, 200 AMPERES NEMA 3R ENCLOSURE</td>
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<td>1Ø, 3W</td>
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<td>10</td>
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<td>1Ø, 3W</td>
<td>200A</td>
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<td>1Ø, 3W</td>
<td>200A</td>
<td>SERVICE PEDESTAL</td>
<td>120/240 VOLT, 1 PH., 3 WIRE SERVICE, 200 AMPERES NEMA 3R ENCLOSURE</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>SPARE LIGHTING</td>
<td>120/240V</td>
<td>1Ø, 3W</td>
<td>200A</td>
<td>SERVICE PEDESTAL</td>
<td>120/240 VOLT, 1 PH., 3 WIRE SERVICE, 200 AMPERES NEMA 3R ENCLOSURE</td>
<td></td>
</tr>
</tbody>
</table>

TITLE 24 EXEMPTION NOTE

SECTION 140.7: PRESCRIPTIVE REQUIREMENTS FOR EXTERIOR LIGHTING

A. The outdoor lighting installation complies with Section 140.7(a) if it meets the requirements in sub-sections (b) and (c), and the actual outdoor lighting power installed is no greater than the allowed outdoor lighting power calculated under sub-section (d). The allowed outdoor lighting power is calculated according to outdoor lighting zone in Title 24, Part 1, Section 10-114.

EXEMPTIONS TO SECTION 140.7(a): When more than 50 percent of the light from a luminaire falls within one or more of the following applications, the lighting power for that luminaire shall be exempt from Section 140.7:

1. Lighting for sports and athletic fields and children’s playgrounds

---

PULSIFLUX PANEL 200A SERVICE PANEL 1

---

UTILITY METER MAIN CNTR. LTG 3P CNTR. LTG 2P CNTR. LTG 3P CNTR. LTG 2P CNTR. LTG 3P CNTR. LTG 3P CNTR. LTG 2P
Know what's below before you dig. Call R CONSULT before you dig.

EXISTING STREET LIGHT POLE TO REMAIN.

DEMONISH EXISTING FIELD LIGHT POLE AND PULL BOX. REMOVE EXISTING CONDUCTORS AND ABANDON EXISTING CONDUIT.

DEMONISH EXISTING SCOREBOARD AND PULL BOX. REMOVE EXISTING CONDUCTORS AND ABANDON EXISTING CONDUIT.
INSTALL 120/240V, 1Ø, 3W, 200 AMP SERVICE PEDESTAL PANEL. PROVIDE NEMA 3R ENCLOSURE. SEE DETAIL 1, SHEET E501.

INSTALL CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE. SEE FIXTURE SCHEDULE SHEET E002.

INSTALL LED FIXTURE ON 15 FOOT POLE WITH RAISED CONCRETE BASE, SEE DETAIL 4/E501 AND FIXTURE SCHEDULE ON SHEET E002.

INSTALL N-9 PULL BOX PER DETAIL SHEET.

INSTALL N-16 PULL BOX PER DETAIL SHEET.

INSTALL 1-1/4" CONDUIT STUB WITH #12 PULL WIRE FOR FUTURE ORNAMENTAL POST TOP LIGHT FIXTURE.

FUTURE SPORTS FIELD LIGHT POLE LOCATION.

FUTURE SCOREBOARD LOCATION.

INSTALL 1"C-2#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL 1-1/2"C-4#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL 1-1/2"C-6#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL 1-1/2"C-8#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL 1-1/2"C-10#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.


FUTURE COURT LIGHTING POLE LOCATION.


STUB 1-1/4"C.O. WITH PULL TAPE FOR FUTURE CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE.
MATCHLINE SEE SHEET E201

WEIGHTED-AREA PATHway: Constructing in sandy soil location with compacted 1" of gravel mixed with 1" of sand to form a path. Use 4" wide x 3" deep conduit for electrical service from service panel.

EXISTING PLAYOUTGROUND


FUTURE COURT LIGHT POLE LOCATION.

INSTALL 1-1/4" O.D. WITH PULL TAPE FOR FUTURE CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE.

MATCHLINE SEE SHEET E201

MATCHLINE SEE SHEET E201

INSTALL 1" C.O. WITH PULL TAPE PER DETAIL 3/E501.

INSTALL N-9 PULL BOX PER DETAIL 2/E501.

INSTALL N-16 PULL BOX PER DETAIL 2/E501.

INSTALL 1-1/4" CONDUIT STUB WITH #12 PULL WIRE FOR FUTURE ORNAMENTAL POST TOP LIGHT FIXTURE.

FUTURE SPORTS FIELD LIGHT POLE LOCATION.

INSTALL 1-1/2" C.O. WITH PULL TAPE PER DETAIL 3/E501.

INSTALL 1-1/2" C-6#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL 1-1/2" C-8#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL 1-1/2" C-10#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL 1-1/2" C-2#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL 1-1/2" C-4#8 THWN, 1#10 THWN GND PER DETAIL 3/E501.

INSTALL CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE. SEE FIXTURE SCHEDULE SHEET E002.

INSTALL LED FIXTURE ON 15 FOOT POLE WITH RAISED CONCRETE BASE, SEE DETAIL 4/E501 AND FIXTURE SCHEDULE, SHEET E002.

INSTALL 120/240V, 1Ø, 3W, 200 AMP SERVICE PEDESTAL PANEL. PROVIDE NEMA 3R ENCLOSURE. SEE DETAIL 1, SHEET E501.

INSTALL CITY OF SACRAMENTO ORNAMENTAL POST TOP FIXTURE. SEE FIXTURE SCHEDULE SHEET E002.

MATCHLINE SEE THIS SHEET ABOVE

MATCHLINE SEE SHEET E201
## Del Paso Park
Sacramento, CA

### Lighting System

<table>
<thead>
<tr>
<th>Pole #</th>
<th>Fixture Type</th>
<th>Wattage</th>
<th>Luminaire Spec.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1-A2</td>
<td>36&quot; 1</td>
<td>600W</td>
<td>TCL-LED-1000</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>36&quot; 1</td>
<td>600W</td>
<td>TCL-LED-1000</td>
<td>B</td>
</tr>
<tr>
<td></td>
<td>36&quot; 1</td>
<td>600W</td>
<td>TCL-LED-1000</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>36&quot; 1</td>
<td>600W</td>
<td>TCL-LED-1000</td>
<td>D</td>
</tr>
</tbody>
</table>

### System Details
- **Design By:** PRELIMINARY
- **Type:** NOT FOR CONSTRUCTION
- **E801**
- **MUSCO FIELD AND COURT PHASE 2 LIGHTING DESIGN**

### System Summary
- **A**: Floodlight
- **B**: Goalpost
- **C**: Sideline Light
- **D**: Specialty
- **E**: Pickleball

### Prototype Summary

<table>
<thead>
<tr>
<th>Text</th>
<th>Voltage</th>
<th>Lumen</th>
<th>LMP</th>
<th>L25</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>TCL-LED-1000</td>
<td>117W</td>
<td>150,000</td>
<td>&gt;120,000</td>
<td>&gt;120,000</td>
<td>24</td>
</tr>
<tr>
<td>TCL-LED-1000</td>
<td>117W</td>
<td>150,000</td>
<td>&gt;120,000</td>
<td>&gt;120,000</td>
<td>24</td>
</tr>
<tr>
<td>TCL-LED-1000</td>
<td>117W</td>
<td>150,000</td>
<td>&gt;120,000</td>
<td>&gt;120,000</td>
<td>24</td>
</tr>
</tbody>
</table>

### Luminaires Ampacity Chart

<table>
<thead>
<tr>
<th>Single Phase Wattage</th>
<th>24V</th>
<th>120V</th>
<th>277V</th>
<th>240V</th>
<th>277V</th>
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<tbody>
<tr>
<td>TCL-LED-1000</td>
<td>2.2</td>
<td>5</td>
<td>9.5</td>
<td>12</td>
<td>12</td>
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<td>5</td>
<td>9.5</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>TCL-LED-1000</td>
<td>2.2</td>
<td>5</td>
<td>9.5</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

### From Hometown to Professional

From entering Del Paso Regional Park, visitors will experience a new level of comfort and convenience, with improved lighting and facilities. Del Paso Regional Park is located in the heart of Sacramento, providing a vibrant urban oasis that attracts visitors from all over the city. The park is a popular destination for local residents, offering a variety of recreational activities such as sports fields, picnic areas, and nature trails. The park's new lighting system will enhance the park's appeal, ensuring that visitors can enjoy the facilities at any time, day or night. The improved lighting will not only make the park safer for users but also increase its attractiveness to visitors and residents alike. With its improved lighting and facilities, Del Paso Regional Park is set to become an even more desired destination for those seeking a green retreat in the city.
# RENFREE FIELD RENOVATION

## DEL PASO REGIONAL PARK

### Light Level Summary

<table>
<thead>
<tr>
<th>Sport/Activity</th>
<th>Calculation Method</th>
<th>Min.</th>
<th>Max.</th>
<th>Min (Lm)</th>
<th>Max (Lm)</th>
<th>Min (Lux)</th>
<th>Max (Lux)</th>
<th>Lux (E)</th>
<th>Lux (F)</th>
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<tbody>
<tr>
<td>100' Split</td>
<td>Horizontal</td>
<td>0.94</td>
<td>0.94</td>
<td>25.3</td>
<td>25.3</td>
<td>0.15</td>
<td>0.15</td>
<td>A,B,C,D,E</td>
<td>72</td>
</tr>
<tr>
<td>150' Split</td>
<td>Max Vertical</td>
<td>36.1</td>
<td>36.1</td>
<td>5.7</td>
<td>5.7</td>
<td>0.5</td>
<td>0.5</td>
<td>A,B,C,D,E</td>
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<tr>
<td>Baseball (infield)</td>
<td>Horizontal</td>
<td>91.2</td>
<td>91.2</td>
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<td>0.23</td>
<td>0.23</td>
<td>A,C</td>
<td>46</td>
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<tr>
<td>Baseball (outfield)</td>
<td>Horizontal</td>
<td>30.9</td>
<td>30.9</td>
<td>1.75</td>
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<td>0.23</td>
<td>A,C</td>
<td>46</td>
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<tr>
<td>Basketball</td>
<td>Horizontal</td>
<td>36.2</td>
<td>36.2</td>
<td>1.55</td>
<td>1.55</td>
<td>0.35</td>
<td>0.35</td>
<td>D</td>
<td>4</td>
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<tr>
<td>Pickleball 1.6</td>
<td>Horizontal</td>
<td>49.3</td>
<td>49.3</td>
<td>1.25</td>
<td>1.25</td>
<td>0.35</td>
<td>0.35</td>
<td>E</td>
<td>12</td>
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<tr>
<td>Soccer</td>
<td>Horizontal</td>
<td>31.3</td>
<td>31.3</td>
<td>1.35</td>
<td>1.35</td>
<td>0.35</td>
<td>0.35</td>
<td>G,A,B</td>
<td>45</td>
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<tr>
<td>Softball (infield)</td>
<td>Horizontal</td>
<td>82.1</td>
<td>82.1</td>
<td>1.45</td>
<td>1.45</td>
<td>0.35</td>
<td>0.35</td>
<td>C,B</td>
<td>28</td>
</tr>
<tr>
<td>Softball (outfield)</td>
<td>Horizontal</td>
<td>31.2</td>
<td>31.2</td>
<td>2.15</td>
<td>2.15</td>
<td>0.35</td>
<td>0.35</td>
<td>C,B</td>
<td>28</td>
</tr>
</tbody>
</table>

**Design by:** Aaron Rose - File #238314A - 22-Jun-23

**Project Summary**

From Hometown to Professional

---

**Musco Lighting**

We Make It Happen.

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981 - 2023 Musco Sports Lighting, LLC.
Know what's below. Before you dig. Call R.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.80 factor depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with RS & O-015.

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

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

ILLUMINATION SUMMARY

- Guaranteed Average: 50, 50
- UA: 55, 55
- Minimum: 38, 38
- Maximum: 60, 60
- Avg: 50, 50
- No. of Pivots: 25, 25
- Lumens: 1595, 1595
- Watts: 1595, 1595

Applied Circuits: A, C
No. of Luminaires: 48
Total Load: 1595 W

MUSCO FIELD AND COURT PHASE 2 LIGHTING DESIGN
Know what's below. Before you dig. Call R.

DESIGN BY: PRELIMINARY

NOT FOR CONSTRUCTION
E804

AS NOTED

MUSCO FIELD AND COURT PHASE 2 LIGHTING DESIGN

Del Paso Park
SACRAMENTO, CA

FIELD MEASUREMENTS: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with ESNA MP-6.15.

NOMINAL VOLTAGE: Results assume ±1% nominal voltage at line side of the driver and structures located within 5 feet (1.5 m) of design locations.
Know what's below.
before you dig.
Call:
1-833-444-0829

ILLUMINATION SUMMARY

Name: Basketball

Sequence: 50.7 x 10.0
Height: 10.7 above grade

Guaranteed Performance:
The ILLUMINATION described above applies to your Musco Warranty document and includes a 0.90 dirt depreciation factor.

Field Measurements:
Individual field measurements may vary from computer-generated predictions and should be taken in accordance with the Musco Inspection Report.

Electrical System Requirements:
Refer to the As-constructed Drawings for electrical requirements.

Installation Requirements:
Results assume a 3% normal voltage at the center of the field and structures located within 3 feet of the curb lines of design locations.
Know what's below. Call before you dig.

DESIGN BY: PRELIMINARY

ILLUMINATION SUMMARY

Del Paso Park
Sacramento, CA

GRID SUMMARY

Name: Pickleball 3-4
Size: 60' x 134'

ILLUMINATION SUMMARY

1. For New/Retreat: 1.09
2. Existing: 1.33
3. Luminaries: 84
4. Luminaire: 84
5. Total: 6,096 kcall/wh

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.25% dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IS09366-32.

Electrical System Requirements: Refer to Arapahoe 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 light fixtures located within 5 feet (5) of design locations.
Del Paso Park
Sacramento, CA

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

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with EPA P-6-23.

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

Installation Requirements: Results assume nominal voltage at live side of the driver and structures located within 3 feet (1m) of design locations.
Del Paso Park
Sacramento, CA

GRID SUMMARY
Name: A-20 500 ft
Spacing: 500 ft
Height: 3/4 above grade

ILLUMINATION SUMMARY

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Type</th>
<th>Voltage</th>
<th>Phase</th>
<th>Min. Lumen</th>
<th>Min. Lumens</th>
<th>Min. Lumens</th>
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<tbody>
<tr>
<td>E809</td>
<td>1</td>
<td>1</td>
<td>6</td>
<td>54</td>
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<td>E809</td>
<td>1</td>
<td>2</td>
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<td>54</td>
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<tr>
<td>E809</td>
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<td>3</td>
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<td>54</td>
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<td>4</td>
<td>6</td>
<td>54</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

Guaranteed Performance: The ILLUMINATION described above is guaranteed per year’s warranty statement.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with ENA EP-80-06.

Electrical System Requirements: Refer to Appendix D for electrical wiring.

Installation Requirements: Firms assure a 50% nominal voltage at line side of the driver and structures located within 3 feet of storage locations.
Design by: Aaron Rose - File #23B314A - 22-Jun-23

ILLUMINATION SUMMARY

Del Paso Park
Sacramento, CA

GRID SUMMARY
Name: MUSCO Field & Court Phase 2 Lighting Design
Height: 80' above ground

ILLUMINATION SUMMARY

COMPONENTS
Component: Entire Grid
Width: 2013.000
Minimum: 15.87
No. of Points: 89

LUMINARIES
No. of Luminaires: 78
Total Load: 68.16 kW

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

Field Measurements: Individual field measurements may vary from computer calculated predictions and should be taken in accordance with ISMA MP-0.13.

Electrical System Requirements: Refer to Arup Engineering Drawings and/or the "Musco Control System Summary" for electrical rating.

Installation Requirements: Ensure a 1% maximum voltage at line side of the driver and structures located within a 2 foot (24") of design locations.