



State of California - Department of Fish and Wildlife
2025 ENVIRONMENTAL DOCUMENT FILING FEE
CASH RECEIPT
DFW 753.5a (REV. 01/01/25) Previously DFG 753.5a

Print

Save

RECEIPT NUMBER:

41-12122025-0001

STATE CLEARINGHOUSE NUMBER (If applicable)

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY	LEAD AGENCY EMAIL	DATE
CITY OF SAN CARLOS		12/12/2025
COUNTY/STATE AGENCY OF FILING	DOCUMENT NUMBER	
SAN MATEO COUNTY	129385	
PROJECT TITLE		

LED LIGHTING CONVERSIONS AT BURTON & HIGHLANDS PARKS

PROJECT APPLICANT NAME	PROJECT APPLICANT EMAIL	PHONE NUMBER
CITY OF SAN CARLOS		(650) 802-4131
PROJECT APPLICANT ADDRESS	CITY	STATE
600 ELM ST	SAN CARLOS	CA
		ZIP CODE
		94070

PROJECT APPLICANT (Check appropriate box)

☒ Local Public Agency ☐ School District ☐ Other Special District ☐ State Agency ☐ Private Entity

CHECK APPLICABLE FEES:

☐ Environmental Impact Report (EIR) \$ 4,123.50 \$ _____
☐ Mitigated/Negative Declaration (MND)(ND) \$ 2,968.75 \$ _____
☐ Certified Regulatory Program (CRP) document - payment due directly to CDFW \$ 1,401.75 \$ _____

☒ Exempt from fee
☒ Notice of Exemption (attach)
☐ CDFW No Effect Determination (attach)
☐ Fee previously paid (attach previously issued cash receipt copy)

☐ Water Right Application or Petition Fee (State Water Resources Control Board only) \$ 850.00 \$ _____
☒ County documentary handling fee \$ 50.00 \$ 50.00
☐ Other \$ _____

PAYMENT METHOD:

☐ Cash ☒ Credit ☐ Check ☐ Other **TOTAL RECEIVED \$ 50.00**

SIGNATURE

X

AGENCY OF FILING PRINTED NAME AND TITLE

Henry Salgado Deputy Clerk

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk

County of: San Mateo

555 County Center

Redwood City, CA 94063

From: (Public Agency): City of San Carlos
600 Elm Street
San Carlos, CA 94070

(Address)

FILED ENDORSED
IN THE OFFICE OF THE
COUNTY CLERK RECORDER
SAN MATEO COUNTY CALIF

DEC 12 2025

MARK CHURCH, County Clerk
By Henry Salgado
Deputy Clerk

Project Title: LED LIGHTING CONVERSIONS AT BURTON & HIGHLANDS PARKS

Project Applicant: City of San Carlos

Project Location - Specific:

Burton Park - 900 Chestnut Street, Highlands Park, 2600 Melendy Drive

Project Location - City: San Carlos Project Location - County: San Mateo County

Description of Nature, Purpose and Beneficiaries of Project:

Burton Park: Installing LED lighting fixtures on existing poles at tennis courts, adding LED fixtures on basketball court poles at 25' height, replacing existing pathway light fixtures.

Highlands Park: Install new LED lights on existing poles in parking lot and at tennis courts, install screen.

Name of Public Agency Approving Project: City of San Carlos

Name of Person or Agency Carrying Out Project: Amy Newby, Parks and Recreation Director

Exempt Status: (check one):

- ☐ Ministerial (Sec. 21080(b)(1); 15268);
☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));
☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
☒ Categorical Exemption. State type and section number: 15301
☐ Statutory Exemptions. State code number: _____

Reasons why project is exempt:

The new LED lights will increase light levels on the courts but will reduce the spill lighting into the neighborhoods. There is no new expansion of use, or extension of hours.

Lead Agency

Contact Person: Amy Newby, Parks and Recreation Director

Area Code/Telephone/Extension: 650-802-4131

If filed by applicant:

1. Attach certified document of exemption finding.

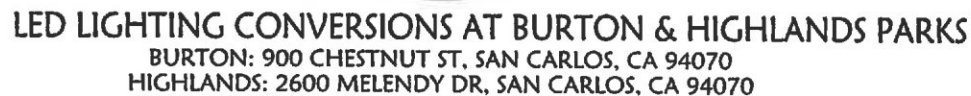
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: Amy Newby Date: 12/10/25 Title: Parks and Recreation Director

■ Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: _____



Printed by the City of San Carlos, 100275 LED Lighting Encumbrance Burton & Hightower Per# 1560, L58-0 Budget 11/19/2025 1:49 PM Brandon LM

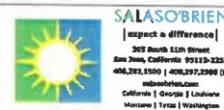
GENERAL NOTES

- [illegible]

LED LIGHTING CONVERSIONS AT BURTON & HIGHLANDS PARKS
 BURTON: 900 CHESTNUT ST. SAN CARLOS, CA 94070
 HIGHLANDS: 2600 MELENDY DR. SAN CARLOS, CA 94070

ELECTRICAL GENERAL NOTES

6		
5		
4	91D SET	11/10/25
3	100% CD	03/14/24
2	95% CD	11/14/23
1	50% CD	08/08/23
	REVISIONS	DATE

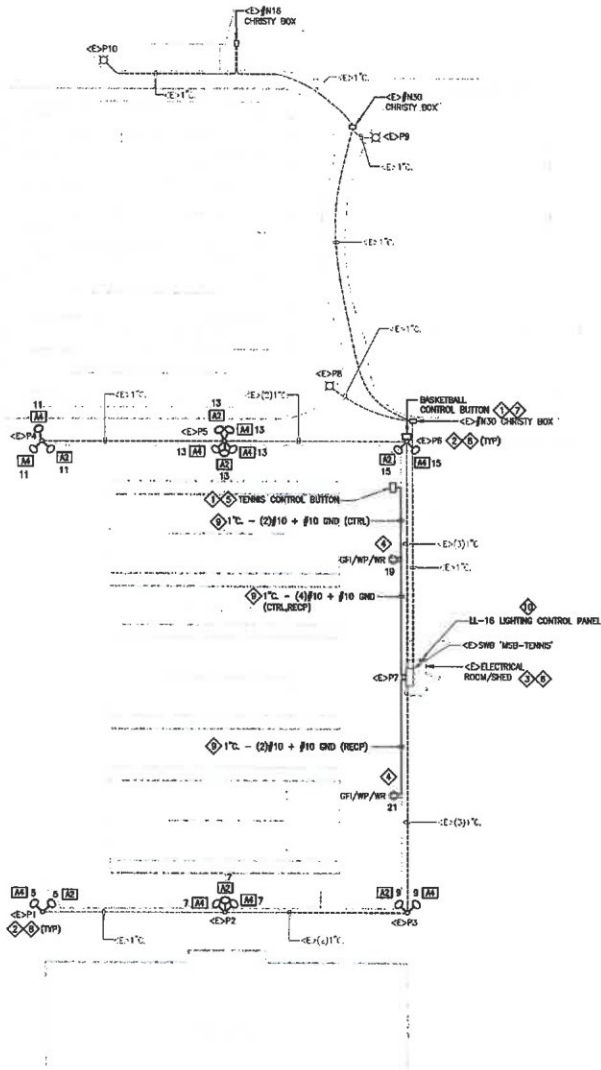


DEPARTMENT OF PUBLIC WORKS SAN CARLOS, CALIFORNIA	Hz SCALE: <u>AS NOTED</u> Vt SCALE: <u>AS NOTED</u>
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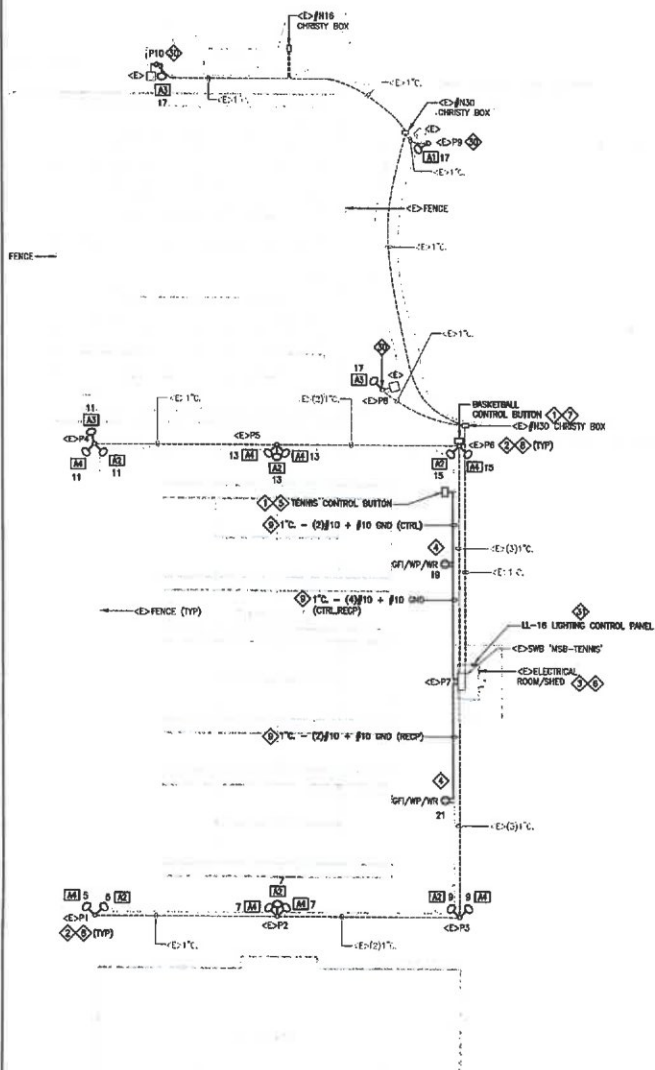
DRAWN BY: SALAS O'BRIEN	DIRECTOR OF PUBLIC WORKS	Drawing No.
PROJ. MGR.: AMY NEWBY	07/14/2024	E-0.1
CHECKED BY: HUGH KING	PROJECT ID: XXXXX	Sheet of XX

FIXTURE/POLE SCHEDULES										SEQUENCE OF OPERATION										ELECTRICAL ABBREVIATIONS																																																																																																			
FIXTURE SCHEDULE										BURTON PARK TENNIS & BASKETBALL COURT CONTROLS:										ELECTRICAL ABBREVIATIONS																																																																																																			
TYPE	SYMBOL	MANUFACTURER	CATALOG NUMBER	VOLTAGE	MAX VA	LAMPING	MOUNTING	DESCRIPTION																																																																																																															
BID ALTERNATE #1	[A1]	EPHESUS POLE VALMONT	FIXTURE: EPH-LS-08-0320M-BLK-57-70-45-000-LV-AM-TY-AD-C22-BP-ST POLE: B0210-060A00-P2-TP-BT-AB-MOUNTING-PLATE-015-MOD531 [EXISTING BASE]	120V	344	LED	<E>30" POLE, MH=30" <N>25" POLE, MH=25"	BURTON PARK TENNIS COURT LIGHTS (30") BASKETBALL COURT LIGHT (25")																																																																																																															
	[A2]	EPHESUS	EPH-LS-08-0320M-BLK-57-70-45-000-LV-AM-TY-AD-WHE-BP-ST	120V	344	LED	<E>30" POLE, MH=30"	BURTON PARK TENNIS COURT LIGHTS (30")																																																																																																															
BID ALTERNATE #1	[A3]	EPHESUS POLE VALMONT	FIXTURE: EPH-LS-08-0320M-BLK-57-70-56-000-LV-AM-TY-AD-C22-BP-ST POLE: B0210-060A00-P2-TP-BT-AB-MOUNTING-PLATE-015-MOD531 [EXISTING BASE]	120V	344	LED	<E>30" POLE, MH=30" <N>25" POLE, MH=25"	BURTON PARK TENNIS COURT LIGHTS (30") BASKETBALL COURT LIGHT (25")																																																																																																															
	[A4]	EPHESUS	EPH-LS-08-0320M-BLK-57-70-56-000-LV-AM-TY-AD-WHE-BP-ST	120V	344	LED	<E>30" POLE, MH=30"	BURTON PARK TENNIS COURT LIGHTS (30")																																																																																																															
	[B1]	EPHESUS	EPH-MN-03-D-0V-BK-LCF-ADL-740-74FT-AMS-407-MN-HSS	120V	184.5	LED	<E>30" POLE, MOUNTING HEIGHT 30'	HIGHLANDS PARK TENNIS COURT LIGHTS																																																																																																															
	[B2]	EPHESUS	EPH-MN-08-D-0V-BK-LCF-ADL-740-66-AMS-407-MN-HSS	120V	468.3	LED	<E>30"/35" POLE, MOUNTING HEIGHT 30'/35'	HIGHLANDS PARK TENNIS COURT LIGHTS																																																																																																															
	[B3]	EPHESUS	EPH-MN-08-D-0V-BK-LCF-ADL-740-74FT-AMS-407-MN-ST	120V	468.3	LED	<E>30" POLE, MOUNTING HEIGHT 30'	HIGHLANDS PARK TENNIS/PICKLEBALL COURT LIGHTS																																																																																																															
	[B4]	EPHESUS	EPH-MN-08-D-0V-BK-LCF-ADL-740-74FT-AMS-407-MN-HSS	120V	468.3	LED	<E>30" POLE, MOUNTING HEIGHT 30'	HIGHLANDS PARK TENNIS/PICKLEBALL COURT LIGHTS																																																																																																															
	[C]	MCGRAW-HILLSON	GALN-SAM-C-740-U-SWG-0M-FINISH-ZW-WORK	120V	213	LED	<E>30" POLE, MOUNTING HEIGHT 30'	HIGHLANDS PARK PARKING LOT LIGHTS																																																																																																															
FIXTURE SCHEDULE NOTES:										CONTROL SYSTEM DESCRIPTION:										ELECTRICAL ABBREVIATIONS																																																																																																			
1. PRIOR TO ORDERING AND INSTALLING FIXTURES, CONFIRM AND COORDINATE THE FOLLOWING WITH THE OWNER:										1. DURING THE DAYTIME, ASTRONOMICAL TIME CLOCK KEEPS LIGHTS FROM BEING TURNED ON.																				ELECTRICAL ABBREVIATIONS																																																																																									
a. FIXTURE LENGTHS, INCLUDING ARMS AND POLES.										a. OVERRIDE BUTTON CAN TURN LIGHTS ON.																														ELECTRICAL ABBREVIATIONS																																																																															
b. MOUNTING STYLE OF FIXTURE, ORDER TENONS AND BRACKETS AS NECESSARY.										b. FROM DUSK TILL 10:00 P.M.																																								ELECTRICAL ABBREVIATIONS																																																																					
c. EXACT MOUNTING ELEVATIONS.										a. SWITCHES ON COURTS TURN ON LIGHTS IN THEIR LABELED ZONES AND STARTS A 1-HOUR TIMER.																																																		ELECTRICAL ABBREVIATIONS																																																											
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3. CONTRACTOR RESPONSIBLE FOR PROVIDING TENON/POLE ADAPTER FOR FIXTURES AS NECESSARY.										a. BUZZER SOUNDS WHEN IT'S 10 MINUTES BEFORE 10:00 P.M.																																																																																										ELECTRICAL ABBREVIATIONS																			
4. FIXTURE TYPES A1-A4 UTILIZE SPLITTER BRACKET ACCESSORY WITH CATALOG NUMBER EPH-SPLITTR-075-B.										b. TIME CLOCK SHUTS OFF LIGHTS AT 10:00 P.M.																																																																																																				ELECTRICAL ABBREVIATIONS									
5. FIXTURE TYPES B1-B2 UTILIZE SPLITTER SPACER ACCESSORY WITH CATALOG NUMBER EPH-MN-SRA23.										b. TIME CLOCK KEEPS LIGHT FROM BEING TURNED ON UNTIL DUSK THE NEXT DAY.																																																																																																													
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1 BURTON PARTIAL SITE PLAN - NEW
SCALE: 1" = 20' - 0"



2 BURTON PARTIAL SITE PLAN - NEW (BID ALTERNATE #1)
SCALE: 1" = 20' - 0"

GENERAL SHEET NOTES

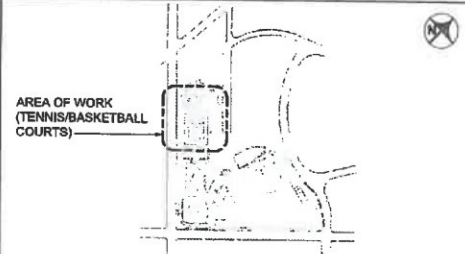
- FIELD VERIFY SYSTEMS ROUTED IN PULLBOXES. PROTECT AND PROVIDE SEALS TO CONDUITS FROM CONSTRUCTION DEBRIS. CLEAN UP PULLBOXES AFTER COMPLETION OF WORK. DUST SEAL ALL CONDUIT AND PROVIDE PULL ROPE FOR ALL SPARE CONDUIT.
- ELECTRICAL DEVICES SHOWN TO BE EXISTING SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION. IF DAMAGED, CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION, OR AS REQUIRED BY CITY.
- ROUTE NEW WIRING THROUGH EXISTING CONDUIT, U.O.A.
- USE #8 AWG. MINIMUM TO WIRE EACH POWER CIRCUIT, U.O.A. ON E-7.1. USE 1" MINIMUM FOR UNDERGROUND POWER CONDUITS, U.O.A.
- ALL LIGHTING/POWER SHALL BE CIRCUITED TO SWB "MSB-TENNIS". LIGHTING CONTROL PANEL SHALL BE CIRCUITED TO CIRCUIT 1.

REFERENCE SHEET NOTES

- PROVIDE SIGNAGE FOR INSTRUCTIONS REGARDING LIGHTING CONTROLS.
 - INSTALL NEW LIGHT FIXTURES WITH TENON ON TOP OF EXISTING POLE ALONG WITH NEW WIRING AS SPECIFIED ON E-7.1. REFER TO BURTON FUTURE/POLE SCHEDULE ON SHEET E-0.2.
 - INSTALL NEW SURFACE-MOUNTED LL-16 INTELLIGENT LIGHTING CONTROLS SYSTEM IN THE ELECTRICAL ROOM TO THE RIGHT OF EXISTING LIGHTING CONTROLS. TENNIS COURT CONTROLS INCLUDE OVERIDE BUTTONS FOR BOTH TENNIS AND BASKETBALL COURTS. SEE DETAIL 4/5.1 FOR PANELBOARD MOUNTING DETAIL.
 - INSTALL NEW RECEPTACLE WITH WATERPROOF, WHILE-IN-USE COVER. SEE DETAIL 5/5.1 FOR FENCE MOUNTING DETAIL.
 - INSTALL BUZZER DIRECTLY VERTICAL TO THE CONTROL BOX AT TOP OF FENCE. INSTALL NEW CONTROL BOX, BUTTON, BUZZER, LABEL, AND FACING FOR TENNIS COURT LIGHTING CONTROL ALONG WITH NEW WIRING.
 - CONTRACTOR TO PROVIDE LEGIBLE LABELS NEXT TO BREAKERS AND PROVIDE PANEL SCHEDULE ON SIDE.
 - INSTALL CONTROL BUTTON FOR BASKETBALL COURT ON POLE AND CONNECT TO NEW LIGHTING CONTROL PANEL WITH NEW WIRING.
 - EXISTING POLES SHALL BE COMPLETELY REPAINTED BLACK. PREP TO INCLUDE LIGHT SANDING OF EACH POLE. EACH POLE SHALL HAVE PRIMER PAINT AND TWO FINISH COATS.
 - CONTRACTOR SHALL INSTALL RMC CONDUIT ALONG TOP OF FENCE. CONDUIT SHALL BE PERMANENTLY ATTACHED AT EACH FENCE POST.
 - INTERCEPT EXISTING CONDUIT WITH NEW CONDUIT COMING OUT OF THE LIGHTING CONTROL PANEL. REFER TO SINGLE LINE DIAGRAM ON SHEET E-7.1.
- BID ALTERNATE #1:**
- INSTALL NEW 25' VALUANT POLE WITH NEW TENON AND EPHESUS LIGHT FIXTURE ON TOP OF POLE. REINSTALL EXISTING PATHWAY LIGHT FIXTURE MOUNTED AT 10' WITH MOUNTING PLATE AND DECORATIVE ARM. REFER TO BURTON FUTURE/POLE SCHEDULE ON E-0.2. CONTRACTOR SHALL ENSURE THAT PATHWAY LIGHTS ARE INSTALLED PERPENDICULARLY TO THE PATHWAY. CONTRACTOR SHALL REMOVE AND REEAT PATHWAY LIGHTS TOGETHER WITH BASKETBALL FIXTURES. SEE SINGLE LINE DIAGRAM ON E-7.1A.
 - INTERCEPT EXISTING CONDUIT WITH NEW CONDUIT COMING OUT OF THE LIGHTING CONTROL PANEL. REFER TO SINGLE LINE DIAGRAM ON SHEET E-7.1A.

KEY PLAN

SCALE: N.T.S.



LED LIGHTING CONVERSIONS AT BURTON & HIGHLANDS PARKS
BURTON: 900 CHESTNUT ST. SAN CARLOS, CA 94070
HIGHLANDS: 2600 MELENDY DR. SAN CARLOS, CA 94070

ELECTRICAL BURTON PARTIAL SITE PLAN - NEW

REVISIONS	DATE
6	
5	
4	BID SET 11/10/25
3	100% CD 03/14/24
2	95% CD 11/14/23
1	50% CD 08/08/23



SALAS O'BRIEN
[Inspect a Difference]
305 South 21st Street
San Jose, California 95133-2218
408.282.1800 | 408.282.2905 (F)
salas-obrien.com
California | Georgia | Louisiana
Minnesota | Texas | Washington



**DEPARTMENT OF PUBLIC WORKS
SAN CARLOS, CALIFORNIA**

DRAWN BY: SALAS O'BRIEN
PROJ. MGR.: AMY NEWBY
CHECKED BY: HIGHLANDS
PROJECT ID: 20250001

By SCALE: AS NOTED
IN SCALE: AS NOTED
Drawing No.: **E-1.1**
Sheet of 00

GENERAL SHEET NOTES

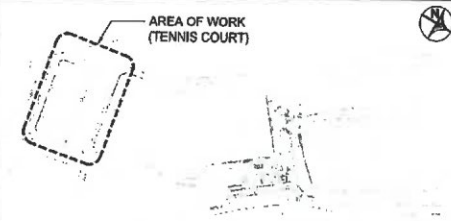
- FIELD VERIFY SYSTEMS ROUTED IN PULLBOXES. PROTECT AND PROVIDE SEALS TO CONDUITS FROM CONSTRUCTION DERRIS. CLEAN UP PULLBOXES AFTER COMPLETION OF WORK. DUCT SEAL ALL CONDUIT AND PROVIDE PULL ROPE FOR ALL SPARE CONDUIT.
- ELECTRICAL DEVICES SHOWN TO BE EXISTING SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION. IF DAMAGED, CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION, OR AS REQUIRED BY CITY.
- ROUTE NEW WIRING THROUGH EXISTING CONDUIT, U.O.N.
- USE #18 AWG. MINIMUM TO WIRE EACH POWER CIRCUIT, U.O.N. USE 1" C. MINIMUM FOR UNDERGROUND POWER CONDUITS, U.O.N.

REFERENCE SHEET NOTES

- REMOVE EXISTING FIXTURES, POLE TO REMAIN.
- REMOVE EXISTING RECEPTACLE AND COVER.
- REMOVE CONTROL BOX, BUTTON, BUZZER, LABEL, AND PADDING.
- REMOVE 120/240V PHIL "PRL-1" RECEPTABLES, LIGHTING CONTROLS, AND 3KVA TRANSFORMER. SEE HIGHLANDS PEDESTAL RETROFIT DEMO PLAN ON DETAIL 7/E-S.2.
- REMOVE OVERRIDE LIGHTING CONTROL, BUTTONS ON SIDE OF PEDESTAL.

KEY PLAN

SCALE: N.T.S.



HIGHLANDS PARTIAL SITE PLAN - DEMO

Scale: 1" = 20' - 0"



LED LIGHTING CONVERSIONS AT BURTON & HIGHLANDS PARKS
 BURTON: 900 CHESTNUT ST, SAN CARLOS, CA 94070
 HIGHLANDS: 2600 MELENDY DR, SAN CARLOS, CA 94070

ELECTRICAL HIGHLANDS PARTIAL SITE PLAN - DEMO

6		
5		
4	BID SET	11/10/25
3	100% CD	03/14/24
2	95% CD	11/14/23
1	50% CD	08/08/23
REVISIONS		DATE



SALASOBRIEN
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 305 South 11th Street
 San Jose, California 95113-2218
 408.362.1040 | 408.207.2998 (F)
 salasobrien.com
 California | Grande | Lindero
 Worcester | Texas | Washington



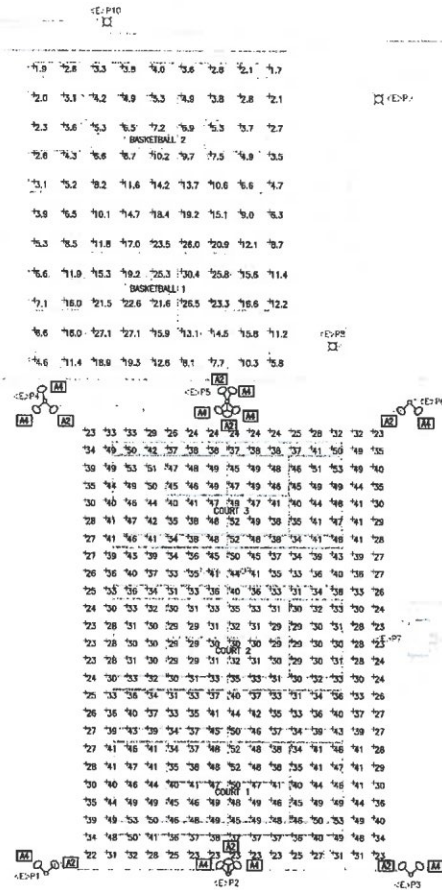
DEPARTMENT OF PUBLIC WORKS
 SAN CARLOS, CALIFORNIA

DRAWN BY: SALAS O'BRIEN
 PROJ. MGR.: AMY NEWBY
 CHECKED BY: HUGH KING

STEVEN J. MACHIDA
 DIRECTOR OF PUBLIC WORKS
 02/19/2024
 PROJECT ID: 20000X

File SCALE: AS NOTED
 V/S SCALE: AS NOTED

Drawing No.
ED-1.2
 Sheet of 25

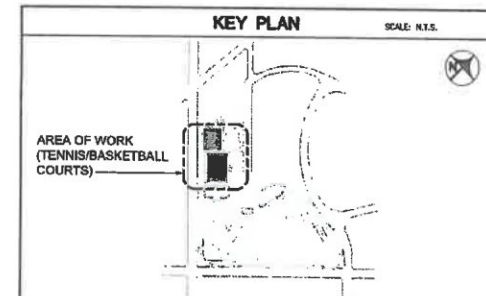


LUMINAIRE SCHEDULE						
TYPE	QTY	LUM. LUMENS	LLF	DESCRIPTION	LUM. WATTS	TOTAL WATTS
[A]	7	56505	0.920	EPH-LS-08-0320K-BLK-57-70-4S-000-LV-AM-TY-AD-VNE-BP-ST	344.2	2409.48
[A]	10	55196	0.920	EPH-LS-08-0320K-BLK-57-70-5S-000-LV-AM-TY-AD-VNE-BP-ST	344.2	3442

CALCULATION SUMMARY										
LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	MIN/MAX	MIN/MAX	CV	PTSPCLR	PTSPCTB
BASKETBALL COURT 1	ILLUMINANCE	FC	15.75	30.4	4.8	3.42	6.81	0.44		
BASKETBALL COURT 2	ILLUMINANCE	FC	5.30	14.2	1.7	3.12	8.35	0.58		
TENNIS COURT 1	ILLUMINANCE	FC	39.81	53	22	1.80	2.41	0.20	6	7
TENNIS COURT 2	ILLUMINANCE	FC	31.84	44	23	1.38	1.91	0.14	6	7
TENNIS COURT 3	ILLUMINANCE	FC	39.80	53	23	1.73	2.30	0.20	6	7

NOTES:

- IESNA RECOMMENDS AVERAGE OF 30 FC FOR RECREATIONAL TENNIS COURT LIGHT LEVELS AND 20 FC FOR RECREATIONAL BASKETBALL COURT LIGHT LEVELS.
- LIGHT FIXTURES HAVE BEEN SET FOR BEST RESULTS ON EXISTING POLES.
- CONTRACTOR TO PROVIDE PHOTOMETRIC VERIFICATION FOR EACH PLAYING SURFACE WITH A MINIMUM OF A 10'x10' GRID. PHOTOMETRIC VERIFICATION TO BE SUBMITTED FOR VERIFICATION TO CITY.
- SPILL LIGHT TO BE MEASURED AT NEIGHBORING PROPERTY LINES AND TO MEASURE BELOW 0.7FC AT HIGHLANDS AND 0.1 AT BURTON. CONTRACTOR RESPONSIBLE FOR ADJUSTING AIMING AND PROVIDING ADDITIONAL SHIELDING TO MEET LIGHT LEVEL REQUIREMENTS.



1 BURTON PARTIAL SITE PLAN - PHOTOMETRICS

SCALE: 1" = 20' - 0"

LED LIGHTING CONVERSIONS AT BURTON & HIGHLANDS PARKS
BURTON: 900 CHESTNUT ST, SAN CARLOS, CA 94070
HIGHLANDS: 2600 MELENDY DR, SAN CARLOS, CA 94070

ELECTRICAL BURTON PARTIAL SITE PLAN - PHOTOMETRICS

NO.	REVISIONS	DATE
6		
5		
4	BID SET	11/10/25
3	100% CD	03/14/24
2	95% CD	11/14/23
1	50% CD	08/08/23



SALAS O'BRIEN
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Minnesota | Texas | Washington



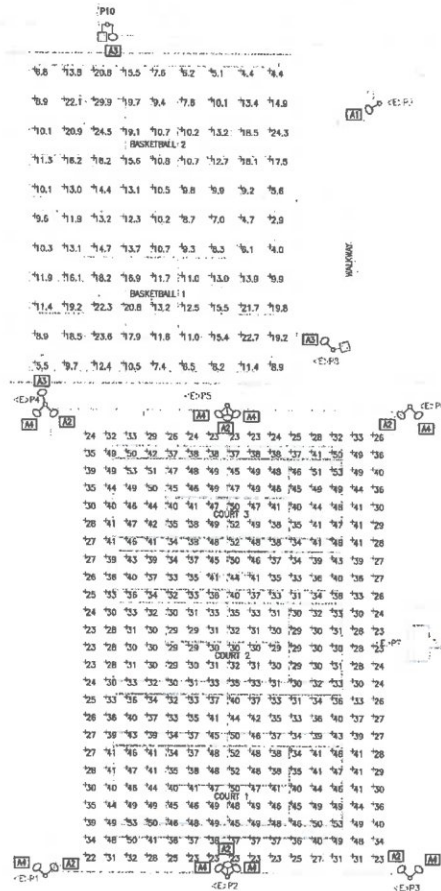
DEPARTMENT OF PUBLIC WORKS
SAN CARLOS, CALIFORNIA

DRAWN BY: SALAS O'BRIEN
PROJ. MGR.: AMY NEWBY
CHECKED BY: HUGH KING

STEVEN J. HAGOBIN
DIRECTOR OF PUBLIC WORKS
03/16/2024
PROJECT ID: XXXXX

HS SCALE: AS NOTED
VS SCALE: AS NOTED

Drawing No.
E-1.3
Sheet of XX



1 BURTON PARTIAL SITE PLAN - BID ALTERNATE #1 - PHOTOMETRICS

SCALE: 1" = 30' - 0"

LED LIGHTING CONVERSIONS AT BURTON & HIGHLANDS PARKS
BURTON: 900 CHESTNUT ST, SAN CARLOS, CA 94070
HIGHLANDS: 2600 MELENDY DR, SAN CARLOS, CA 94070

ELECTRICAL BURTON PARTIAL SITE PLAN - BID ALTERNATE #1 - PHOTOMETRICS

NO.	REVISIONS	DATE
6		
5		
4	BID SET	11/10/25
3	100% CD	03/14/24
2	95% CD	11/21/23
1	50% CD	08/08/23



SALAS O'BRIEN
[expect a difference]
305 South 11th Street
San Jose, California 95113-2218
408.282.0590 | 408.287.2599 (F)
salasobrien.com
California | Georgia | Louisiana
Minnesota | Texas | Washington

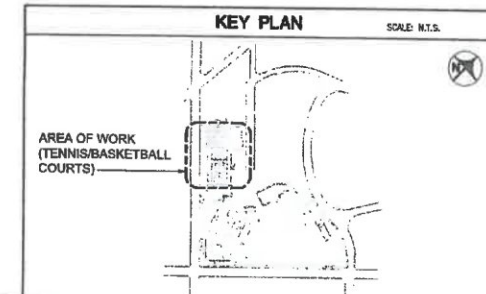


DEPARTMENT OF PUBLIC WORKS
SAN CARLOS, CALIFORNIA

DRAWN BY: SALAS O'BRIEN
PROJ. MGR.: AMY NEWBY
CHECKED BY: HUGH KING
STEVEN J. MACCHIA
DIRECTOR OF PUBLIC WORKS
03/14/2024
PROJECT ID: 20500K

Horizontal Scale: AS NOTED
Vertical Scale: AS NOTED

Drawing No.
E-1.3A
Sheet 1 of 2

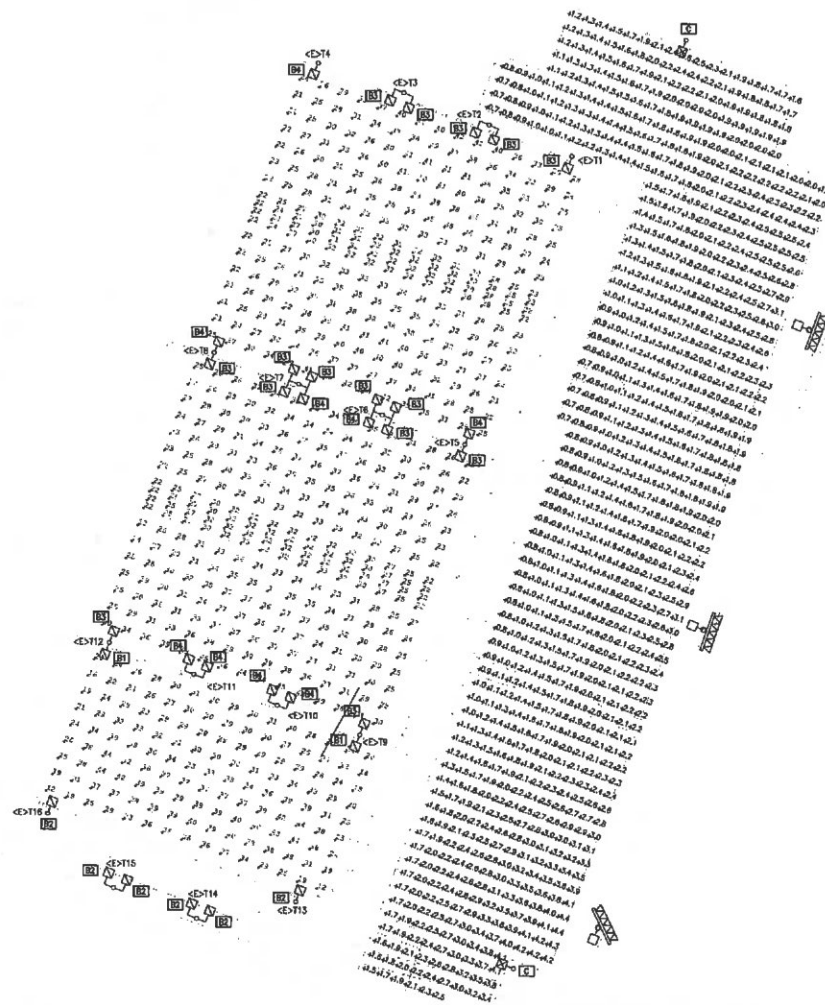


LUMINAIRE SCHEDULE						
TYPE	QTY	LUM. LUMENS	LF	DESCRIPTION	LUM. WATTS	TOTAL WATTS
A1	1	43543	0.920	EPH-LS-06-0320H-BLK-57-70-45-000-LV-AM-TY-AG-CV2-BP-ST	344.2	344.2
A2	6	56625	0.920	EPH-LS-06-0320H-BLK-57-70-45-000-LV-AM-TY-AG-WNE-BP-ST	344.2	2065.2
A3	3	40004	0.920	EPH-LS-06-0320H-BLK-57-70-55-000-LV-AM-TY-AG-CV2-BP-ST	344.2	1032.6
A4	8	55196	0.920	EPH-LS-06-0320H-BLK-57-70-55-000-LV-AM-TY-AG-WNE-BP-ST	344.2	2753.6

CALCULATION SUMMARY										
LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	MIN/AVG	MIN/MAX	CV	FPS/FOUR	FPS/FOUR
TENNIS COURT 1	ILLUMINANCE	FC	58.61	53	22	1.80	2.41	0.20	6	7
TENNIS COURT 2	ILLUMINANCE	FC	31.87	44	23	1.39	1.91	0.14	6	7
TENNIS COURT 3	ILLUMINANCE	FC	39.85	53	23	1.73	2.30	0.20	6	7
BASKETBALL COURT 1	ILLUMINANCE	FC	13.30	23.6	4.0	3.33	5.90	0.37		
BASKETBALL COURT 2	ILLUMINANCE	FC	13.26	29.9	4.4	3.01	6.80	0.43		

NOTES:

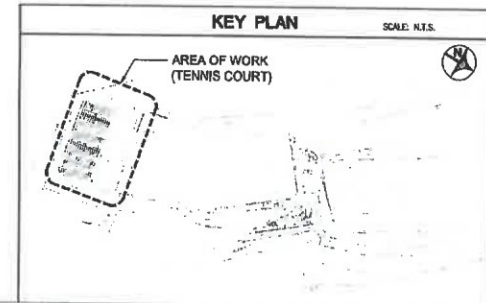
- IESNA RECOMMENDS AVERAGE OF 30 FC FOR RECREATIONAL TENNIS COURT LIGHT LEVELS AND 20 FC FOR RECREATIONAL BASKETBALL COURT LIGHT LEVELS.
- LIGHT FIXTURES HAVE BEEN SET FOR BEST RESULTS ON EXISTING POLES.
- CONTRACTOR TO PROVIDE PHOTOMETRIC VERIFICATION FOR EACH PLAYING SURFACE WITH A MINIMUM OF A 10'x10' GRID. PHOTOMETRIC VERIFICATION TO BE SUBMITTED FOR VERIFICATION TO CITY.
- SPILL LIGHT TO BE MEASURED AT NEIGHBORING PROPERTY LINES AND TO MEASURE BELOW 0.7FC AT HIGHLANDS AND CL1 AT BURTON. CONTRACTOR RESPONSIBLE FOR ADJUSTING AIMING AND PROVIDING ADDITIONAL SHIELDING TO MEET LIGHT LEVEL REQUIREMENTS.



LUMINAIRE SCHEDULE						
TYPE	QTY	LUMENS	LIGHT LOSS FACTOR	DESCRIPTION	LUM. WATTS	TOTAL WATTS
[B1]	2	17239	0.920	EPH-VN-03-D-YV-BK-LOF-ADL-740-747T-AMS-A07-NH-HSS	184.1	368.2
[B2]	6	48004	0.920	EPH-VN-08-D-YV-BK-LOF-ADL-740-68-AMS-A07-NH-HSS	498.3	2989.8
[B3]	15	50421	0.920	EPH-VN-05-D-YV-BK-LOF-ADL-740-747T-AMS-A07-NH-ST	488.3	7324.5
[B4]	9	35830	0.920	EPH-VN-05-D-YV-BK-LOF-ADL-740-747T-AMS-A07-NH-HSS	488.3	4394.7
[E]	2	29108	0.920	GMN-SMC-740-U-SWD	213	426

CALCULATION SUMMARY						
LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	MIN/AVG
COURT 1	ILLUMINANCE	FC	31.75	42	21	1.51
COURT 2	ILLUMINANCE	FC	31.10	43	21	1.49
COURT 3	ILLUMINANCE	FC	30.04	37	22	1.37
COURT 4	ILLUMINANCE	FC	31.09	46	22	1.45
COURT 5	ILLUMINANCE	FC	31.30	44	12	2.61

- NOTES:**
- IESNA RECOMMENDS AVERAGE OF 30 FC FOR RECREATIONAL TENNIS COURT LIGHT LEVELS AND 20 FC FOR RECREATIONAL BASKETBALL COURT LIGHT LEVELS.
 - LIGHT FIXTURES HAVE BEEN SET FOR BEST RESULTS ON EXISTING POLES.
 - CONTRACTOR TO PROVIDE PHOTOMETRIC VERIFICATION FOR EACH PLAYING SURFACE WITH A MINIMUM OF A 10'x10' GRID. PHOTOMETRIC VERIFICATION TO BE SUBMITTED FOR VERIFICATION TO CITY.
 - SPILL LIGHT TO BE MEASURED AT NEIGHBORING PROPERTY LINES AND TO MEASURE BELOW 0.7% AT HIGHLIGHTS AND 0.1 AT SHADOWS. CONTRACTOR RESPONSIBLE FOR ADJUSTING AWING AND PROVIDING ADDITIONAL SHIELDING TO MEET LIGHT LEVEL REQUIREMENTS.



1 HIGHLANDS PARTIAL SITE PLAN - PHOTOMETRICS
SCALE: 1" = 30' - 0"

LED LIGHTING CONVERSIONS AT BURTON & HIGHLANDS PARKS
 BURTON: 900 CHESTNUT ST. SAN CARLOS, CA 94070
 HIGHLANDS: 2600 MELENDY DR. SAN CARLOS, CA 94070
ELECTRICAL HIGHLANDS PARTIAL SITE PLAN - PHOTOMETRICS

NO.	REVISIONS	DATE
6	BID SET	11/10/25
5	100% CD	03/14/24
3	95% CD	11/14/23
2	50% CD	08/08/23



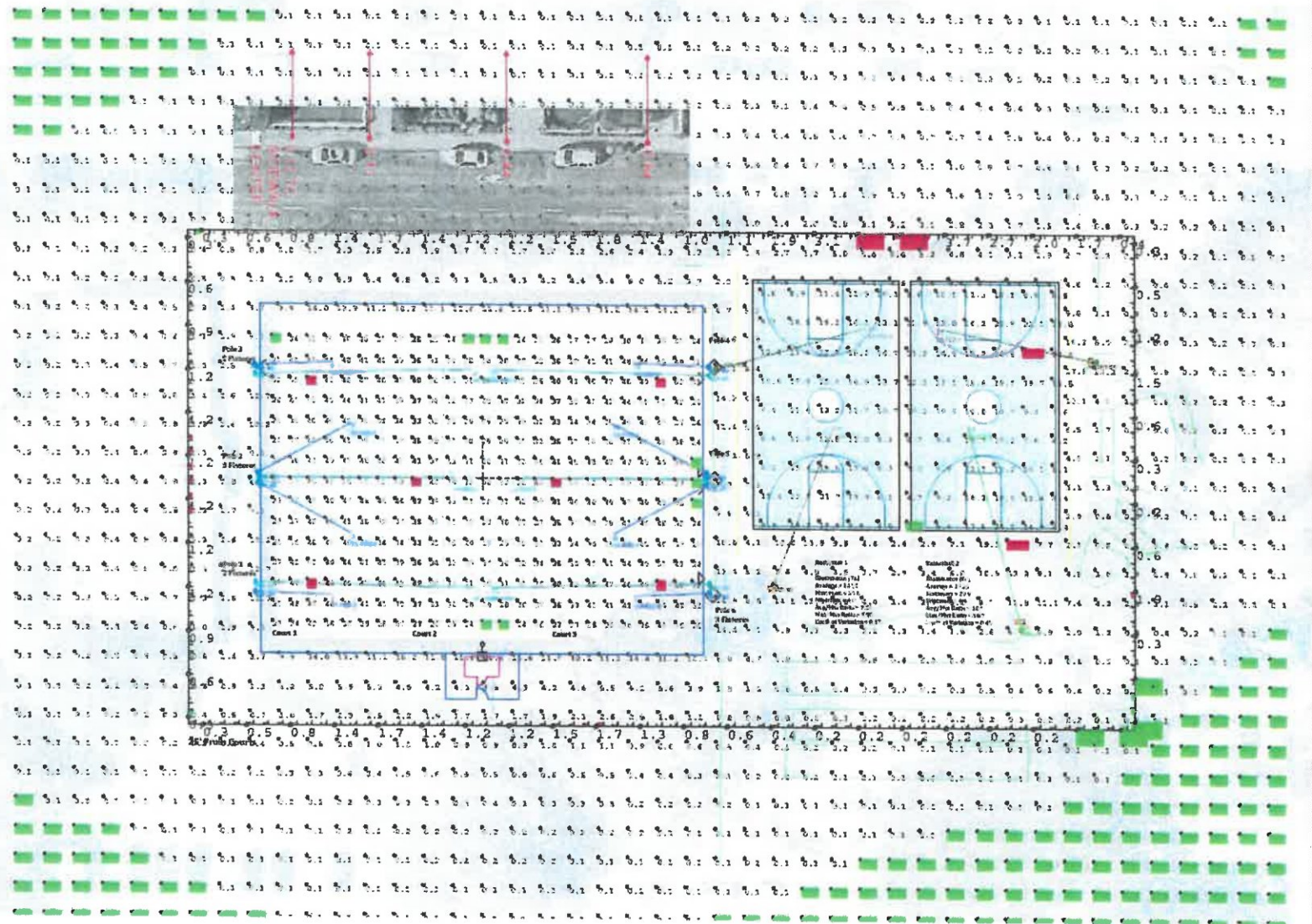
SALASOBRIEN
 [expect a difference]
 303 South 11th Street
 San Jose, California 95133-2528
 408.265.1200 | 408.297.2999 (F)
 salasobrien.com
 California | Oregon | Louisiana
 Minnesota | Texas | Washington



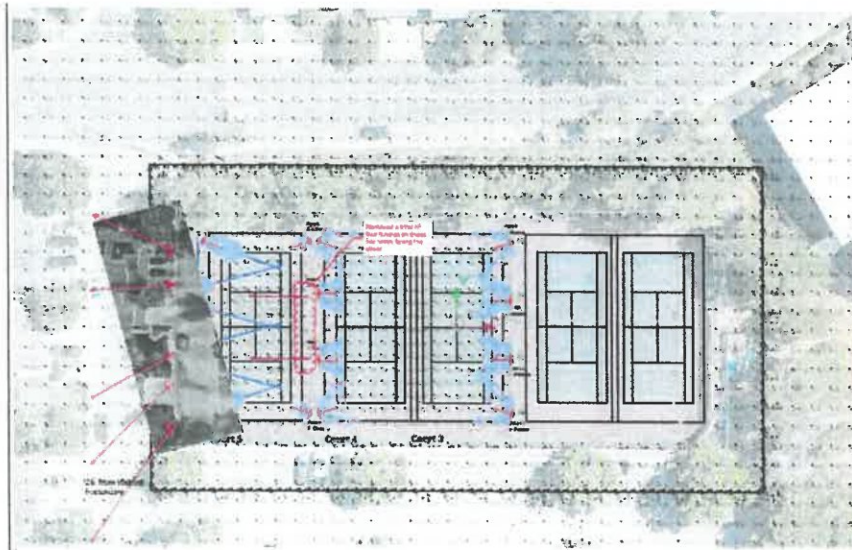
DEPARTMENT OF PUBLIC WORKS
 SAN CARLOS, CALIFORNIA
 DRAWN BY: SALASOBRIEN
 PROJ. MGR.: AMY NEWBY
 CHECKED BY: HUGH KING
 STYVEN J. MACINNES
 DIRECTOR OF PUBLIC WORKS
 02/16/2024
 PROJECT ID: XXXXXX

HY SCALE: AS NOTED
 VS SCALE: AS NOTED
 Drawing No. **E-1.4**
 Sheet of XX

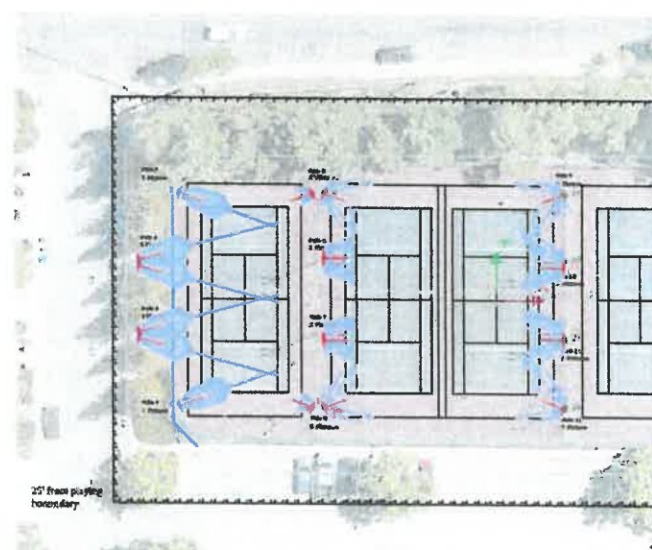
165
150
135
120
105
90
75
60
45
30
15
0
-15
-30
-45
-60
-75
-90
-105
-120
-135
-150



Highlands Park Existing Light Measure vs. Proposed
Existing measure included as part of satellite image



HORIZONTAL ILLUMINANCE LEVELS @ 3 FT AFG
Scale: 1 inch= 20 Ft.



LUMINAIRE AIMING SCHEMATIC
Scale: 1 inch = 16 Ft.

[illegible]

Feeding times: Blue is tolerant for Absorbent Di. Skills in French, German, English and all kinds of dialects.
 Feeding times: Blue is tolerant for Absorbent Di. Skills in French, German, English and all kinds of dialects.
 Feeding times: Blue is tolerant for Absorbent Di. Skills in French, German, English and all kinds of dialects.

Year	Gender	Age	Mean	SD	Age SD	Standard Error
Grade 7 (Grade = 7)	Male	F ₁	1.00	0.1	0.1	0.05
Grade 8	Male	F ₂	0.99	0.2	0.2	0.05
Grade 9	Male	F ₃	0.99	0.2	0.2	0.05
Grade 10	Male	F ₄	0.99	0.2	0.2	0.05
Grade 11	Male	F ₅	0.99	0.2	0.2	0.05
Grade 12	Male	F ₆	0.99	0.2	0.2	0.05

Lithium-ion battery: 100 Wh/kg		Lithium-Poly		Overall	
Category	Value	1	2	Overall	1.0
1	100 Wh/kg	100	100	100	100
2	100 Wh/kg	100	100	100	100
3	100 Wh/kg	100	100	100	100
4	100 Wh/kg	100	100	100	100
5	100 Wh/kg	100	100	100	100
6	100 Wh/kg	100	100	100	100
7	100 Wh/kg	100	100	100	100
8	100 Wh/kg	100	100	100	100
9	100 Wh/kg	100	100	100	100
10	100 Wh/kg	100	100	100	100
11	100 Wh/kg	100	100	100	100
12	100 Wh/kg	100	100	100	100
13	100 Wh/kg	100	100	100	100
14	100 Wh/kg	100	100	100	100
15	100 Wh/kg	100	100	100	100
16	100 Wh/kg	100	100	100	100
17	100 Wh/kg	100	100	100	100
18	100 Wh/kg	100	100	100	100
19	100 Wh/kg	100	100	100	100
20	100 Wh/kg	100	100	100	100

[illegible]

County of San Mateo
Clerk-Recorder
Mark Church
555 County Center
Redwood City, CA 94063
(650) 363-4500

Receipt No.: RPT20250072834

Finalization No.: 2025071604

Cashier: 14

Register: 022

Date/Time: 12/12/2025 09:21 AM

Item	Title	Count
1	NOE	1
NOTICE OF EXEMPTION		
Document No.:		129385
Filing Time:		09:21 AM
Filing Total:		\$50.00
Filing Fee:		\$50.00
Total Amount Due:		\$50.00
Total Paid		
Credit Card Tendered:		\$50.00
#12391		
Amount Due:		\$0.00

THANK YOU
PLEASE RETAIN THIS RECEIPT
FOR YOUR RECORDS

<https://www.smoacre.gov/>



12/12/2025 09:21 AM