TWISTED OAKS POINTE

COMMUNITY DEVELOPMENT DISTRICT

July 10, 2023

BOARD OF SUPERVISORS

REGULAR MEETING AGENDA

TWISTED OAKS POINTE

COMMUNITY DEVELOPMENT DISTRICT

AGENDA LETTER

Twisted Oaks Pointe Community Development District

OFFICE OF THE DISTRICT MANAGER
2300 Glades Road, Suite 410W●Boca Raton, Florida 33431
Phone: (561) 571-0010●Toll-free: (877) 276-0889●Fax: (561) 571-0013

ATTENDEES:
Please identify yourself each time you speak to facilitate accurate transcription of meeting minutes.

July 3, 2023

Board of Supervisors
Twisted Oaks Pointe Community Development District

Dear Board Members:

The Board of Supervisors of the Twisted Oaks Pointe Community Development District will hold a Regular Meeting on July 10, 2023 at 11:30 a.m., at 7764 Penrose Place, Wildwood, Florida 34785. The agenda is as follows:

1. Call to Order/Roll Call
2. Public Comments
3. Consideration of Street Light Proposals
4. Acceptance of Unaudited Financial Statements as of May 31, 2023
5. Approval of May 8, 2023 Regular Meeting Minutes
6. Staff Report
   - A. District Counsel: *Kutak Rock LLP*
   - B. District Engineer (Interim): *Morris Engineering and Consulting, LLC*
   - C. District Manager: *Wrathell, Hunt and Associates, LLC*
     - 0 Registered Voters in District as of April 15, 2023
     - NEXT MEETING DATE: August 14, 2023 *at the later of 1:30 p.m., or conclusion of Beaumont CDD Meeting*
       - QUORUM CHECK

SEAT 1	CANDICE SMITH	☐ IN PERSON	☐ PHONE	☐ NO
SEAT 2	JOHN CURTIS	☐ IN PERSON	☐ PHONE	☐ NO
SEAT 3	GREG MEATH	☐ IN PERSON	☐ PHONE	☐ NO
SEAT 4	TROY SIMPSON	☐ IN PERSON	☐ PHONE	☐ NO
SEAT 5	JARED LYBBERT	☐ IN PERSON	☐ PHONE	☐ NO

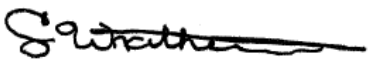
7. Board Members' Comments/Requests

8. Public Comments

9. Adjournment

If you should have any questions or concerns, please do not hesitate to contact me directly at (561) 719-8675 or Ernesto Torres at (904) 295-5714.

Sincerely,



Craig Wrathell
District Manager

FOR BOARD MEMBERS AND STAFF TO ATTEND BY TELEPHONE
CALL-IN NUMBER: 1-888-354-0094
PARTICIPANT PASSCODE: 413 553 5047

TWISTED OAKS POINTE

COMMUNITY DEVELOPMENT DISTRICT

3

Off-Grid Lighting & Sensing

Technical & Financial Proposal

Twisted Oaks

Recovered Energy technologies

Questions: (613) 867 6928 or
Joel.brayman@recoveredenergytechnologies.com

Twisted Oaks Pointe Community Streetlight Proposal
City of Wildwood, Sumter County, Florida
Wednesday March 8th, 2023

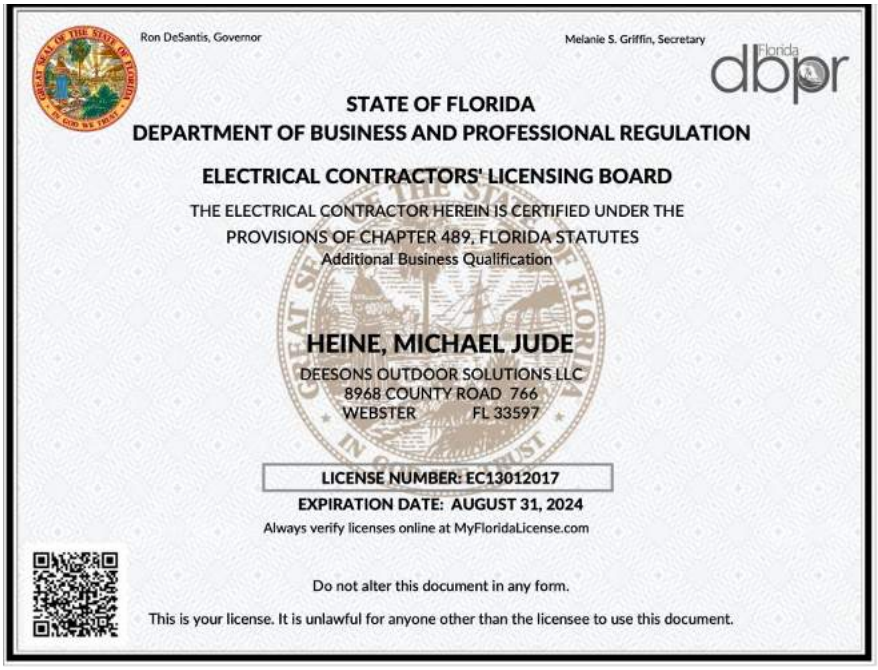
Table of Contents

RESPONSE TO SPECIFIC TWISTED OAKS PROPOSAL REQUIREMENTS

1. LOCAL, STATE AND FEDERAL LICENSES.

Recovered Energy Technologies USA Inc.
Solar Light as a Service™ Inc.
5824 Bee Ridge Road
Sarasota FL, 34233

Deeson's Outdoor Solutions LLC is our licensed electrician of record and licensed to perform all the work required by this RFP in Sumter County and the State of Florida.



Ron DeSantis, Governor

Melanie S. Griffin, Secretary

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ELECTRICAL CONTRACTORS' LICENSING BOARD

THE ELECTRICAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES
Additional Business Qualification

HEINE, MICHAEL JUDE
DEESONS OUTDOOR SOLUTIONS LLC
8968 COUNTY ROAD 766
WEBSTER FL 33597

LICENSE NUMBER: EC13012017
EXPIRATION DATE: AUGUST 31, 2024
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

2. SCHEDULE

RET is a 'Just in Time' (JIT) manufacturer and can deliver streetlights within 12 – 16 weeks from the execution of any Solar Light as a Service Master Agreement or Purchase Order (PO). Each Master Agreement contains project "Work Orders" for specific projects and phases and RET can start deploying streetlights within 7 days of any written request (work order) by the district once we receive lights.

Additionally, we expect to always have more than 200 lights in inventory and available for immediate deployment by or before June 1st, 2023.

3. EXPERIENCE

RET has extensive experience in all aspects of off-grid lighting. RET is the manufacturer of ONall365 Solar Streetlights, arguably the most capable off-grid lights in the world. RET's management team is highly experienced from the actual design, engineering, and manufacturing of off-grid lights; to formal project management training; design engineering and production of telecommunications (IoT) including smart city capabilities, and finally, the implementation of a first in class, comprehensive off-grid lighting funding program.

Part of RET's experience in the off-grid lighting market has been the development of a Solar Light as a Service™ program - a world first. The SLaaS funding program was developed in conjunction with leading institutional funding partners. To date, this program has been used by Kolter Land Partners, DR Horton, and Pulte Homes.

https://www.youtube.com/watch?v=IK4Sny4YhjE

A brief overview of key team members follows:

Joel D Brayman
Managing Partner
Joel.brayman@recoveredenergytechnologies.com
(613) 867-6928

Joel is a seasoned professional with over 35 years of progressively responsible leadership and management experience in both the public and private sectors. A retired Navy veteran, he has directly led and managed all aspects of business performance including business development, financials (cash flow, profit, revenue, orders), strategic planning, recruiting and selection of staff, and project and program management. Experience that spans fortune 500 companies to start ups, he has formal training as a recruiting and selection officer; communications specialist; project manager, including PMI and has worked in numerous executive positions. He has been leading technology & renewable energy projects for the past 10 years.

T Brad Carlson
Managing Partner
Brad.carlson@recoveredenergytechnologies.com
(307) 250-4665

Brad has 30 years of construction experience in the New York Metropolitan and New England area. Since 2007 he has embraced a platform of energy efficiency, scientific building techniques, renewable/alternative energy, battery storage and waste to energy technology. With systems designed and installed throughout the US and Caribbean he is well placed to offer the best all round

comprehensive solution for any project. Brad has managed and installed off-grid streetlights for the past 5 years.

Clay Perrault
Chief Technical Advisor
Clay.perrault@receoveredenergytechnologies.com
(917) 291-2927

An entrepreneurial business executive with 25+ years of global experience leading hardware and software development teams in a multitude of industries. His initiatives range from start-ups to public companies spanning multiple industries in electronics, wireless telecoms, factory automation, remote sensing IOT, rail, and aircraft sectors. His hands-on experience in cloud-based data analytics, wireless, electronics engineering and manufacturing bring a vast array of knowledge and experience to lead RET's technical engineering and design team.

Jade Perrault
Lead Engineering & Design
Jade.perrault@recoveredenergytechnologies.com

Jade is a senior red seal electrician with 30+ years' experience in industrial, commercial, and residential construction. He is an accomplished electronics technician who manages our programming and design effort's.

RET Project Experience

Kolter Land Partners:

- Serenoa Villages - Avalon Groves
- Serenoa Villages - Sawgrass Boulevard
- Serenoa Lakes

DR Horton:

- Palms of Serenoa
- Edgemont Base

Mattamy Homes:

- West Villages Amenities Centre
- West Villages Dog Park
- Orlando Sales Center
- Disney Celebration

Longboat Key Club

- Mexico Drive

4. FINANCIAL CAPACITY

RET created its Solar Light as a Service ™ program with the financial backing of Hutton Capital Management out of NYC. The program is fully funded and any requirement to demonstrate financial capacity can be forwarded.

RET Insurance Certificate: RET is fully insured, and its general liability certificate is attached, in addition to the Insurance certificate of our lead installation company.

Installers Insurance Certificate:

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 1/5/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Guided Insurance Solutions, LLC dba The Villages Insurance Partners 1031 Lake Sumter Landing The Villages FL 32162	**CONTACT NAME:** **PHONE (A/C, No, Ext):** 800-753-6784 **FAX (A/C, No):** **E-MAIL ADDRESS:**
	INSURER(S) AFFORDING COVERAGE — **NAIC #** **INSURER A :** Hallmark Specialty Insurance C — 26808 **INSURER B :** **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**
INSURED DEESOUT-01 Deeson's Outdoor Solutions LLC dba Deeson's Outdoor Solutions 8968 CR 766 Webster FL 33597	

COVERAGES **CERTIFICATE NUMBER:** 1733024580 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC OTHER:	Y	Y	G09406898-0	11/7/2022	11/7/2023	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
	AUTOMOBILE LIABILITY ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS HIRED AUTOS ONLY NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
	UMBRELLA LIAB OCCUR **EXCESS LIAB** CLAIMS-MADE DED RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / A **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ $ $

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Certificate Holder is included as Additional Insured with respect to General Liability if required by written contract and subject to terms, conditions and exclusions of the policy.

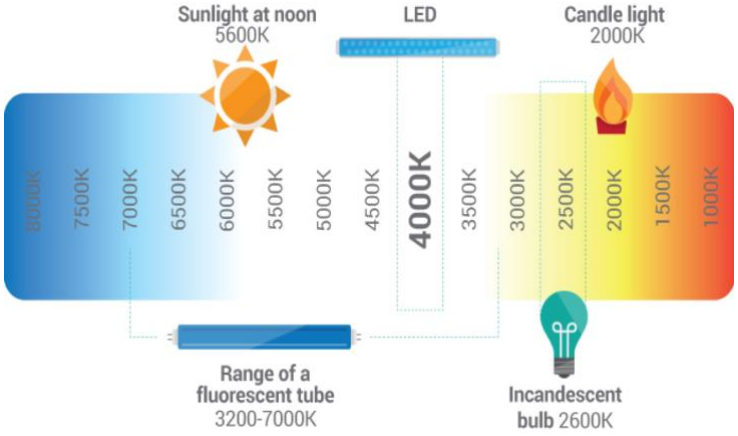
CERTIFICATE HOLDER	**CANCELLATION**
Sumter County Building Department 7375 Powell Road, Suite 115 Wildwood FL 34785	**SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.** **AUTHORIZED REPRESENTATIVE**

ACORD 25 (2016/03) The ACORD name and logo are registered marks of ACORD

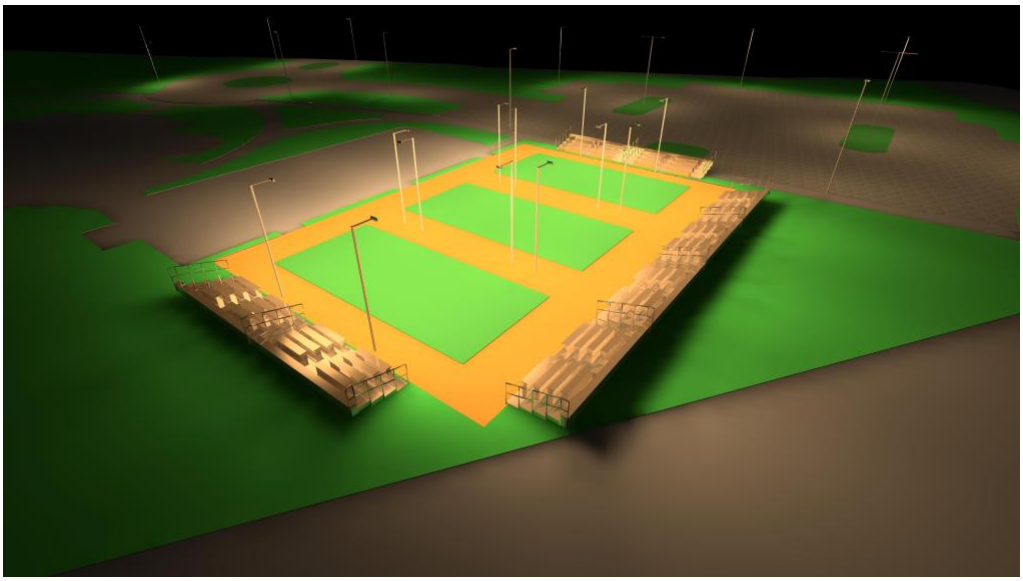
5. TECHNICAL COMPLIANCE

RET lights meet all the technical compliance requirements listed in the RFP document.

1. 4000 Kelvin Light color temperature: RET will use 4000 Kelvin Philips Fotimo LED modules in the fixtures for Twisted Oaks. It is worth noting that RET can offer light color temperature ranging from 3000 kelvin through 6500 kelvin.



2. USPA recreational requirements of and average of 30 Fc on the ground and uniformity of 3:1.

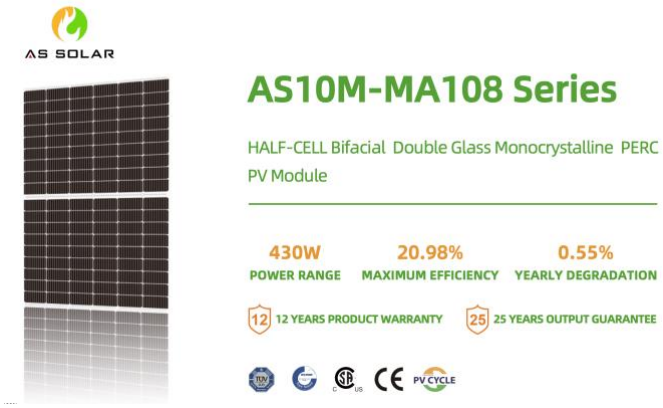


RET security & sports court lighting exceeds the USPA requirements for recreational sports court lighting. We achieve an unprecedented average of 34 Fc of light and uniformity of 2:1 using off-grid lighting packages.

RET Photometric Results using 135-watt fixtures and 120 Ah batteries.

PROJECT:	Pickleball Courts	Recommended	Comply
Average Fc	34.6	30.0	Exceed
Uniformity	2:1	3:1	Exceed

3. <u>395 Watt – bifacial solar module</u>. RET maximizes solar energy harvest by using a frameless 395-watt clear back sheet (or greater) solar module with all it lights. RET will use an <u>upgraded</u> 430 watt bi-facial panel for Twisted Oaks. Using bi-facial panels ensures that energy is harvested even on days with inclement weather.



4. Battery Size: RET uses a modular design with its lights and can deploy Power Packs with batteries that range from 40 Ah through 120 Ah. By leveraging larger capacity batteries, RET can provide lighting 365 days a year at 100% of the desired intensity – with no requirement to dim the lights each night.

5. Warranty: RET provides a full 10-year warranty on its lights, including a non-pro-rated 10 year warranty on the battery.

6. SMART CITY CAPABILITIES: RET lights are capable of any number of smart city functions, including monitoring of a wide range of sensors, including traffic, noise, and air quality.

   RET lights use advanced cloud-based learning software to optimize lighting profiles based on dozens of parameters; including time of day, season, forecast temperature and weather, levels of air contamination, special events, historical and current motion sensing and more. The systems use local weather forecasts to analyze trends and adjust lighting parameters to ensure optimum light, power conservation and guarantee lighting 365 night a year under any weather conditions.

7. MOTION SENSORS: RET lights come with built-in motion sensors.

8. <u>BELL HEADS & GOOSE NECK ARMS</u>: RET lights come in variety of styles and colors including bell heads with goose neck arms, meeting the requirement.


9. STREETLIGHT POLES: RET lights come with integrated, made in America, composite direct burial poles, with options for aluminum, or cement poles for specific applications. Our lighting packages are rated and stamped to CAT 5 wind speeds.

FDH VELOCITEL
ENGINEERING INNOVATION

Alliance Composites Inc.

FDH Velocitel – 4521 Meridian Drive, Raleigh, NC 27616
Ph. 919.755.1012 – Fax 919.755.1031

Alliance Composites Inc. – P.O. Box 24, McGaheysville, VA 22840
Ph. 540.289.7770 – Fax 540.289.5353

Fiber-Reinforced Composite Lighting Pole Calculations

Project Info & Details	
Customer Name:	Light Poles Plus
Job Name:	Site Secure
Address:	
City:	State: FL
Pole Catalog Number:	AH16AHDN1-6"TIP
Latitude, Longitude:	
Building Code:	2015 IBC

Referenced Codes
- *2017 Florida Building Code, 6th Edition*
- *ASCE 7-10: Minimum Design Loads for Buildings and Other Structures*
- *2013 AASHTO LTS, 6th Edition*
- *2012 ANSI C136.20*
- *ASTM D4923-01*

Site Parameters		
Exposure Category:	C	-
Ultimate Wind Speed:	180	mph
Nominal Wind Speed:	139.4	mph

Result Summary		
Max Pole EPA (Testing Values):	6	ft²
Max Test Load (Testing Values):	406.5	lbs
Max Calculated Load:	387.6	lbs
Percent Capacity:	95.4%	-
Code Specified Deflection Limit:		
Deflection Limit of Structure Height (Per ASTM D4923):	10%	-
Deflection < 14 inches @ 194		lbs
Client Specified Deflection Limit:		
Does the Client have Deflection Requirements?	No	

Pole Geometry		
Pole Length:	17	ft
Height Above Grade:	12	ft
Embedment Depth:	5.0	ft
Test Height:	11	ft
Top Diameter:	6.5	in
Pole Taper:	0.14	in/ft
Bottom Diameter:	8.88	in
Diameter @ Embedment:	8.18	in
Diameter @ Centriod:	7.37	in
Diameter @ Test Height:	6.64	in

Design Parameters		
Pole Class:	II	-
Design Life :	25 yr	-
Area Type:	Proj. Area	
Proposed (Luminaire + Arm) Proj. Area:	4	ft²
Proposed Luminaire Shape:	Round	
Additional Proj. Area (Shroud, Antennas):	1.5	ft²
Additional Proj. Area Shape:	Round	-
Additional Proj. Area Diameter:	5 1/2	in
Center Height of Additional Proj. Area:	10	ft
Weight of Luminaire:	100	lbs
*Luminaire Arm Length:	0	ft
*Luminaire Arm Diameter:	0	in
Consider Embedment Design?:	Yes	-

*If luminaire flush-mounted, enter zero for arm length

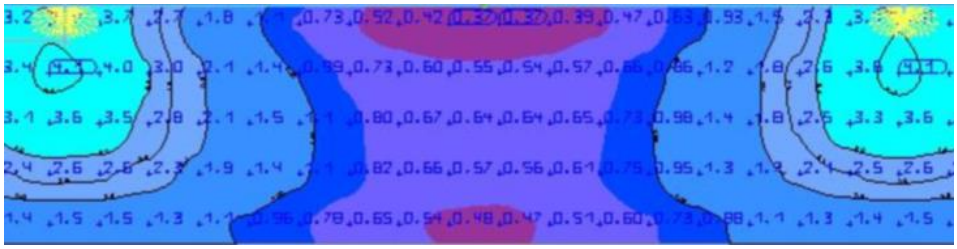
Embedment Design		
S_3, Soil Class:	4	-
Embedment (Design):	5.00	ft
Embedment (Required):	4.71	ft
Embedment Check:	OK	-

DENNIS DANIEL ABEL – LICENSE No. 62750 – STATE OF FLORIDA – PROFESSIONAL ENGINEER

Wednesday, May 23, 2018
Velocitel, Inc. COA 28282
5-23-2018

This engineering analysis is based on the tested capacity of fiber-reinforced composite poles, and is not an assessment of the condition of the analyzed pole. It is the responsibility of Alliance Composites, Inc. to verify that the structure analyzed is the correct structure. If there are parameters included in this analysis that are not accurate, FDH Velocitel should be notified immediately so that a revised analysis may be performed. All services provided exercise a level of diligence equivalent to the expected standards our profession. No other warranty or guarantee, expressed or implied, is offered. Unless signed and sealed by a professional engineer, this analysis tool is intended to be for internal estimation purposes only. The use of engineering work is limited to the expressed purpose for which it was commissioned and may not be reused, copied, or distributed for any purposed without the written consent of FDH Velocitel.

Version: 3 Issue Date: 3/2/2018



10. PHOTOMETRICS & LIGHTING STUDIES:

RET completes Photometric and lighting studies in house and will provide Twisted Oaks with a complete Photometric study including pole placement, in both pdf and .dwg formats.

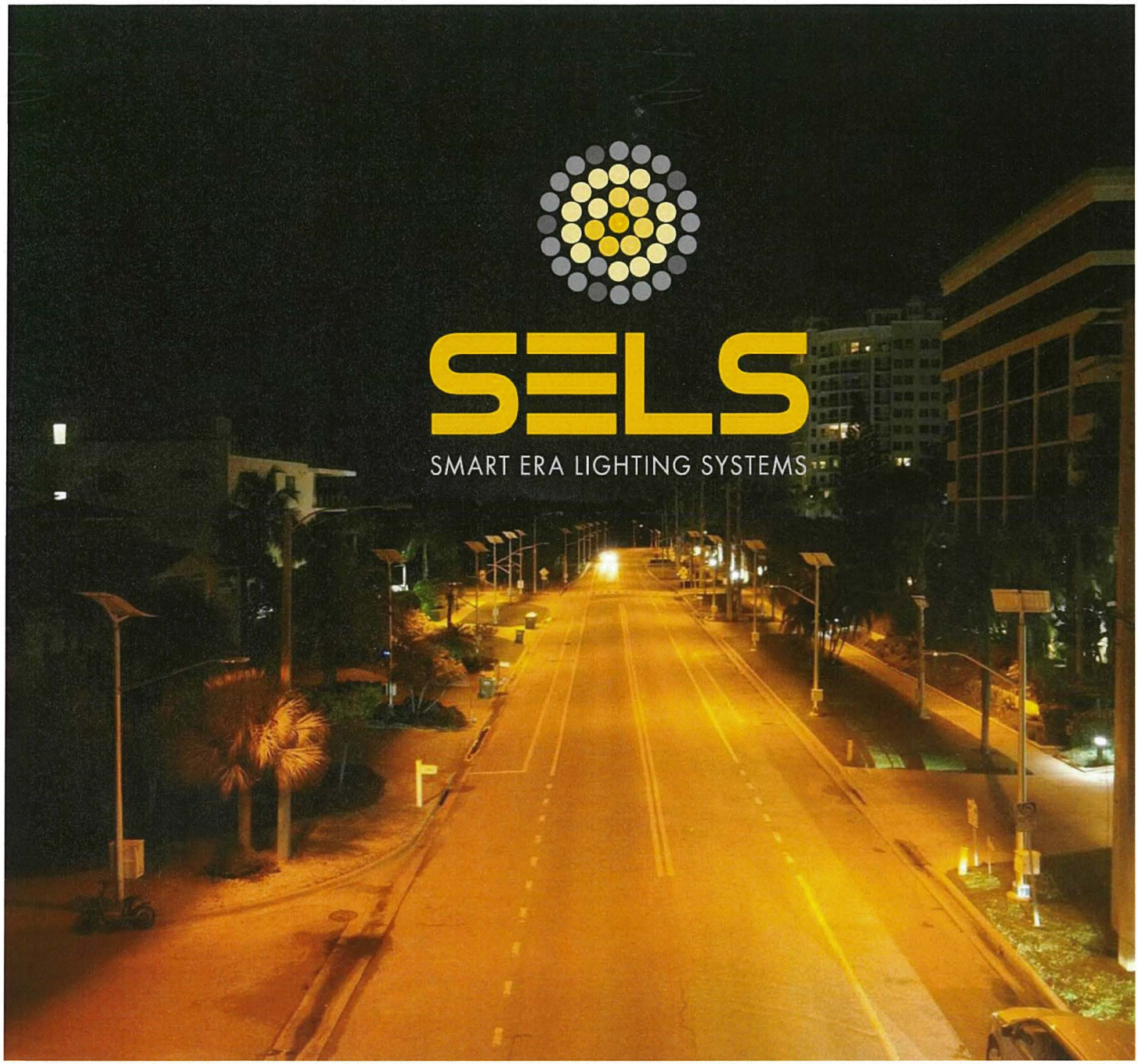
RET follows the Illuminating Engineering Society (IES) standards and makes recommendations for lighting placement based on meeting these standards, local ordinances, or client requirements.

11. FINANCIAL PROPOSAL

Solar Light as a Service is a comprehensive lighting program that includes all upgrades, maintenance, and repairs, in addition to mid-life cycle replacement of all batteries and LED's where necessary. This turn-key package that includes all installation costs.

The lights proposed for Twisted Oaks are $50.00 per month per pole plus highly recommended $2.50 per month per pole for real-time online monitoring displayed on a custom Twisted Oaks dashboard that will be accessible to the community.

The online dashboard includes public access to the health of the streetlights along with local weather information, air quality data and any other sensor data added to the network.



ATTN: Craig Wrathell
Response to
Streetlight Proposal
Twisted Oaks Community Development District

March 22, 2023

WWW.SELSsolar.com

4747 KESTER MILL RD
WINSTON SALEM, NC 27103

PROPOSAL INDEX

SELS

SMART ERA LIGHTING SYSTEMS

INTRODUCTION LETTER

TWISTED OAKS POINTE COMMUNITY
SOLAR STREET LIGHTS

ILLUMINATING YOUR WORLD WITH THE POWER OF THE SUN

www.SELSsolar.com

4747 Kester Mill Rd.
Winston-Salem, NC 27103

Smart Era Lighting Systems
Illuminating Your World with the Power of the Sun

Wrathell, Hunt and Associates, LLC
Craig Wrathell
District Manager
Twisted Oaks Community Development District
2300 Glades Rd Suite 410W
Boca Raton, FL 33431

March 22, 2023

SELS USA LLC
4747 Kester Mill Rd
Winston-Salem, NC 27103
704-495-3535

SELS (Smart Era Lighting Systems) is pleased for the opportunity to present Wrathell, Hunt Associattes LLC with solar lighting for the Twisted Oaks Community Development.

SELS has been a leader in the solar lighting industry since 2013, with successful projects worldwide. As a leader in solar innovation, we are excited to present the enclosed proposal.

SELS is a designer and manufacturer of high-quality off-grid solar outdoor amenity products. We focus on performance, reliability, and aesthetics when designing our systems. We focus exclusively on providing products for government, commercial, and institutional customers, as reflected by the overall quality of our products.

It is essential to mention that solar products need to be engineered based on location and project specifics. However, after evaluating your needs, we feel confident we can offer you the best solar lighting solution for this project.

SELS fully understands the requirements and acknowledges the specific needs. Enclosed is our proposal, including necessary systems specifications, with a technical explanation of the items.

Based in NC, SELS employs American engineers and design professionals to support our domestic supply chain. In addition, we possess strong relationships with local manufacturers, making SELS an innovator in the solar lighting industry.

The enclosed proposal and pricing shall remain valid for 75 days, and our engineering team will be available to help with any questions or information you may need.

Sincerely,

Andrew Randall

Andrew Randall
Sales Director at SELS SOLAR - Smart Era Lighting Systems
4747 Kester Mill Rd Winston-Salem Nc 27103

Mobile: +17044951978
Work: Arandall@selssolar.com

Save My Contact

EXECUTIVE SUMMARY TWISTED OAKS POINTE SOLAR LIGHTING PROPOSAL

Smart Era Lighting Systems (SELS) is proposing to offer a comprehensive package of solar light assembly units, installation services, and support for the Twisted Oaks Solar Lighting Installation project. The project entails installing 188 solar powered streetlights to cover the length of the roadway of the Twisted Oaks Community Development District.

SELS is committed to providing Twisted Oaks lighting solutions that comply to the FDOT standards for roadway illumination ensuring that we meet these requirements. We have placed utmost priority on basing our proposal on the FDOT Design Manual, Topic:# 625-000-002, Lighting Levels of other Roadways, which comprehensively outlines the minimum illumination levels for various roadway classifications.

Drawing from our extensive experience and technical expertise, we are highly confident in our ability to meet all of the project's specifications in compliance with FDOT regulations and project specifications.

SELS has been designing, manufacturing, and installing off-grid lighting systems since 2013, and we have completed hundreds of installations in 14 countries worldwide. Our extensive experience and expertise guide every project, prioritizing performance and reliability in all design considerations.

For the Twisted Oaks Solar Lighting Installation project, SELS will provide its STL-Series streetlight, which is a durable and reliable product featuring a sleek design that can be adjusted to produce any light output up to 15,000 lumens and a range of lighting distributions based on the site's needs.

SELS' off-grid solar systems are renowned for their reliability and extended service life. We utilize NREL National Solar Database Physical Solar Model data in every design and employ top-tier components to guarantee performance.

SELS is well-equipped to provide the necessary resources and dedicated attention required for a successful installation of the solar lighting system for the Twisted Oaks community. Our forward-thinking concepts and dependable designs make us the ideal partner for Twisted Oaks.

SELS is committed to providing excellent customer service, and we will work closely with the Twisted Oaks community to ensure that our solar lighting system meets and exceeds expectations and objectives.

Rafael Badilla BSCE
CEO - SELS Solar
Office: (704) 495-3535
Mobil: (704) 3107850
Emai: rbadilla@selsled.com

SELS

SMART ERA LIGHTING SYSTEMS

STL PRO CUT SHEET

TWISTED OAKS POINTE COMMUNITY
SOLAR STREET LIGHTS

ILLUMINATING YOUR WORLD WITH THE POWER OF THE SUN

www.SELSsolar.com

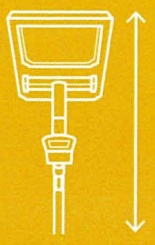
4747 Kester Mill Rd.
Winston-Salem, NC 27103

SELS

SMART ERA LIGHTING SYSTEMS

STL PRO SOLAR SYSTEM

SOLAR STREET LIGHT



STREET & AREA LIGHTING

WWW.SELSsolar.com

4747 KESTER MILL RD
WINSTON SALEM, NC 27103

STL PRO SERIES

THE COMPACT SOLAR LIGHTING SOLUTION

SELS present the ultimate fully integrated solar street light system. With an extremely simple installation method compared to traditional lead-acid battery systems, the STL-PRO outperforms all competitors in one sleek, enclosed design.

SUPERIOR LIGHTING.
Cast aluminum body and high efficiency LEDs provide better lighting and longer life.

ALUMINUM CASING.
Excellent heat dissipation. Direct airflow on the battery and system components.

ANTI BLACK OUT

Optimal component calibration and **intelligent management system**

UNEQUALED LIFETIME

Selection of the **latest and highest** component **technology**

EXTREME TEMPERATURE

Resistant
-20 °C to +65 °C
-5 °F to +150 °F

WARRANTY

We offer a 10 year warranty **on all components**

YEARS 10

WWW.SELSsolar.com

CE IEC IK10 ++ IP65 RoHS

4747 KESTER MILL RD
WINSTON SALEM, NC 27103

COMPONENTS & ADVANTAGES

SOLAR PANEL

INFRARED MOTION SENSOR (optional)

LED FIXTURE

EASY MAINTENANCE
With direct access to battery and controller.

SAFE
No explosion risk

BATTERY OPTIONS

Lithium Iron Phosphate LiFePO4

Nickel-Metal Hydride Ni-MH

The eco-friendly and safe $LiFePO_4$ battery improves the system charge and discharge over 2500 times and has a life span of **more than 10 years.**

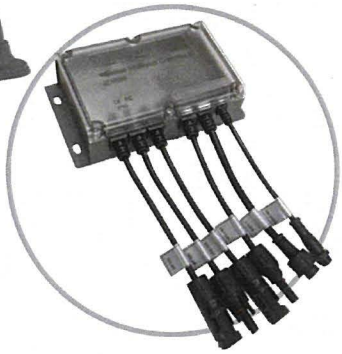
BATTERY MANAGEMENT SYSTEM

Electronic protection algorithm and battery management system for **best use of the battery capacity.**

MULTI PROTECTION

- OVER LOAD
- OVER CURRENT
- OVER TEMPERATURE
- OVER VOLTAGE
- OVER CHARGE
- OVER DISCHARGE

$LiFePO_4$	VS	Ni-MH
Over **4000** cycles		Over **3500** cycles
Extreme discharge tolerance 80%		Extreme discharge tolerance 80%
-20 to 75 Degree		-40 to 55 Degree
Over 10 years		Over 10 Years
Great for Warm Weather and Temperate Locations		Great for Cold Weather Locations



MPPT SMART CONTROLLER
97% CHARGING EFFICIENCY

MPPT (Maximum Power Point Tracking) maximizes solar power output regardless of weather variation.

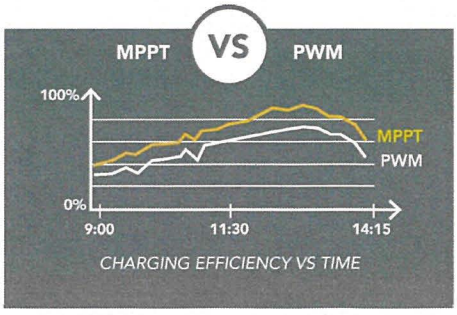
FEATURES

- Maximum power point tracking charging
- Auto identify day/night
- Infinite dimming options
- Smart operation mode
- Waterproof IP66

IP66

REMOTE MONITORING

- Bluetooth (BLE), LoRa, and IR communication methods
- Check system states
- Configure operating parameters
- View diagnostic



STL PRO SERIES

EASY INSTALLATION
INSERT ON POLE, ORIENT, & CHOOSE YOUR ANGLE

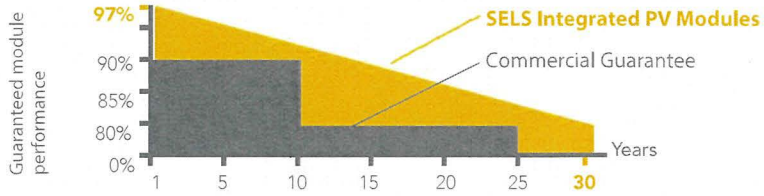
With our reinforced support bracket, the STL PRO is easy and flexible to install on a variety of poles. The panel is fully adjustable to ensure maximum solar efficiency in any installation location.

CREE XSP LED Streetlight

SOLAR PANEL
135 to 385 Watts

Monocrystalline solar panels.
Solar panel efficiency up to 19.4%.
5 busbars for better collected current capacity.

OUR PV PERFORMANCE GUARANTEE

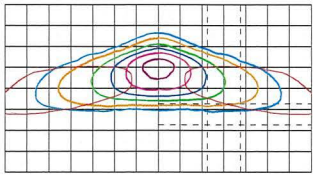


LED EFFICIENCY
FROM 4500 TO 16800 LUMENS

CREE luminaires deliver incredible efficiency without sacrificing application performance. Cree achieves greater optical control with NonOptic Precision Delivery Grid compared to traditional cobra head luminaires.

T1M
▶T2M
T3M
T3L
T4S
T4M
T5U

MULTIPLE LIGHT DISTRIBUTIONS

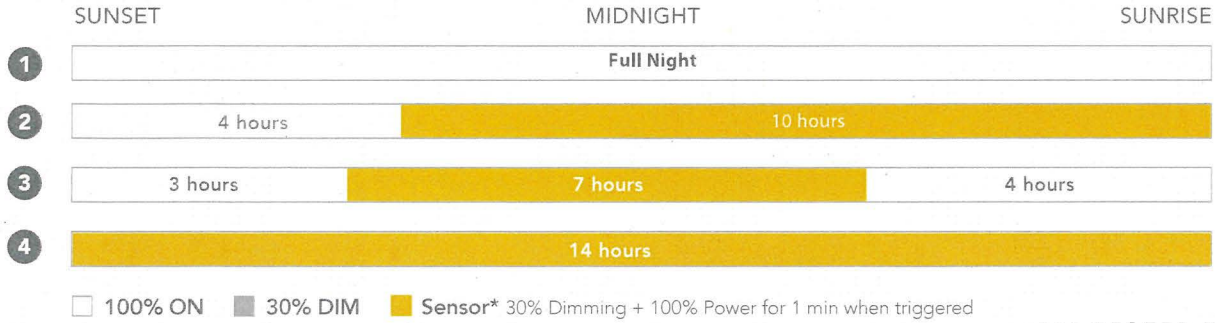


INFRARED
MOTION SENSOR AVAILABLE

360° coverage, integrated into the luminaire housing. 25'+ detection radius.

OPTIONAL OPERATION MODES

PHOTOSENSOR MODE AUTOMATICALLY POWERS ON THE LIGHT AT DUSK AND OFF AT DAWN.
SELS gives you the option to select the perfect lighting profile for your project.
Choose from a preprogrammed profile or give us your specs for a custom lighting solution.
Fully customizable in the field with remote management.



☐ 100% ON ■ 30% DIM ■ **Sensor*** 30% Dimming + 100% Power for 1 min when triggered

WWW.SELSsolar.com
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WINSTON SALEM, NC 27103

TECHNICAL SPECIFICATIONS

MADE TO THE
HIGHEST STANDARDS

SELS uses the best components for the
highest level of performance and durability

STL **PRO**

LED POWER	UP TO 120 WATTS
LUMINOUS FLUX	**UP TO 16,800 LUMENS**
LIGHTING	
Efficiency	**UP TO 140** LUMENS / WATT
Chips	**CREE XLAMP**
LED Lifetime	**OVER 100000 HOURS L80**
Lighting Angle	**ACCORDING TO PROJECT NEEDS**
Pole Height	**14 - 30 FT**
STORAGE	
Technology	**LITHIUM IRON PHOSPHATE - NICKEL METAL HYDRIDE**
Capacity	**UP TO 3200 W-h**
Autonomy	**UP TO 5 DAYS FULL AUTONOMY**
Charging time	**<4 HOURS DIRECT SUN**
Lifespan	**OVER 4000 CYCLES: 10+ YEARS LIFETIME**
Certificate	EN 61427 MSDS
ENERGY	
Solar panel	**UP TO 385 WATTS**
Lifespan	**MONOCRYSTALLINE PANEL GRADE A: 25 YEARS**
Certificates	IEC 61215 ; IEC 61730 I AND II ; IEC 60904
ELECTRONIC	
Controller	**MPPT SMART CONTROLLER**
Sensor	**360 DEGREE IR MOTION SENSOR OPTIONAL**
Cabling	**WATERPROOF CONNECTIONS, PLUG AND PLAY**
Certificates	EN 55015 ; EN 61000

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STL-PRO

SELS

SELS' STL-PRO solar lighting systems are designed for easy and quick installation. Featuring custom aluminum extrusions and a high-strength steel mounting system, our design provides a sleek, high-performance lighting solution for a variety of applications. Our system is expandable to accommodate even the most demanding power applications, with custom sized solar panels, and energy storage through long-life lithium battery technology. SELS' proven solar power management and integrated lighting controller offers -user and field- adjustable lighting output and dimming control depending on the project need.

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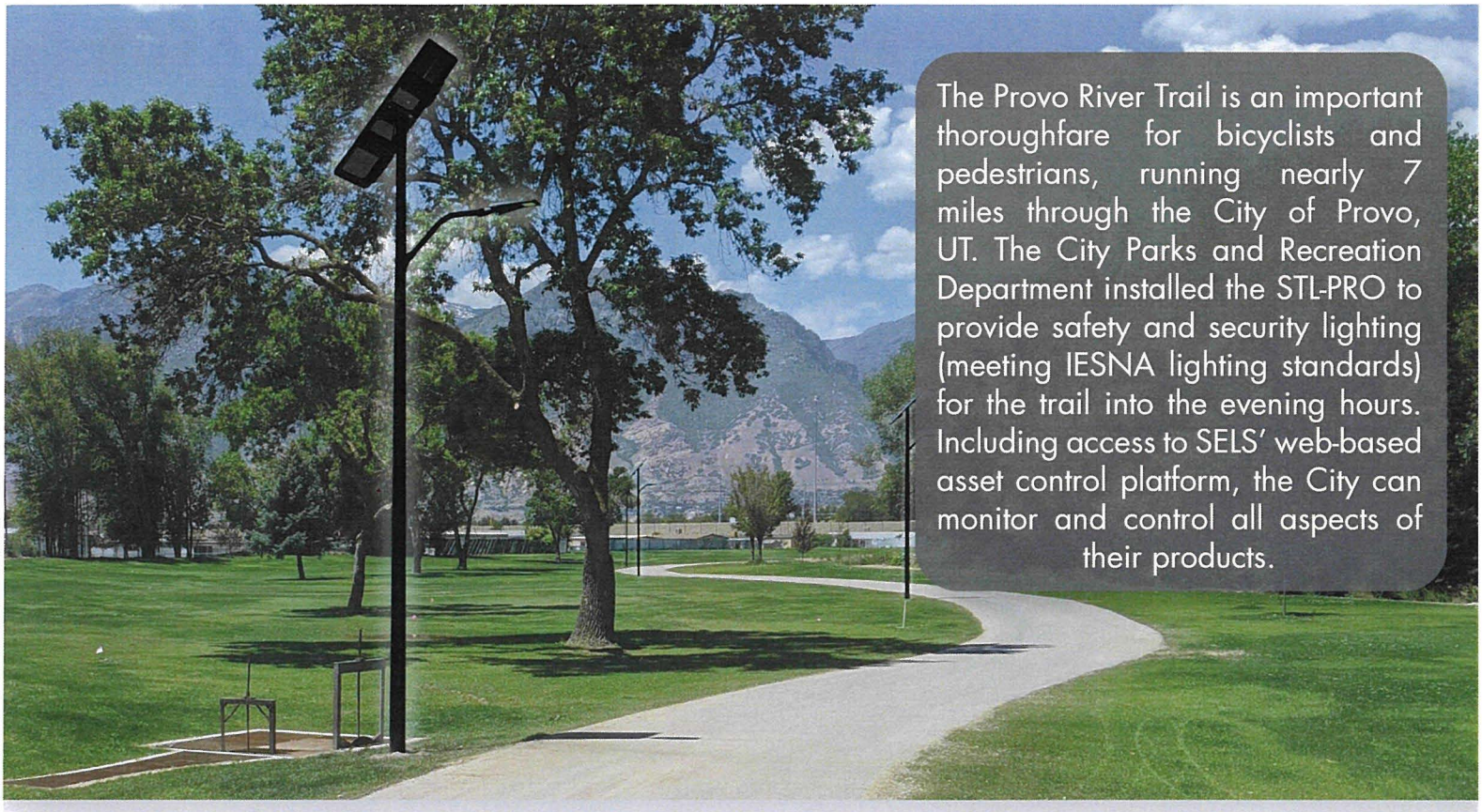
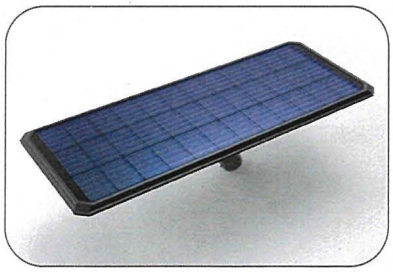
SELS

STL-PRO



The Provo River Trail is an important thoroughfare for bicyclists and pedestrians, running nearly 7 miles through the City of Provo, UT. The City Parks and Recreation Department installed the STL-PRO to provide safety and security lighting (meeting IESNA lighting standards) for the trail into the evening hours. Including access to SELS' web-based asset control platform, the City can monitor and control all aspects of their products.



Solar Wattage Options:

- **135 Watts**
- **210 Watts**
- **285 Watts**
- **385 Watts**

Durable Solar Panel Housing

Ajustable Angle Mounting Hilt

Water-Proof Battery Containment

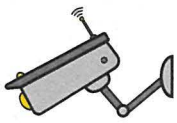
Available Features with STL-Pro

Fully Programmable

Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

LED Lighting

Lighting Color Options: 2200K - 5000K
Lumen Options: 150 Lumens per Watt



Security Surveillance

Utilize our patent pending camera design system to keep your property safe.

"Customer satisfaction is our utmost priority. We strive to be an ethically driven company so that we can provide electricity and lighting to those who need it the most." - Rafael Badilla, President of SELS

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WINSTON SALEM, NC 27103

LED Specifications

Photometric Optical Summary

Not all optics are available on all fixtures. Check ordering chart for availability

Type I **(T1)**

Type II **(T2)**

Type III **(T3)**

Type IV **(T4)**

Type V **(T5)**

Type VW **(T5W)**

EPA Data

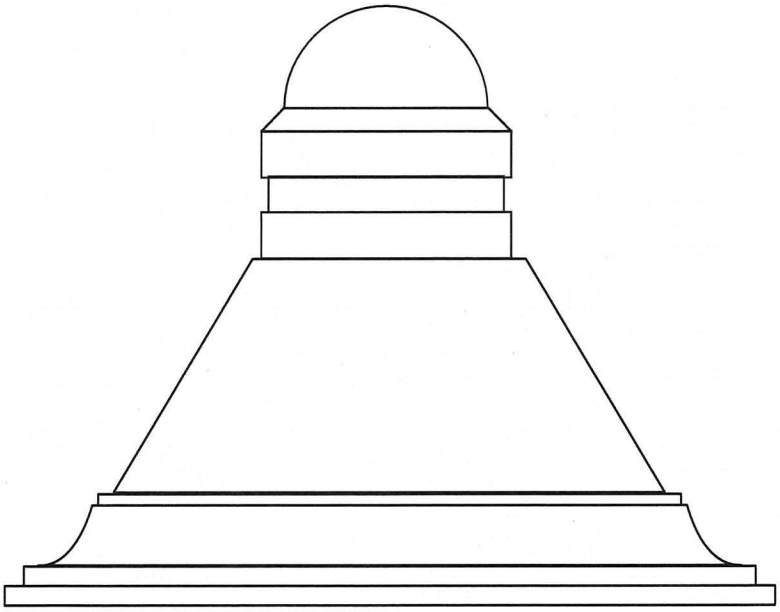
Fixture	Fixture Only	Fixture with VA110-S1	2 Fixtures with VA110-D2	Fixture with VA107-S1	2 Fixtures with VA107-D2
ODN-1	1.2	2.2	4.1	3.5	5.6
ODN-2	2.6	3.6	6.6	4.9	8.3
ODN-3	3.5	4.5	8.6	5.8	9.8

Dimensions

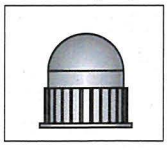
Size 1	
Width:	20"
Height:	19.5"
Weight:	40 LBS

Size 2	
Width:	25"
Height:	22.5"
Weight:	53 LBS

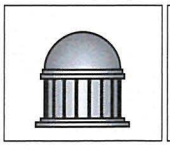
Size 3	
Width:	30"
Height:	24"
Weight:	74 LBS



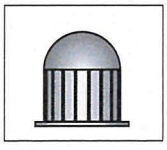
CAP 1 (C1)



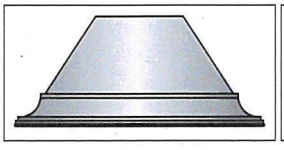
CAP 2 (C2)



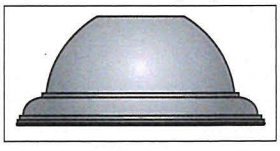
CAP 3 (C3)



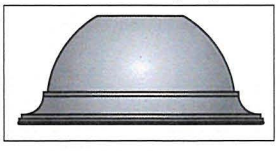
HOUSING 1 (H1)



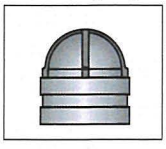
HOUSING 2 (H2)



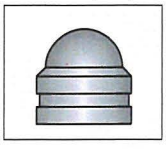
HOUSING 3 (H3)



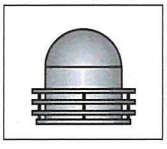
CAP 4 (C4)



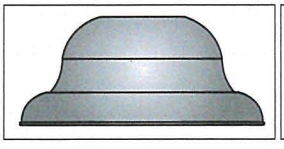
CAP 5 (C5)



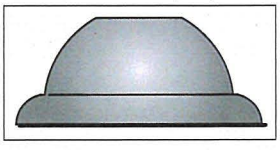
CAP 6 (C6)



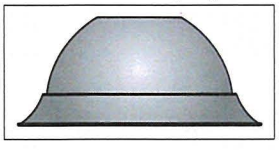
HOUSING 4 (H4)



HOUSING 5 (H5)



HOUSING 6 (H6)



Features & Specifications

Housing
· High-quality, one-piece spun aluminum shade and durable cast aluminum top cap; available in three housing sizes.
· All external hardware is stainless steel.
· · One-piece spun aluminum removable door assembly..

Thermal Management
· LED provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the Oden - LED to withstand higher ambient temperatures and higher drive currents without degrading LED life.

Optical System
· The highest lumen output LEDs are utilized. Estimated life of the LEDs is 100,000+ hours. Available with 6 IES distribution patterns. Available with up to 96 LED. The optical system qualifies as IES full cutoff to restrict light trespass, glare and light pollution for neighborhood–friendly lighting.
· CRI values are 70

Quali-Guard® Finish
· Fixture components are chemically pretreated through a multiple-stage washer and finished with an electrostatically-applied, thermoset polyester powder coat textured paint with a 3 to 5 mils thickness. Finish is oven-baked at 400 ºF for maximum adherence and finish hardness.
· Available in standard and custom colors.

Mounting
· LED mounts to a wide selection of decorative and custom Visionaire mounting arms. Visionaire decorative mounting arm required. See Visionaire Mounting Arms section of catalog.

Electrical Assembly
· LED is supplied with a high-performance LED driver, located in its cap, that accepts 120 V thru 277 V, and 480 V, 50 Hz to 60 Hz input. Power factor is 90%.
Rated for -40 of operation.
· 10 kV surge protector supplied as standard.

Options
· Button type photocell
· Watt Stopper FSP-211
· 0-10 V dimming driver
· Wireless Controls
· Illuminated Rings
· Cutoff louver system

Listings
· Oden is cUL listed, suitable for wet locations.
· IP65 Rated
· DLC Listed
· IDA Certification
· LM79
· LM80
· Powder Coated ToughTM

DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. http://www.designlights.org/
3000K must be selected for IDA certification.

19645 Rancho Way · Rancho Dominguez, CA 900220 · Phone: 310 512 6480 Fax 310 512 6486
www.visionairelighting.com

SELS

SMART ERA LIGHTING SYSTEMS

DIRECT EMBEDDED POLE & CALC

TWISTED OAKS POINTE COMMUNITY
SOLAR STREET LIGHTS

ILLUMINATING YOUR WORLD WITH THE POWER OF THE SUN

www.SELSsolar.com

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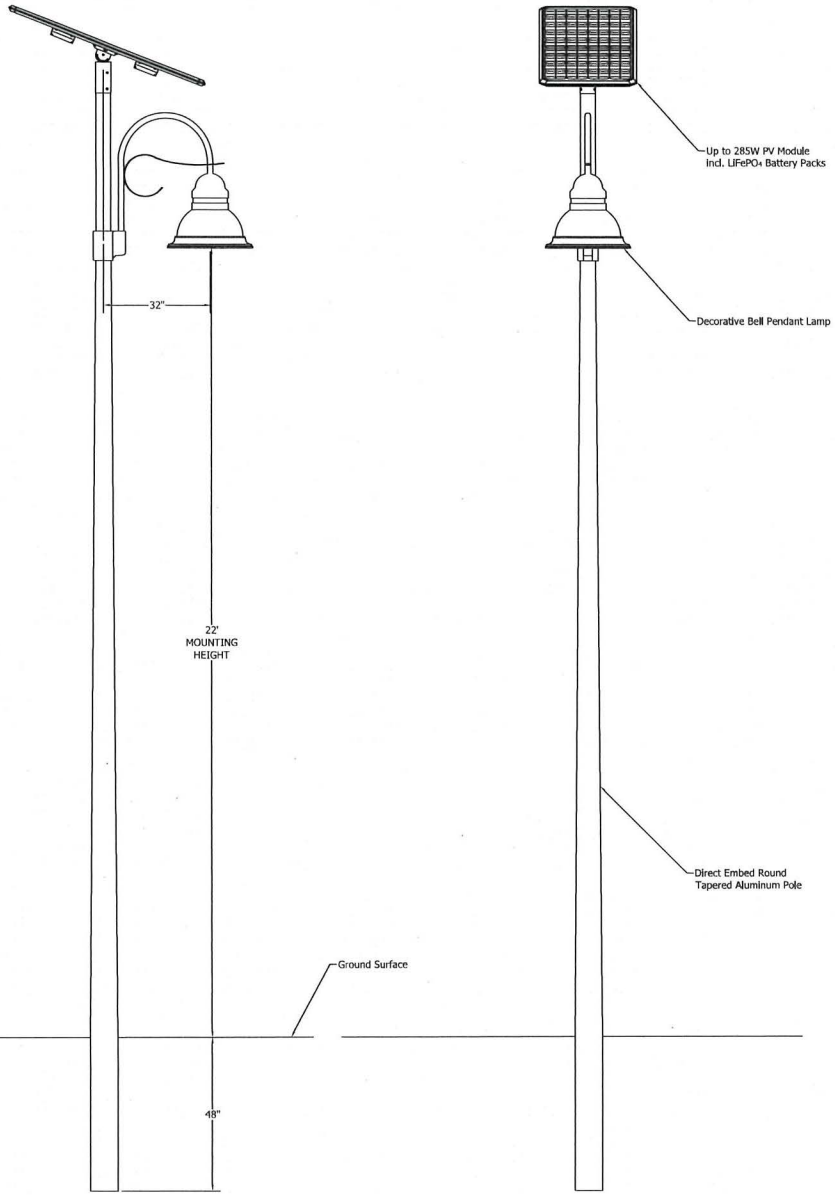


NOTES:

24' ROUND TAPERED ALUMINUM POLE WITH EMBEDMENT DEPTH IN NORMAL SOIL CONDITIONS CAPABLE OF SUSTAINING 140MPH ULTIMATE WIND LOADING

SELS' STL-PRO SOLAR PANEL UP TO 285W. 210W SOLAR PANEL ALTERNATE AVAILABLE FOR MOUNTING ON RTA POLE.

EMBEDMENT SHALL BE VERIFIED FOR SPECIFIC LOCATION AND PROJECT BASED ON RESULT OF GEOTECHNICAL REPORT AND SOIL ANALYSIS.

ALL CONTROLS AND ELECTRONICS ENCLOSED AND PACKAGED AT SOLAR PANEL.

ANGLE OF SOLAR PANEL IS FIELD ADJUSTABLE BASED ON INSTALLATION LOCATION. DIRECTION OF SOLAR PANEL SHOULD BE SOUTH-FACING FOR INSTALLATION IN FL. LAMP SHALL BE ADJUSTED AND DIRECTED INDEPENDENT OF SOLAR PANEL ORIENTATION.

LAMP OPTICS TO BE SPECIFIED AT TIME OF ORDERING BASED ON PHOTOMETRIC ANALYSIS.

REV	DESCRIPTION	DATE

DRAWN: Garrett Higgins 3/20/2023
CHECKED:
APPROVED:
MFG:
MATERIAL:

SELS USA LLC
Winston-Salem, NC 27103
Engineering@selsled.com

TITLE
24' RTA FOR OAKS CDD

SIZE B
SCALE 1 / 10
SHEET 1 of 1

Light Pole Embedment Analysis

References:
FDOT Structures Design Guidelines 2023
FDOT Modifications to LRFDLTS-1 2023
AASHTO LRFD Bridge Specifications 8th Edition

Wind Load
V = 140 mph
Pz = (0.00256)(0.87)(0.85)(1.14)(140**2)(Cd)
Pz = 42.3Cd
Pole:
Pole Ht = 24'
Round Tapered
EPA above grade = 8.5 ft2
Cd = 0.45
Luminaire:
Mounting Ht = 22'
EPA = 2.6 ft2
Cd = 0.5
Pz pole = 19.0 psf
Pz lum = 21.2 psf
Shear from Wind
V pole = (19.0 psf)(8.5 ft2) = 162.0 lbs
V lum = (21.2 psf)(2.6 ft2) = 55.0 lbs
V = 217 lbs = 0.217 k
Moment from Wind
Mw = (24'/2/)(0.162 k) + (22')(0.055 k)
Mw = 3.2 k
Design Loads
Axial = 0.173 k
M = 3.2 ft-k
V = 0.217k.

Check Pole Embedment for Cohesionless Soil
Direct Burial No Concrete Encasement
$L^{**}3 - (2V_FL/K_p \delta D) - (2M_F/K_p \delta D) = 0$
$\delta = 57.6/ft3 = 0.0576$ k/ft3
$\phi = 30$ degrees
D = 0.667'
Kp = tan**2(45 + 30/2)
Kp = 3
L**3 – [2(0.217 k)(L)/(3)(0.0576 k/ft3)(0.667')] -
[2(3.2 ft-k)/(3)(0.0.576 k/ft3)(0.667')] = 0
L = 4'-0"

Encased in 1'-6" Diameter Concrete
L**3 – [2(0.217 k)(L)/(3)(0.0576 k/ft3)(1.5')] -
[2(3.2 ft-k)/(3)(0.0.576 k/ft3)(1.5')] = 0
L = 3'-2"

Summary
Embedment Depth Directly Into Soil = 4'-0"
Embedment Into 1'-6" Diameter Concrete Encasement = 3'-2"
See Attached Drawing 1 of 1

Digitally signed by Locke D. Bowden
Date: 2023.03.21 17:14:36 -05'00

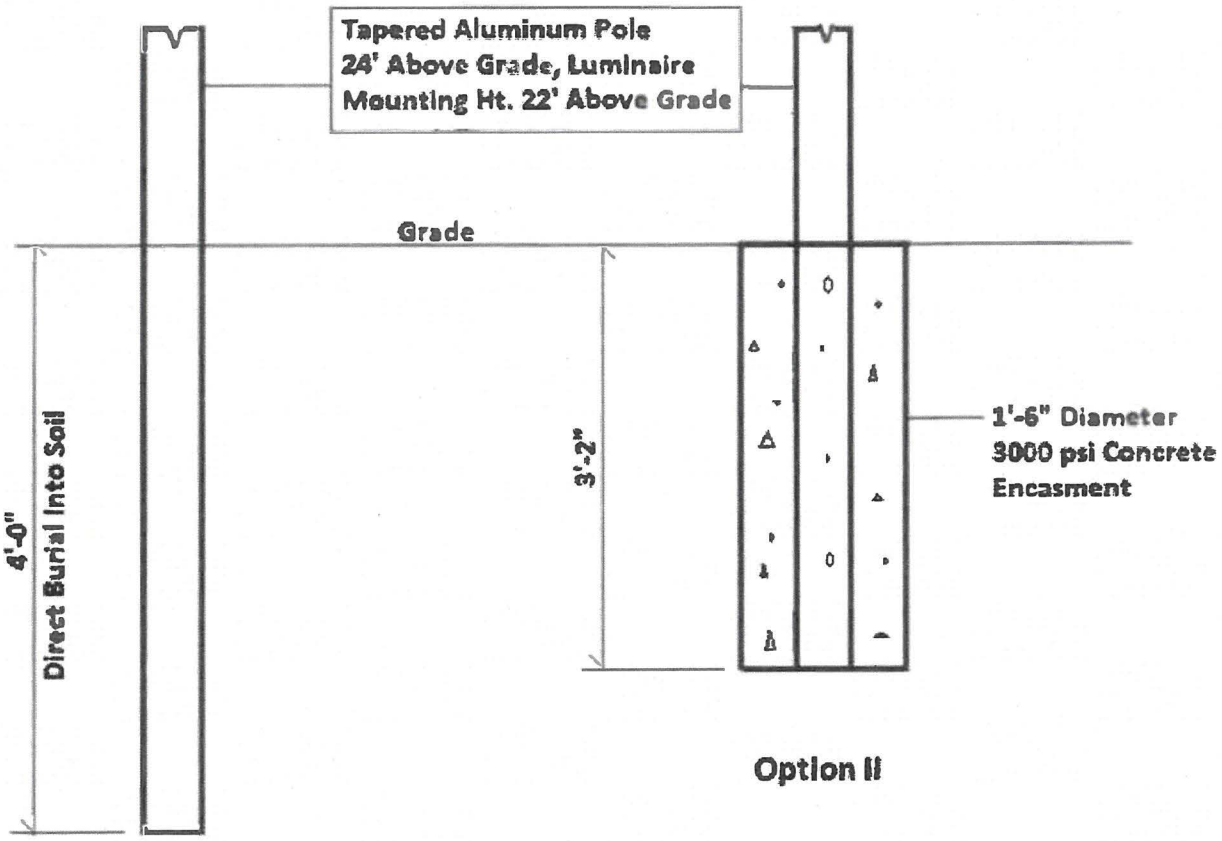
LOCKE D. BOWDEN LICENSE No. 49704 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been signed and sealed by Locke D. Bowden, P.E., on 03/21/2023 using SHA authentication code.
Printed copies of this document are not considered signed and sealed and the SHA 256 RSA authentication code must be verified on any electronic copies.
Locke D. Bowden, P.E.
Florida Registration No. 49704

SELS
SMART ERA LIGHTING SYSTEMS

Drawing 1 of 1

Light Pole Embedment Analysis



Option I

Option II

SELS

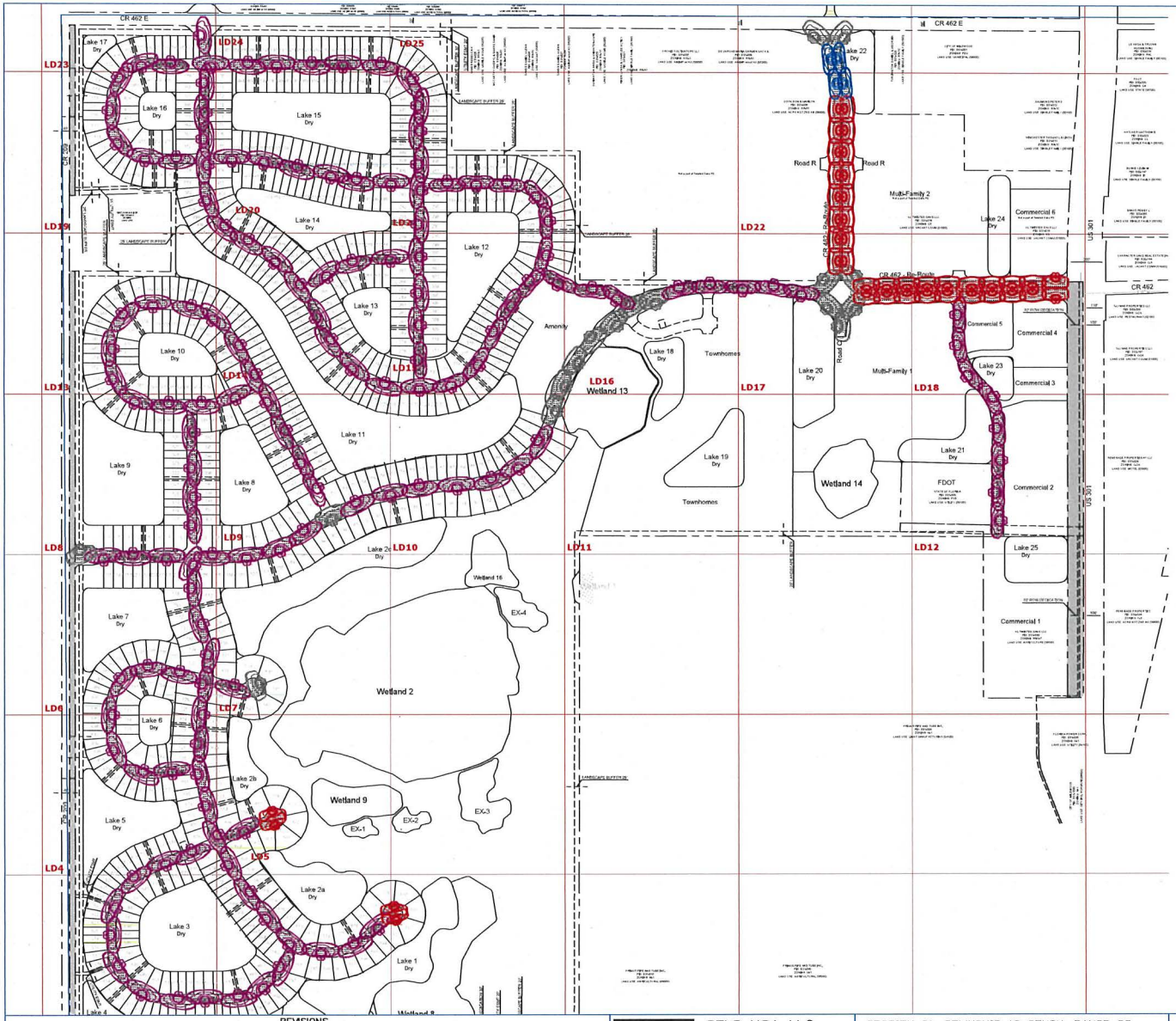
SMART ERA LIGHTING SYSTEMS

PHOTOMETRICS ANALYSIS

TWISTED OAKS POINTE COMMUNITY
SOLAR STREET LIGHTS

SELS has executed photometrics analysis in accordance with specified requirements that adhere to FDOT standards for roadways, specifically Topic# 625-000-002, Table 231.2.1 Lighting Values for other roadways. It should be noted that SELS has the technical capacity to modify the photometrics analysis based on any additional requirements from the community. Such adjustments may include alterations to lighting placement, lighting type, or brightness levels in specific areas. The intent of these modifications is to guarantee that the lighting system fulfills the community's demands and preferences while still fulfilling the necessary criteria for safety and efficiency.

03-17-2023



Photometrics based on FDOT Design Manual
Topic: #625-000-002
Table 231.2.1 Lighting Initial Values
Other Roadways.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SELS USA LLC
4747 Kester Mill Rd, Bldg B
Winston-Salem, NC 27103
Phone (704) 495-3535

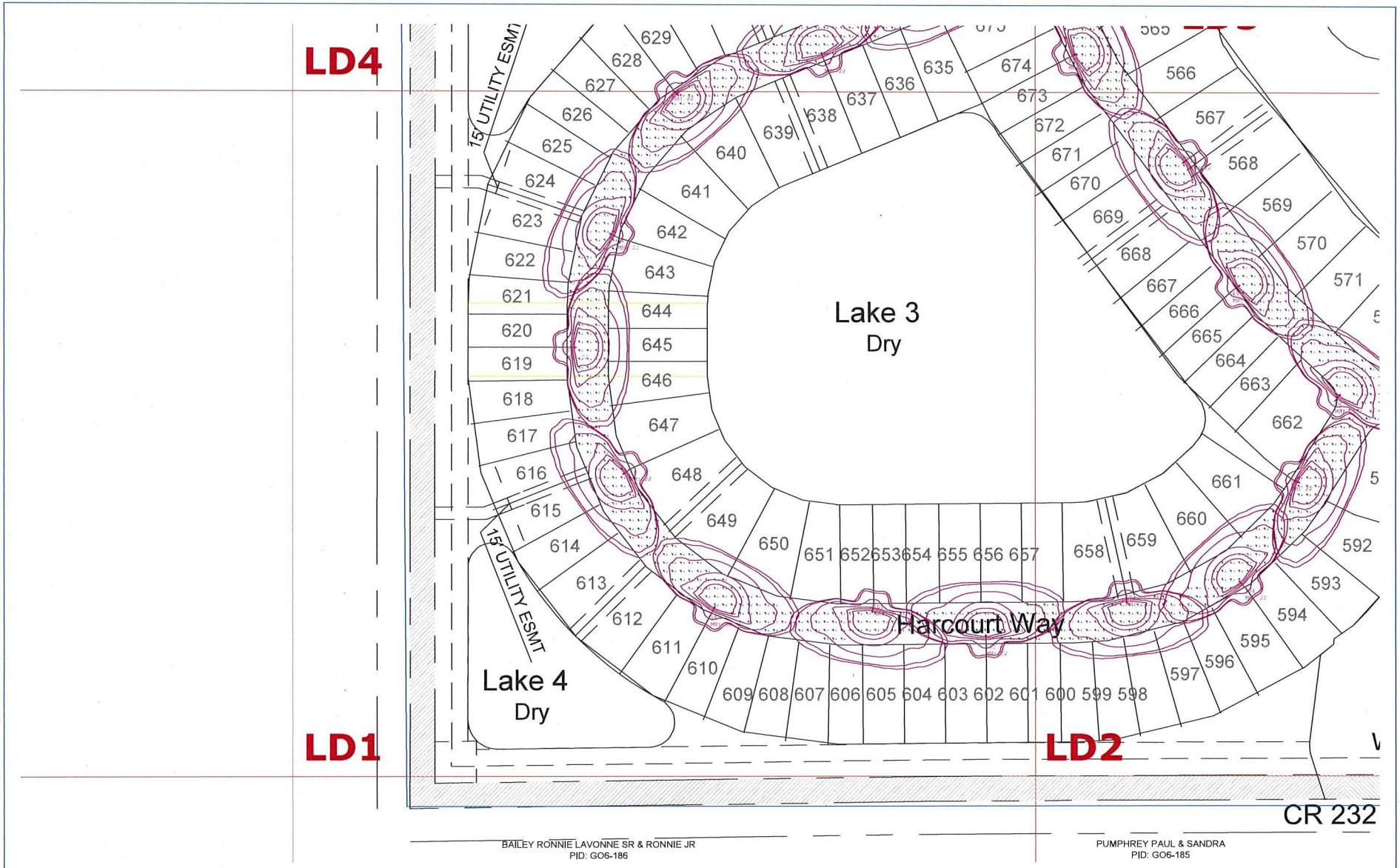
ENGINEER OF RECORD: MA. ALD. ALEJANDRA ULLOA

SECTION 31, TOWNSHIP 18 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA

PROJECT:
TWISTED OAKS

PHOTOMETRIC ANALYSIS

SHEET NO.
1/1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SELS USA LLC
4747 Kester Mill Rd, Bldg B
Winston-Salem, NC 27103
Phone (704) 495-3535

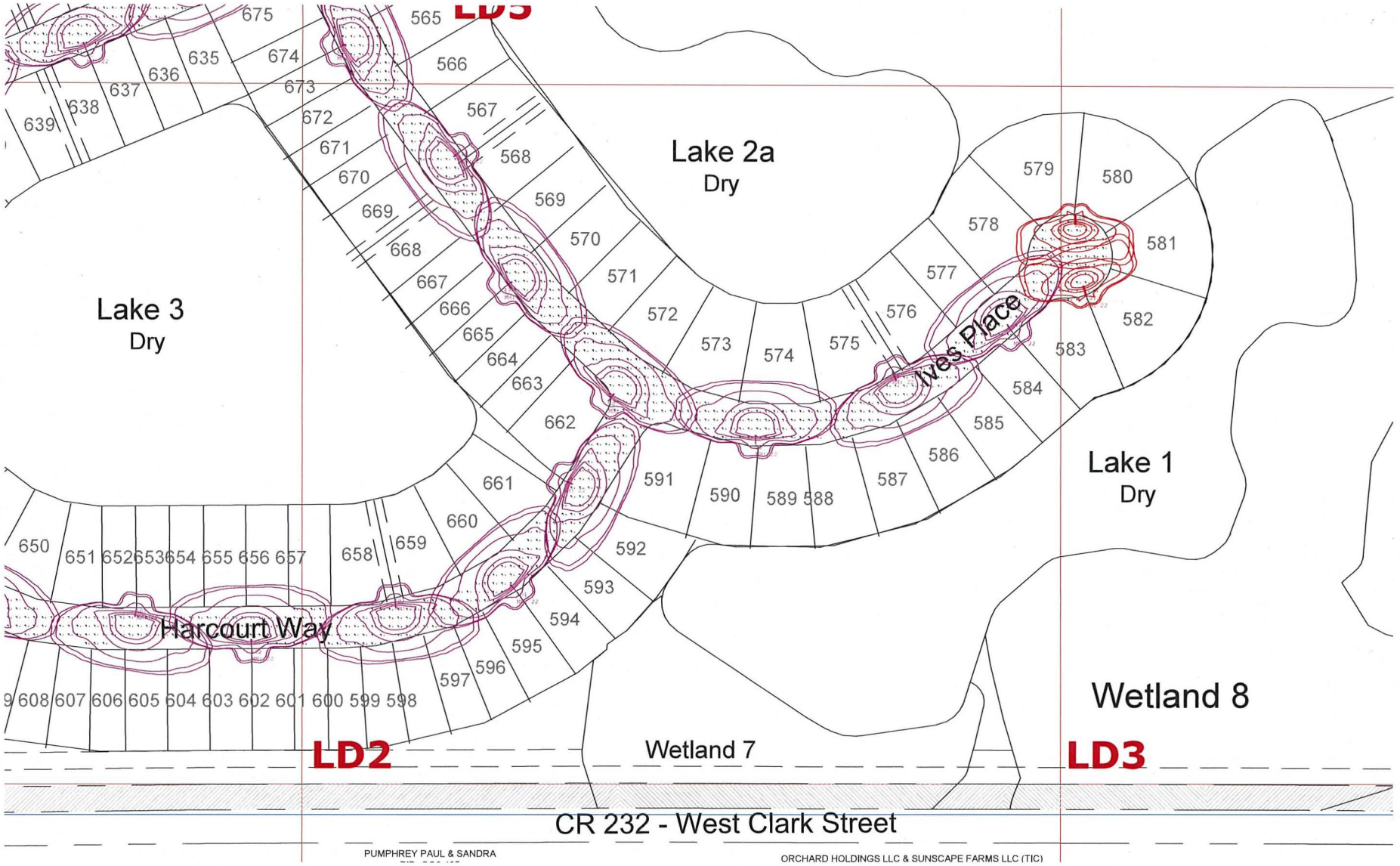
ENGINEER OF RECORD: MA. ALD. ALEJANDRA ULLOA

SECTION 31, TOWNSHIP 18 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA

PROJECT: TWISTED OAKS

PHOTOMETRIC ANALYSIS

SHEET NO. 1/1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

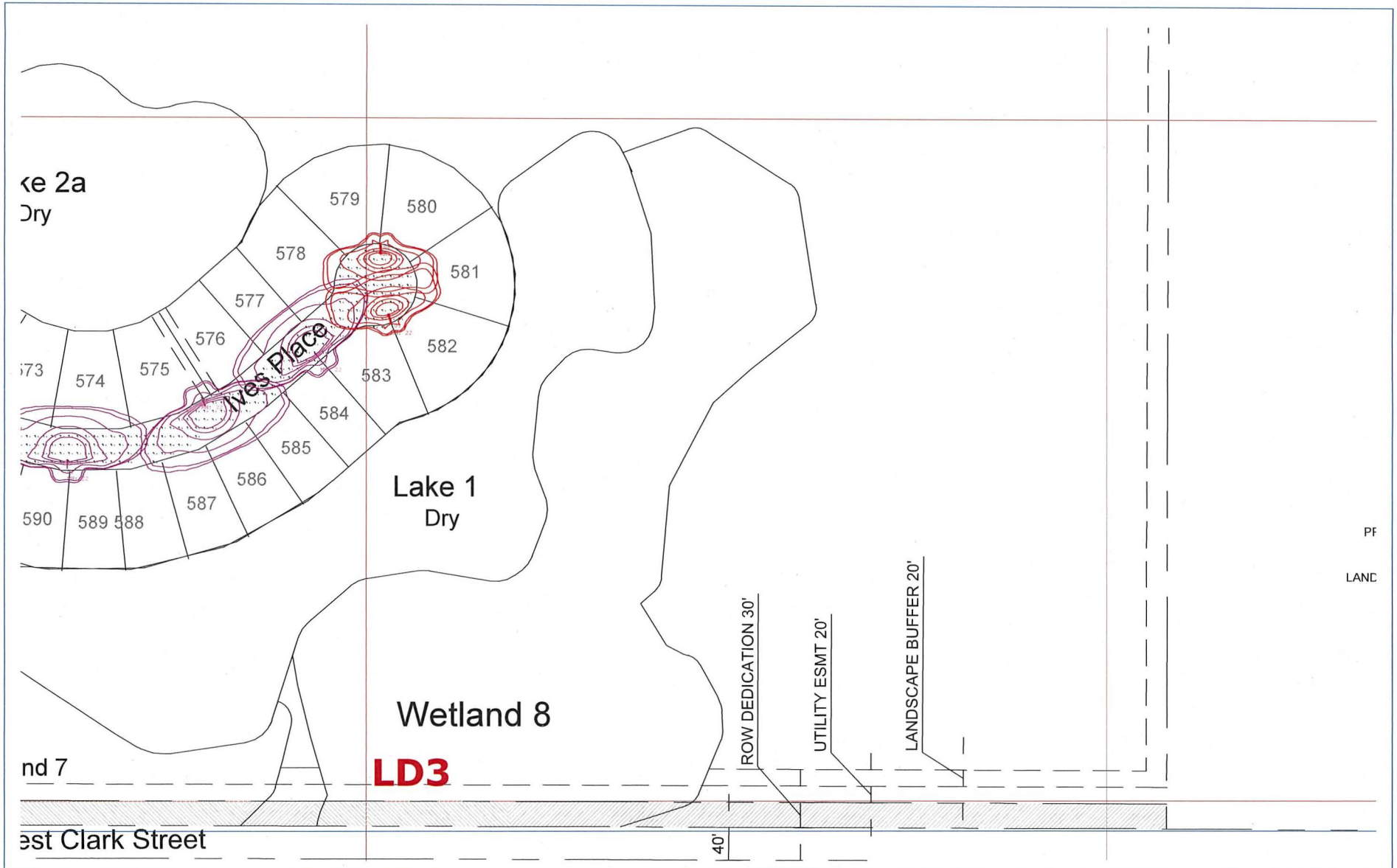
SELS USA LLC
4747 Kester Mill Rd, Bldg B
Winston-Salem, NC 27103
Phone (704) 495-3535
ENGINEER OF RECORD: M.A. ALD. ALEJANDRA ULLOA

SECTION 31, TOWNSHIP 18 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA

PROJECT: TWISTED OAKS

PHOTOMETRIC ANALYSIS

SHEET NO. 1/1



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DATE	DESCRIPTION	DATE	DESCRIPTION

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Winston-Salem, NC 27103
Phone (704) 495-3535

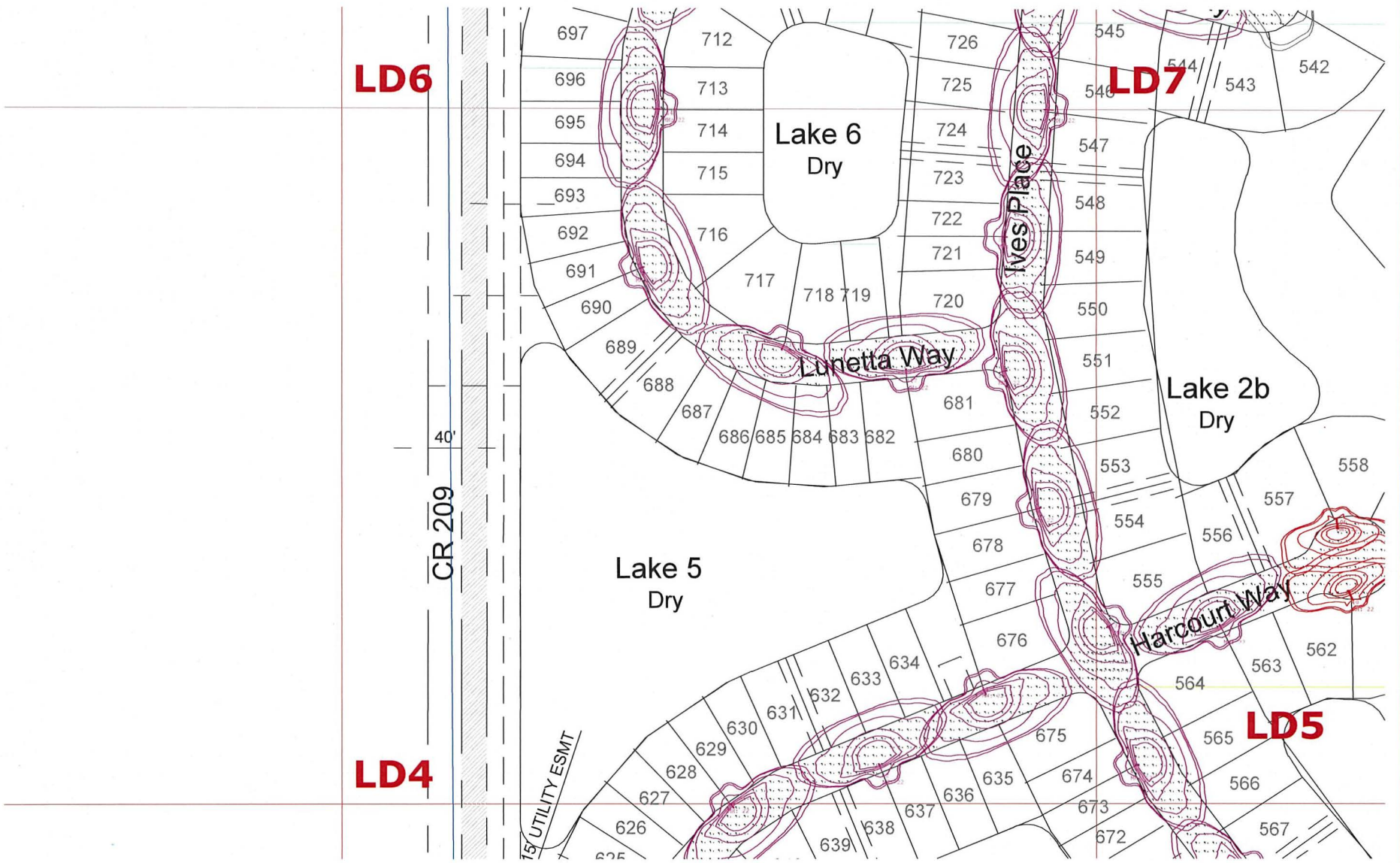
ENGINEER OF RECORD: MA. ALD. ALEJANDRA ULLOA

SECTION 31, TOWNSHIP 18 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA

PROJECT:
TWISTED OAKS

PHOTOMETRIC ANALYSIS

SHEET NO.
1/1



REVISIONS			
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SELS USA LLC
4747 Kester Mill Rd, Bldg B
Winston-Salem, NC 27103
Phone (704) 495-3535

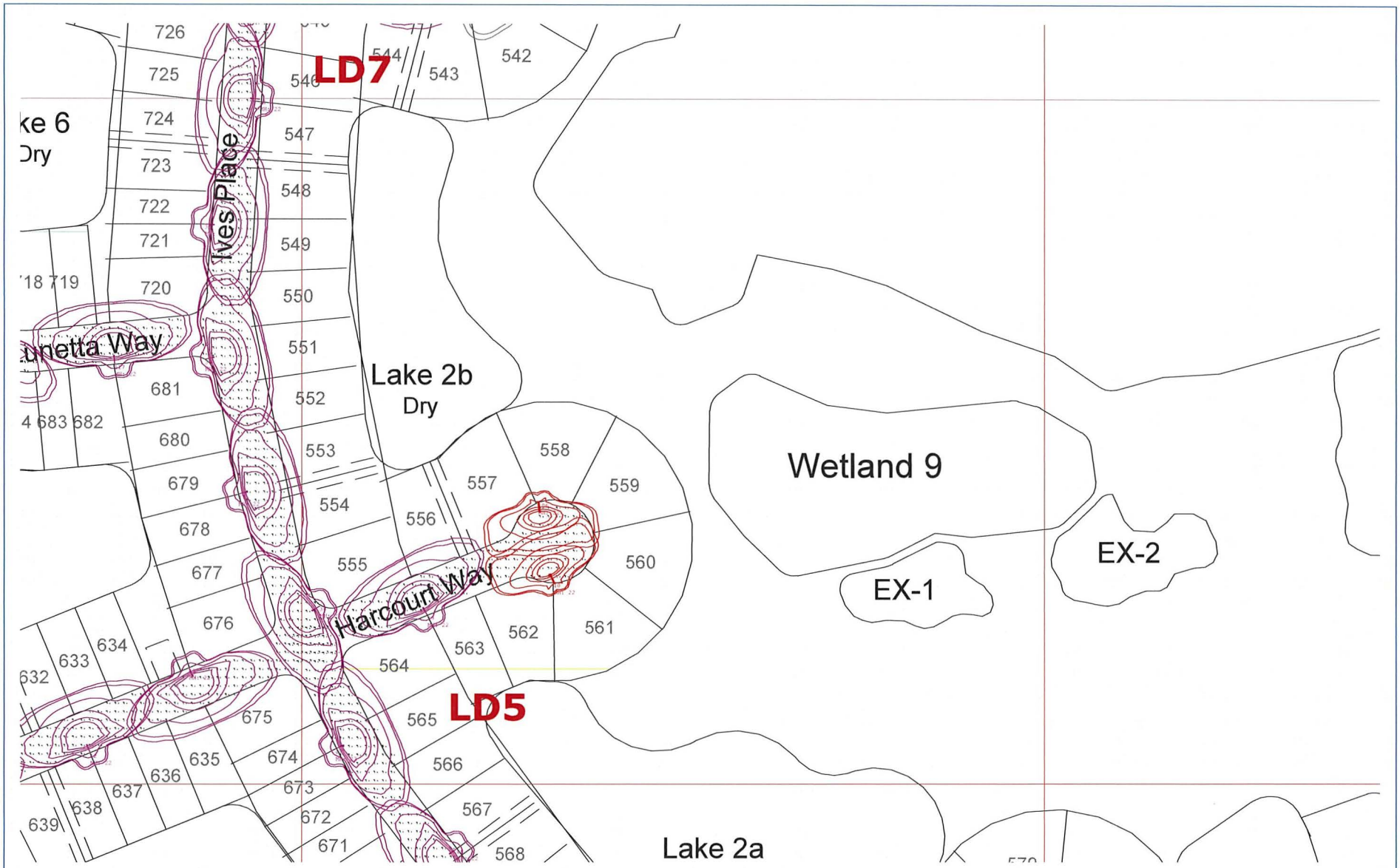
ENGINEER OF RECORD: MA. ALD. ALEJANDRA ULLOA

SECTION 31, TOWNSHIP 18 SOUTH, RANGE 23 EAST, SUMTER COUNTY, FLORIDA

PROJECT: TWISTED OAKS

PHOTOMETRIC ANALYSIS

SHEET NO. 1/1



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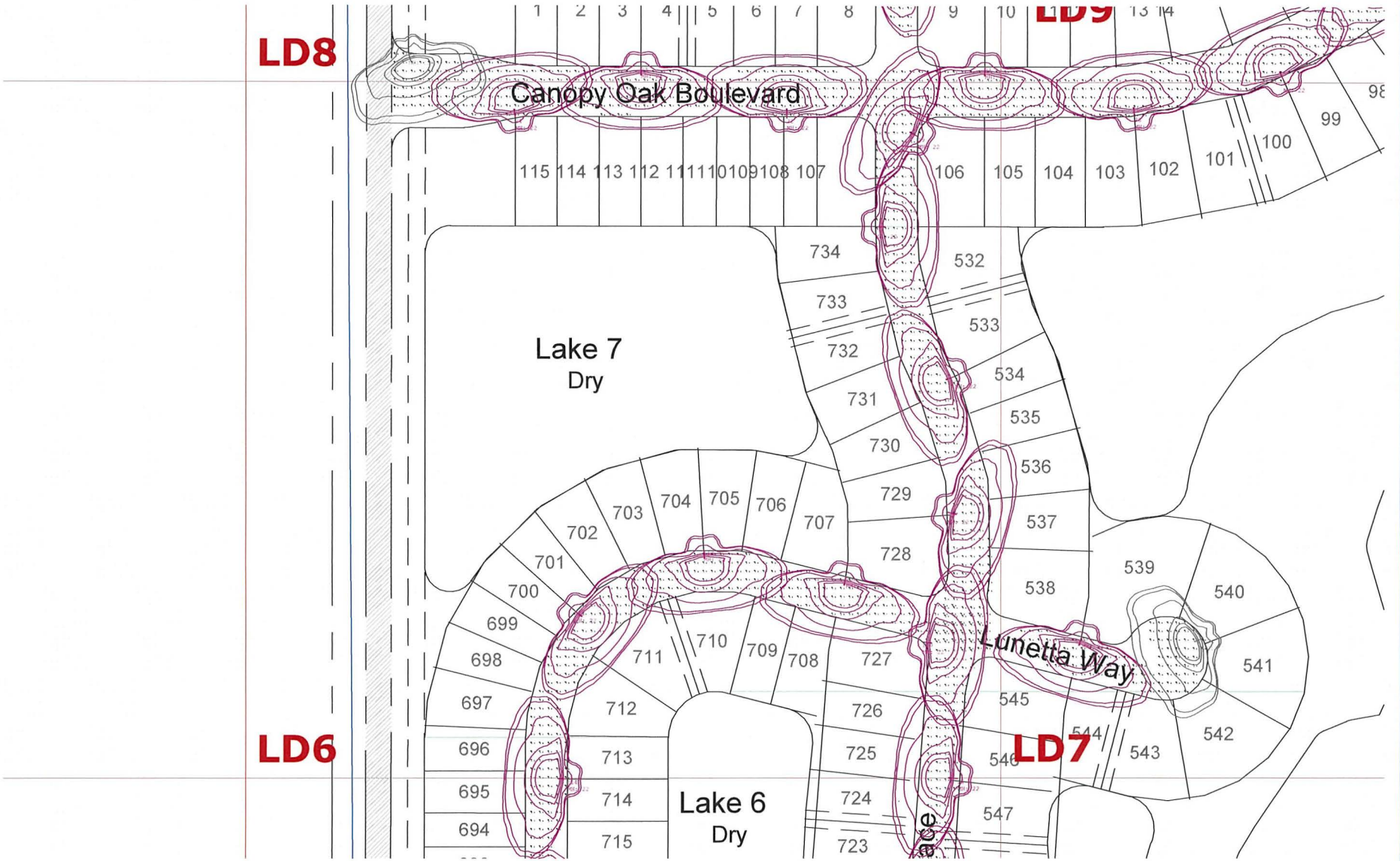

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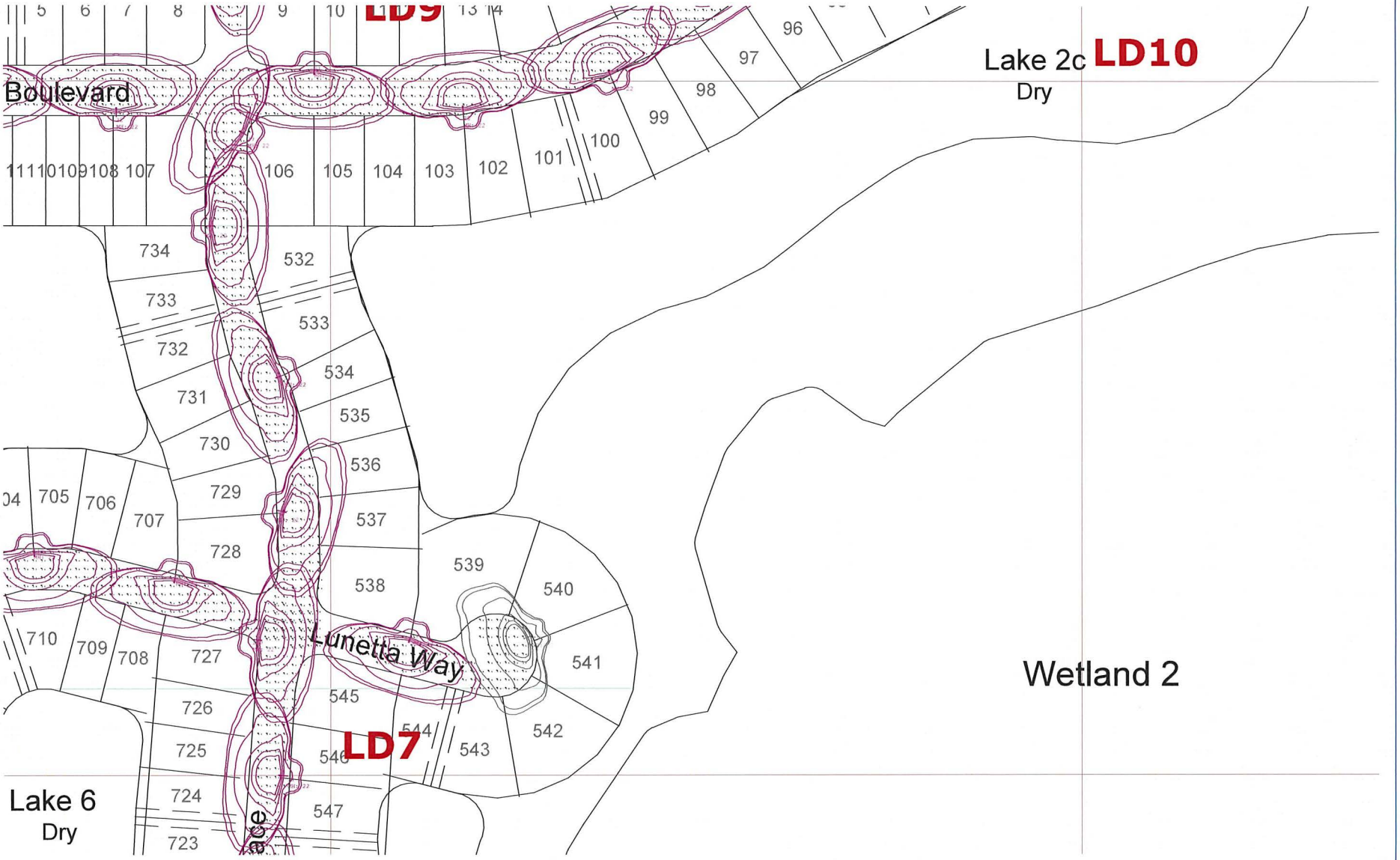

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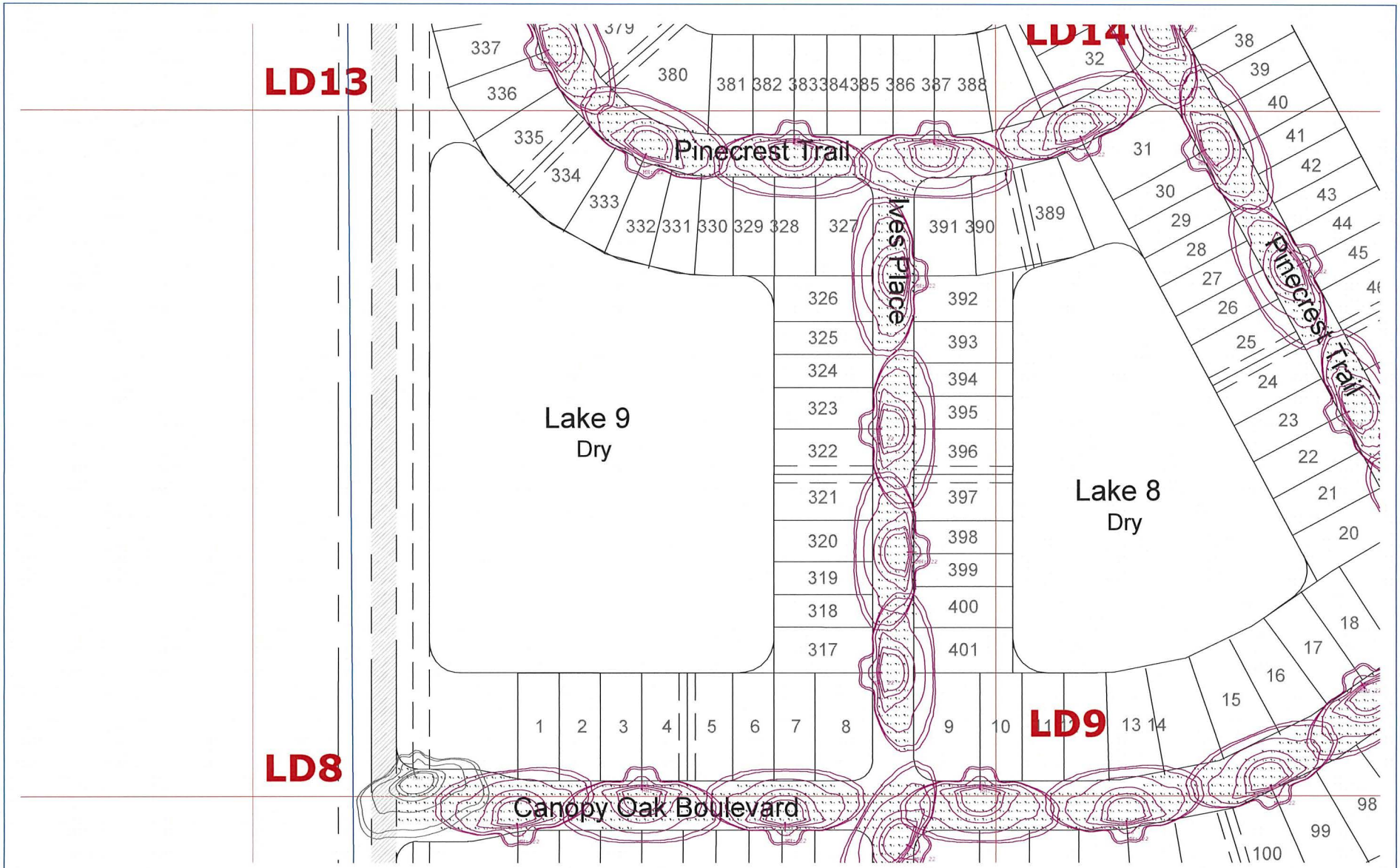

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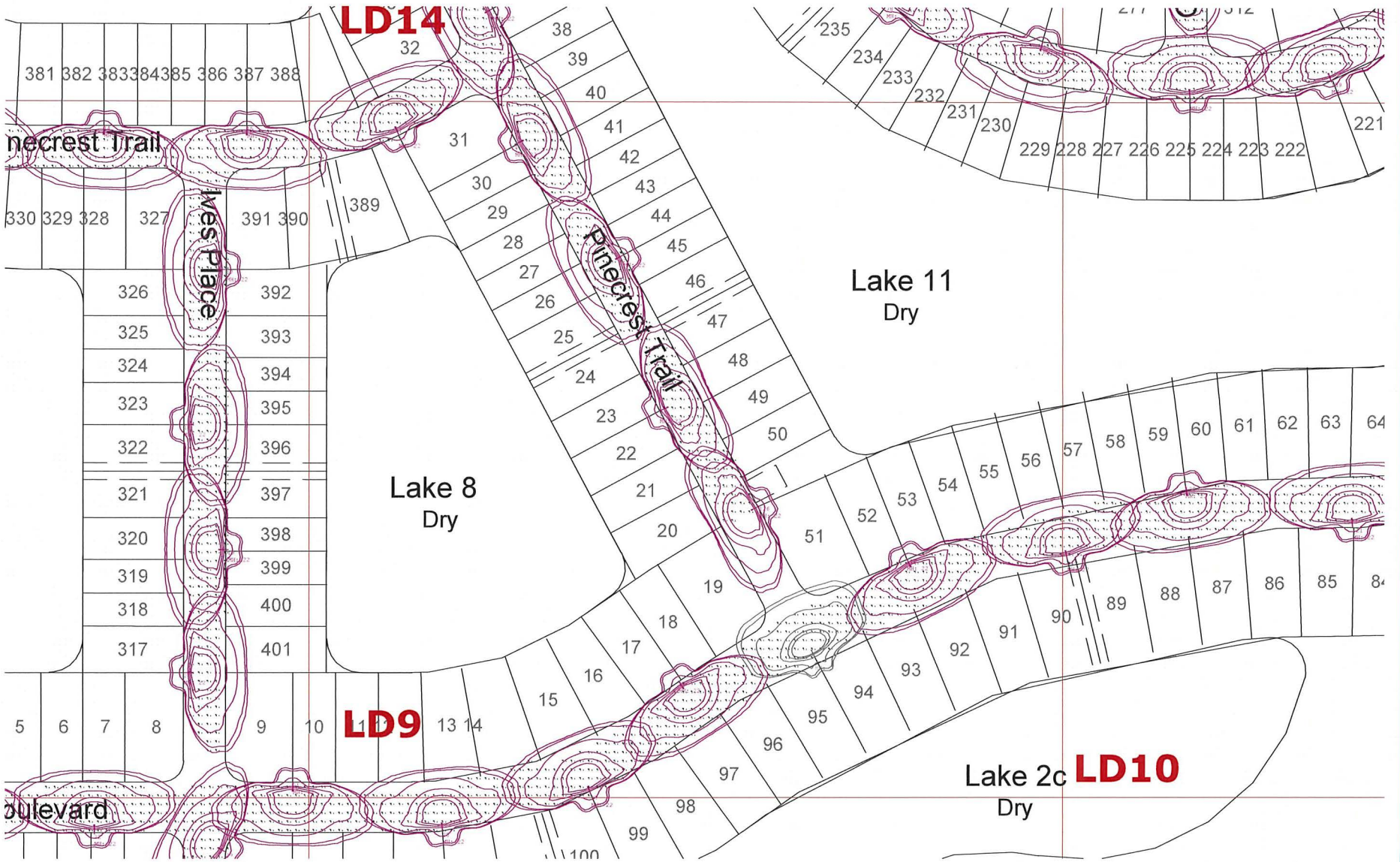

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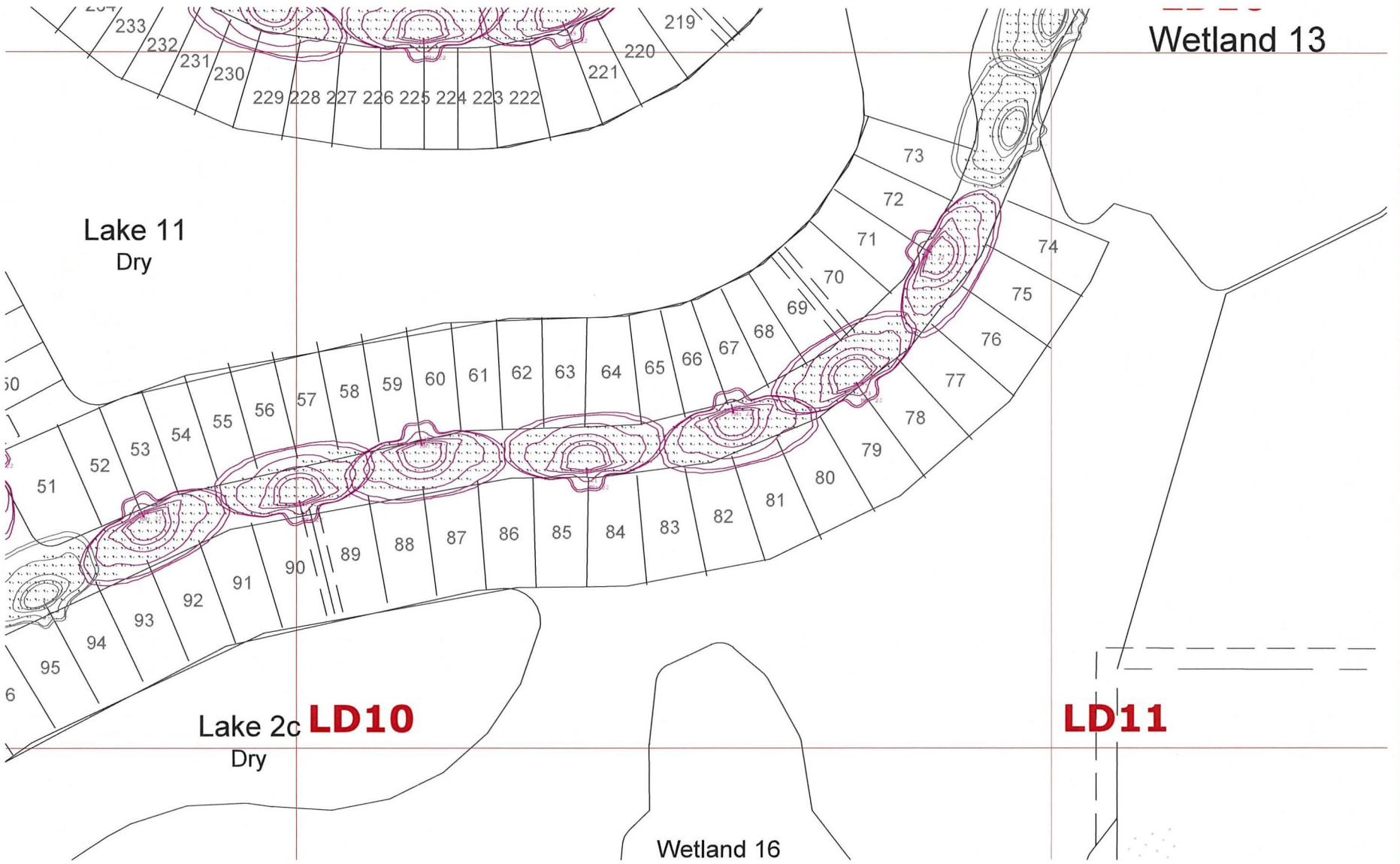

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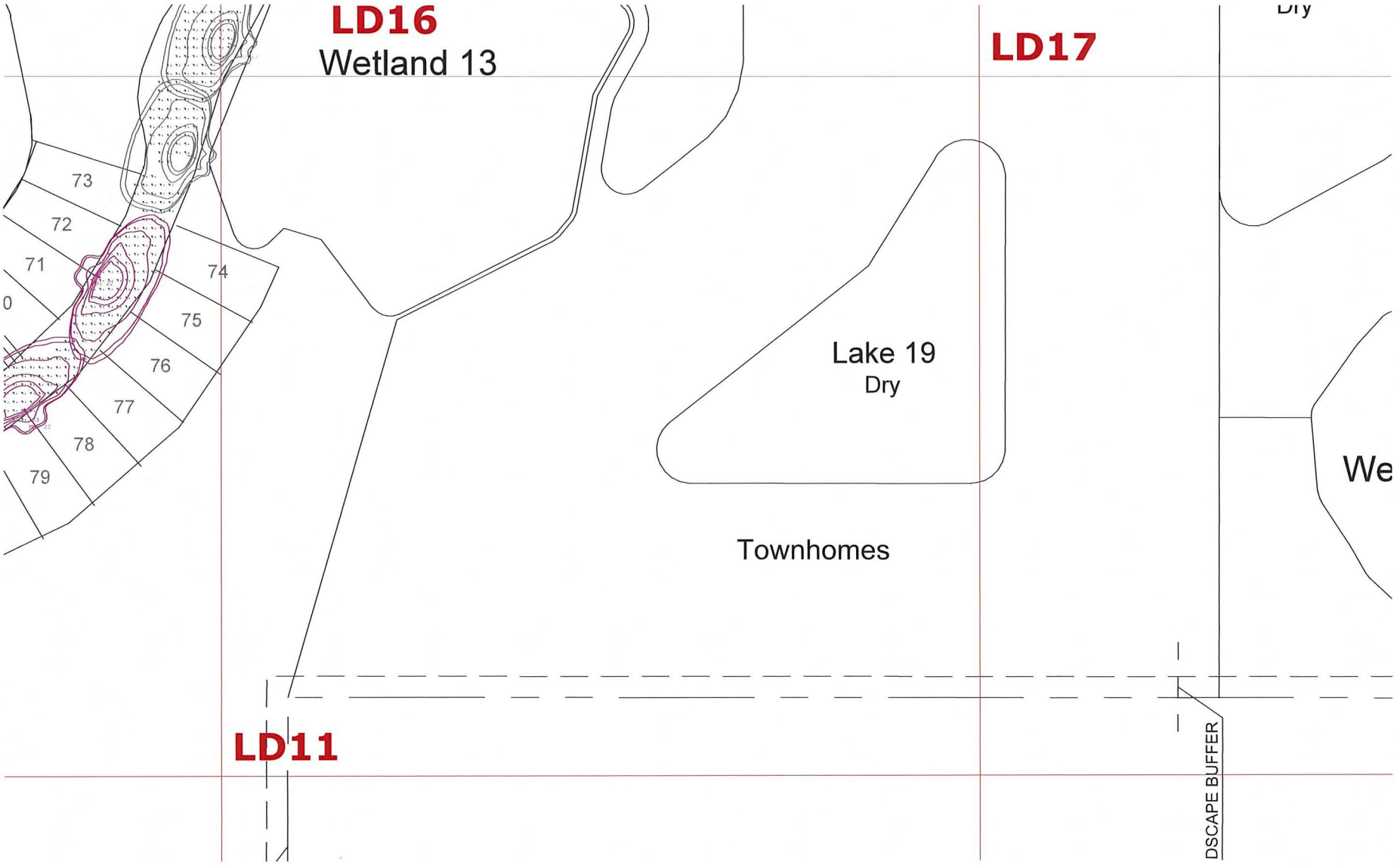

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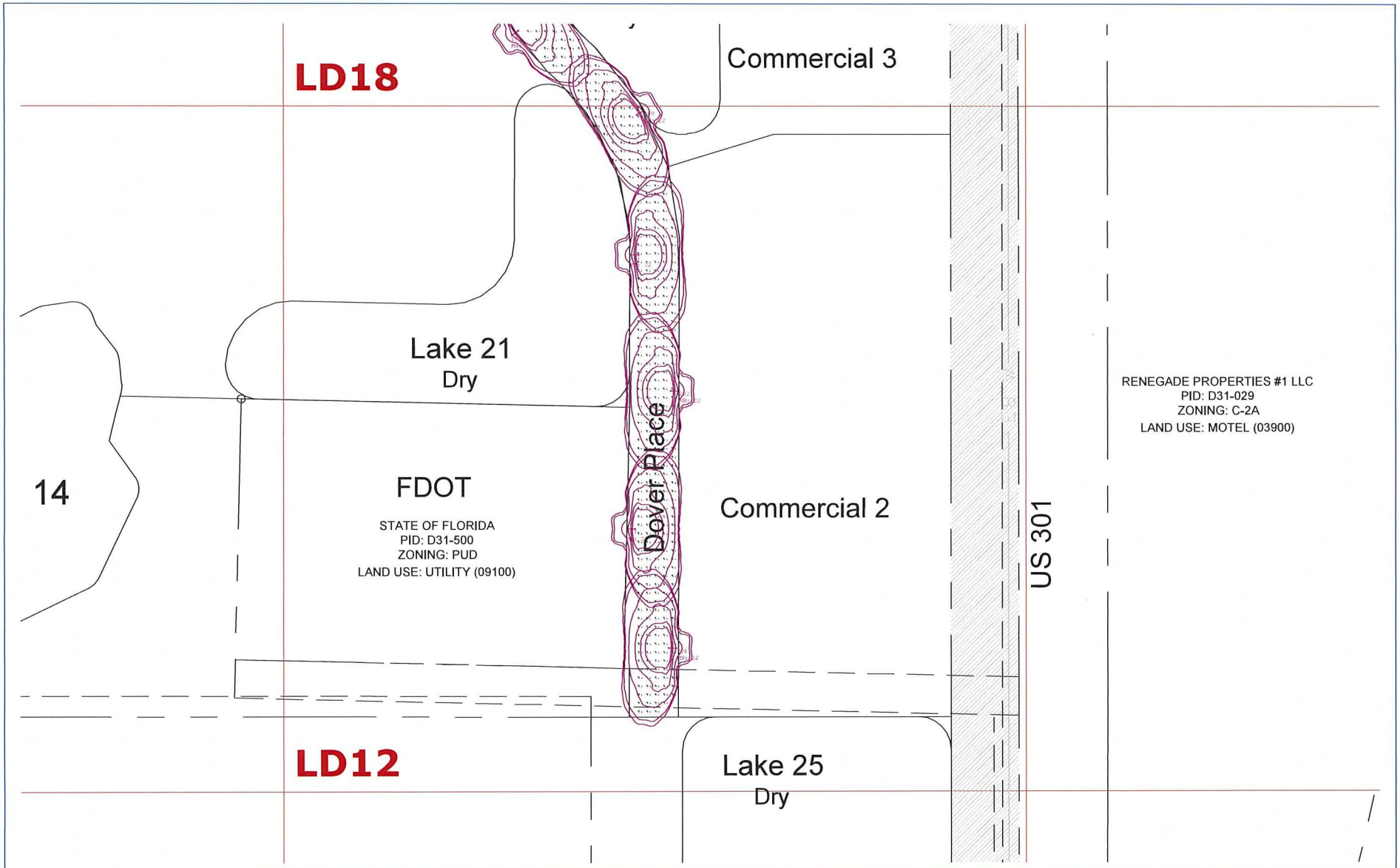

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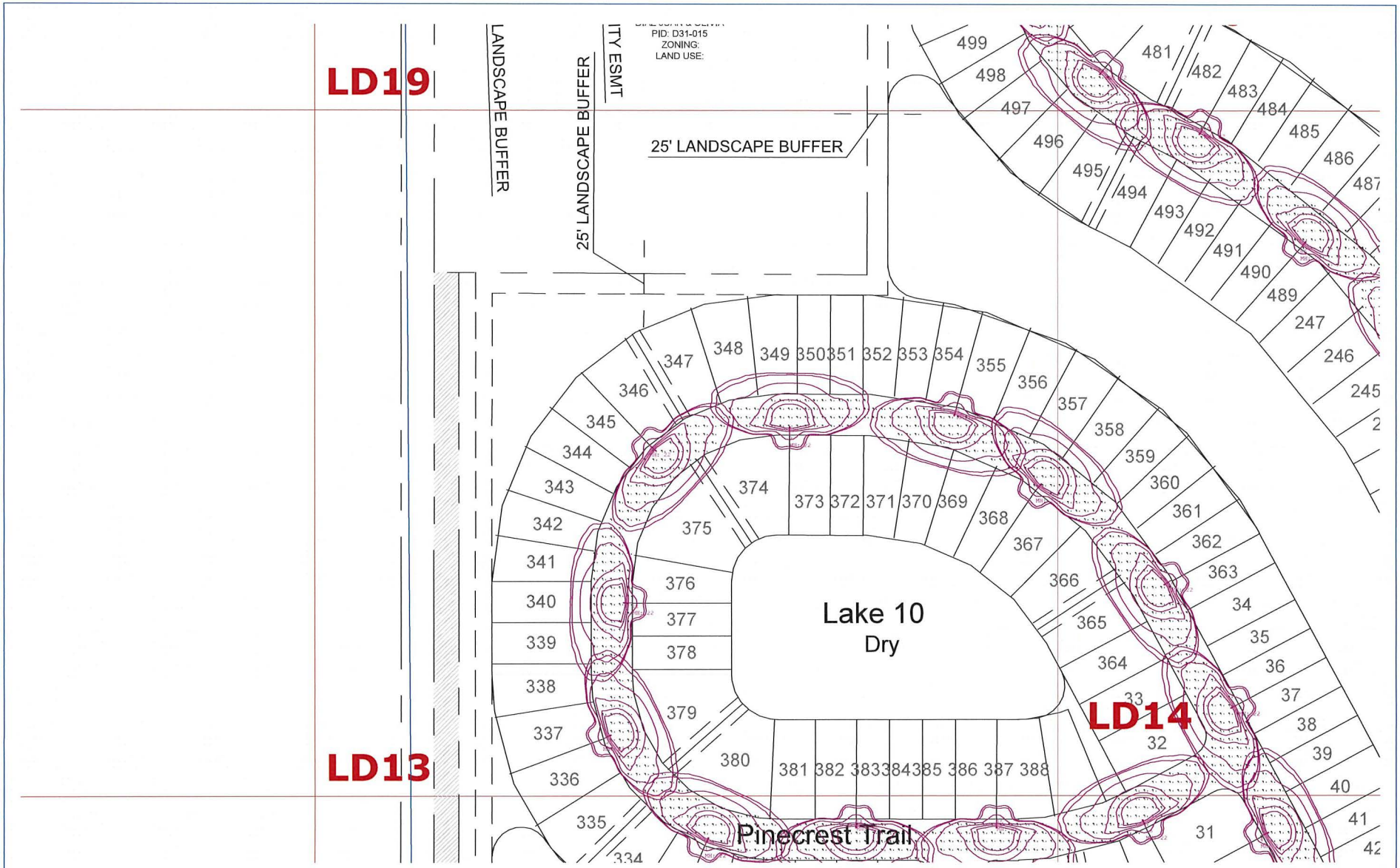

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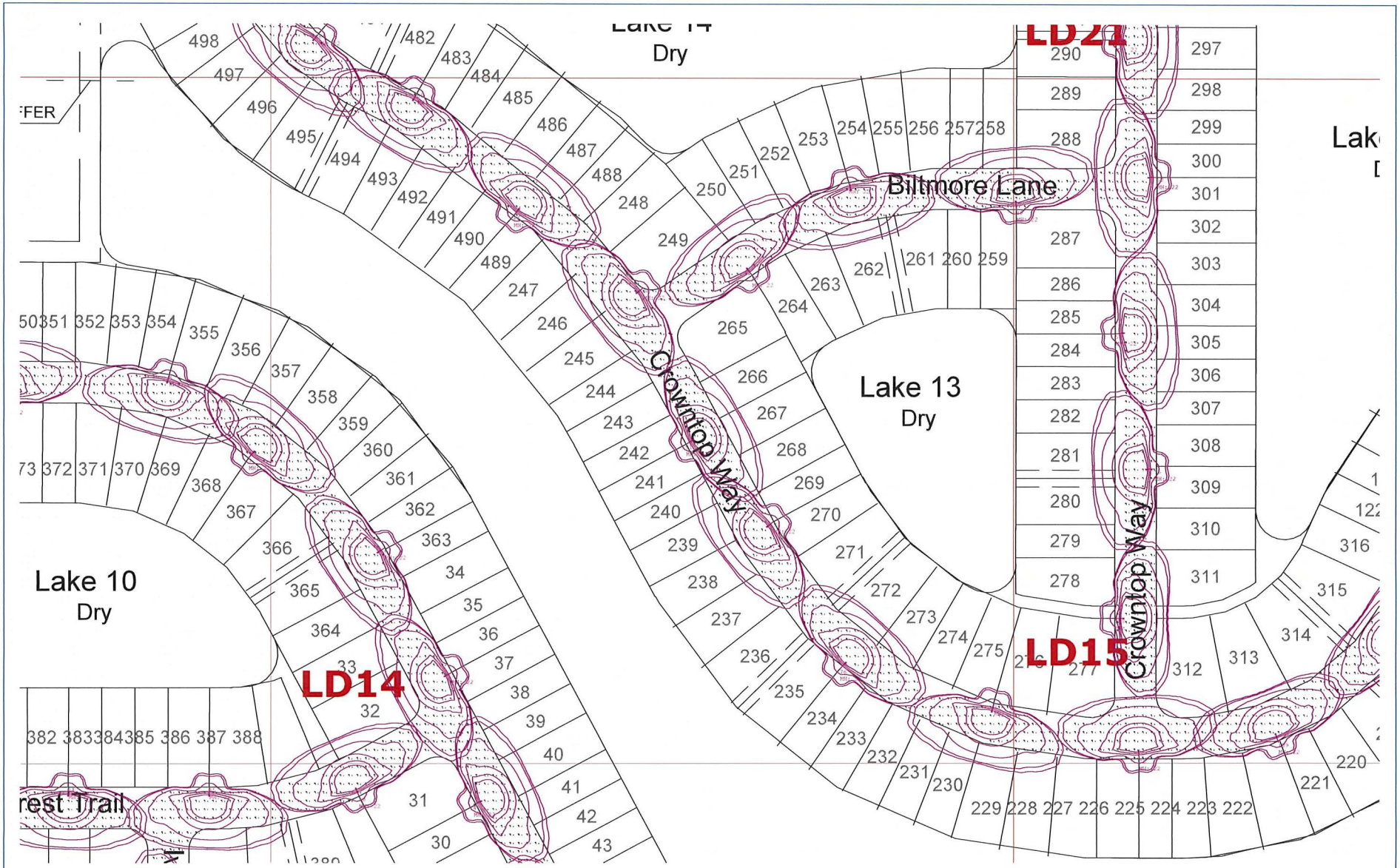

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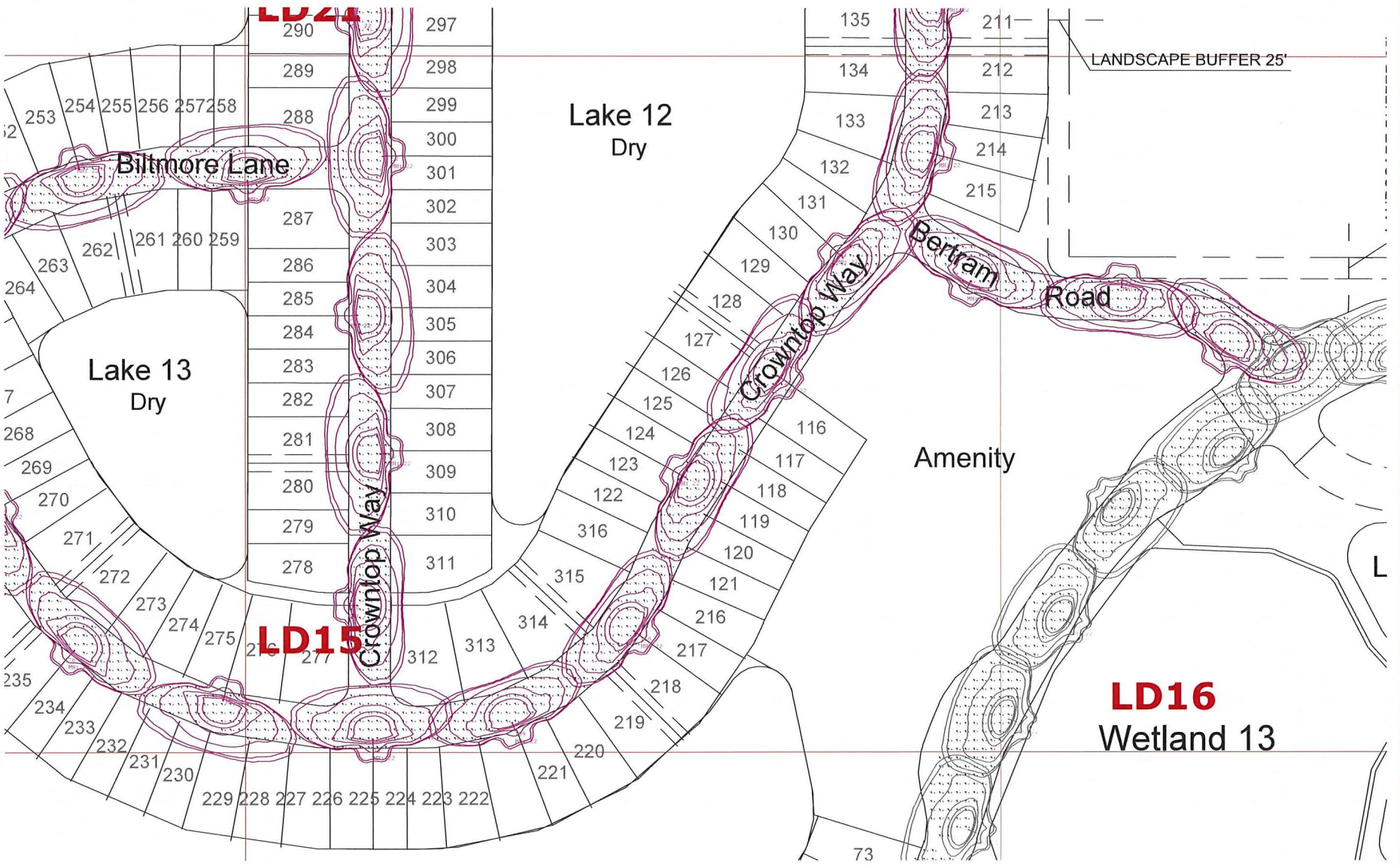

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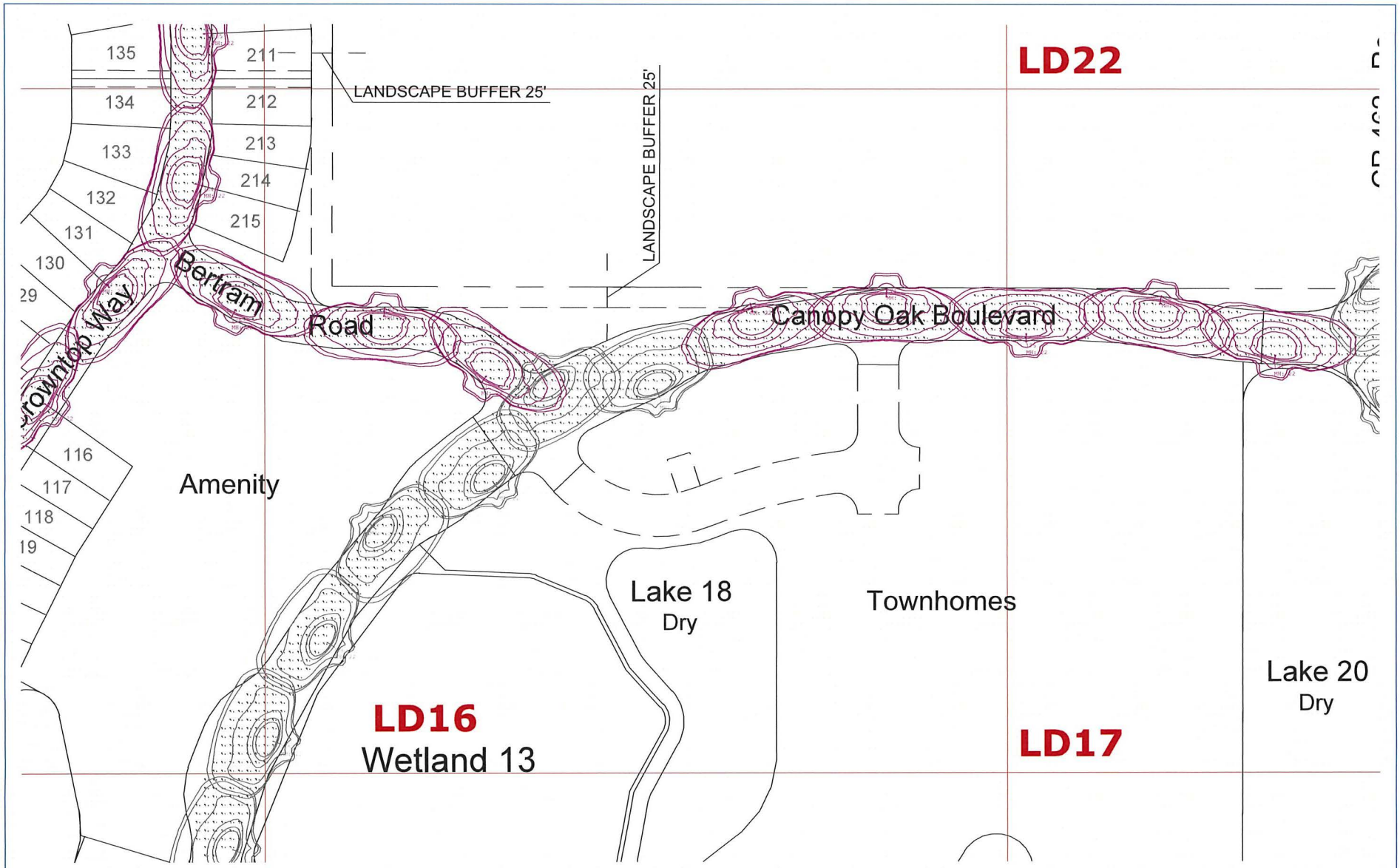

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TWISTED OAKS

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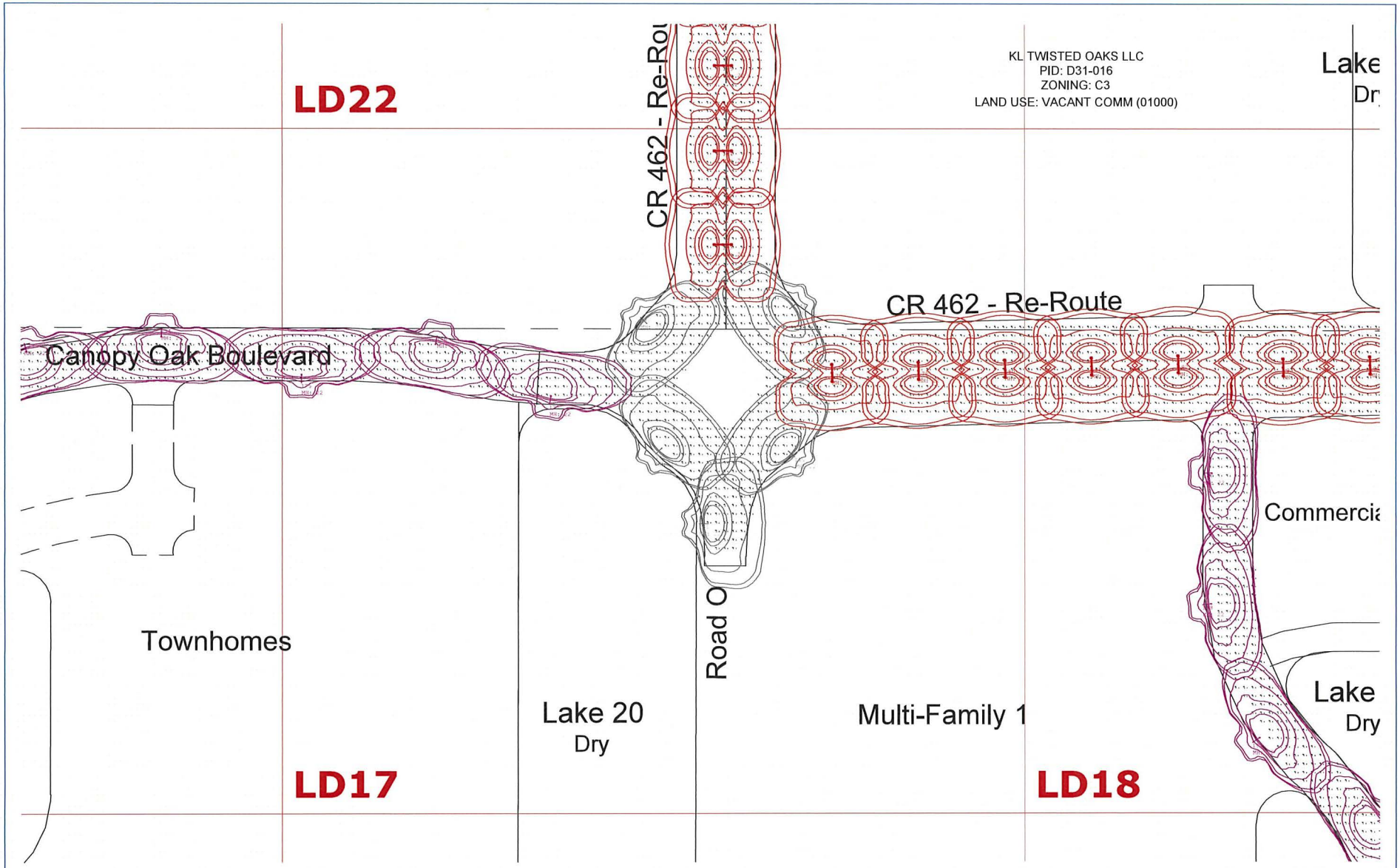

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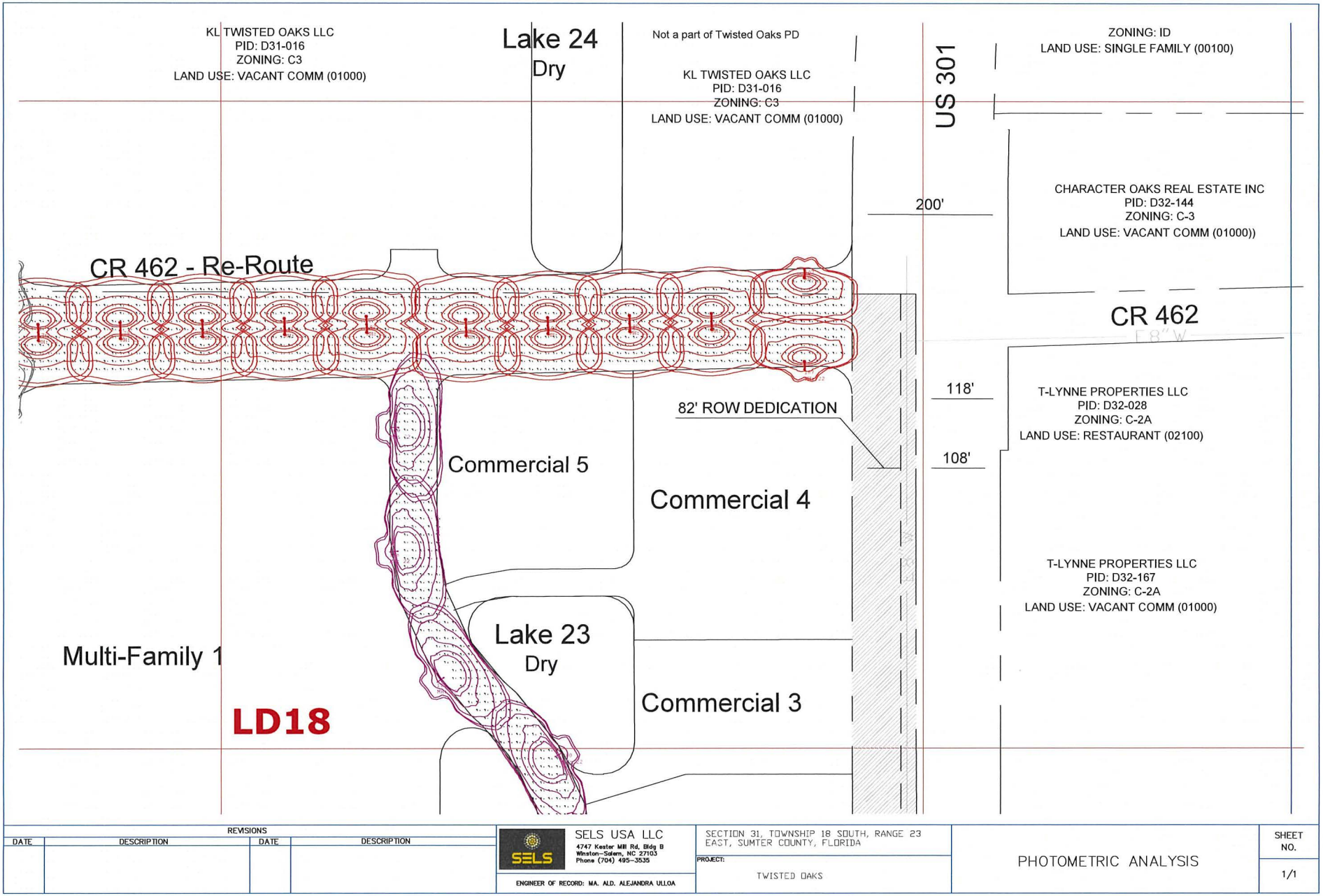

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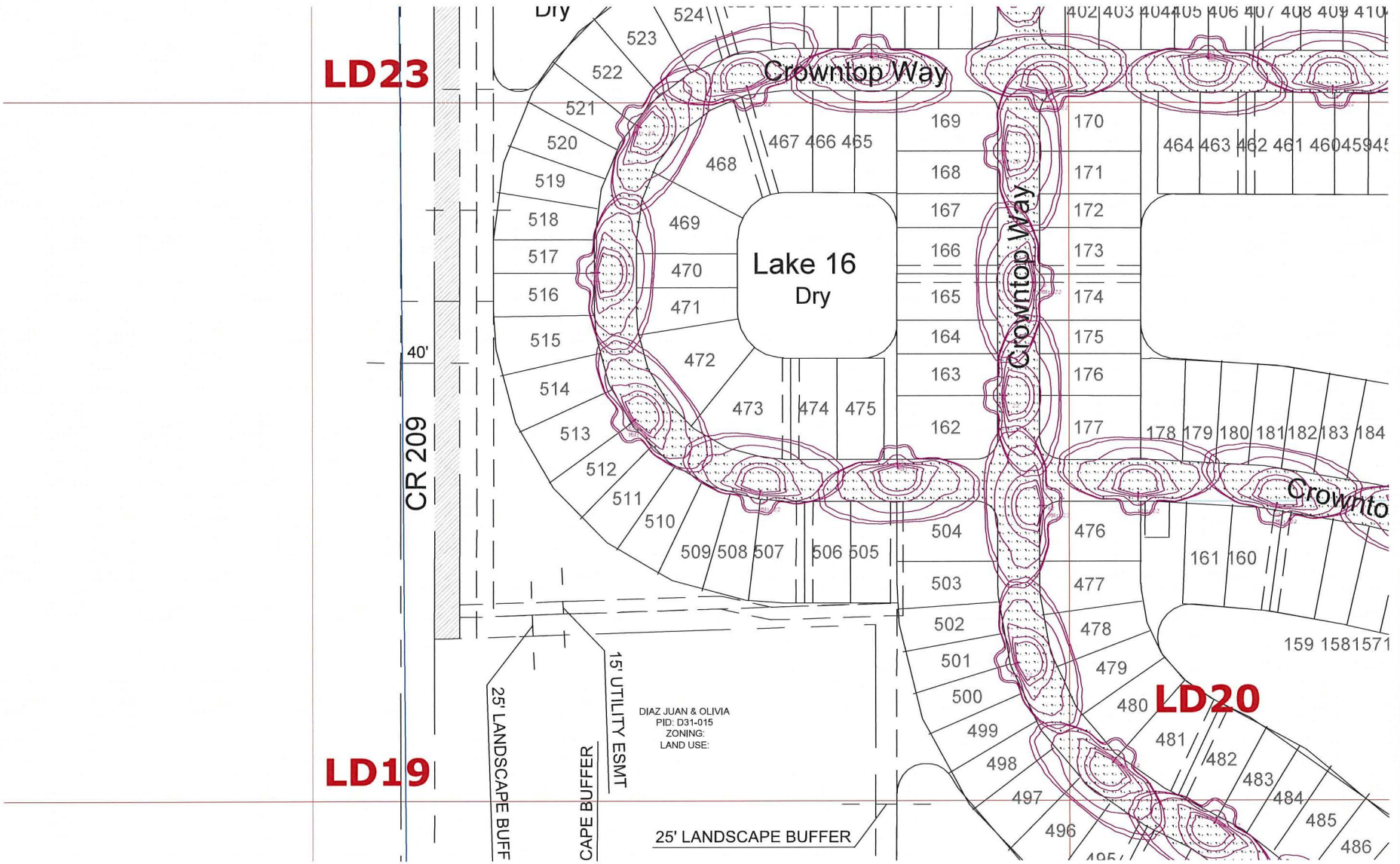

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PROJECT: TWISTED OAKS

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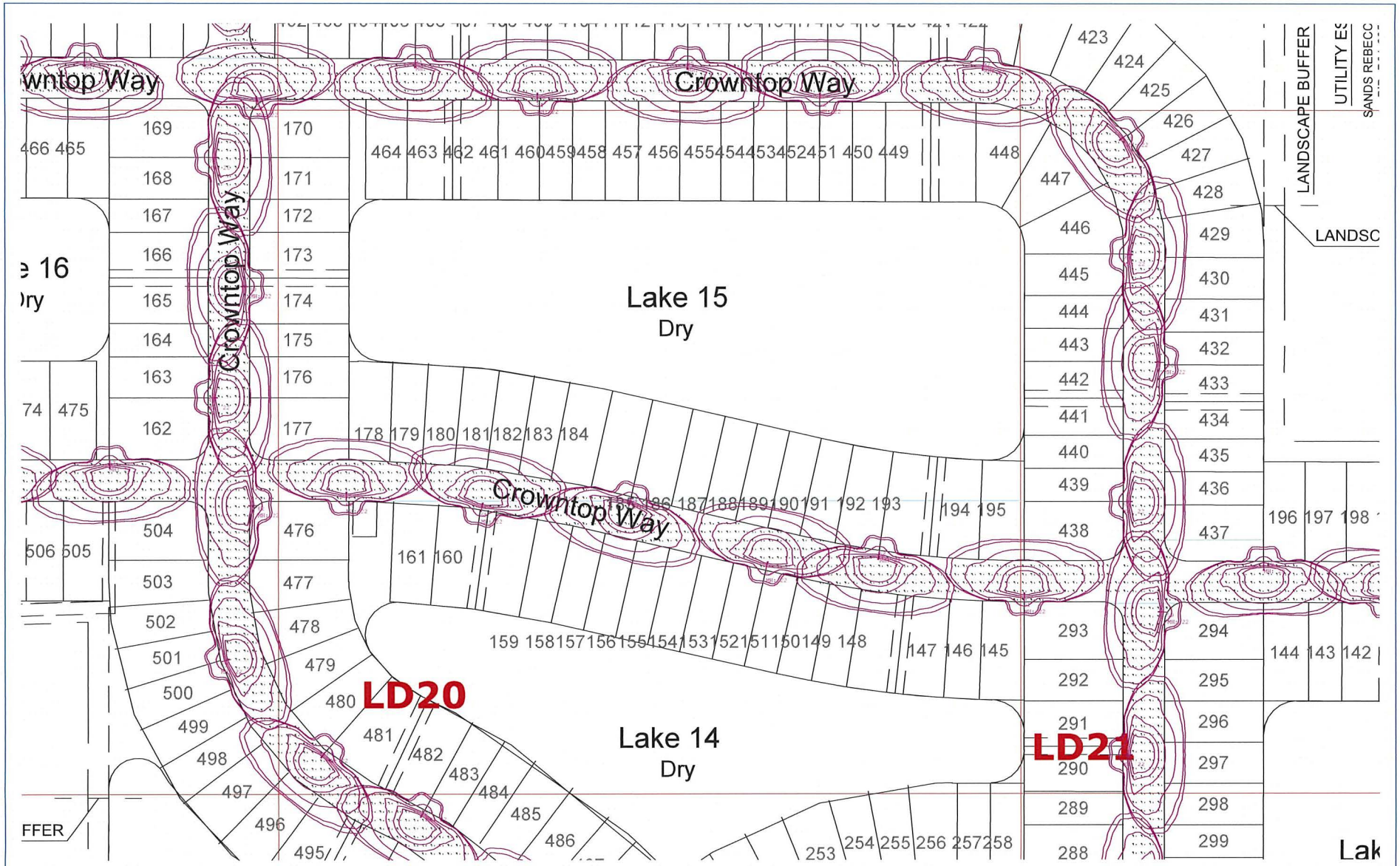

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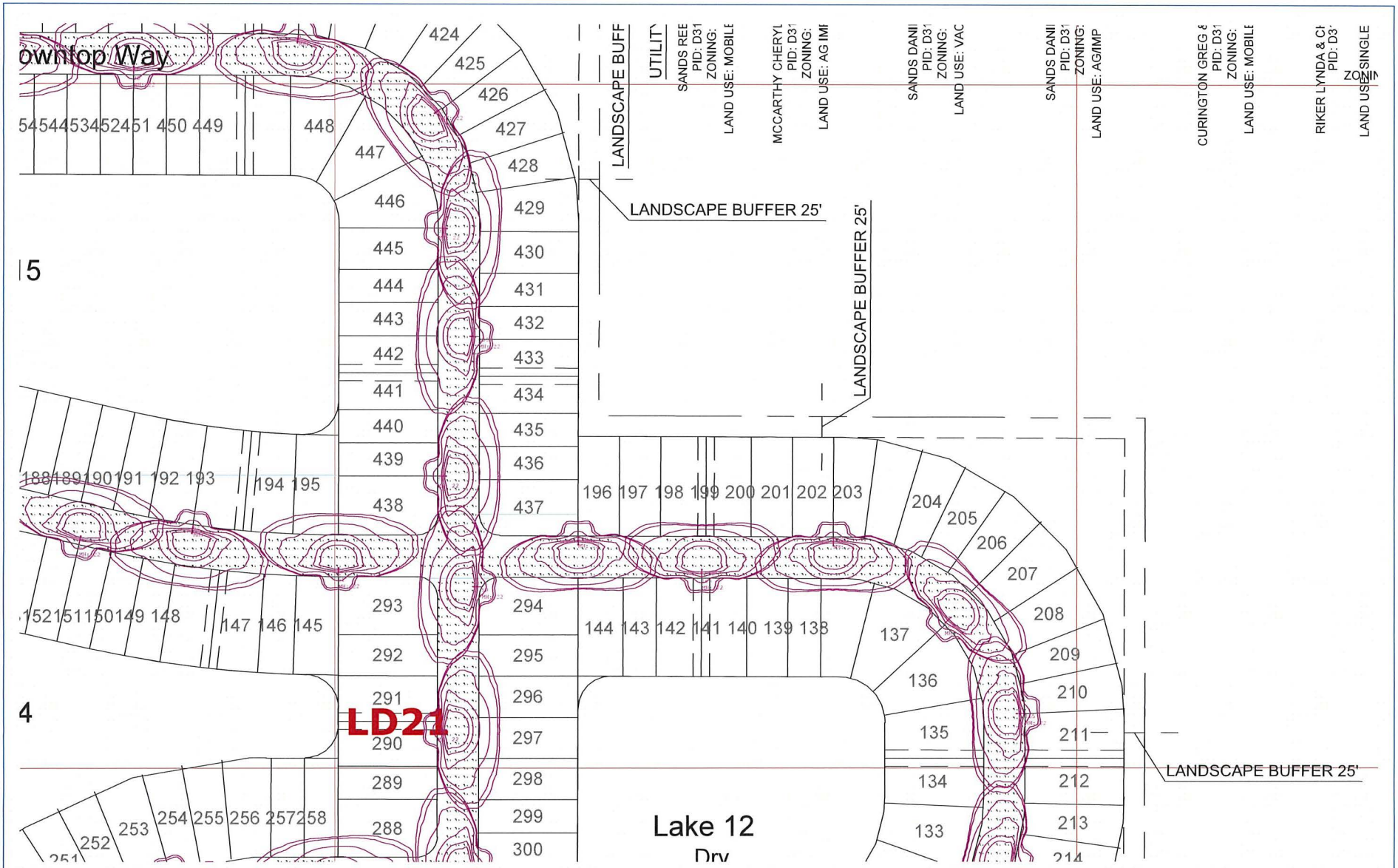

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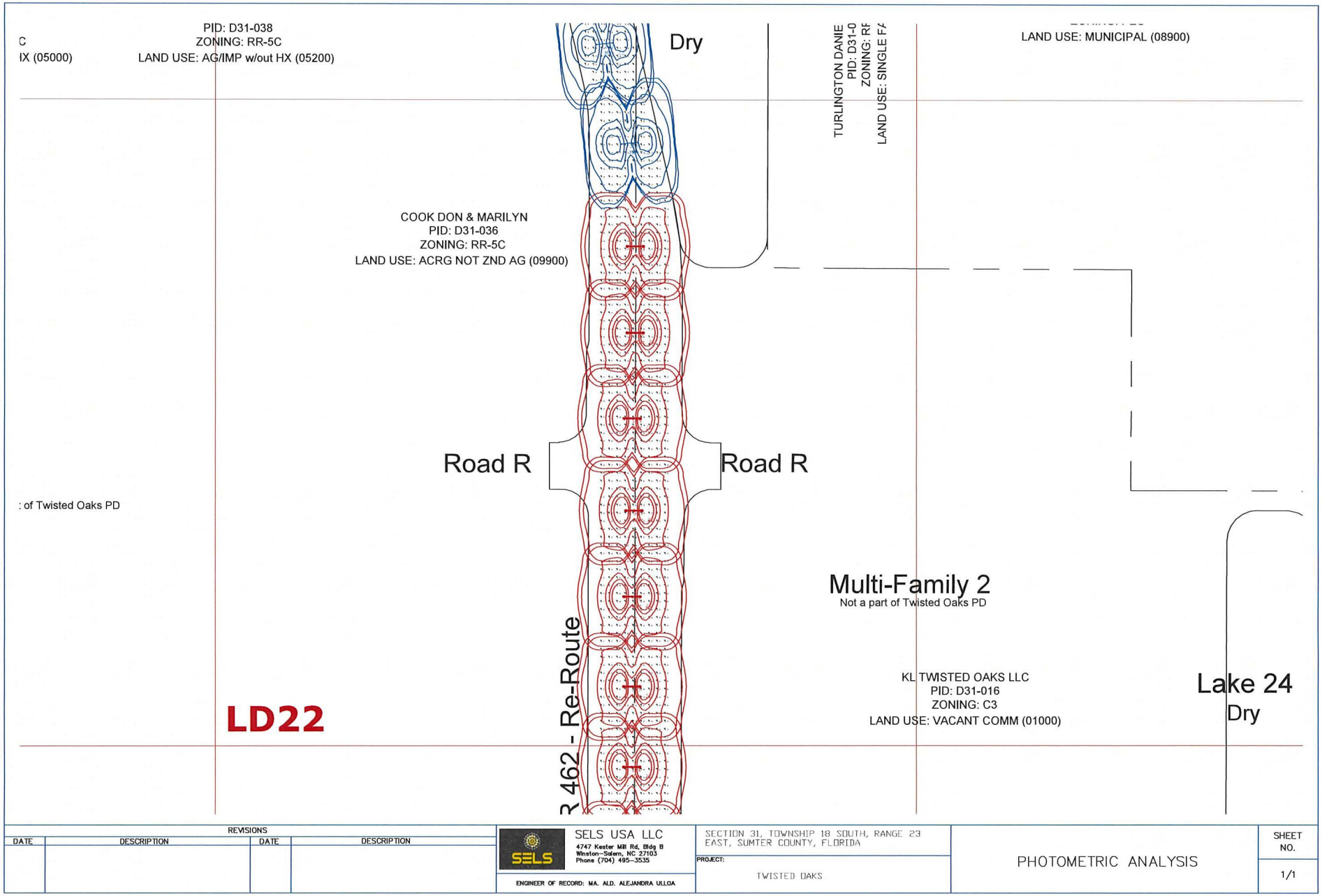

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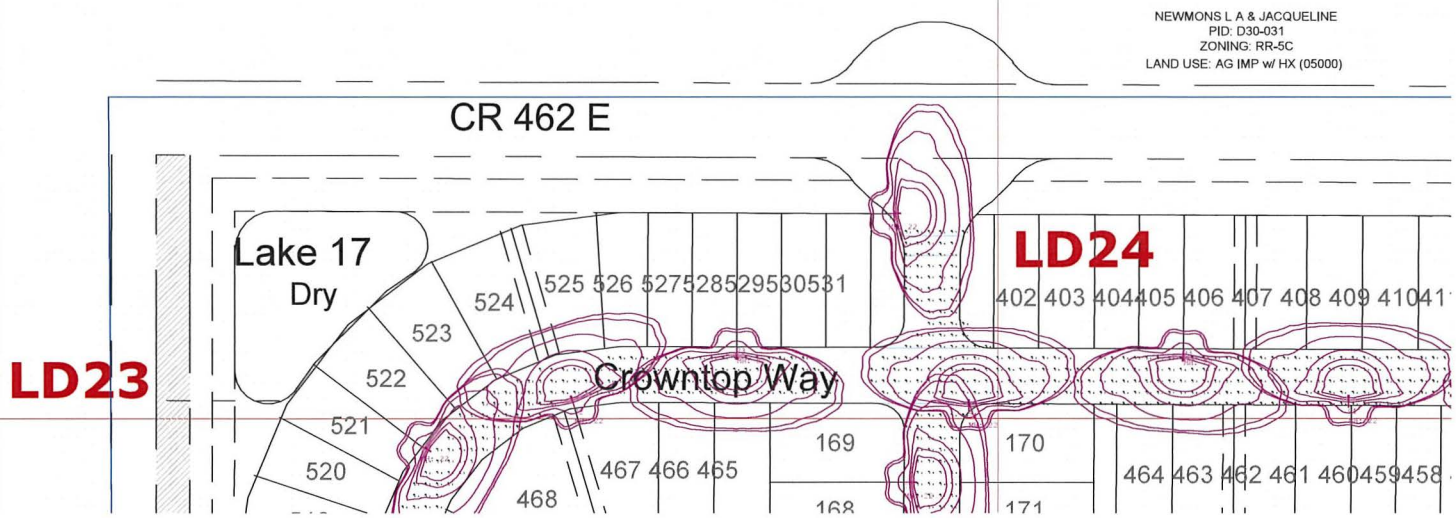

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TWISTED OAKS

PHOTOMETRIC ANALYSIS

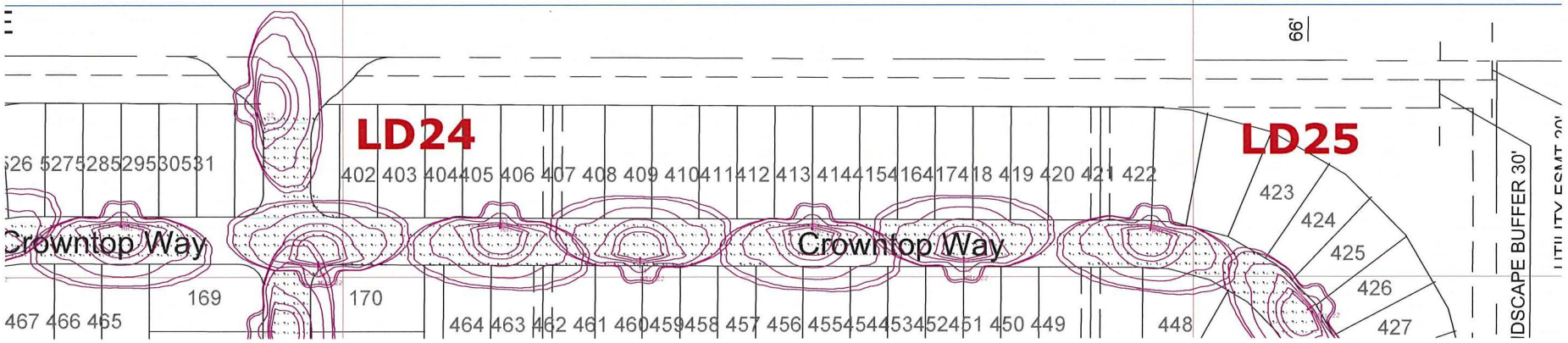
SHEET NO.
1/1

NEWMONS L A & JACQUELINE
PID: D30-031
ZONING: RR-5C
LAND USE: AG IMP w/ HX (05000)

BRINDAC DAVID A JR & KAYLA R H
PID: D30-036
ZONING: A10-C
LAND USE: AG IMP w/ HX (05000)

KINNEY LANCE E & JAIMIE C
PID: D30-081
ZONING: RR-5C
LAND USE: AGRICULTURAL (06000)

CRENSHAW DALE ANDERSON
PID: D30-095
ZONING: A10-C
LAND USE: AGRICULTURAL (06000)



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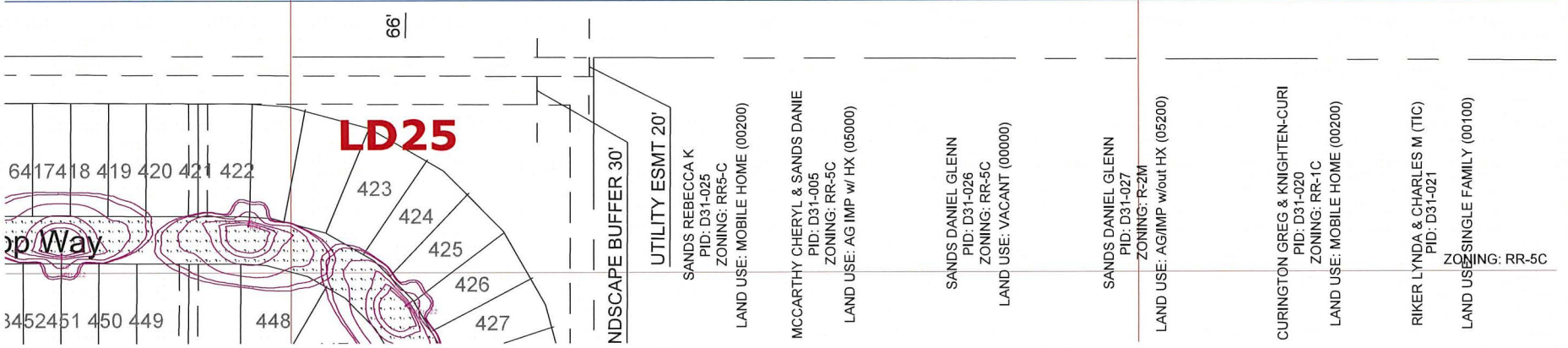
SHEET NO.
1/1

RINDAC DAVID A JR & KAYLA R H
PID: D30-036
ZONING: A10-C
LAND USE: AG IMP w/ HX (05000)

KINNEY LANCE E & JAIMIE C
PID: D30-081
ZONING: RR-5C
LAND USE: AGRICULTURAL (06000)

CRENSHAW DALE ANDERSON
PID: D30-095
ZONING: A10-C
LAND USE: AGRICULTURAL (06000)

CRENSHAW GILBERT A & EDWENA GA
PID: D30-014
ZONING: A10-C
LAND USE: AGRICULTURAL (06000)



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SHEET NO.
1/1

Luminaire Schedule					
Symbol	Qty	Label	Arrangement	Description	Luminaire Watts
	17	2-XSPSM-D-HT-3ME-8L-40K7-UL-SV-_1	Back-Back	2-XSPSM-D-HT-3ME-8L-40K7-UL-SV-_1	66.29
	146	XSPMD-D-HT-2ME-12L-40K7-Ux-SV	Single	XSPMD-D-HT-2ME-12L-40K7-Ux-SV	95
	17	XSPMD-D-HT-3ME-12L-40K7-UL-SV	Single	XSPMD-D-HT-3ME-12L-40K7-UL-SV	95.47
	6	XSPSM-D-HT-3ME-8L-40K7-UL-SV-	Single	XSPSM-D-HT-3ME-8L-40K7-UL-SV-N	66.29
	2	2- XSPSM-D-HT-2ME-8L-40K7-Ux-SV-	Back-Back	2- XSPSM-D-HT-2ME-8L-40K7-Ux-SV-	69

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
BERTRAM	Illuminance	Fc	1.23	3.2	0.4	3.08	8.00
BILTMORE LANE	Illuminance	Fc	1.02	2.7	0.4	2.55	6.75
CANOPY OAK BLOULEVAR PHASE 1	Illuminance	Fc	1.00	3.8	0.4	2.50	9.50
CANOPY OAK BOULEVARD	Illuminance	Fc	1.00	3.2	0.4	2.50	8.00
CR 462	Illuminance	Fc	1.00	3.4	0.4	2.50	8.50
CROWNTOP WAY	Illuminance	Fc	1.11	3.2	0.4	2.78	8.00
DOVER PLACE	Illuminance	Fc	1.16	3.2	0.4	2.90	8.00
HARCOURT WAY	Illuminance	Fc	1.08	2.8	0.4	2.70	7.00
IVES PLACE	Illuminance	Fc	1.07	2.7	0.4	2.68	6.75
IVES PLACE 2	Illuminance	Fc	1.14	2.9	0.4	2.85	7.25
LUNETTA WAY	Illuminance	Fc	1.05	3.1	0.4	2.63	7.75
PINECREST TRAIL	Illuminance	Fc	1.09	3.1	0.4	2.73	7.75

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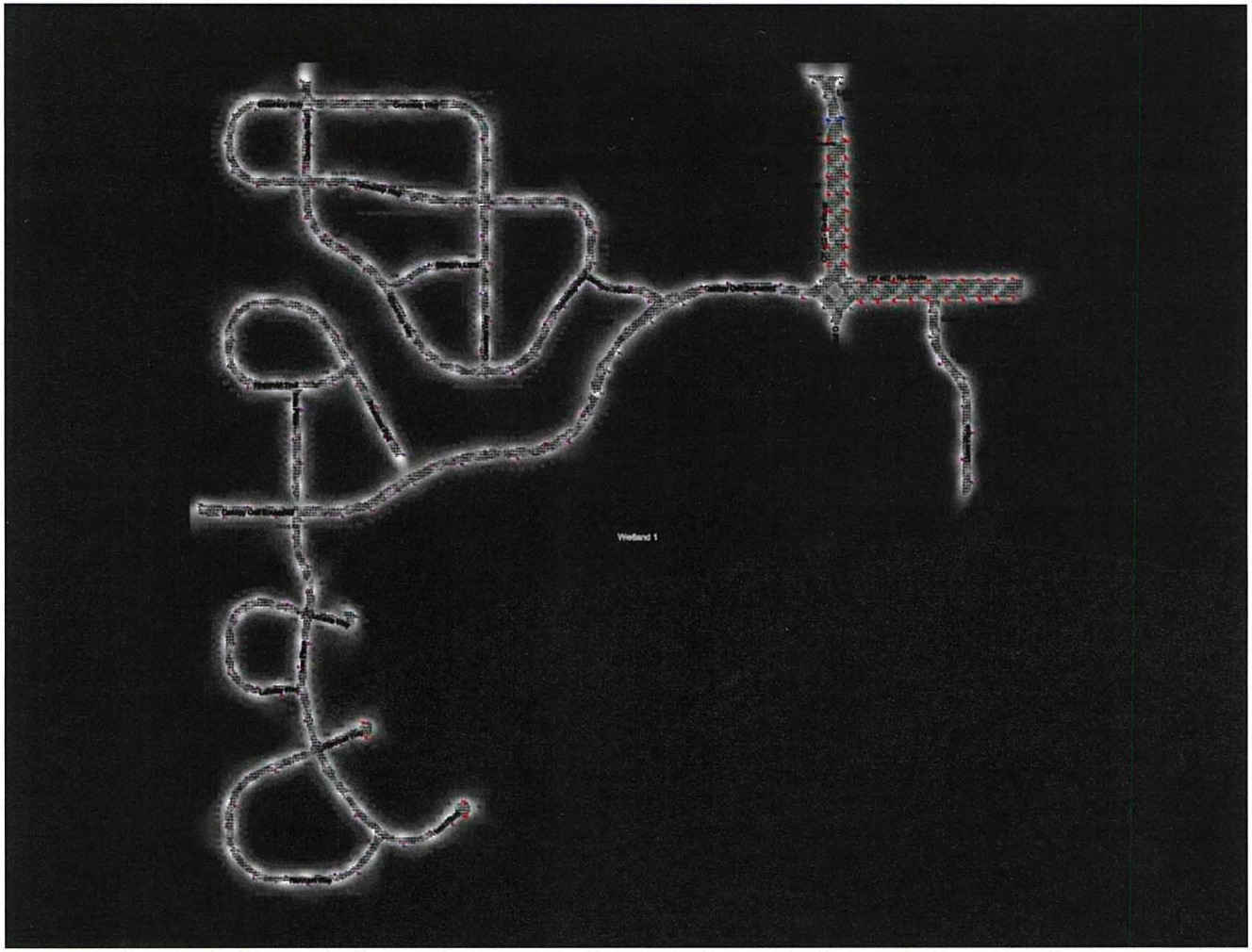

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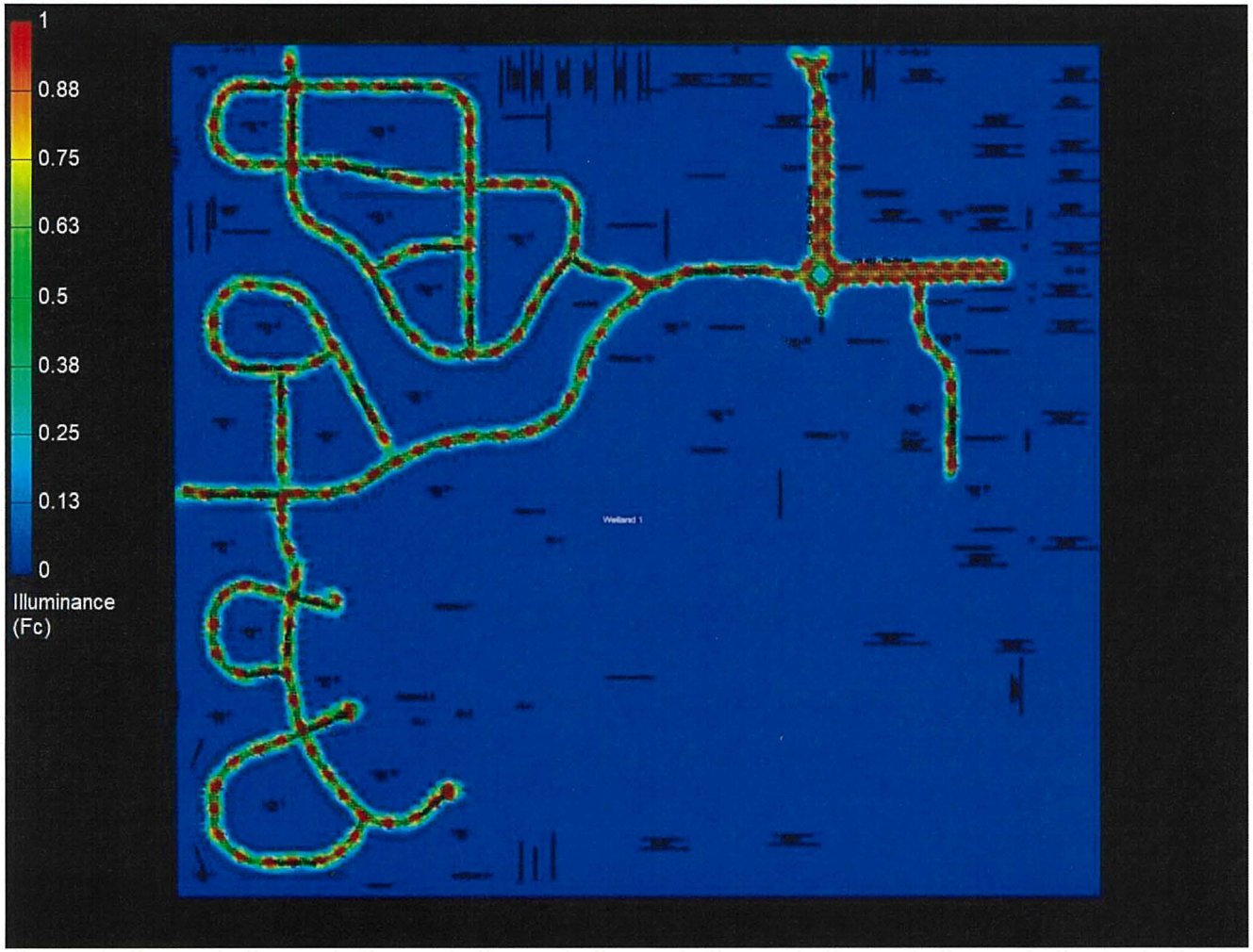

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SELS

SMART ERA LIGHTING SYSTEMS

SCOPE OF WORK

TWISTED OAKS POINTE COMMUNITY
SOLAR STREET LIGHTS

ILLUMINATING YOUR WORLD WITH THE POWER OF THE SUN

www.SELSsolar.com

4747 Kester Mill Rd.
Winston-Salem, NC 27103

SCOPE OF WORK Solar Lighting Delivery and Installation Twisted Oaks Community

This is a scope of work for the installation of solar lighting in the Twisted Oaks Community. It outlines the responsibilities of SELS Solar Lighting Contractor, and the Community Development District in carrying out the project.

1. Upon the agreement of the construction contract between SELS Twisted Pointe Community Development District, SELS will submit an initial invoice for down payment, percentage amount to be negotiated between the parties within one week of award notice. Subsequently, invoices will be submitted every four weeks throughout the construction process, with payment terms of 'net 30'.

2. SELS is responsible for performing all work in accordance with the plans, specifications, and contract documents as referenced in the contract. They will also coordinate with the Community Development District to obtain the necessary permitting. The scope of work does not anticipate any additional permitting required for construction.

3. The schedule of the construction project will be included as an appendix to the contract. SELS will provide a purchasing schedule with items to be purchased, lead times, PO# to vendor, and date required at the site. Ordering long-lead materials in a timely fashion is crucial to maintaining construction schedule targets. If any unforeseen delays occur, SELS will notify the Community Development District immediately.

4. SELS is responsible for coordinating with the engineering firm and the assigned contact for the project if any utilities are determined to be interfering with construction. SELS shall consult with the Project Engineer if utility exploration reveals utility conflict that cannot be avoided to identify acceptable relocation of pole location and receive written approval to adjust pole installation location.

5. SELS will provide adequate manpower to maintain the project schedule and coordinate with other contractors to minimize delays within their control. SELS will also furnish a full-time, competent, and professional work foreman who will be on the site to coordinate the work and make binding decisions on behalf of SELS.

6. SELS will maintain a record set of plans and specifications at the work site, which will be updated weekly. These plans will be marked up in detail in red to indicate changes, additions, and modifications to accommodate field and job site conditions. SELS will also provide a post-construction report, operations manuals, warranty certifications, etc. after completing the construction project.

7. SELS has a tentative construction schedule of five units per day for a total of 100 installed units per month, working regular hours, with exceptions and allowances made for weather or other unforeseen circumstances.

8. Lastly, SELS will perform all work in accordance with local, city, state, and federal regulations and codes, as well as all other governing authorities having jurisdiction. In case of any conflicts between documents, scopes, and drawings, the solution that benefits the project will override and take precedence. Any conflicts should be addressed through the Request for Information (RFI) process for clarification.

Technical SCOPE OF WORK Solar Lighting Delivery and Installation Twisted Oaks Community

The Technical Scope of Work for Solar Lighting Installation outlines the requirements and specifications for the installation of solar lighting systems in Twisted Oaks Community Development. The following are the detailed explanations of each point:

1. The solar lighting systems and proposed design are based on the Florida Department of Transportation (FDOT) Design Manual, specifically on Topic: #625-000-002 Table 231.2.1 Lighting Initial Values Other Roadways. This ensures that the design meets the required standards and specifications set by FDOT.

2. The solar lighting units will be composed of round tapered aluminum poles and goose neck arm(s) with a solar panel mounted on top of the pole. The batteries and electronics will be housed in an enclosure located under the solar panel, which will be manufactured with NEMA standards. The pole, mast arm(s), and solar panel brackets will be coated with baked thermoset powder in the desired color (to be specified by the customer). Power storage will use lithium iron phosphate batteries (LiFePO4), and the capacity will be varied based on load and location. All brackets and hardware will be manufactured with 316 stainless steel to ensure corrosion resistance.

3. All pole installations are based on specs as direct burial, according to specs. SELS will design the best method and procedure of installation for the direct burial pole with a certified structural engineer on the state of Florida after the contract is awarded.

4. All lighting systems will be equipped with Lora WAN (Long Range Wide Area Network) communication protocol to control and monitor function remotely - Smart City Capabilities. The communication system will require 3-4 gateways that shall be installed on lighting poles throughout the project site.

5. Installation of a given unit will be completed in stages according to Twisted Oaks Community Development. The first stage is to install the pole unit. The second stage consists of installing all hardware to the pole, including the solar panel, lamp, electronics, enclosure, batteries, etc., and commissioning the powering-on of the unit to function autonomously and at full function.

6. The total project consists of 188 poles throughout the length of the roadways on Twisted Oaks Community Development. Installation shall be completed in several phases of 100 poles each.

7. All soil, grass, and landscaping shall be returned to its original state following excavation of soil for installation of the foundation. This ensures that the installation does not damage the surrounding environment.

8. Prior to installation, SELS shall lay out all new lamp locations by additional survey and inspect for utility conflicts at each location where utility conflict is uncertain. SELS shall coordinate with Project Engineer to determine a suitable relocation point should there be unavoidable utility conflicts discovered at planned installation location.

9. SELS shall establish a staging location for equipment and supplies for the project. This ensures that all the required equipment and supplies are readily available during the installation process.

10. SELS shall coordinate with other project contractors to minimize conflicts during the parallel construction and installation. This ensures that the installation process does not interfere with other ongoing construction activities on the site.

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SMART ERA LIGHTING SYSTEMS

ALR CALCULATION OPTION

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Smart Era Lighting Systems
4747 Kester Mill Rd, Bldg B, Winston-Salem, NC 27103
704-495-3535

Lighting System Performance Report

Project Name
Twisted Oaks Community Development District
Roadway Lighting

Location
Wildwood, FL
(28.86, -82.04)

System Configuration

Total LED Load 120 W

PV Wattage	285 W	Battery Capacity	102.6 A-h
PV Angle (from horizontal)	35 Deg	Battery Voltage	25.6 V
Azimuth Angle	180 Deg	Battery Quantity	1 Ea
		Battery Type	$LiFePO_4$

Location Characteristics

	Daily Average Peak Sun Hours	Daily Average PV Energy Collection
October	5.87 hrs	1338.36 Watt-hrs
November	5.24 hrs	1194.72 Watt-hrs
December	4.84 hrs	1103.52 Watt-hrs
January	5.31 hrs	1210.68 Watt-hrs
February	5.25 hrs	1197 Watt-hrs

Charging performance from PV module derated to 80% to account for surface degradation and internal cell degradation over 25 year lifetime.

Operating Profile (Longest Night)

Dec 21 Sunset: 5:41 pm || Dec 22 Sunrise: 7:16 am || Length of Night: 12hrs, 35min

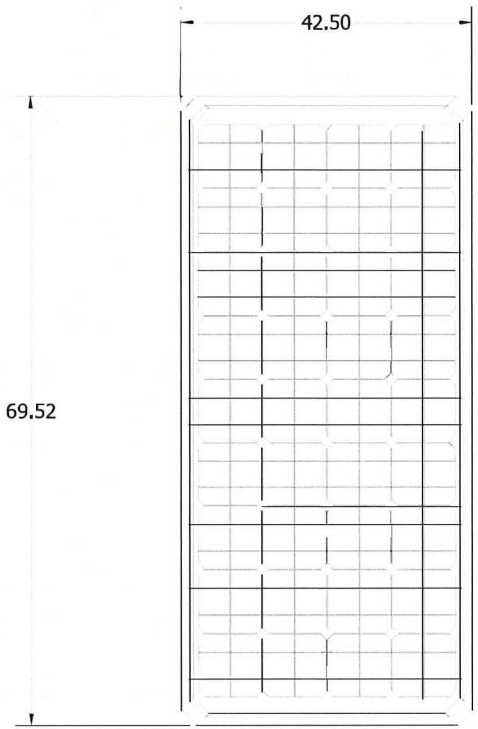
Load Usage (per night) 12 hrs
Dimming Profile SMART MODE

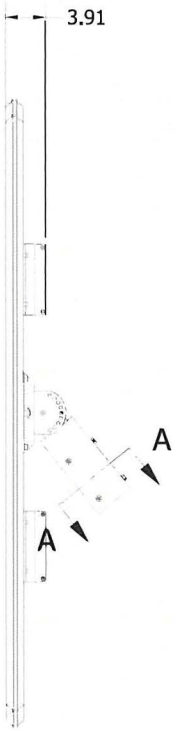
Performance Characteristics

December Array : Load Ratio	1.31
Battery Autonomy (Hours)	30.77 hrs
Battery Autonomy (Nights)	4.40 days

To ensure maximum operational life, power storage performance derated to include maximum depth of discharge limited to 80%.

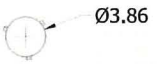
Note: User defined adjustments may be made by the project owner using SELS' online lighting control platform. The solar lighting controller uses a built-in real-time clock allowing for dusk to dawn transition detection and user selected parameters.





NOTES:

285W MONOCRYSTALLINE PV MODULE
102 Ah | 25.6V $LiFePO_4$ BATTERY TOTAL
WEIGHT: 108 LBS



SECTION A-A
SCALE 1 / 12

REV	DESCRIPTION	DATE

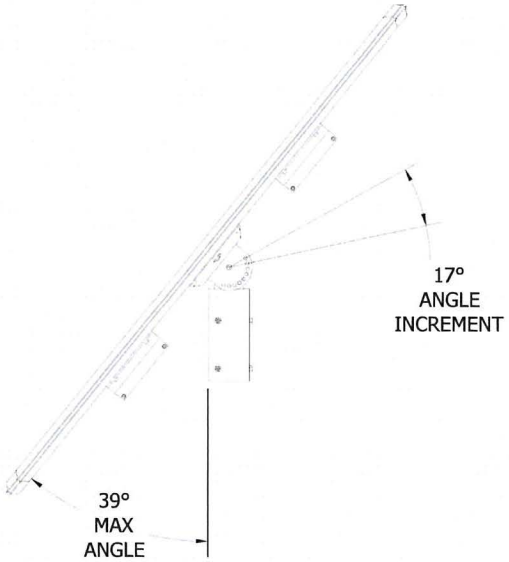
DRAWN Garrett Higgins 2/28/2023
CHECKED
APPROVED
MFG
MATERIAL

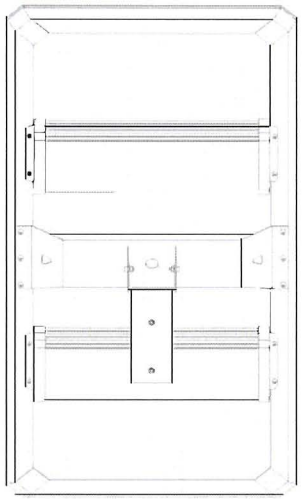
SELS USA LLC
Winston-Salem, NC 27103
Engineering@selsled.com

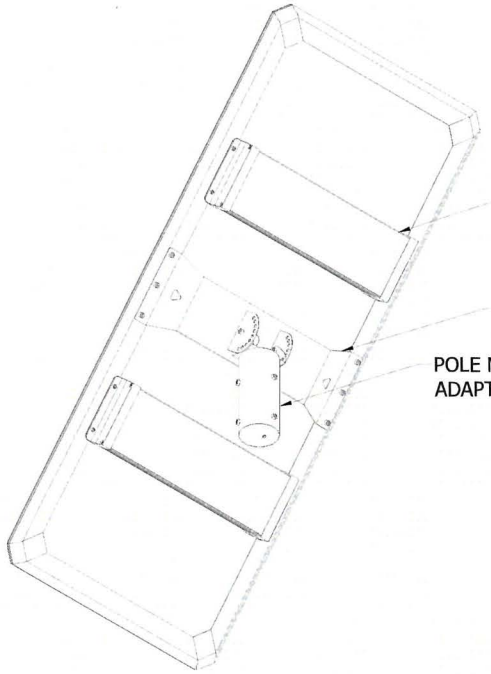
TITLE

285W STL-PRO OVERVIEW

SIZE B
SCALE 1 / 12
SHEET 1 of 2







REV	DESCRIPTION	DATE

DRAWN Garrett Higgins 2/28/2023

CHECKED

APPROVED

MFG

MATERIAL

SELS USA LLC
Winston-Salem, NC 27103
Engineering@selsled.com

TITLE

285W STL-PRO OVERVIEW

SIZE B

SCALE 1 / 12

SHEET 2 of 2

Smart Era Lighting Systems
4747 Kester Mill Rd, Bldg B, Winston-Salem, NC 27103
704-495-3535

Lighting System Performance Report

Project Name
Twisted Oaks Community Development District
Roadway Lighting

Location
Wildwood, FL
(28.86, -82.04)

System Configuration

Total LED Load 90 W

PV Wattage	210 W	Battery Capacity	122.4 A-h
PV Angle (from horizontal)	35 Deg	Battery Voltage	12.8 V
Azimuth Angle	180 Deg	Battery Quantity	1 Ea
		Battery Type	$LiFePO_4$

Location Characteristics

	Daily Average Peak Sun Hours	Daily Average PV Energy Collection
October	5.87 hrs	986.16 Watt-hrs
November	5.24 hrs	880.32 Watt-hrs
December	4.84 hrs	813.12 Watt-hrs
January	5.31 hrs	892.08 Watt-hrs
February	5.25 hrs	882 Watt-hrs

Charging performance from PV module derated to 80% to account for surface degradation and internal cell degradation over 25 year lifetime.

Operating Profile (Longest Night)

Dec 21 Sunset: 5:41 pm || Dec 22 Sunrise: 7:16 am || Length of Night: 12hrs, 35min

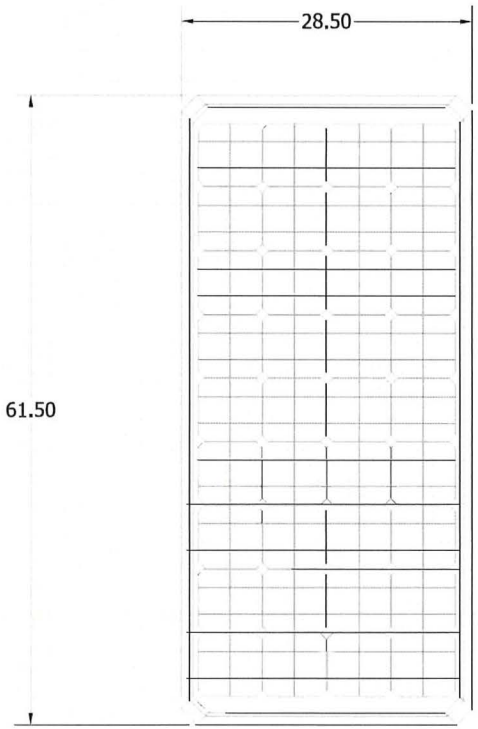
Load Usage (per night) 12 hrs
Dimming Profile SMART MODE

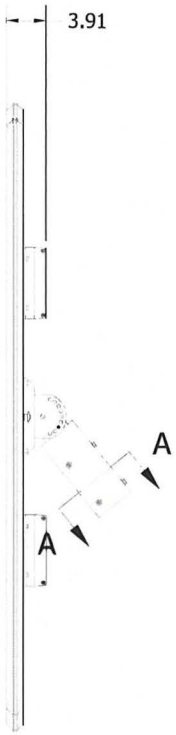
Performance Characteristics

December Array : Load Ratio	1.31
Battery Autonomy (Hours)	24.47 hrs
Battery Autonomy (Nights)	3.50 days

To ensure maximum operational life, power storage performance derated to include maximum depth of discharge limited to 80%.

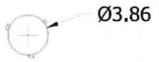
Note: User defined adjustments may be made by the project owner using SELS' online lighting control platform. The solar lighting controller uses a built-in real-time clock allowing for dusk to dawn transition detection and user selected parameters.





NOTES:

210W MONOCRYSTALLINE PV MODULE
122.4 Ah | 12.8V $LiFePO_4$ BATTERY
TOTAL WEIGHT: 72LBS



SECTION A-A
SCALE 1 / 12

REV	DESCRIPTION	DATE

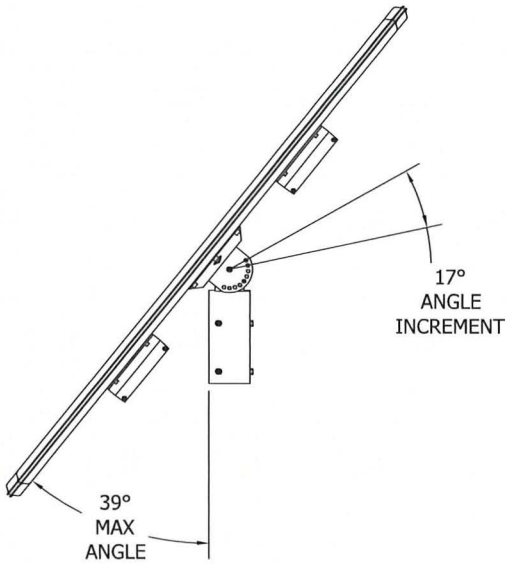
DRAWN: Garrett Higgins 2/28/2023
CHECKED:
APPROVED:
MFG:
MATERIAL:

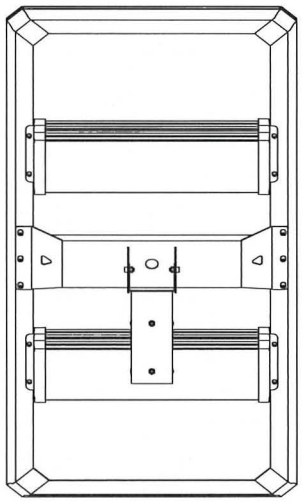
SELS USA LLC
Winston-Salem, NC 27103
Engineering@selsled.com

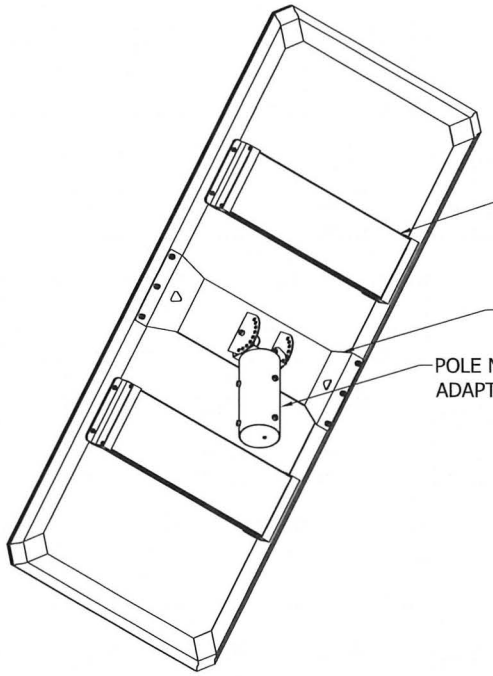
TITLE

210W STL-PRO OVERVIEW

SIZE B
SCALE 1 / 12
SHEET 1 of 2







REV	DESCRIPTION	DATE

DRAWN: Garrett Higgins — 2/28/2023
CHECKED
APPROVED
MFG
MATERIAL

SELS USA LLC
Winston-Salem, NC 27103
Engineering@selsled.com

TITLE

210W STL-PRO OVERVIEW

SIZE B

SCALE 1 / 12

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Explanation of Solar System Design

When designing a complete solar powered system, SELS begins with the worst-case load usage, usually winter solstice for a lighting system. To reliably estimate the optimum solar power production to sustain the system indefinitely, we base all calculations around the specific location where the system will be installed. Additionally, because the sun does not shine the same in all locations, we rely on data compiled over decades by the US Department of Energy's National Renewable Energy Lab (NREL). The system sizing is based on Typical Meteorological Year data sets derived from at least 15 years of data in the National Solar Radiation Database (NSRDB), considering also temperature, angle of the solar panel relative to the horizon, and direction of panel relative to the polar azimuth.

Though the design calculations are quite complicated, we can break down the reliability and performance of a solar power system to a single number called Array-to-Load Ratio (ALR). This is an easy to understand concept describing the amount of energy that can be conservatively expected to be generated and stored to the system batteries on a given day, relative to the amount of energy used by the electronic loads of the system. An ALR over 1.3 can be expected to be exceptionally reliable and with SELS' other system design parameters, is guaranteed to operate without failure for 365 days a year, for many years. SELS has hundreds of solar lighting systems installed around the world dating back to 2013 with zero outages or failures. Based on system location and load usage, the proposed design achieves an ALR over 1.31 with true battery backup of over 3.50+ DAYS.

Battery autonomy is defined as the battery's ability to support the system load, under normal operating conditions, with no charging input to the battery. When considering total battery capacity, it is important to differentiate between usable capacity and nameplate capacity. Usable capacity varies based on battery chemistry and treatment. In the case of Lithium Iron Phosphate, we limit the discharge to 80%to maximize the life of the battery system and improve cycle performance.

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Quote

SELS - Smart Era Lighting Systems
4747 Kester Mill Rd, Bldg B
Winston-Salem, NC 27103

704-495-3535
arandall@selssolar.com
CustomerService@selsled.com

OPTION 1

Date: 3/22/2023

Quote Number:	12531

To
TWISTED OAKS POINTE COMMUNITY DEVELOPMENT
Craig Wrathell
gillyardd@whhassociates.com

Reference: TWISTED OAKS COMMUNITY DEVELOPMENT DISTRICT - STREET LIGHTS

Qty	Description of Goods & Services	Price	Total
169	Solar Street Light, 210W Solar Panel, LifePo4 Batteries, 122,4 Ah, 12.8V, LED Output from Bell head, 90W Multiple Light Distrubution according to photometrics, I,II, III, IV, V, Color Temperature 4000k	$ 3,325.00	$ 561,925.00
19	Solar Street Light, 285W Solar Panel, LifePo4 Batteries, 102,6 Ah, 25.6V, LED Output from Bell head, 120W Multiple Light Distrubution according to photometrics, I,II, III, IV, V, Color Temperature 4000k	$ 4,425.00	$ 84,075.00
188	Round Tapered Direct Burial Aluminum Pole with Goose Neck arm	$ 1,380.00	$ 259,440.00
188	Installation Services per Solar Lighting System	$ 1,425.00	$ 267,900.00
4	Product Delivery Schedule	$ 3,200.00	$ 12,800.00

NOTE: Tax exempt status at time of order

NOTE: Quote Valid: 60 Days

NOTE: The delivery schedule adheres to the prescribed time frame of 30 days subsequent to receiving a written request from the district.

Amount	$	1,186,140.00
Tax		
Total Quotation Price	$	1,186,140.00

This material is intended solely for use by the addressee and its agents at addressee organization. This quote request is sent to compare available offers and does not imply entering into a legally binding agreement. Quote valid for 60 days from date of issue.

Wire Payment Information

Bank Name:	Truliant Bank
Account Name	SELS USA LLC
Account Number:	400056013926
Fed Wire:	253177832

For and on behalf of
SELS USA LLC

www.SELSLED.com

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SMART ERA LIGHTING SYSTEMS

SMART CITY CAPABILITIES

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SMART ERA LIGHTING SYSTEMS

US HEADQUARTERS
ADDRESS: 4747 KESTER MILL RD, PHONE: +1 (704) 495-3535
WWW.SELSLED.COM

STREET LIGHT MANAGEMENT PLATFORM

Smart Solar Streetlighting Control System by SELS

Networked control system addresses the following:

No Lighting Control

No ongoing control option for changing environmental needs

High Sustained Cost

Potential labor burdens and power costs associated with device modifications

Waste

Ineffective lighting strategy resulting in wasted power

SELS Smart Street Lighting?

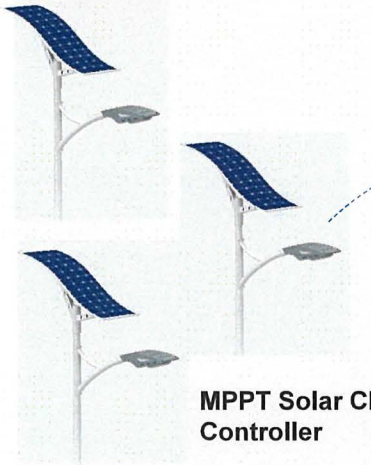
LoRa™

LoRa WAN

Long Range Wide Area Network

- Long Range
- Wide Area, Low Power Consumption
- Low Deployment Cost
- Bi-direction
- Standard LoRaWAN Network/Application Server
- Convenient Installation
- Easy Network Establishment
- Quick LoRa Devices Added
- Easy Maintenance

Control System Outline



MPPT Solar Charge Controller

LoraWan Gateway

Cloud

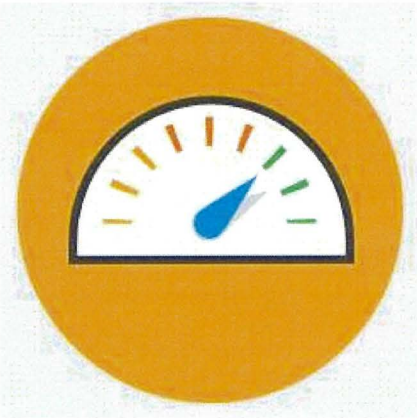
- The charge controller updates the system configuration parameters via gateway by RF signal.
- After receiving the command from the cloud-based system, the gateway will process to light controllers, which updates the parameters programmed to the charge controller. The lamp system now functions according to the prescribed plan.

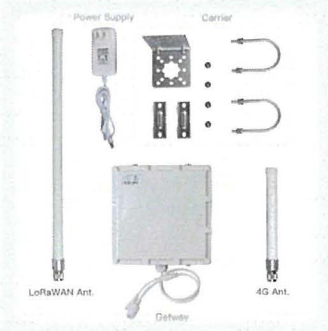
Control System Specs

WE-GM-10 series gateway is a communication gateway based on LoRaWAN protocol standard. It is a key node device for building low-power wide area networks. The gateway has full-duplex data forwarding capability, meeting the requirements of high communication distance and low power consumption. Used in conjunction with SELS' LoRa enabled solar lighting controller, the user may network up to 2,000 nodes

- 12V~36V wide voltage DC input
- Conforms to LoRoWAN wireless transmission protocol to support transmission and reception of full-duplex LoRa communication
- Support multiple network access methods such as 2G/3G/4G and LAN
- Adaptive data transfer rate
- Output power up to 23dBm
- Sensitivity dropped to -142.5dBm
- Supports 8 channels concurrently, with up to 2,000 accessible nodes
- The farthest transmission distance is 15km (line of sight), 2km (city distance)
- Supports various operating frequencies such as US915MHz, EU868MHz, CN470MHz, AU915MHz
- Effective lightning protection grounding protection

Performance Parameters

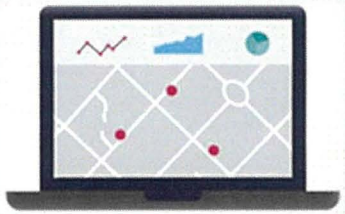




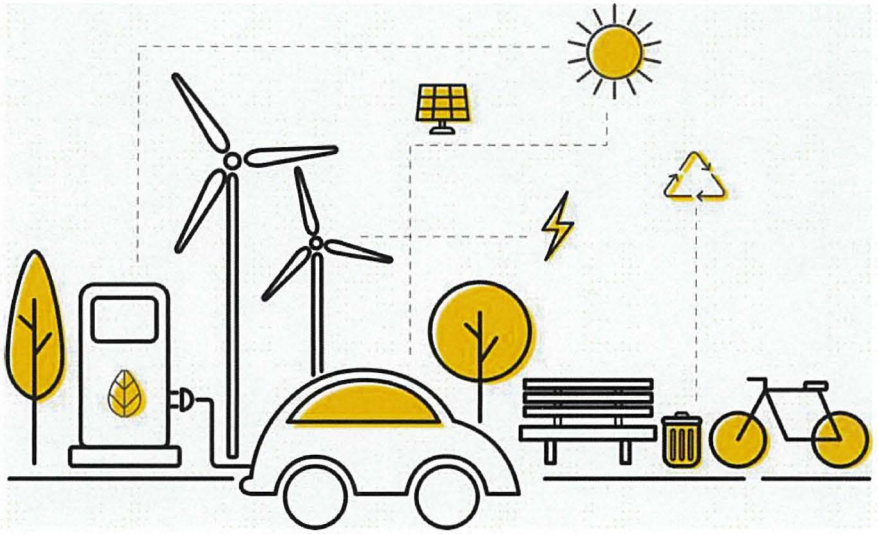
- **Communication parameters:**
- **Operating frequency: US915MHz/EU868MHz/CN470MHz/AU915MHz**
- **Channels: 8 125KHz, rate adaptive, support for spreading factor SF7-SF12**
- **Transmit power: < 23dBm**
- **Receive sensitivity: > -142.5dBm**
- **Transmission distance: 2Km (city) / 15Km (line of sight)**
- **Access method: LAN, 2G/3G/4G**
- **Data Protocol: UDP/TCP/MQTT**
- **LoRa antenna: T-NC female interface**
- **4G antenna: T-NC female interface**

SELS Smart Street Light Controller (Nodes)

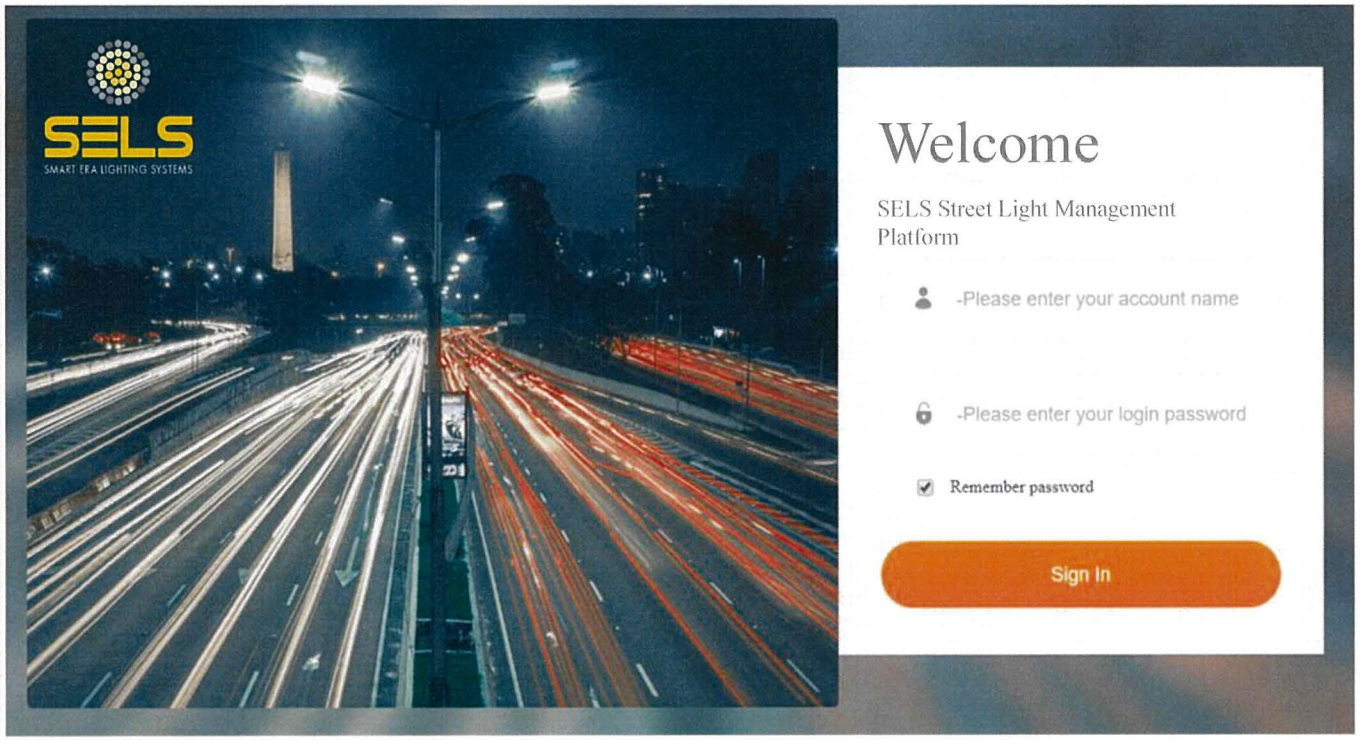
- No-Load-Loss: 42mA/12V; 23mA/24V
- System Voltage: 24V
- Charging Current: 15A
- Max.Solar Panel Power: 200W/12V; 400W/24V
- Solar Panel Input voltage: <60
- MPPT Tracking Efficiency: >99%
- Charging Conversion Efficiency: 93% to 96%
- Load Conversion Effiency: 92% to 96%
- Output Current: 70mA to 5600mA
- Load Current Accuracy: Load Current>300mA
- Max Load Power: 80W/12V; 160W/24V



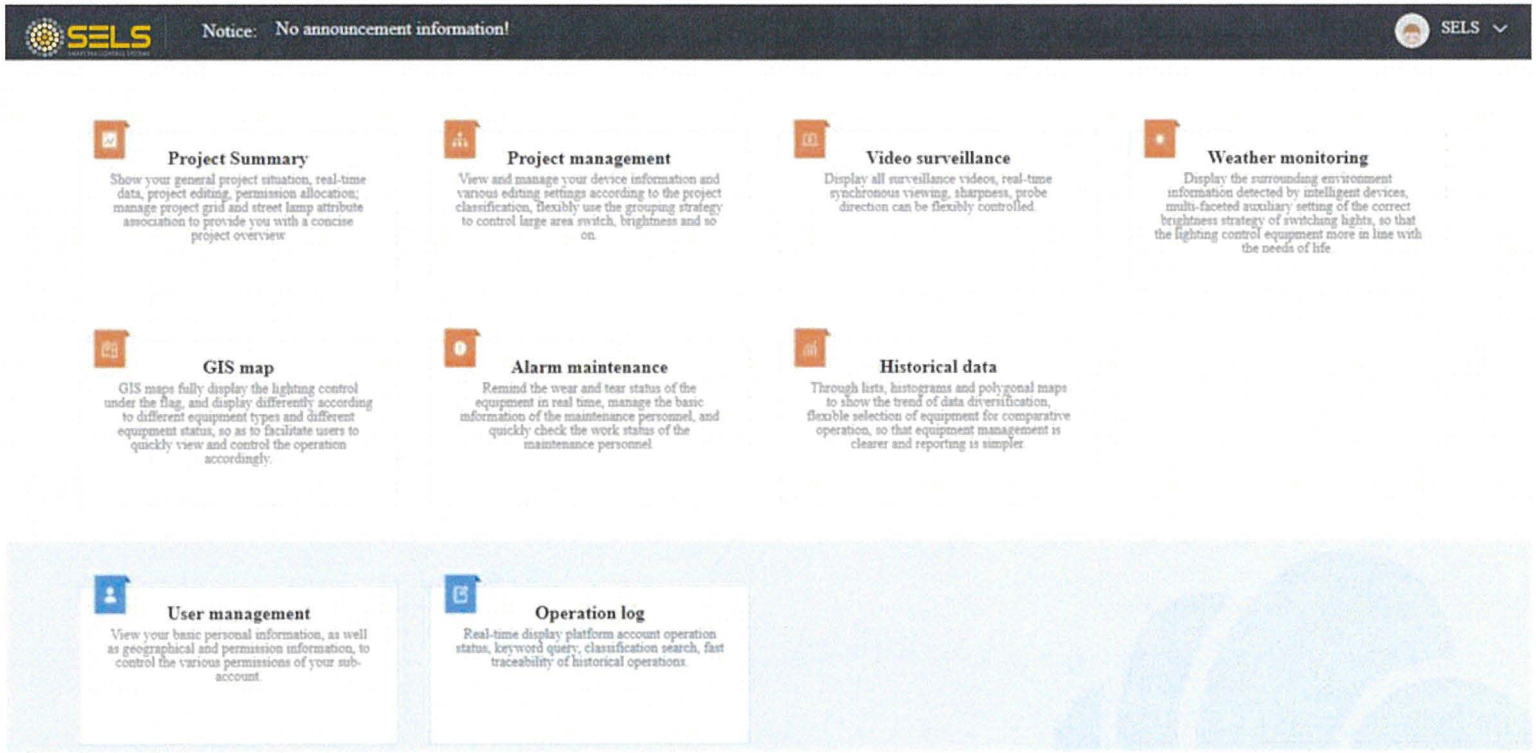
SELS Street Light Management Platform



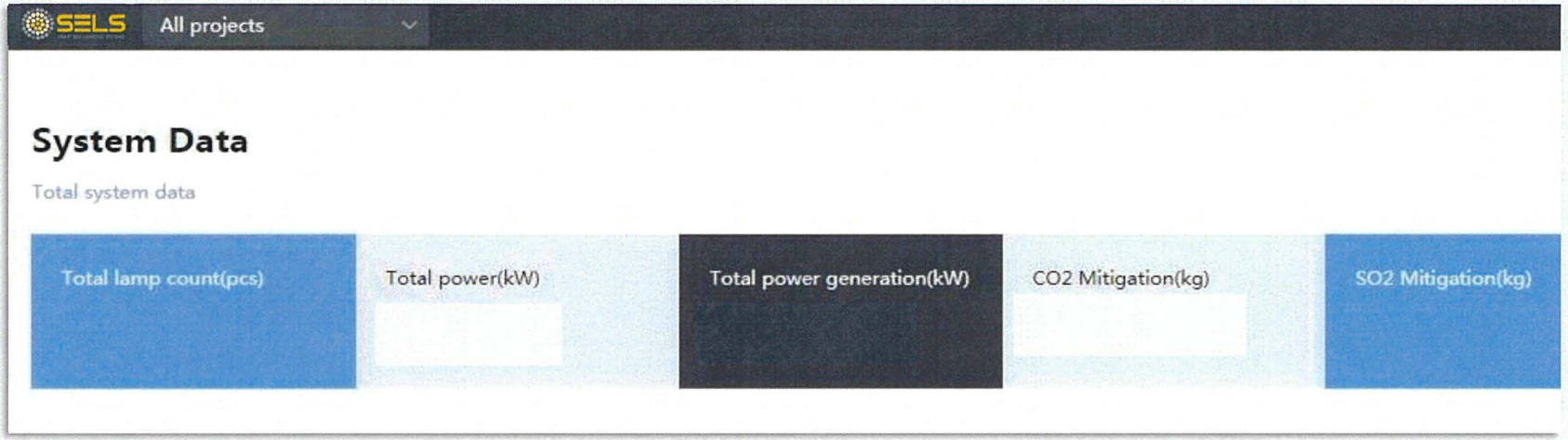
Welcome Page



Main Page

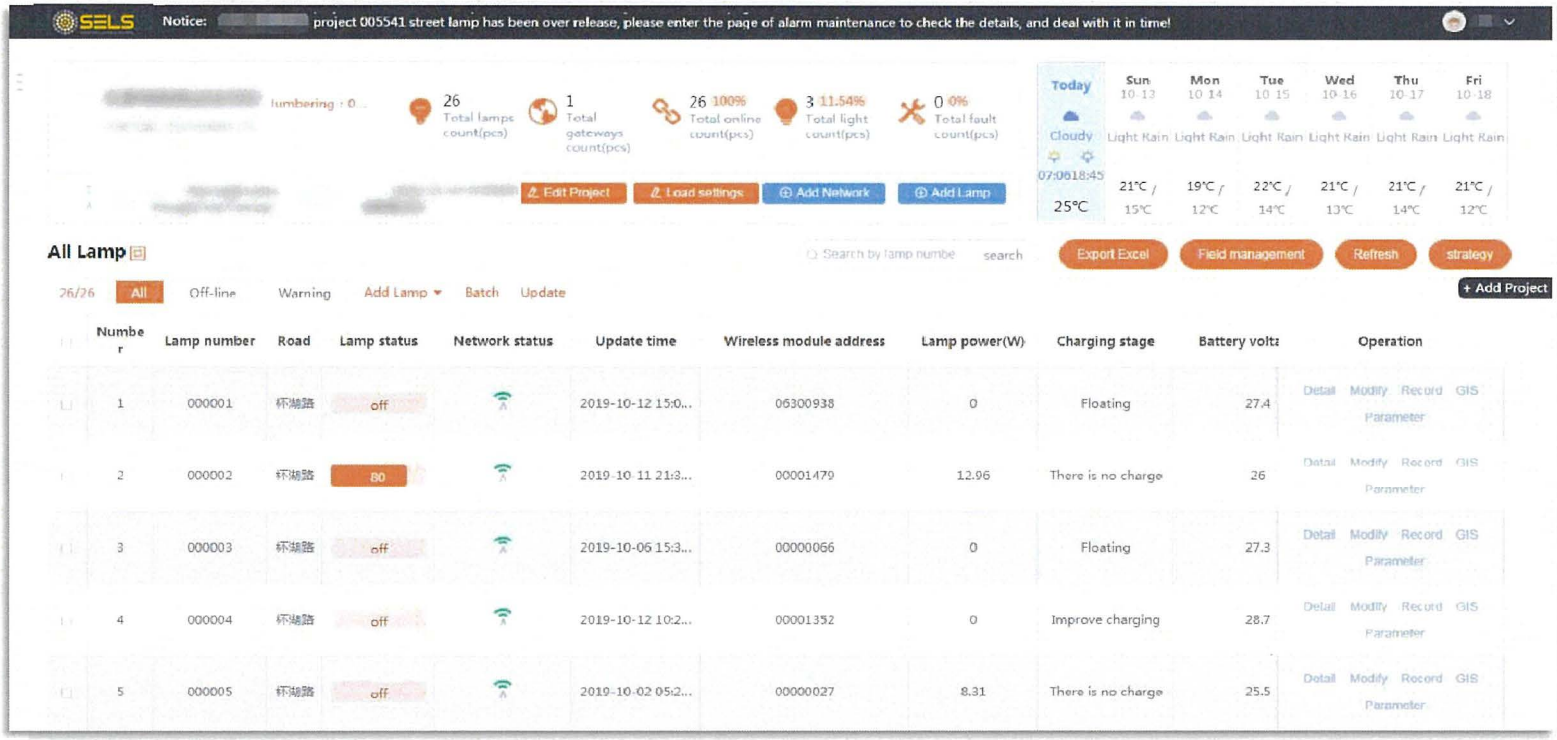

SELS
Notice: No announcement information!
SELS
Project Summary
Show your general project situation, real-time data, project editing, permission allocation; manage project grid and street lamp attribute association to provide you with a concise project overview
Project management
View and manage your device information and various editing settings according to the project classification, flexibly use the grouping strategy to control large area switch, brightness and so on.
Video surveillance
Display all surveillance videos, real-time synchronous viewing, sharpness, probe direction can be flexibly controlled.
Weather monitoring
Display the surrounding environment information detected by intelligent devices, multi-faceted auxiliary setting of the correct brightness strategy of switching lights, so that the lighting control equipment more in line with the needs of life.
GIS map
GIS maps fully display the lighting control under the flag, and display differently according to different equipment types and different equipment status, so as to facilitate users to quickly view and control the operation accordingly.
Alarm maintenance
Remind the wear and tear status of the equipment in real time, manage the basic information of the maintenance personnel, and quickly check the work status of the maintenance personnel.
Historical data
Through lists, histograms and polygonal maps to show the trend of data diversification, flexible selection of equipment for comparative operation, so that equipment management is clearer and reporting is simpler.
User management
View your basic personal information, as well as geographical and permission information, to control the various permissions of your sub-account.
Operation log
Real-time display platform account operation status, keyword query, classification search, fast traceability of historical operations.

System Data



Shows total lamps currently managed by your account

Project Management

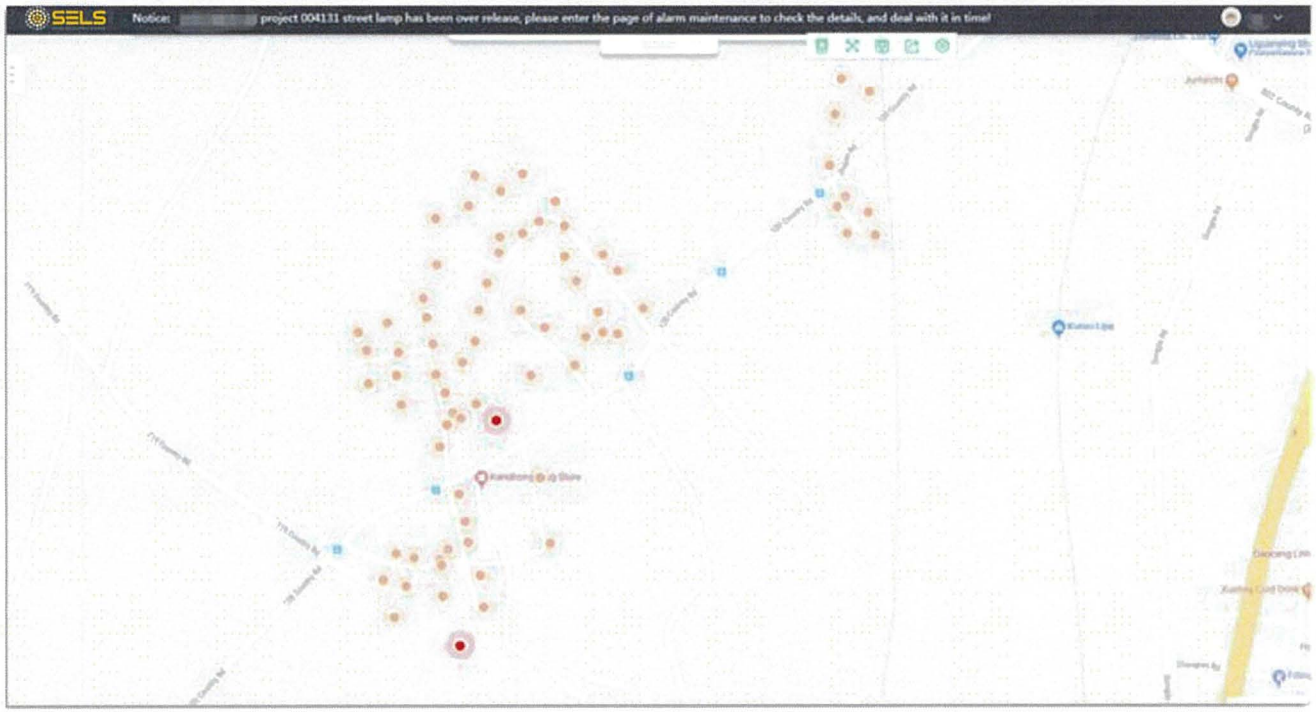


project management

View and manage your device information and various editing settings according to the project classification, flexibly use the grouping strategy to control large area switch, brightness and so on.

User can monitor and manage all the lamps under the same project.

GIS Map

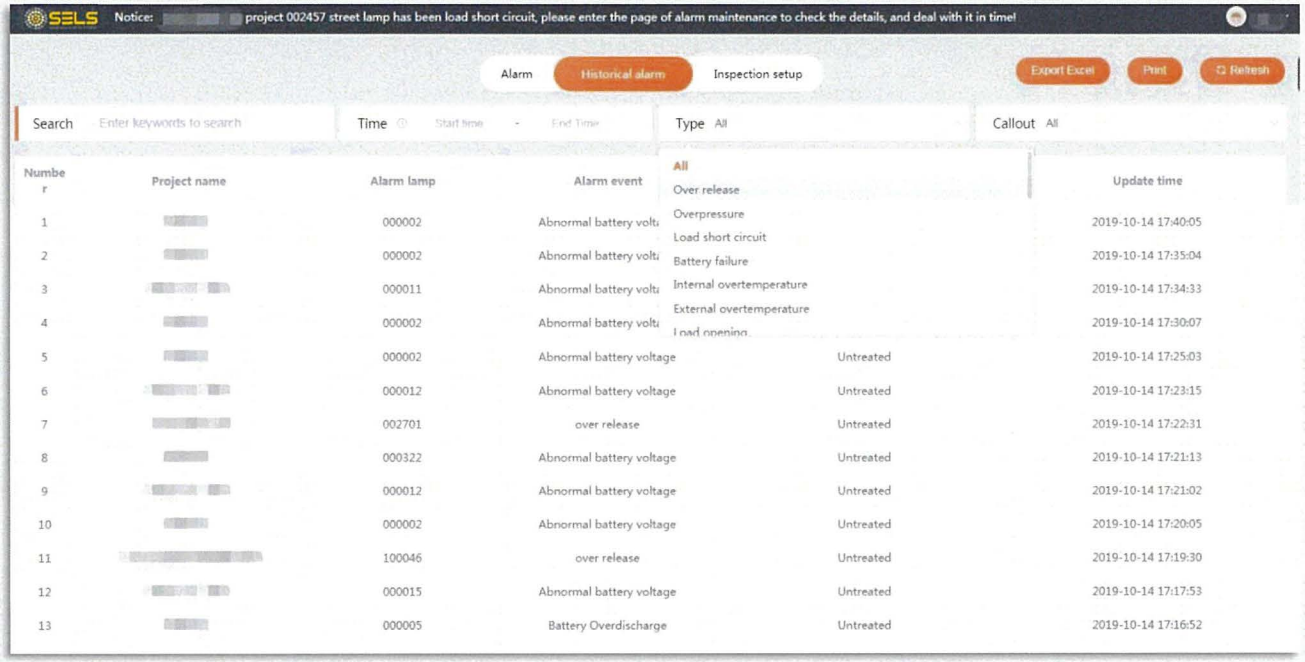


GIS map

GIS maps fully display the lighting control under the flag, and display differently according to different equipment types and different equipment status, so as to facilitate users to quickly view and control the operation accordingly.

Support positioning and GIS map presentation

Alarm Report and Maintenance



Alarm maintenance

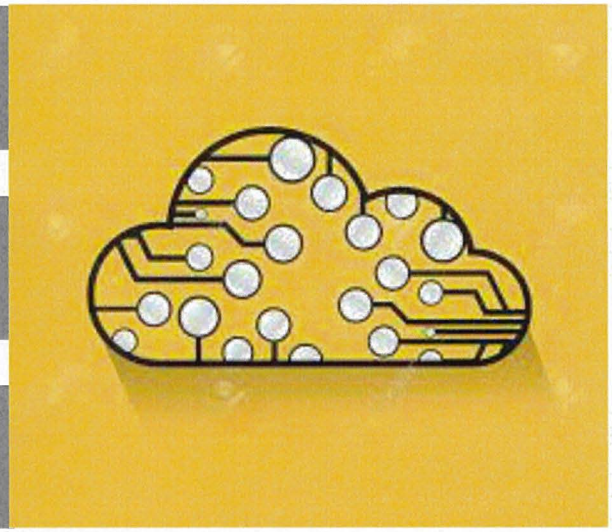
Remind the wear and tear status of the equipment in time, synchronize the maintenance status of the equipment in real time, manage the basic information of the maintenance personnel, and quickly check the work status of the maintenance personnel.

View detailed alarm reports and historical alarms

System Requirements

SELS or Customer Admistrated

- Virtual Private Server (Microsoft Azure, AWS, Google Cloud, etc.)
- 4G Cellular Subscription (Verizon, AT&T, etc.)
- Internet Accessible Computer Terminal for Modifications and Alerts



SELS

SMART ERA LIGHTING SYSTEMS

WARRANTY INFORMATION

TWISTED OAKS POINTE COMMUNITY
SOLAR STREET LIGHTS

ILLUMINATING YOUR WORLD WITH THE POWER OF THE SUN

www.SELSsolar.com

4747 Kester Mill Rd.
Winston-Salem, NC 27103

Smart Era Lighting Systems
4747 Kester Mill Rd, Winston-Salem, NC 27103
p. (704) 495-3535 | f. (336) 997-9790
CustomerService@SELSLED.com

SELS Full Product Warranty

Introduction

Thank you for your recent purchase of SELS solar powered products manufactured by Smart Era Lighting Systems (SELS USA LLC). SELS manufactures to the highest international standards of quality and reliability, and we stand by this product with a full 10-year warranty.

Warranty Coverage

SELS USA LLC warrants the following components according to the corresponding time periods.

Photovoltaic (Solar) Panels – 20 years from date of purchase.

Electrical components including batteries, electronics, power management hardware, lighting fixtures, wiring and connectors – 10 years from date of purchase.

Mounts & Hardware – 10 years from date of purchase.

Within the period of this warranty, SELS USA LLC will repair or replace, free of charge, any component proving defective in material or workmanship. All warranty repairs and service must be performed by an authorized SELS technician. All expenses related to replacing or repairing a defective part under this warranty shall be assumed by SELS USA except for the following exclusions, which shall be assumed by the buyer.

Warranty Exclusions

This warranty does not apply to any costs, repairs, or services for the following:

1. Damage resulting from misuse, abuse, accidents, alterations, or improper installation, Acts of God
2. Repairs carried out by non-authorized installers or repairers, or the cost of correcting such unauthorized repairs.

How to Obtain Services

In the unlikely event of a component failure affecting product performance, the customer should contact SELS customer service department to request an evaluation and warranty claim. SELS will send out an authorized representative to evaluate the defect material and, if necessary, deliver a replacement at no cost to the customer. This process can be initiated by calling SELS Customer Service at (704) 495-3535 or emailing at CustomerService@SELSLED.com. In order to track warranty entitlement, SELS solar product must be purchased from an authorized retailer or distributor, record of which may be obtained through said dealer.

Limitation on Liability

In no event shall SELS USA LLC be liable for consequential damages for breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to the buyer.

SELS

SMART ERA LIGHTING SYSTEMS

EXPERIENCE AND REFERENCES

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www.SELSsolar.com

4747 Kester Mill Rd.
Winston-Salem, NC 27103

SMART ERA LIGHTING SYSTEM EXPERIENCE – www.SELSsolar.com

CITY OF SARASOTA, FL

BENJAMIN FRANKLIN DR.

The Benjamin Franklin Dr Solar Lighting Project was undertaken by the City of Sarasota, Florida, which is renowned for its commitment to preserving the environment and promoting sustainability, while striving to create a world-class community that is attractive to visitors from all over the world.

The project involved the installation of solar lighting along the 1.6-mile stretch of Benjamin Franklin Drive, which runs from St Armand's Circle to Ted Spurling Nature Park. Due to the location's sensitivity as a sea turtle nesting beach, high-end condominiums and hotels, and its placement within the Coastal Construction Control Line, the City faced a significant challenge in finding the best lighting solution.

To address these challenges, the City enlisted the services of external engineering firms, the Florida Fish and Wildlife Conservation (FWC), and its own engineering team to evaluate the project's needs. After careful consideration, SELS was chosen to design and engineer the lighting for this unique project.

The SELS team faced numerous challenges, including the need for the lighting to be environmentally sensitive due to the presence of sea turtles in the nesting area. The team evaluated lighting spectrum and cut-off options to minimize light trespass and promote marine turtle conservation. In addition, the lighting design had to meet the lighting standards of both the FWC and the Department of Transportation (DOT), with their differing requirements for amber color, non-intrusive, low-height luminaires and bright, clear lighting with high uniformity.

Furthermore, the team had to contend with other challenges such as high winds, storm surge during hurricanes, and a high water table during construction. Despite these obstacles, the project was successfully completed, making it the first large-scale solar lighting project to be approved by both the FWC and DOT.

The Benjamin Franklin Dr Solar Lighting Project represents a significant milestone in the use of solar-powered lighting for cities and municipalities. At SELS, we are proud of our ability to meet the challenges posed by this project and position ourselves as leaders in commercial solar-powered solutions.

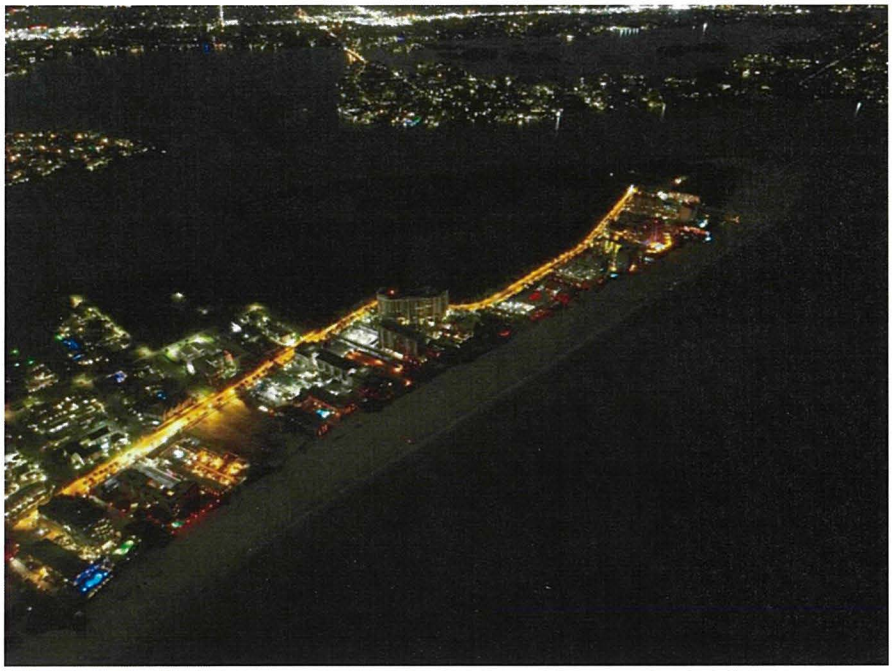
Robert R. Heggan, Jr., P.S.M., P.L.S. Coordinator – Capital Projects / City Surveyor

Phone: (941) 263-6137

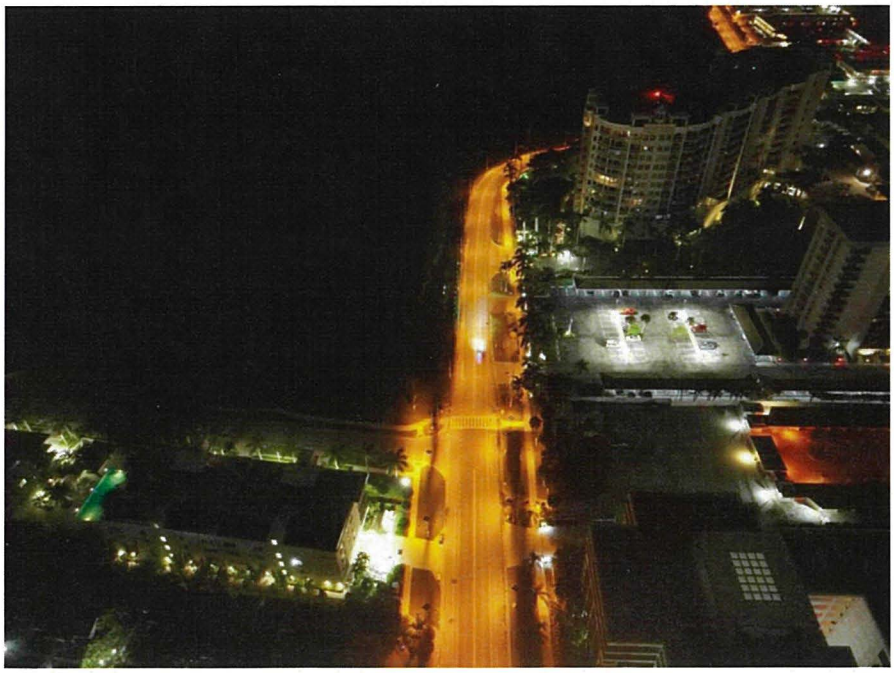
Mobile: (941) 724-9636

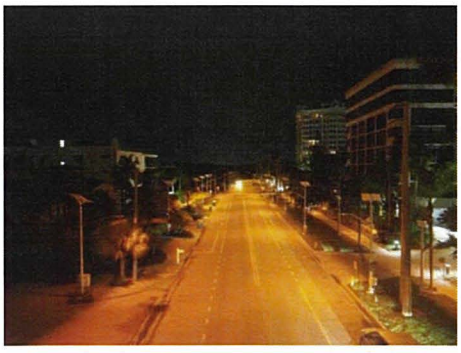
Email: robert.heggan@sarasotafl.gov

1761 12th Street, Sarasota, FL 34236



CITY OF SARASOTA





SELS USA LLC (Smart Era Lighting Systems)

www.SELSsolar.com

4747 Kester Mill Rd, Winston Salem, NC, 27103

Office : (704) 495-3535

info@selsled.com

US CUSTOMS AND BORDER PROTECTION

The Customs and Border Protection, being the primary agency responsible for ensuring the security of the United States borders, had a pressing need for reliable and efficient power and lighting systems to support the activities and operations of their personnel. Given the remote locations of some of their facilities and the challenging terrain in which they operate, the agency sought to procure solar power generators and light towers that could provide a sustainable and cost-effective solution to their power needs.

The specifications provided by the Customs and Border Protection were extensive and highly demanding, reflecting the criticality of their operations and the need for reliable and robust equipment. The agency required systems that could withstand extreme weather conditions, operate silently to avoid detection, high lumen luminaires, and offer long-lasting performance without the need for frequent maintenance.

In this context, SELS, stepped up to the challenge and offered a range of products that met and exceeded the specifications put forward by the Customs and Border Patrol. SELS worked closely with the agency to understand their unique needs and developed a custom-designed model that could offer the best possible performance in the challenging conditions faced by the organization.

The result of this collaboration was a solar power generator and light tower system that not only met but surpassed the expectations of the agency. The system was designed to offer long-lasting performance, withstanding harsh weather conditions and providing a reliable source of power and illumination to support the activities of the Customs and Border Patrol personnel.

In summary, the partnership between the Customs and Border Protection and SELS resulted in the successful procurement of a highly specialized and unique solar power generator and light tower system, tailored to the demanding needs of the organization. The solution provided by SELS demonstrated their commitment to providing sustainable and high performance solar powered solutions that meet the needs of their clients, while also showcasing their expertise and innovation in the field of renewable energy.

Vincent Kraft

Supervisory Mission Support Specialist

U.S. Customs and Border Protection

Office of Field Operations

San Luis, Arizona Port of Entry

Office: 928.627.8854 ext. 7370

Mobile: 520.289.1037

vincent.kraft@cbp.dhs.gov

Mistelle Watkins

Contracting Officer

Border Enforcement Contracting Division

Customs and Border Protection

Dept. Homeland Security

Email: mistelle.watkins@cbp.dhs.gov

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PROVO, UTAH

PROVO RIVER PARKWAY SYSTEM

The Provo River Parkway System is a highly-regarded trail system that continues to expand and enhance its offerings. Its origins lie at Utah Lake State Park, where the Provo River meets the lake, and the Provo River Trail follows the river's meandering path through Provo City and Provo Canyon. The Parkway caters to a variety of outdoor enthusiasts, including walkers, joggers, bicyclists, horseback riders, and rollerbladers, and spans over 15 miles across city and county-operated parks, residential areas, and commercial districts.

Provo City is dedicated to fostering a strong economy, nurturing a healthy community, and preserving the environment. With these goals in mind, the city strives to create a sustainable community that can endure and thrive for future generations.

To advance its sustainability objectives, Provo City partnered with SELS to provide Solar Park Lighting for the expansive trail. SELS was selected due to its reputation and expertise in the field. One of the main advantages of SELS' solar lighting solution is its real-time monitoring and control capabilities, which can be accessed via any web-enabled device.

Currently, SELS has installed its solar lighting solution along 1.9 miles of the trail, with plans to cover all areas that require safety lighting. The versatile STL PRO Solar Lighting model was used for this project, which features an 18ft pole and a dark sky-compliant luminaire. The solar lighting system was placed at an average of 165 ft apart, ensuring uniform illumination of the trail while minimizing any impact on the surrounding wildlife and ecosystems.

SELS is honored to continue its partnership with Provo City and to contribute to the enhancement and preservation of one of the most iconic trails in the United States.

John V. Bunderson

Provo Parks & Recreation

Parks Project Manager

office: (801) 852-6643

email: JBunderson@provo.org

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Smart Era Lighting Systems

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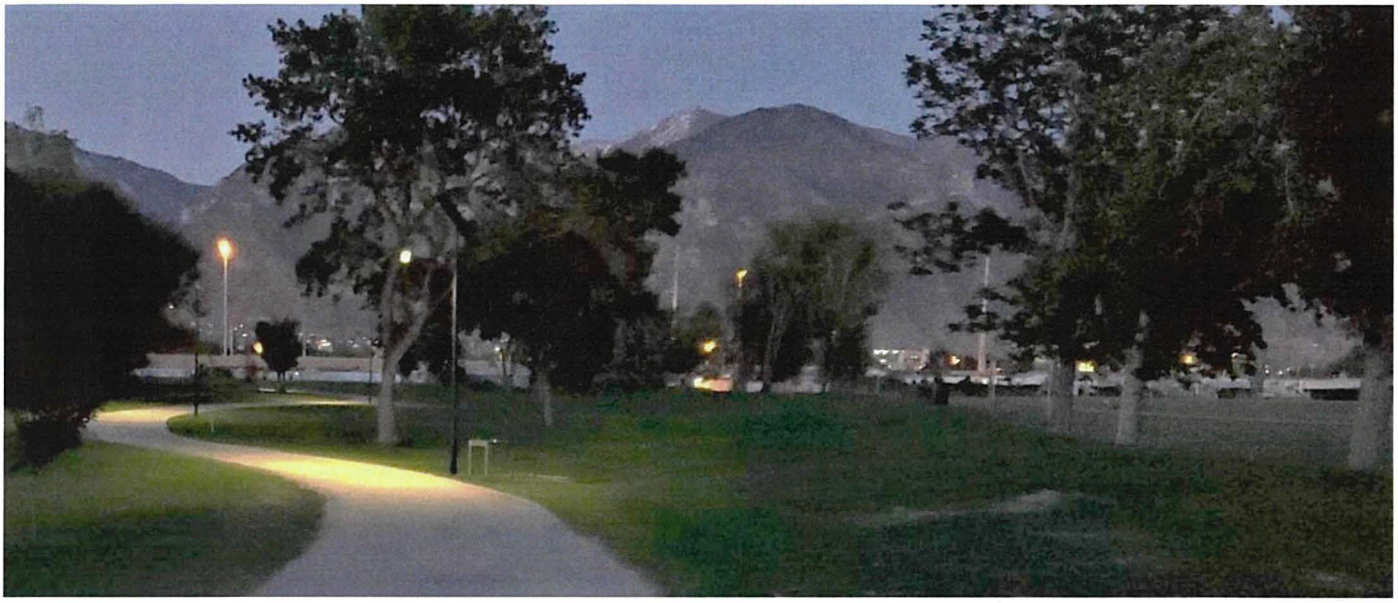

PROVO, UTAH

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info@selsled.com

City of Augusta, SC

RIVERVIEW PARK

Riverview Park is a central recreational complex in North Augusta, South Carolina, which hosts the national amateur basketball recruiting showcase, EYBL Nike Peach Jam, attracting thousands of visitors annually. The City was concerned about the safety of visitors in the park during the evening due to insufficient lighting in the parking lots, roads, and playgrounds.

The Director for Parks, Recreation & Tourism, Rick Meyer, evaluated various options and suggested exploring solar lighting as a potential solution. As a park that is in use throughout the year and receives hundreds of visitors every day, compromise on the use of facilities or the safety of visitors is not an option. The City of North Augusta chose SELS and our Charleston Distributor, Supergreen Solutions, to provide high-quality solar lighting across the vast 149-acre park.

SELS and Supergreen Solutions developed a cost-effective installation plan using the ST-series solar lighting system, which met the lighting requirements without the need for wiring, and eliminated the monthly power bill for outdoor lighting. The project was completed in January 2020, resulting in significant cost savings for the City. The solar lighting system provided the necessary lighting at a fraction of the cost of traditional systems, resulting in substantial ongoing savings.

Rick Meyer

Director, Parks, Recreation, & Tourism

North Augusta Parks, Recreation & Tourism

PO Box 6400

North Augusta, SC 29861-6400

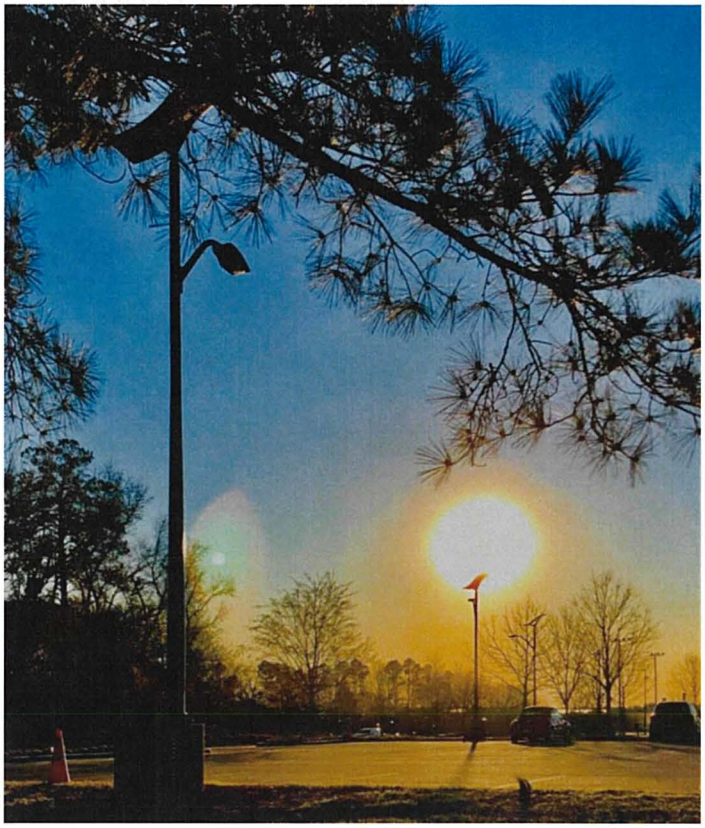
Office: 803.441.4301

Fax: 803.441.4319

rmeyer@northaugusta.net

www.northaugusta.net

North Augusta
South Carolina's Riverfront



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info@selsled.com

LYNWOOD, CA

RICARDO LINEAR PARK

The Ricardo Lara Linear Park in Lynwood, California serves as an exemplary model of repurposing underutilized land to meet the needs and aspirations of a historically marginalized community. The park was created to address the negative impacts of a massive freeway corridor that has burdened the community for decades, with the aim of restoring a sense of community among its residents.

Today, Ricardo Lara Linear Park stands as a vibrant community asset, featuring flourishing community gardens, playgrounds bustling with children, and aesthetically pleasing solar lighting that provides safety during evening hours. The park has successfully transformed the infrastructure that once divided and isolated the community into a unifying and valuable amenity.

The park's excellence was recognized in 2018 when it won the Urban Open Space Award, the Community Impact Award from the Urban Land Institute, and the Southern California Honor Award from the American Society of Landscape Architects. Beyond its recreational and aesthetic benefits, the park also plays a critical environmental role by filtering stormwater along an I-105 freeway embankment.

Given the park's environmental responsibility, it was imperative that any lighting solutions be equally sustainable. After experiencing poor-quality solar lighting in the past, the City of Lynwood sought a trustworthy partner in SELS to provide reliable and sustainable lighting for this mile-long park. SELS successfully demonstrated its solar lighting technology, rebuilding trust in solar lighting as a viable option for future ambitious projects.

SELS' SP-Series Solar Park lamps were installed in the park, providing safety lighting to an area that had previously been five acres of fallow land along the freeway corridor. This innovative lighting solution is not only functional but also serves as a high-value community amenity that offers much-needed environmental and recreational benefits.

Jennifer Hernandez

City of Lynwood | Public Works Department

11330 Bullis Road

Lynwood, CA 90262

T: (310)603-0220, ext. 827

Email: jhernandez@lynwood.ca.us

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Smart Era Lighting Systems

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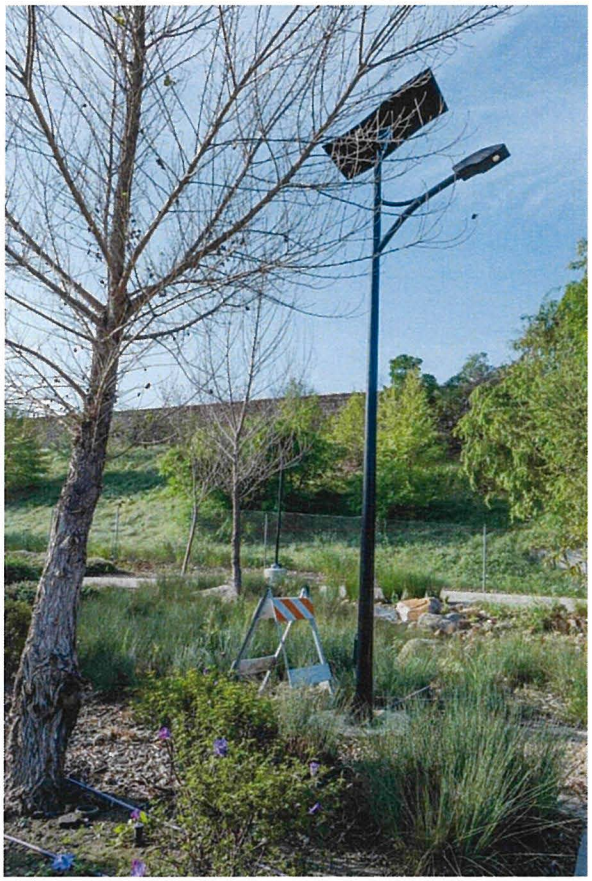
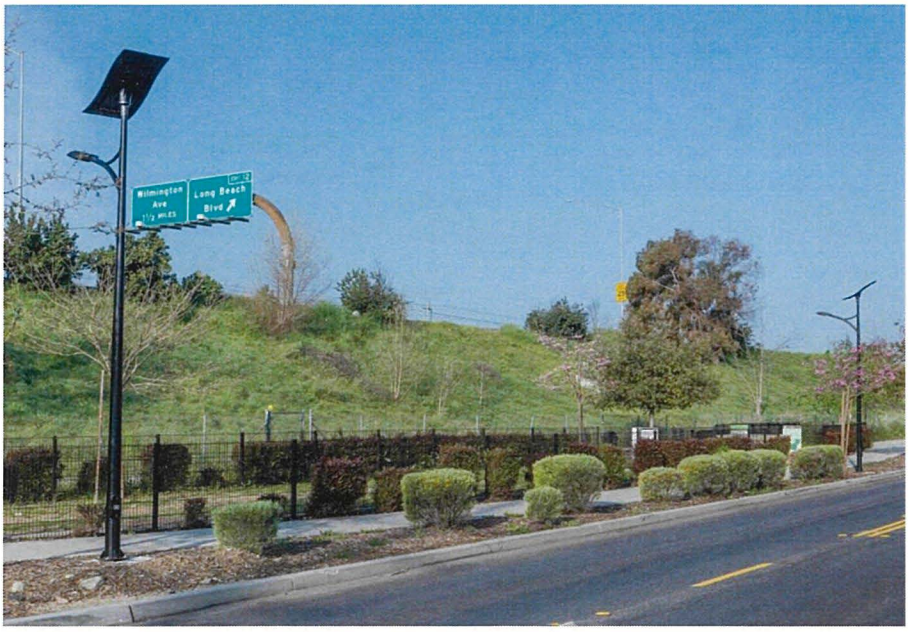


City of LYNWOOD California



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info@selsled.com

CLEMSON , SC

CLEMSON UNIVERSITY

Clemson University engaged in a project to evaluate the performance and durability of solar lighting systems at two of its facilities. The university's engineering department led this initiative to educate students about the potential of solar power systems and their ability to perform comparably to grid-connected lighting systems. The university considered several options and ultimately selected SELS for its advanced technology, aesthetic appeal, intellectual property, and communication system that provided real-time data for analysis by students.

For SELS, this project was noteworthy not only because it involved educating customers but also because it offered an opportunity to demonstrate the viability of sustainable solutions in terms of cost-effectiveness, design, and technology while matching the performance of grid-connected alternatives. SELS provided the necessary materials and expertise to design and implement the system, which was installed by the university's facilities team. Since its installation over four years ago, the system has operated without any issues or outages. The success of this project was documented in November 2018.

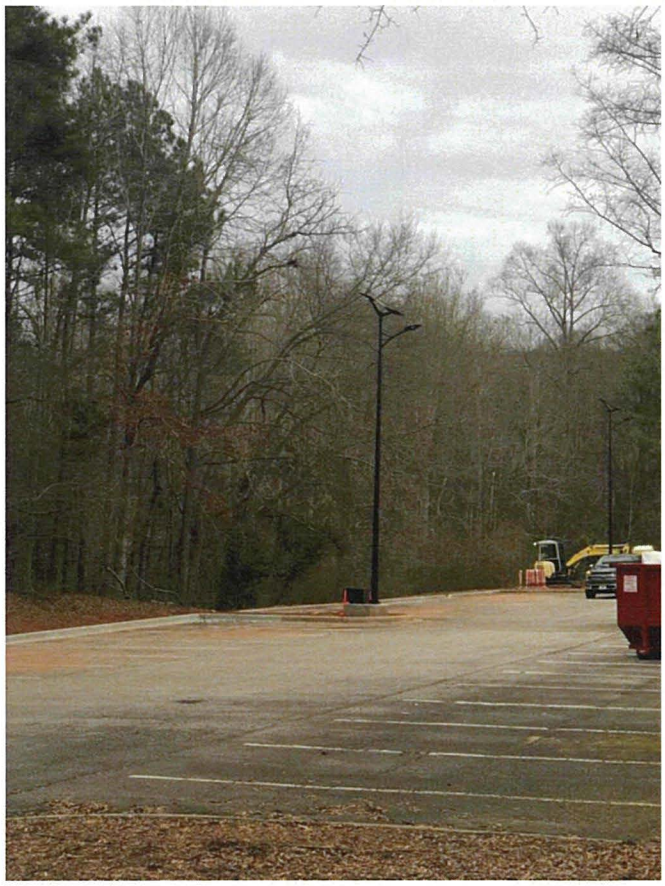
SNOWIL LOPES | CLEMSON UNIVERSITY

Energy Engineer and System Analyst

University Facilities Utility Services

Email: snowil@clemson.edu

CLEMSON UNIVERSITY



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4747 Kester Mill Rd, Winston Salem, NC, 27103

Office : (704) 495-3535

info@selsted.com

MYRTLE BEACH, SC

MYRTLE BEACH CONVENTION CENTER

The City of Myrtle Beach in South Carolina is renowned for its natural beauty, outdoor activities, and hosting millions of visitors annually for both leisure and business. The Myrtle Beach Convention Center is the largest of its kind in the southeast, making it a crucial hub for various events and gatherings.

In 2018, the Convention Center embarked on a modernization project that aimed to upgrade the outdoor lighting, landscaping, and amenities. While the landscaping and hardscaping design went smoothly, the cost of running wires to the new light locations proved to be a significant challenge. To find a cost-effective solution, the project team evaluated multiple options, ultimately deciding to go with solar lighting.

After extensive research, the Convention Center selected SELS as their solar lighting partner. One of the main reasons for choosing SELS was their custom-engineered solutions that cater to specific location requirements. SELS presented a solution that was significantly below the total cost of running wiring and did not involve landscape destruction or remediation.

SELS installed ST-series area lights, commercial-quality landscape lighting, and a charging station in less than a week with minimal disruption to operations, as per the project timeline in June 2018. The installation provided the Convention Center with an eco-friendly and cost-effective lighting solution that enhances the aesthetic appeal of the facility while saving on energy costs.

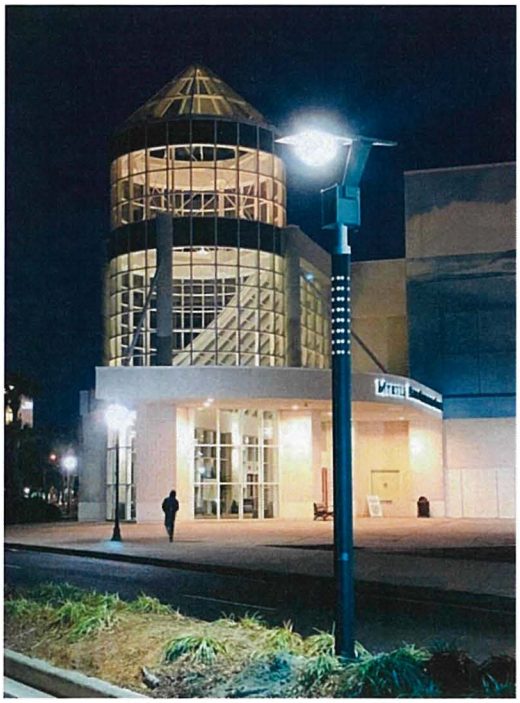
Paul Edwards – General Manager Myrtle Beach Convention Center

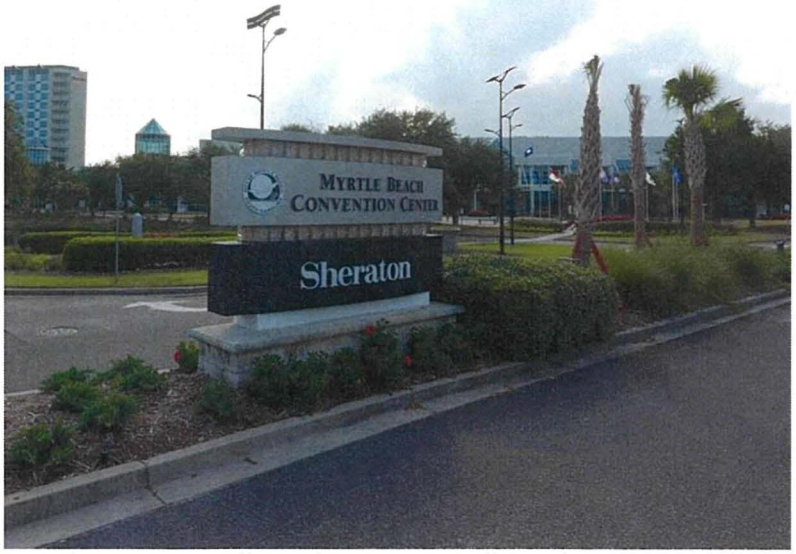
2101 North Oak Street, Myrtle Beach, SC 29577

T: (843) 385-1513

Email: PEdwards@cityofmyrtlebeach.com

CITY OF MYRTLE BEACH
SOUTH CAROLINA





SELS

SMART ERA LIGHTING SYSTEMS

OUR CLIENTS

SELS is proud to work with a diverse group of municipalities, universities, and corporations. Listed below are our most successful projects.

Our goal is to combine excellent engineering with the latest design aesthetics to bring the highest quality solar products to satisfy every client's specific needs.

City of Myrtle Beach, South Carolina

County of Orange, California

Provo, Utah

City of Huntington Park, California

Salt Lake City

City of Las Vegas, Nevada

Carolopolis, Condita A.D. 1670

North Augusta, South Carolina's Riverfront

City of Lynwood, California

Capstone Realty Consultants, Inc.

Ameresco

Lallam Trans, Since 1980

Seal of the Town, Suffield Connecticut, Settled in 1670

City of Coolidge, Arizona

Hamilton County Parks & Recreation Dept.

Clemson University

City of Casa Grande

Moreno Valley, Where Dreams Soar

Tennessee State Parks

metro, Mountain Metropolitan Transit

Housing Authority of the City of Livermore, LHA

City of Charlotte

Apache Junction, Arizona

City of Laurel, Maryland

Metro Transit, Serving the Minneapolis / St. Paul Area

Davidson County

Levi E. Coe Library

CCBC, The Community College of Baltimore County

You Belong Here, Davie County, North Carolina

Lux et Veritas, Yale University

Richmond Memorial Library

Dauphin

Waterford public library, Discovery begins here.

Mobile, Alabama

Tufts University

City of Ames

UNC Pembroke

Rochester Hills, Michigan

City of Los Angeles, Founded 1781

City of Sarasota

Galax-Carroll Regional Library, Grow. Connect. Read. Learn.

North Liberty Library

Odem Texas, Est. 1909

Berlin - Peck Memorial Library

Rockingham County NC

Van Horn Public Library, Your window to a world of information & ideas

County of Humboldt, The Home of the Redwoods

DIGITAL CATALOG:

SELS

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OUR FAMILY OF PRODUCTS

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SOLAR STREET LIGHTS

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Winston-Salem, NC 27103

Family of Products

Solar Park and Pathway

SP9555 SP9556 SP9557

Solar Street Lighting

ST-Series

Fully Integrated Lighting

STL-Pro

FI-Pro

Solar Charging Stations

SB1020

SB1060

SB1010

SB1080

Solar Transit

TPS

SBS

SSL

Solar Bollards

SG9030

SG9050

SG9040

Pucks and Pavers

LSP 44

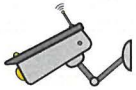
LSP5

LSP 84

LSP 88

Mobile Power Unit

Features Provided:



Security Surveillance

Utilize our patent pending camera design system to keep your property safe.

AC Power

120 volt output supports NEMA 5-15 ground and ungrounded plugs for powering large electric devices.

LED Lighting

Lighting Color Options: 2200K - 5000K
Lumen Options: 150 Lumens per Watt

Fully Programmable

Dimming and lighting schedule is customizable to customer needs. Monitor power usage on the web.

USB Charging

Plug in a USB cord to charge or power any device.

Wifi

Extend your current wifi network or create a new one utilizing LTE connectivity.

Wireless Charging

Fast-charge any phone, tablet, headphones or other devices that are wireless charging compatible.

Bluetooth Speaker

Connect your device and play music to elevate the ambiance.

SELS

SMART ERA LIGHTING SYSTEMS

INSURANCE

TWISTED OAKS POINTE COMMUNITY
SOLAR STREET LIGHTS

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ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
9/7/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
World Insurance Associates, LLC
656 Shrewsbury Ave
Suite 200
Tinton Falls NJ 07701

License#: BR-961573

CONTACT NAME:
PHONE (A/C, No, Ext): 732-380-0900
FAX (A/C, No):
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Century Surety Company	36951
INSURER B : Clear Spring Property and Casualty Company	15563
INSURER C : LLoyds of London	15792
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
SELS USA LLC
4747 Kester Mill Rd.,
Winston Salem NC 27103

SELSUS0001

COVERAGES **CERTIFICATE NUMBER:** 2126582707 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y		CCP- 1038071	2/22/2023	2/22/2024	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$ 1,000,000
	OTHER:						DED	$ 500
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N	N / A		CS-WK-000012487-0	8/30/2022	8/30/2023	X PER STATUTE OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
C	PROFESSIONAL LIABILITY			ANE425827121	8/30/2022	8/30/2023	LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
LOCATION ADDRSS: 4747 KESTERMILL ROAD, WINSTON SALEM, NC 27103
Said insurance shall name NRPA, The Convention Center Authority of the Metropolitan Government of Nashville and Davidson County, its officials, directors, officers, agents and employees (collectively, its "Representatives") are included as Additional Insured with respects to General Liability and Automobile Liability coverages.

CERTIFICATE HOLDER

SELS USA LLC
4747 Kester Mill Rd,
Winston Salem, NC, 27103

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Wald Insurance Associates LLC

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 03/21/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER BIBERK P.O. Box 113247 Stamford, CT 06911	CONTACT NAME: PHONE (A/C, No, Ext): 844-472-0967 FAX (A/C, No): 203-654-3613 E-MAIL ADDRESS: customerservice@biBERK.com
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A : Berkshire Hathaway Direct Insurance Company — 10391
INSURED Sels USA LLC Smart Era Lighting Systems 4747 Kester Mill Rd Winston-Salem, NC 27103	INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 0
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 0
							MED EXP (Any one person)	$ 0
							PERSONAL & ADV INJURY	$ 0
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 0
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$ 0
	☐ OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: Y If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		N9WC899080	02/25/2023	02/25/2024	X PER STATUTE ☐ OTH-ER	
							E.L. EACH ACCIDENT	$2,000,000
							E.L. DISEASE - EA EMPLOYEE	$2,000,000
							E.L. DISEASE - POLICY LIMIT	$2,000,000
	Professional Liability (Errors & Omissions): Claims-Made						Per Occurrence/ Aggregate	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Exclusions:
Rafael Badilla;
Additional Named Insured:Smart Era Lighting Systems

CERTIFICATE HOLDER

Sels USA LLC
4747 Kester Mill Rd
Winston-Salem, NC 27103-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

SELS

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FINANCIALS

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4747 Kester Mill Rd.
Winston-Salem, NC 27103

SELS USA LLC FINANCIAL

STATEMENTS December 31, 2022

Brown Jenkins & Oneyear, P.A.

Certified Public Accountants

Brown Jenkins & Oneyear, P.A.
Certified Public Accountants
326 South Main Street
Winston-Salem, NC 27101

To the Shareholder(s)
SELS USA LLC
4747 Kester Mill Rd
Winston-Salem, NC 27103

Management is responsible for the accompanying financial statements of SELS USA LLC (an S Corporation), which comprise the statement of assets, liabilities, and equity - income tax basis as of December 31, 2022, and the related statements of revenue and expenses - income tax basis for the twelve months and twelve months then ended in accordance with the income tax basis of accounting, and for determining that the income tax basis of accounting is an acceptable financial reporting framework. We have performed a compilation engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. We did not audit or review the financial statements nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by management. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on these financial statements.

The financial statements are prepared in accordance with the income tax basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America.

Management has elected to omit substantially all of the disclosures ordinarily included in financial statements prepared in accordance with the income tax basis of accounting. If the omitted disclosures were included in the financial statements, they might influence the user's conclusions about the Company's assets, liabilities, equity, revenues and expenses. Accordingly, these financial statements are not designed for those who are not informed about such matters.

Brown Jenkins & Oneyear, P.A.

February 10, 2023

SELS USA LLC

Profit and Loss

January 1, 2022 - December 31, 2022

	TOTAL
Income	
Refunds-Allowances	-118.66
Sales	1,957,602.95
Sales of Product Income	1,316,293.11
Shipping Income	-100.00
Total Income	**$3,273,677.40**
Cost of Goods Sold	
Cost of Goods Sold	1,170,479.94
Customs Clearance	38,486.94
Duties and Taxes	20,685.15
Inventory Shrinkage	-1,200.00
Job Supplies	4,853.64
Merchant Fees	47.58
Shopify Fees	972.66
Total Merchant Fees	**1,020.24**
Shipping, Freight, & Deliver - COS	151,190.79
Total Cost of Goods Sold	**$1,385,516.70**
GROSS PROFIT	**$1,888,160.70**
Expenses	
Advertising & Marketing	26,355.50
Ask My Accountant	-28,497.17
Bank Charges & Fees	2,658.15
Car & Truck	19,127.73
Charitable Contributions	300.00
Commissions & Fees	45.00
Computer & Internet Expenses	8,508.55
Contractors	230,443.25
Dues & Subscriptions	555.68
Equipment Rental	4,366.70
Insurance	12,867.20
Interest Paid	6,113.07
Legal & Professional Services	56,435.97
Meals & Entertainment	19,755.95
Melio Credit card fee	105.00
Office Supplies & Software	26,578.78
Other Business Expenses	54.80
Patent	2,251.34
Payroll Expenses	
Taxes	23,184.45
Wages	297,528.35
Total Payroll Expenses	**320,712.80**

SELS USA LLC

Profit and Loss

January 1, 2022 - December 31, 2022

	TOTAL
QuickBooks Payments Fees	2,828.65
R&D	33,964.16
Reimbursable Expenses	10,103.80
Rent & Lease	38,113.00
Repairs & Maintenance	9,211.83
Small Tools and Equipment	2,489.44
Taxes & Licenses	14,014.00
Telephone	13,557.81
Trade Show Expense	12,378.80
Training and Education	2,354.22
Travel	30,300.23
Travel Meals	2,896.34
Utilities	7,857.57
Total Expenses	**$888,808.15**
NET OPERATING INCOME	**$999,352.55**
Other Income	
Cash Back Reward	318.04
Insurance Proceeds	14,228.98
Interest Earned	23.32
Total Other Income	**$14,570.34**
Other Expenses	
Other Miscellaneous Expense	105.00
Penalties	3,222.69
Total Other Expenses	**$3,327.69**
NET OTHER INCOME	**$11,242.65**
NET INCOME	**$1,010,595.20**

SELS USA LLC

Balance Sheet

As of December 31, 2022

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
Checking 8815 - 5	34,024.73
Checking Truliant (3926)	244,175.00
First Horizon Checking - 6716	3,167.27
First Horizon Savings - 6695	1,479.12
Paypal	103.47
Primary Business Checking (2997)	-965.44
SAVING ACCOUNT SUNTRUST	49,241.83
Savings Truliant (3918)	226,430.89
Truist Checking (9402)	-50.20
Total Bank Accounts	**$557,606.67**
Accounts Receivable	
Accounts Receivable (A/R)	278,288.72
Total Accounts Receivable	**$278,288.72**
Other Current Assets	
Escrow Money	50,000.00
Inventory Asset	1,404,325.00
Prepaid Expenses	20,467.00
Surety & Construction Bonds	0.00
Uncategorized Asset	-6,569.11
Undeposited Funds	0.00
Total Other Current Assets	**$1,468,222.89**
Total Current Assets	**$2,304,118.28**
Fixed Assets	
Accumulated Depreciation	-17,576.88
Computer Equipment	5,239.22
Furniture & Fixtures	5,818.21
Leasehold Improvements	3,185.65
Machinery & Equipment	2,868.54
Vehicles	22,283.47
Total Fixed Assets	**$21,818.21**
Other Assets	
506 Investments Loan Receivable	0.00
Due to/From GRUPO ABA	10,030.00
Fraud Charges	0.00
Loan to CR Housing Developments	5,000.00

SELS USA LLC

Balance Sheet

As of December 31, 2022

	TOTAL
Loans to Simplified	12,000.00
Security Deposits Paid	0.00
Total Other Assets	**$27,030.00**
TOTAL ASSETS	**$2,352,966.49**
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
Accounts Payable (A/P)	239,085.35
Total Accounts Payable	**$239,085.35**
Credit Cards	
Blue Business Cash(TM) (1002) - 3	18,439.47
CHASE CREDIT CARD (2896)	37,190.32
Total Credit Cards	**$55,629.79**
Other Current Liabilities	
506 Investments Loan Payable	10,340.22
California Department of Tax and Fee Administration Payable	15,675.94
Direct Deposit Payable	0.00
Ecoterra Loan Payable	299,598.56
Florida Department of Revenue Payable	0.00
Illinois Department of Revenue Payable	0.00
Loan from Shareholder	0.00
Missouri Department of Revenue Payable	0.00
North Carolina Department of Revenue Payable	20,567.69
Ohio Department of Taxation Payable	0.00
Out Of Scope Agency Payable	0.00
Payroll Liabilities	
Federal Taxes (941/943/944)	1,840.05
Federal Taxes (941/944)	0.00
Federal Unemployment (940)	689.49
NC Income Tax	17,894.00
NC Unemployment Tax	2,895.48
Total Payroll Liabilities	**23,319.02**
Sales Tax Payable	-93.75
South Carolina Department of Revenue Payable	0.00
Utah State Tax Commission Payable	0.00
Total Other Current Liabilities	**$369,407.68**
Total Current Liabilities	**$664,122.82**

SELS USA LLC

Balance Sheet

As of December 31, 2022

	TOTAL
Long-Term Liabilities	
Note Payable - Colorado	11,301.78
Note Payable - F150	-5,392.10
SBA LOAN	142,707.00
Total Long-Term Liabilities	**$148,616.68**
Total Liabilities	**$812,739.50**
Equity	
Opening Balance Equity	-16,901.67
Paid in Capital	194,525.47
Retained Earnings	1,258,724.81
S Distributions	-11,850.71
Net Income	115,729.09
Total Equity	**$1,540,226.99**
TOTAL LIABILITIES AND EQUITY	**$2,352,966.49**

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4747 Kester Mill Rd.
Winston-Salem, NC 27103

State of Florida
Department of State

I certify from the records of this office that SELS USA LLC is a limited liability company organized under the laws of the State of Florida, filed on February 7, 2019, effective February 5, 2019.

The document number of this limited liability company is L19000039084.

I further certify that said limited liability company has paid all fees due this office through December 31, 2023, that its most recent annual report was filed on March 2, 2023, and that its status is active.

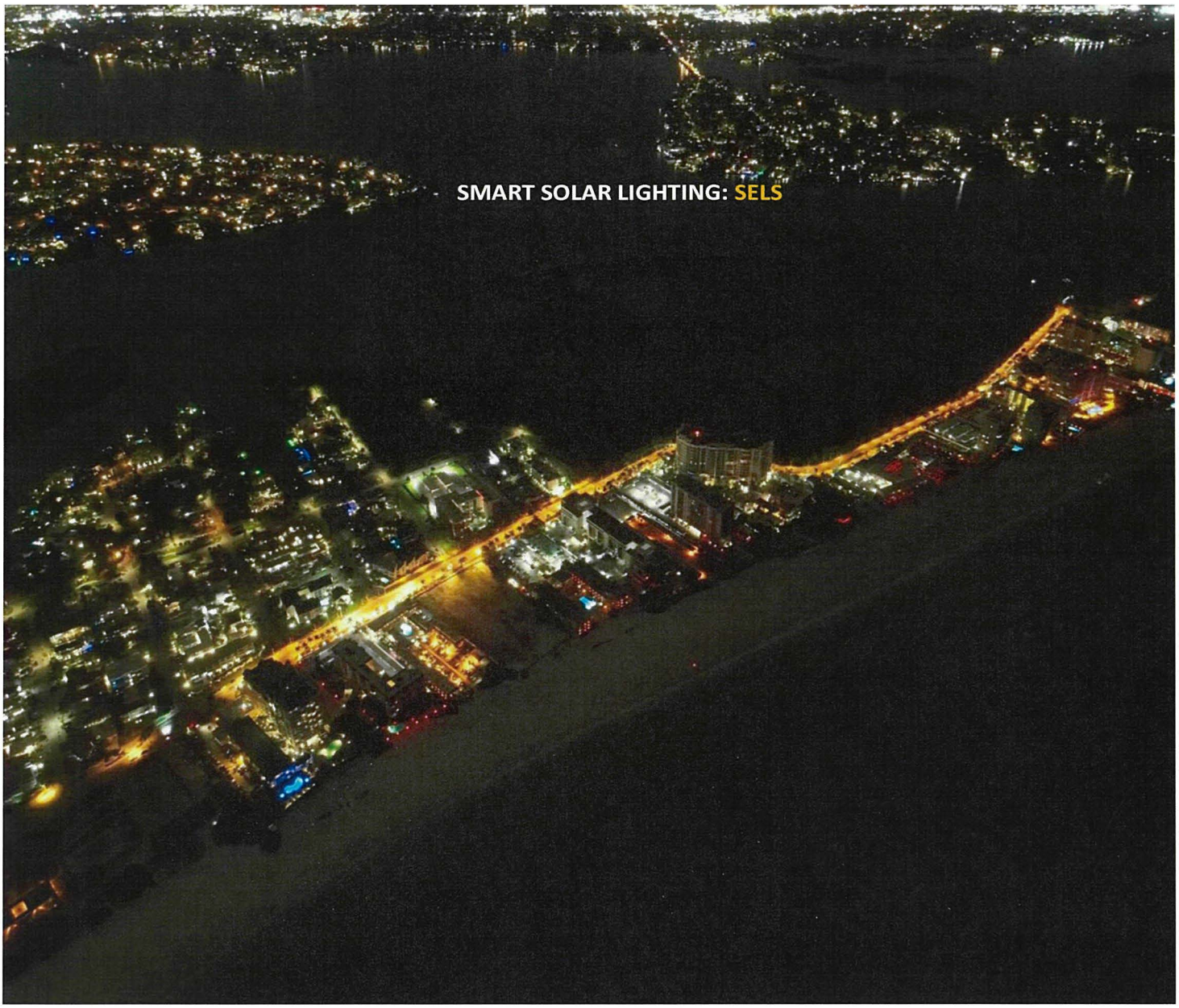
Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourteenth day of March, 2023

Secretary of State

Tracking Number: 3591620771CU

To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



SELS

SMART ERA LIGHTING SYSTEMS

4747 Kester Mill Rd,

Winston-Salem, NC 27103

704-495-3535

E- MAIL

INFO@SELSSOLAR.COM

www.SELSsolar.com

TWISTED OAKS POINTE

COMMUNITY DEVELOPMENT DISTRICT

UNAUDITED FINANCIAL STATEMENTS

TWISTED OAKS POINTE
COMMUNITY DEVELOPMENT DISTRICT
FINANCIAL STATEMENTS
UNAUDITED
MAY 31, 2023

TWISTED OAKS POINTE
COMMUNITY DEVELOPMENT DISTRICT
BALANCE SHEET
GOVERNMENTAL FUNDS
MAY 31, 2023

	General Fund	Debt Service Fund	Capital Projects Fund	Total Governmental Funds
ASSETS				
Cash	$ 6,358	$ -	$ -	$ 6,358
Investments				
Reserve	-	411,991	-	411,991
Capitalized interest	-	148,186	-	148,186
Construction	-	-	5,136,237	5,136,237
Cost of issuance	-	196,500	-	196,500
Due from Landowner	18,757	187	271	19,215
Total assets	$ 25,115	$ 756,864	$5,136,508	$ 5,918,487
LIABILITIES AND FUND BALANCES				
Liabilities:				
Accounts payable	$ 18,688	$ 187	$ 271	$ 19,146
Due to Landowner	-	3,757	428	4,185
Accrued wages payable	200	-	-	200
Tax payable	15	-		15
Landowner advance	6,000	-	-	6,000
Total liabilities	24,903	3,944	699	29,546
DEFERRED INFLOWS OF RESOURCES				
Deferred receipts	18,757	-	-	18,757
Total deferred inflows of resources	18,757	-	-	18,757
Fund balances:				
Restricted for:				
Debt service	-	752,920	-	752,920
Capital projects	-	-	5,135,809	5,135,809
Unassigned	(18,545)	-	-	(18,545)
Total fund balances	(18,545)	752,920	5,135,809	5,870,184
Total liabilities, deferred inflows of resources and fund balances	$ 25,115	$ 756,864	$5,136,508	$ 5,918,487

TWISTED OAKS POINTE
COMMUNITY DEVELOPMENT DISTRICT
GENERAL FUND
STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES
FOR THE PERIOD ENDED MAY 31, 2023

	Current Month	Year to Date	Budget	% of Budget
REVENUES				
Landowner contribution	$ 4,286	$ 41,634	$ 102,290	41%
Total revenues	4,286	41,634	102,290	41%
EXPENDITURES				
Professional & administrative				
Supervisors	-	215	-	N/A
Management/accounting/recording	4,000	32,000	48,000	67%
Legal	1,252	6,740	25,000	27%
Engineering	-	-	2,000	0%
Audit	-	-	5,500	0%
Arbitrage rebate calculation*	-	-	500	0%
Dissemination agent**	-	-	1,000	0%
Trustee***	-	-	5,500	0%
Telephone	16	134	200	67%
Postage	18	47	500	9%
Printing & binding	42	333	500	67%
Legal advertising	-	-	6,500	0%
Annual special district fee	-	-	175	0%
Insurance	-	5,000	5,500	91%
Contingencies/bank charges	4	393	500	79%
Website				
Hosting & maintenance	-	1,680	705	238%
ADA compliance	-	210	210	100%
Total professional & administrative	5,332	46,752	102,290	46%
Excess/(deficiency) of revenues over/(under) expenditures	(1,046)	(5,118)	-	
Fund balances - beginning	(17,499)	(13,427)	-	
Fund balances - ending	$ (18,545)	$ (18,545)	$ -	

TWISTED OAKS POINTE
COMMUNITY DEVELOPMENT DISTRICT
STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES
DEBT SERVICE FUND SERIES 2023
FOR THE PERIOD ENDED MAY 31, 2023

	Current Month	Year To Date
REVENUES	$ -	$ -
Interest	-	-
Total revenues	-	-
EXPENDITURES		
Debt service		
Cost of issuance	-	2,982
Total expenditures	-	2,982
Excess/(deficiency) of revenues over/(under) expenditures	-	(2,982)
OTHER FINANCING SOURCES/(USES)		
Bond proceeds	883,763	883,763
Original issue discount	(6,686)	(6,686)
Underwriter's discount	(120,400)	(120,400)
Total other financing sources	756,677	756,677
Net change in fund balances	756,677	753,695
Fund balances - beginning	(3,757)	(775)
Fund balances - ending	$ 752,920	$ 752,920

TWISTED OAKS POINTE
COMMUNITY DEVELOPMENT DISTRICT
STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES
CAPITAL PROJECTS FUND SERIES 2023
FOR THE PERIOD ENDED MAY 31, 2023

	Current Month	Year To Date
REVENUES	$ -	$ -
Total revenues	-	-
EXPENDITURES		
Capital outlay	224	428
Total expenditures	224	428
Excess/(deficiency) of revenues over/(under) expenditures	(224)	(428)
OTHER FINANCING SOURCES/(USES)		
Bond proceeds	5,136,237	5,136,237
Total other financing sources/(uses)	5,136,237	5,136,237
Net change in fund balances	5,136,013	5,135,809
Fund balances - beginning	(204)	-
Fund balances - ending	$ 5,135,809	$ 5,135,809

TWISTED OAKS POINTE

COMMUNITY DEVELOPMENT DISTRICT

MINUTES

DRAFT

MINUTES OF MEETING
TWISTED OAKS POINTE COMMUNITY DEVELOPMENT DISTRICT

The Board of Supervisors of the Twisted Oaks Pointe Community Development District held a Regular Meeting on May 8, 2023, at the later of 1:30 p.m., or the conclusion of the Beaumont CDD Meeting, at 7764 Penrose Place, Wildwood, Florida 34785.

Present at the meeting were:

Candice Smith	Chair
John Curtis	Vice Chair
Troy Simpson	Assistant Secretary

Also present were:

Ernesto Torres	District Manager
Jere Earlywine (via telephone)	District Counsel
Matt Morris (via telephone)	District Engineer

FIRST ORDER OF BUSINESS **Call to Order/Roll Call**

Mr. Torres called the meeting to order at 2:49 p.m. Supervisors Smith, Curtis and Simpson were present. Supervisors Meath and Lybbert were not present.

SECOND ORDER OF BUSINESS **Public Comments**

There were no public comments.

THIRD ORDER OF BUSINESS **Consideration of Resolution 2023-07, Approving a Proposed Budget for Fiscal Year 2023/2024 and Setting a Public Hearing Thereon Pursuant to Florida Law; Addressing Transmittal, Posting and Publication Requirements; Addressing Severability; and Providing for an Effective Date**

Discussion ensued regarding the public hearing date and time, Board transitions and a Fiscal Year 2024 meeting location once residential and commercial projects are completed.

Mr. Torres presented Resolution 2023-07. He reviewed the proposed Fiscal Year 2024 budget, compared to the Fiscal Year 2023 budget, and explained the reasons for any changes. This is a Landowner-funded budget.

Discussion ensued regarding adding approximately $230,000 for line item "Field operations" expenses.

The following change was made to the Fiscal Year 2024 budget:

Page 1, "Field operations": Budget approximately $230,000 spread across the line items.

Staff will coordinate with Mr. Curtis to fine-tune the budget line items for services required in Fiscal Year 2024.

On MOTION by Mr. Curtis and seconded by Mr. Simpson, with all in favor, Resolution 2023-07, Approving a Proposed Budget for Fiscal Year 2023/2024, as amended, and Setting a Public Hearing Thereon Pursuant to Florida Law for July 10, 2023 at 11:30 a.m., at 7764 Penrose Place, Wildwood, Florida 34785; Addressing Transmittal, Posting and Publication Requirements; Addressing Severability; and Providing for an Effective Date, was adopted.

FOURTH ORDER OF BUSINESS **Acceptance of Unaudited Financial Statements as of March 31, 2023**

Mr. Torres presented the Unaudited Financial Statements as of March 31, 2023.

On MOTION by Mr. Curtis and seconded by Mr. Simpson, with all in favor, the Unaudited Financial Statements as of March 31, 2023, were accepted.

FIFTH ORDER OF BUSINESS **Approval of April 10, 2023 Regular Meeting Minutes**

Mr. Torres presented the April 10, 2023 Regular Meeting Minutes.

On MOTION by Mr. Curtis and seconded by Mr. Simpson, with all in favor, the April 10, 2023 Regular Meeting Minutes, as presented, were approved.

SIXTH ORDER OF BUSINESS **Staff Reports**

A. District Counsel: Kutak Rock LLP

Regarding the time period for the Boundary Amendment, Mr. Earlywine believes the petition was submitted and it will likely take three months to complete the process; the City of Wildwood will review it and then set it for a first and second reading. Mr. Curtis noted that there is a closing on May 26, 2023 on a part that is being annexed into the boundaries and asked if a new authorization will be necessary. Mr. Earlywine stated if it is already submitted, it is not a big deal but a new authorization will be necessary.

Discussion ensued regarding the anticipated May closing, Boundary Amendment timing, start of construction, when bond funds are needed, status of the construction permits, etc.

Mr. Earlywine will confer with Ms. Buchanan about the boundary amendment and expediting the bond funds.

Mr. Curtis anticipated that the final plat for Phase 1 will be recorded in late-July or early-August and the first closing will be in October.

B. District Engineer (Interim): Morris Engineering and Consulting, LLC

There was nothing further to report.

C. District Manager: Wrathell, Hunt and Associates, LLC

- **___ Registered Voters in District as of April 15, 2023**
- **NEXT MEETING DATE: June 12, 2023 at the later of 1:30 p.m., or conclusion of Beaumont CDD Meeting**
  - **QUORUM CHECK**

The next meeting will be June 12, 2023, unless cancelled.

SEVENTH ORDER OF BUSINESS Board Members' Comments/Requests

There were no Board Member comments or requests.

EIGHTH ORDER OF BUSINESS Public Comments

No members of the public spoke.

NINTH ORDER OF BUSINESS Adjournment

On MOTION by Mr. Curtis and seconded by Mr. Simpson, with all in favor, the meeting adjourned at 3:08 p.m.

114
115
116
117
118 _____ _____
119 Secretary/Assistant Secretary Chair/Vice Chair

TWISTED OAKS POINTE

COMMUNITY DEVELOPMENT DISTRICT

STAFF REPORTS

William "Bill" Keen, Supervisor of Elections

Sumter County, Florida

● elections.sumtercountyfl.gov ● electioninfo@sumtercountyfl.gov ● (352) 569-1540 ● Fax (352) 569-1541

May 4, 2023

To: Daphne Gillyard:

As of April 15, 2023 there were 0 registered voters in the Twisted Oaks Pointe CDD.

If you have any questions, please feel free to call our office at (352) 569-1540 or email us at electioninfo@sumtercountyfl.gov

Sincerely,

William "Bill" Keen
Supervisor of Elections
Sumter County

MAIN OFFICE
Villages Sumter County Service Center
7375 Powell Rd., Suite 125
Wildwood, FL 34785

BUSHNELL ANNEX OFFICE
316 E. Anderson Ave.
Bushnell, FL 33513

TWISTED OAKS POINTE COMMUNITY DEVELOPMENT DISTRICT

BOARD OF SUPERVISORS FISCAL YEAR 2022/2023 MEETING SCHEDULE

LOCATION

7764 Penrose Place, Wildwood, Florida, 34785

DATE	POTENTIAL DISCUSSION/FOCUS	TIME
October 10, 2022 CANCELED	Regular Meeting	1:30 PM*
November 14, 2022	Regular Meeting	1:30 PM*
December 12, 2022 CANCELED	Regular Meeting	1:30 PM*
January 9, 2023 CANCELED	Regular Meeting	1:30 PM*
February 13, 2023 CANCELED	Regular Meeting	1:30 PM*
March 13, 2023 CANCELED	Regular Meeting	1:30 PM*
April 10, 2023	Regular Meeting	1:30 PM*
May 8, 2023	Regular Meeting	1:30 PM*
June 12, 2023 CANCELED	Regular Meeting	1:30 PM*
July 10, 2023	Regular Meeting	11:30 AM*
August 14, 2023	Public Hearing and Regular Meeting	1:30 PM*
September 11, 2023	Regular Meeting	1:30 PM*

Meetings will commence at the later of 1:30 p.m., or conclusion of Beaumont CDD Meetings