

SPRINGDALE TOWNHOMES

PHOTOMETRIC TABLE:

Fixture	Qty	Label	Arrangement	Description	Fixture	LFP	Low Watts	Arm	MFR
1	1	A	Single	SPRINGDALE TOWNHOMES PH-01	ML900V1-02-04T-MDL01-01	0.00	0	0	18
2	2	B	Single	SPRINGDALE TOWNHOMES PH-02	ML900V1-02-04T-MDL01-02	0.00	0	0	18
3	1	C	Single	SPRINGDALE TOWNHOMES PH-03	ML900V1-02-04T-MDL01-03	0.00	0	0	18

Calculation Summary	Calc Type	Units	Qty	Max	Min	Weight	MaxMin
WALKWAY	Photometric	Ft	4.07	1.47	0.00	44.00	27.00
PARKING AREA	Photometric	Ft	1.04	0.15	1.03	2.00	0.00
POOL AND WET DECK	Photometric	Ft	0.01	0.02	0.00	1.41	1.07
PROVIDENCE	Photometric	Ft	0.00	0.00	0.00	0.00	0.00
PLANT	Photometric	Ft	0.00	0.00	0.00	N.A.	N.A.

Location Summary	Location Point	X	Y	Z	Output
1	A	460.0	778.0	18.0	180
2	A	380.0	778.0	18.0	0
3	A	420.0	818.0	18.0	270
4	A	444.0	765.0	18.0	270
5	A	385.0	765.0	18.0	270
6	A	380.0	765.0	18.0	270
7	A	320.0	765.0	18.0	0
8	A	305.0	805.0	18.0	70
9	A	345.0	804.0	18.0	180
10	A	307.0	804.0	18.0	180
11	A	300.0	840.0	18.0	180
12	A	300.0	830.0	18.0	180
13	A	300.0	817.0	18.0	180
14	A	300.0	807.0	18.0	180
15	A	300.0	797.0	18.0	180
16	A	300.0	787.0	18.0	180
17	A	352.0	778.0	18.0	0
18	A	352.0	768.0	18.0	0
19	A	352.0	758.0	18.0	0
20	A	352.0	748.0	18.0	0
21	A	352.0	738.0	18.0	284
22	A	352.0	728.0	18.0	0
23	A	352.0	718.0	18.0	0
24	A	352.0	708.0	18.0	0
25	A	352.0	698.0	18.0	180
26	A	352.0	688.0	18.0	180
27	A	352.0	678.0	18.0	180
28	A	352.0	668.0	18.0	180
29	A	352.0	658.0	18.0	180
30	A	352.0	648.0	18.0	180
31	A	352.0	638.0	18.0	180
32	A	352.0	628.0	18.0	180
33	A	352.0	618.0	18.0	180
34	A	352.0	608.0	18.0	180
35	A	352.0	598.0	18.0	180
36	A	352.0	588.0	18.0	180
37	A	352.0	578.0	18.0	180
38	A	352.0	568.0	18.0	180
39	A	352.0	558.0	18.0	180
40	A	352.0	548.0	18.0	180
41	A	352.0	538.0	18.0	180
42	A	352.0	528.0	18.0	180
43	A	352.0	518.0	18.0	180
44	A	352.0	508.0	18.0	180
45	A	352.0	498.0	18.0	180
46	A	352.0	488.0	18.0	180
47	A	352.0	478.0	18.0	180
48	B	420.0	778.0	18.0	0
49	B	444.0	765.0	18.0	0
50	C	405.0	765.0	18.0	0
51	C	405.0	745.0	18.0	0
52	C	405.0	725.0	18.0	180
53	C	405.0	705.0	18.0	180



PROJECT: SPRINGDALE TOWNHOMES
 MARGATE, FLORIDA
PH-01

DESCRIPTION: INDEX SHEET & PHOTOMETRIC TABLE

SCALE: NTS
 DESIGNED BY: SB
 DRAWN BY: MP
 CHECKED BY: WP

ELECTRICAL ENGINEER:
 WILLIAM P. P.E.
 FLORIDA P.E. # 32028

lightworks
 smart technology for the built world

THE SIGNATURE AND SEAL HEREBY AFFIXED BY THIS ENGINEER CERTIFIES COMPLIANCE ONLY OF THE METHOD AND INPUT DATA USED IN THE GENERATION OF THIS COMPUTER PRINTOUT.

No.	REVISION	DATE	BY
1	REVISED BASEMAP	11-04-2022	MP

SHEET NO. PH-01	DESCRIPTION INDEX SHEET & PHOTOMETRIC TABLE
PH-02 THRU PH-07 PH-08	PXP VALUES POLE AND FIXTURE DETAILS



PH-02

SHEET NUMBER

PROJECT NO. M22035

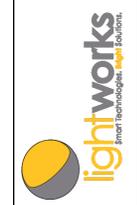
DATE 09/20/2022

PROJECT:
SPRINGDALE TOWNHOMES
MARGATE, FLORIDA

DESCRIPTION:
PXP VALUES

SCALE: 1" = 20'
DESIGNED BY: SB
DRAWN BY: MP
CHECKED BY: WP

ELECTRICAL ENGINEER:
WILLIAM E. PINO, P.E.
FLORIDA P.E. # 82078



No.	REVISION	REVISION	DATE	BY
1	REVISED BASEMAP		11-04-2022	MP

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PH-03

SHEET NUMBER

M22035

PROJECT NO.

09/20/2022

DATE

SPRINGDALE TOWNHOMES

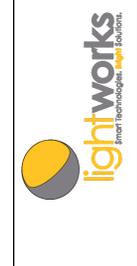
PROJECT:

MARGATE, FLORIDA

DESCRIPTION:
PXP VALUES

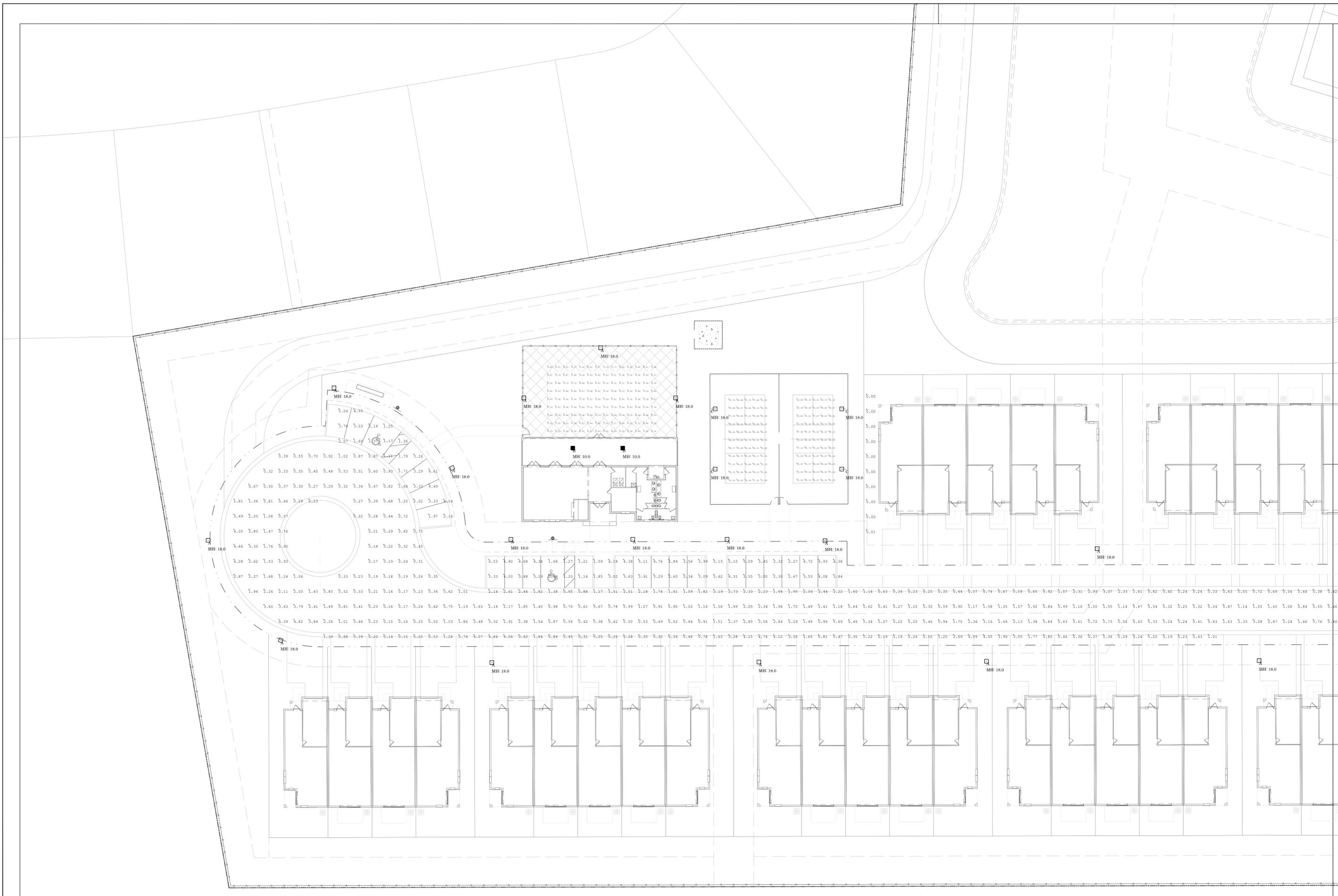
SCALE: 1" = 20'
DESIGNED BY: SB
DRAWN BY: MP
CHECKED BY: WP

ELECTRICAL ENGINEER:
WILLIAM E. PNO, P.E.
FLORIDA P.E. # 22026

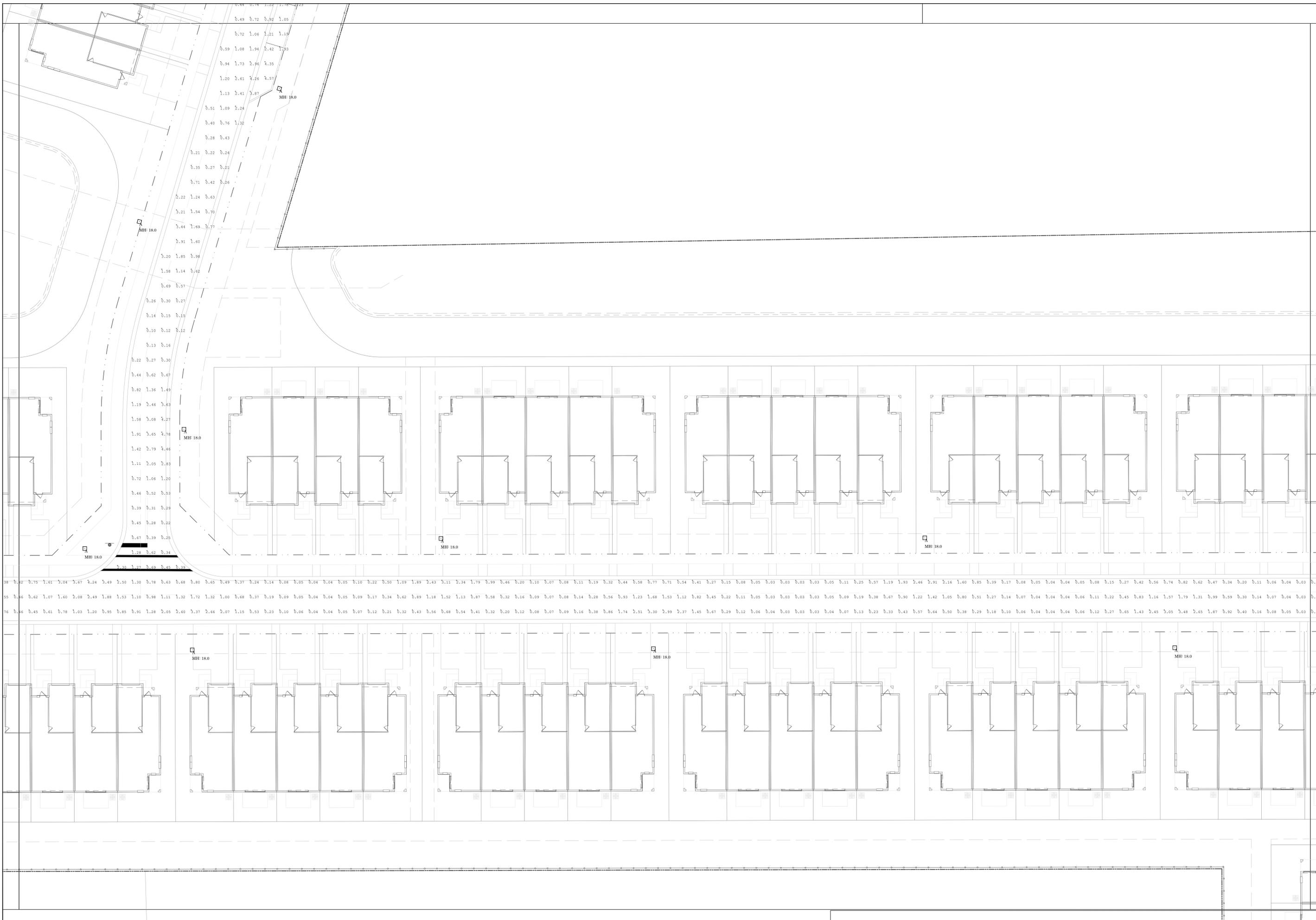


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No.	REVISION	REVISION	DATE	BY
1	REVISED BASEMAP		11-04-2022	MP

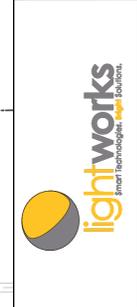


PROJECT: SPRINGDALE TOWNHOMES		DESCRIPTION: PXP VALUES	
MARGATE, FLORIDA		SEAL	
DATE 09/20/2022	PROJECT NO. M22035	SHEET NUMBER PH-04	
ELECTRICAL ENGINEER: WILLIAM E. PINDO, P.E. FLORIDA P.E. # 20268		SCALE: 1" = 20' DESIGNED BY: SB DRAWN BY: MP CHECKED BY: WP	
		THE SIGNATURE AND SEAL HEREBY AFFIXED BY THIS ENGINEER CERTIFIES COMPLIANCE ONLY OF THE METHOD AND INPUT DATA USED IN THE GENERATION OF THIS COMPUTER PRINTOUT.	
1 REVISED BASEMAP		REVISION	
No.		DATE	
11-04-2022		MP	



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No.	REVISION	BASEMAP	DATE	BY
1			11-04-2022	MP



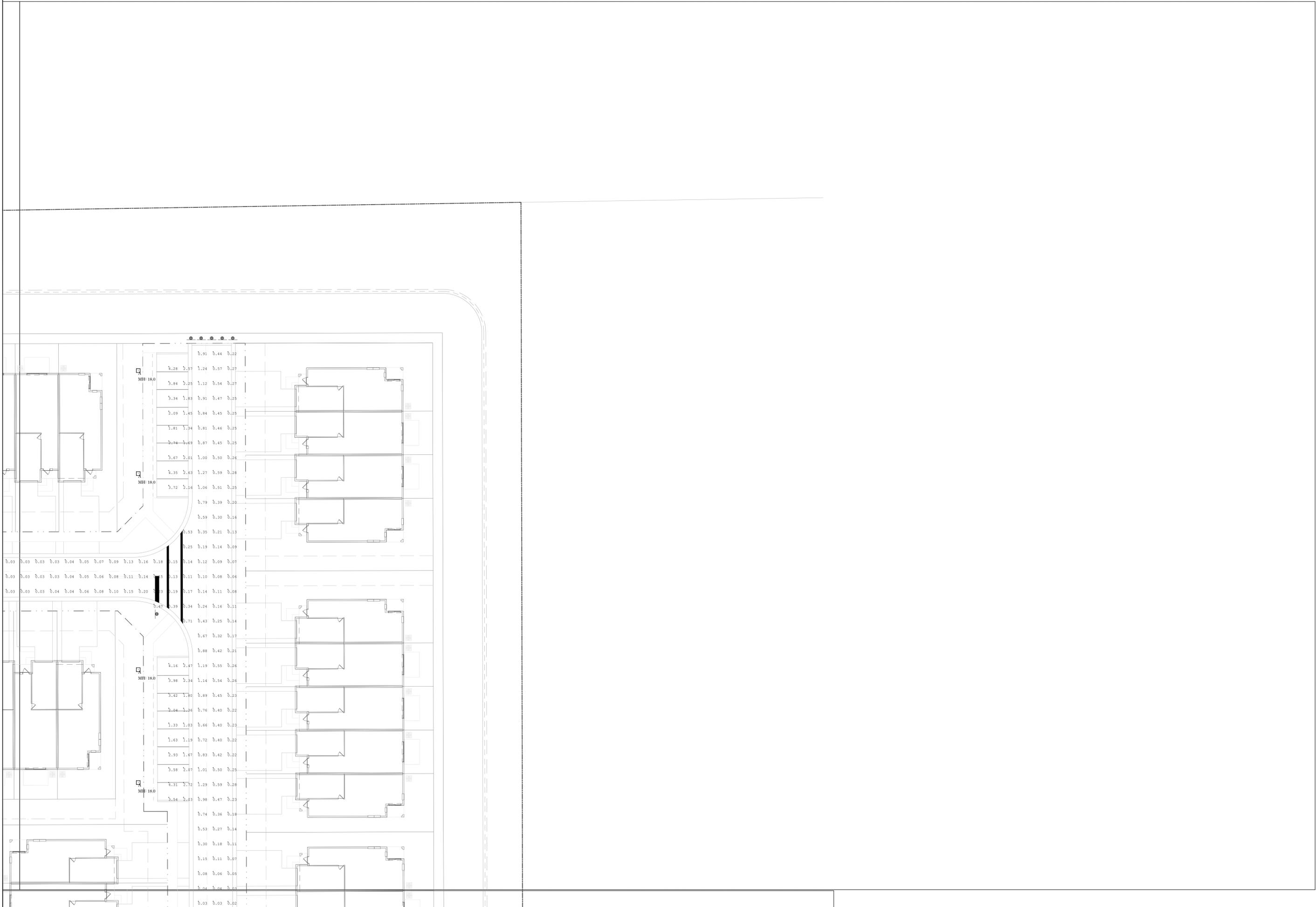
ELECTRICAL ENGINEER:
WILLIAM E. PNO, P.E.
FLORIDA P.E. # 20268

SCALE: 1" = 20'
DESIGNED BY: SB
DRAWN BY: MP
CHECKED BY: WP

DESCRIPTION:
PXP VALUES

PROJECT:
SPRINGDALE TOWNHOMES
MARGATE, FLORIDA

DATE
09/20/2022
PROJECT NO.
M22035
SHEET NUMBER
PH-05



PH-06

SHEET NUMBER

M22035

PROJECT NO.

09/20/2022

DATE

SPRINGDALE TOWNHOMES

PROJECT:

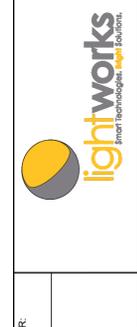
MARGATE, FLORIDA

DESCRIPTION:
PXP VALUES

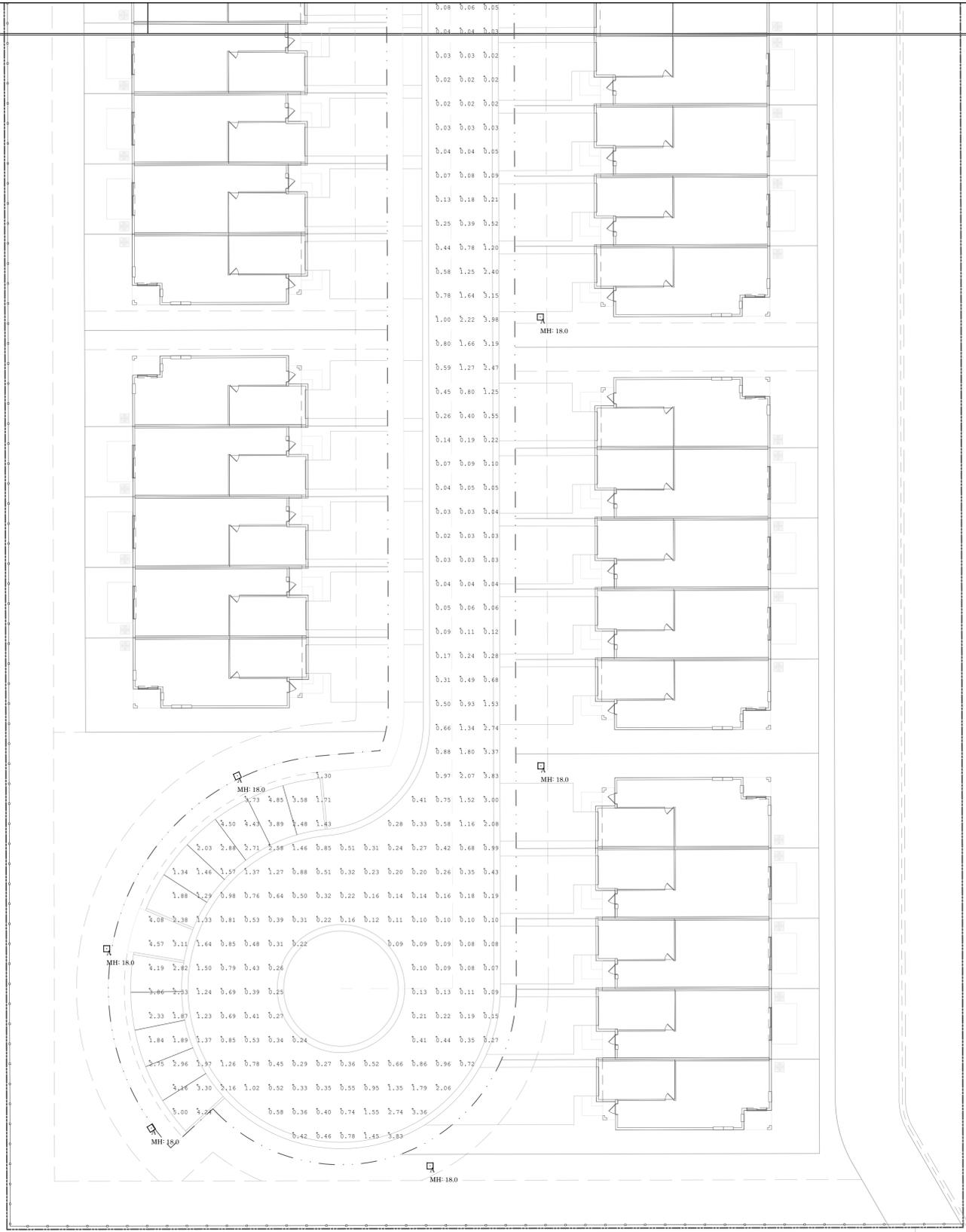
SEAL

CHECKED BY: WP
DRAWN BY: MP
DESIGNED BY: SB

ELECTRICAL ENGINEER:
WILLIAM E. PNO, P.E.
FLORIDA P.E. # 22026



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No.	REVISION	DATE	BY
1	REVISED BASEMAP	11-04-2022	MP



PH-07

SHEET NUMBER

M22035

PROJECT NO.

09/20/2022

DATE

PROJECT:
SPRINGDALE TOWNHOMES
MARGATE, FLORIDA

DESCRIPTION:
PXP VALUES

SCALE: 1" = 20'
DESIGNED BY: SB
DRAWN BY: MP
CHECKED BY: WP

ELECTRICAL ENGINEER:
WILLIAM E. PNO, P.E.
FLORIDA P.E. # 20268



No.	REVISION	REVISION	DATE	BY
1	REVISED BASEMAP		11-04-2022	MP

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TYPE A ASSEMBLY

TYPE A

555 Lawrence Avenue | Roselle, IL 60172 | p 847.588.3400 | www.sternberglighting.com
CONCEPTUAL ASSEMBLY DRAWING, SUBJECT TO ENGINEERING VERIFICATION BY THE FACTORY

PT FIXTURE: PT
The medium scale Millennia® ML600 post top luminaire is a breakthrough in modern area lighting technology. Its new world urban design transcends traditional lighting convention by seamlessly interweaving form and function to yet another level. Our convective AAD "Advanced Air-Flow Dynamics" maximizes heat sink expulsion to deliver unsurpassed thermal management for long-life LED performance and energy efficiency. Available with a myriad of options, the Millennia is perfect for commercial, institutional, and municipal markets. The cast aluminum slipfitter slips a 3" OD x 3" tall tenon. The luminaire shall be listed in US and Canada.

PT FIXTURE LIGHT SOURCE: -24L40T4-MDL014
Array: 24 LEDs, 90W for MD_014 (24L)
Color Temp: 4000K (40)
Distribution: Type 4 (T4)
Driver: Multi-Volt Dimmable Low-Range Driver - 120-277V, 140mA (MDL014)

PT FIXTURE OPTIONS: -SV1
Lens: Diffuse Acrylic Lens (SV1)

POLE: 5SQ16-250
Model: 5SQ
Height: 16 Ft (16)
Gauge: 0.250" (250)

FINISH: /BKT
Assembly shall be powder coated to Black Textured finish. Prior to coating, the assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance.

Access Door Orientation: 0°
Street Side Orientation: 180°

Job Name: SPRINGDALE TOWNHOMES Customer Signature: Drawing #44668
Job Location: MARGATE, FLORIDA Date: 2022/09/21 1 of 2

TYPE A

555 Lawrence Avenue | Roselle, IL 60172 | p 847.588.3400 | www.sternberglighting.com
CONCEPTUAL ASSEMBLY DRAWING, SUBJECT TO ENGINEERING VERIFICATION BY THE FACTORY

Job Name: SPRINGDALE TOWNHOMES Customer Signature: Drawing #44668
Job Location: MARGATE, FLORIDA Date: 2022/09/21 2 of 2

TYPE B FIXTURE

SternbergLighting
ESTABLISHED 1923 7 EMPLOYEE OWNED
GENESIS Product Configurator

Catalog Number: WM-ML360-SV1-32L45T4-MDL03/BKT Type: B
Customer Approval: _____
Signature: _____ Date: _____

FIXTURE: WM-ML360
The Millennia® ML360 luminaire can be used as a wall mount fixture.
Lens: Flat Soft Vue Light Diffuse Acrylic Lens (SV1)

LIGHT SOURCE: -32L45T4
Array: 32L
Color Temp: 4500K (45)
Distribution: Type 4 (T4)

DRIVER: -MDL03
Driver: Multi-Volt Dimmable Low-Range Driver, 120-277V, 350mA (MDL03)

FINISH: /BKT
Assembly shall be powder coated to Black Textured finish. Prior to coating, the assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance.

Rev	Description	By	Date
1			
2			
3			
4			
5			

Job Name: SPRINGDALE TOWNHOMES
Job Location: MARGATE, FLORIDA
Drawn By: SB
Drawn Date: 09-21-2022
Checked By: MP
Checked Date: 09-21-2022
Drawing No: 44669

TYPE C FIXTURE AND POLE

Hilumz The Professional's LED Retrofit Choice

NightShine Grand HLAR08 - Specification Sheet

TYPE C

HIGH PERFORMANCE 40K TO 92K LUMEN SYSTEM

MODERN SEAGULL-CURVE DESIGN
EXCELLENT LIGHT PERFORMANCE
IMMEDIATE ON-OFF/0-10V DIMMING
FIELD SERVICABLE
5050 LUMILED CHIP SET

All of the latest LED technology combined to deliver the highest performance high tennis court lighter on the market. Lumiled 5050 LEDs are the standard in high performing LEDs. The chipset allows for a large and efficient optical package that optimizes light control and distribution. The system is offered with standard 20kV surge and a large body pure aluminum heat management system. The NightShine Grand will provide superior light play for decades to come.

- Full service and full maintenance support
- Rugged and simple "one-person install" system
- Built & supported in the Alpharetta, GA
- Tier 1 performance

10 YEAR WARRANTY FOR TENNIS

NET WEIGHT: 15.0kg/33.0lb
GROSS WEIGHT: 18.6kg/41.0lb
EPA: 0.6
DIMENSIONS: 37.4" x 18.6" x 3.9"

Hilumz The Professional's LED Retrofit Choice

NightShine Grand HLAR08 - Specification Sheet

PERFORMANCE

PRODUCT	WATTAGE	LUMENS, 5000K	VOLTAGE	CRI	OP TEMP
AR08	400	58,000	100-277V, 270-480V	74+	-40°C +55°C
	500 (465 measured)	67,500			
	600	83,520			

OPTICAL DISTRIBUTION

T4 (highlighted) T2

PHOTOMETRIC SERVICES AVAILABLE
OTHER OPTICS AVAILABLE UPON REQUEST

ORDERING

EXAMPLE **AR08-500-1N-57K-T5-SF-N-10**: 500 watt unit on a 120-277V line at 5700K, with T4 optics and slip fitter mount, 10 year warranty

SKU	WATTAGE	VOLTAGE	CCT	OPTICS	MOUNTING	CONTROLS	SHIELDS
AR08	400	1N (120-277)	50K = 5000K	T4	SP Pole Mount (square) RP Pole Mount (round)	N None D1 Photocell D2 Smart Photocell D4 Motion C1 Custom	BS Back shield* 4S Four side shield*
	500	2N (277-480)		T2	TRU Trunnion SF Slip Fitter TRU Trunnion		* cost adders

SQUARE/ROUND POLE MOUNT SLIP FITTER TRUNNION

HILUMZ USA
1335 Ridgeland Parkway
Suite 150
Alpharetta, GA 30004
sales@hilumzusa.com
678-867-9200
HilumzPRO.com

JOB NO: _____ PROJECT: SPRINGDALE TOWNHOMES CUSTOMER: _____

LENGTH OF POLE	17 FT.
EMBEDMENT SPECIFIED	7 FT.
HEIGHT ABOVE GROUND	10 FT.
WEIGHT	600 LBS.
WIND VELOCITY (mph)	150 160 170 180
MAXIMUM EPA* (sq. ft.)	10.8 8.6 6.6 5.0

STANDARD PIPE TENON SIZE

Nominal Diameter (in)	Outside Diameter (in)
2"	2 3/8"
2 1/2"	2 7/8"
3"	3 1/2"
3 1/2"	4"
4"	4 1/2"

17 ft. TYPE I -0 POLE

PRECAST SPECIALTIES
Precast Specialties, LLC.
CGC-060216
3898 Selvitza Road | Fort Pierce, FL 34981

NOTES:

- ALL OF THE TYPE C FIXTURES SHALL HAVE BACKSIDE SHIELDS.
- NO SUBSTITUTIONS ALLOWED WITHOUT THE PRIOR CONSENT OF THE ENGINEER OF RECORD.
- CONTRACTOR SHALL VERIFY ALL SITE VOLTAGES PRIOR TO ORDERING ANY LIGHT FIXTURES.
- CONTRACTOR SHALL PROVIDE A SET OF "SIGNED AND SEALED" PHOTOMETRIC PLANS AS PART OF THE SUBMITTAL PACKAGE.
- FOR ANY LIGHTING QUESTIONS, PLEASE CONTACT: MAINNOR PIND AT 561-373-9004.

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DESIGNED BY: SB
DRAWN BY: MP
CHECKED BY: WP

REVISION
No. 1
DATE 11-04-2022
BY MP

PROJECT: SPRINGDALE TOWNHOMES
MARGATE, FLORIDA

DATE 09/20/2022
PROJECT NO. M22035
SHEET NUMBER PH-08

DESCRIPTION: INDEX SHEET & PHOTOMETRIC TABLE