

CITY OF MARCO ISLAND
MARCO ISLAND RACQUET CLUB

INDEX OF LIGHTING PLANS

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PLANS PREPARED FOR:

JOE PARRILLI
MANAGER, FLEET & FACILITIES
CITY OF MARCO ISLAND
50 BALD EAGLE DRIVE
MARCO ISLAND, FL 34145
P 239.389.5058

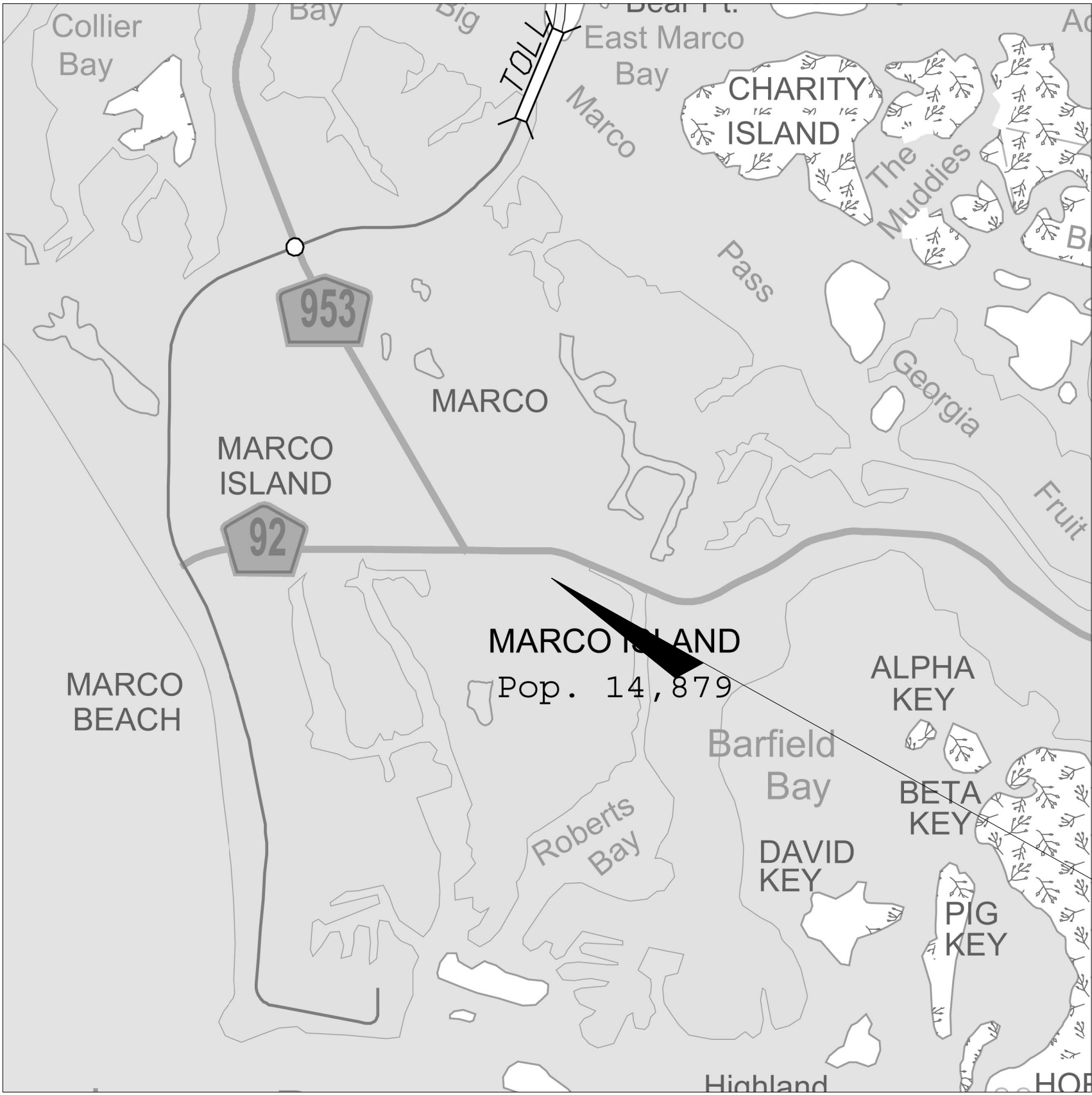
“GOVERNING STANDARD PLANS:
FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2025-26 STANDARD
PLANS FOR ROAD AND BRIDGE CONSTRUCTION AND APPLICABLE
INTERIM REVISIONS (IRS).

STANDARD PLANS FOR ROAD CONSTRUCTION AND ASSOCIATED IRS ARE
AVAILABLE AT THE FOLLOWING WEBSITE:
[HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS](https://www.fdot.gov/design/standardplans)

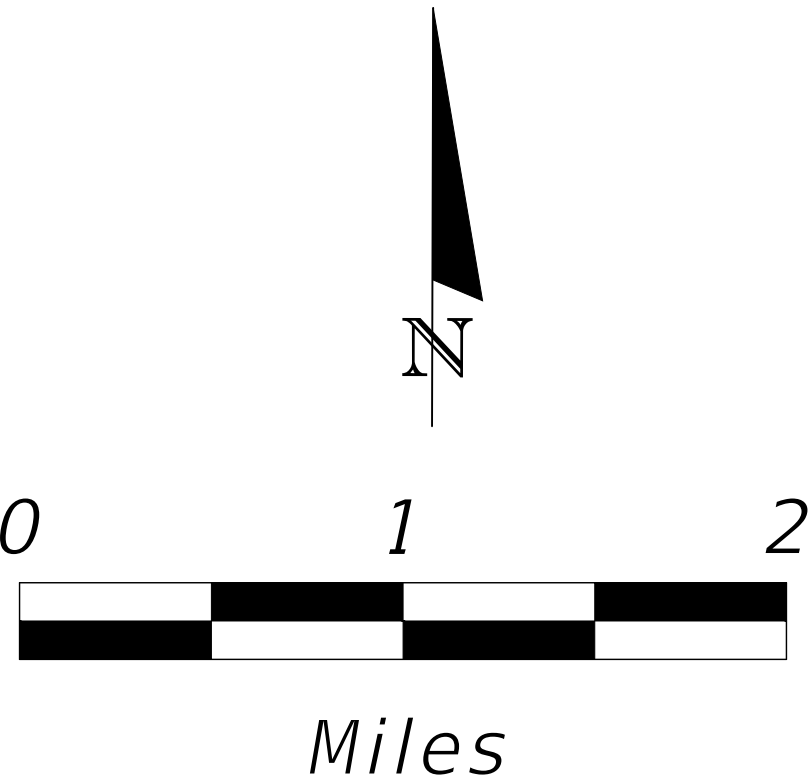
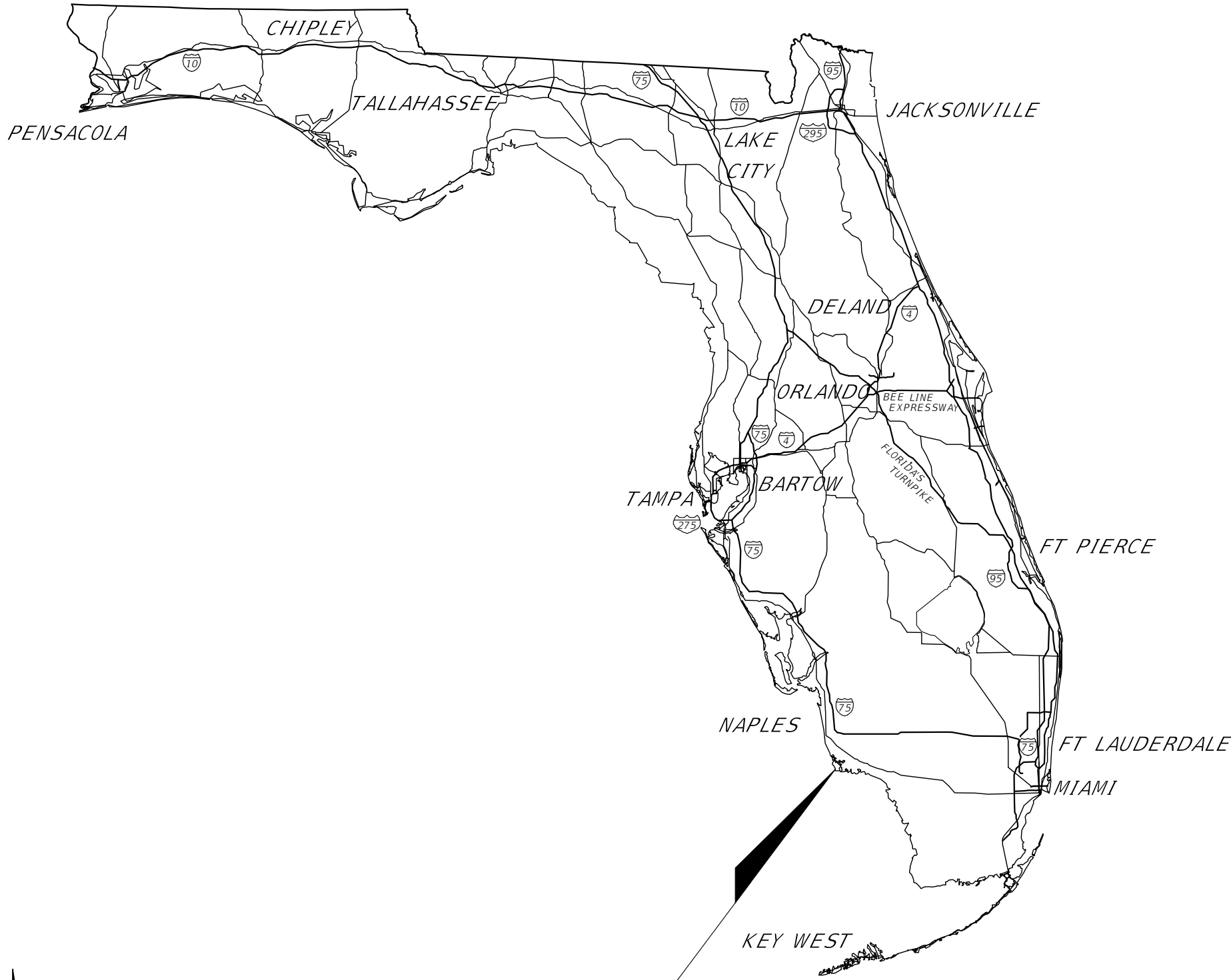
STANDARD PLANS FOR BRIDGE CONSTRUCTION ARE INCLUDED IN THE
STRUCTURES PLANS COMPONENT.

GOVERNING STANDARD SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2025-26 STANDARD
SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE
FOLLOWING WEBSITE:
[HTTPS://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECSBOOKS](https://www.fdot.gov/programmanagement/implemented/specsbooks)”

LIGHTING & ELECTRICAL PLANS



KEY SHEET REVISIONS	
DATE	DESCRIPTION
12/19/25	ADDED PIPE & WIRE



Project Location

PROJECT LOCATION

SHOP DRAWINGS SUBMITTED TO:

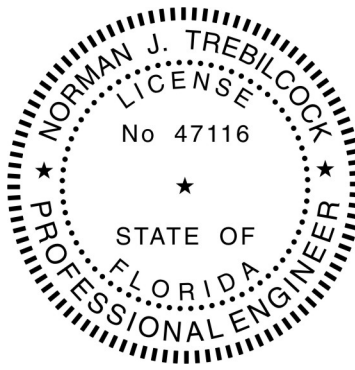
PLANS PREPARED BY:



TREBILCOCK CONSULTING SOLUTIONS, PA
2800 DAVIS BLVD SUITE 200 NAPLES FL 34104
CERTIFICATE OF AUTHORIZATION No. 27796
PHONE: 239 566 9551
FAX: 239 566 9553

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

ISSUE FOR PERMIT DATE:09/11/25



LIGHTING PLANS
ENGINEER OF RECORD: NORMAN J. TREBILCOCK PE, PTOE AICP

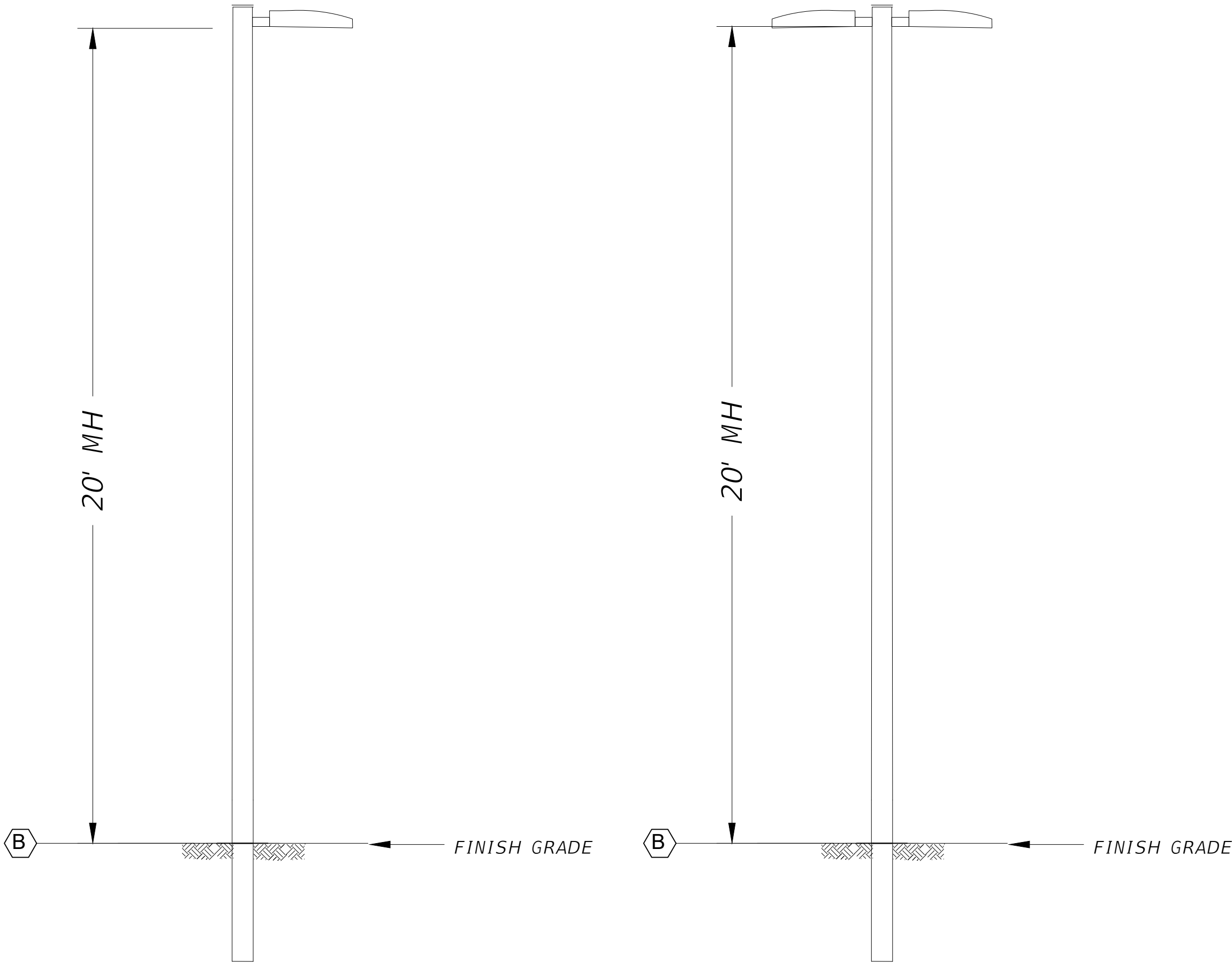
P.E. NO.: 47116

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ON ANY ELECTRONIC COPIES.

FISCAL YEAR	SHEET NO.
25	L-1

LIGHTING FIXTURE SCHEDULE							
	MANUFACTURER	ORDER INFORMATION					
		QTY	LAMP	LUMINAIRE CATALOG NUMBER	VOLTAGE	MOUNTING	REMARKS
A	GARDCO	2	LED	ECF-S-48L-900-WW-G2-4-HIS	MVOLT	POLE	ECOFORM AREA LED ECF - SMALL, 48 LED'S, 3000K CCT, TYPE 4-HIS OPTIC, HOUSE-SIDE INTERNAL SHIELDING ON A DIRECT BURY 20' MH CONCRETE POLE.
B	CARDCO	2	LED	ECF-S-48L-900-WW-G2-4	MVOLT	POLE	ECOFORM AREA LED ECF - SMALL, 48 LED'S, 3000K CCT, TYPE 4-HIS OPTIC, ON A DIRECT BURY 20' MH CONCRETE POLE.

* COLOR/FINISH SELECTION PER OWNER



GENERAL ELECTRICAL NOTES:

- ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES GOVERNING ELECTRICAL SYSTEMS.
- CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED UTILITIES, AND IRRIGATION SLEEVES PRIOR TO DRILLING POLE FOUNDATION. PROVIDE A MINIMUM 5FT HORIZONTAL SEPARATION FROM EXISTING WATER AND SEWER MAINS MINOR POLE LOCATION MODIFICATIONS MAY BE MADE BY CONTRACTOR IN THE FIELD TO AVOID CONFLICTS. MAJOR POLE LOCATION MODIFICATIONS SHALL BE APPROVED BY ENGINEER OF RECORD.
- PRIOR TO PURCHASING ELECTRICAL EQUIPMENT, SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
- UPON COMPLETION OF THE PROJECT CONTRACTOR SHALL SUPPY OWNER ONE SET OF AS-BUILT SHOP DRAWINGS, SHOWING INSTALLED ELECTRICAL INSTALLATION.
- FUSE HOLDERS (BUSSMAN TRON IN-LINE FUSE HOLDER W/ FNM 5 AMP SLOW BLOW FUSE OR EQUAL), SURGE PROTECTORS (HUNT ENTERPRISES IN-LINE TYPE OR EQUAL) AND GROUND RODS (5/8" X 10', COPPER CLAD, MEASURED 25 OHMS OR LESS) SHALL BE PROVIDED AT EACH LIGHT POLE FIXTURE BASE.
- PULL BOXES SHALL BE IN-GROUND TYPE CARSONS 1419-48 BOLTDOWN T COVER (OR EQUAL)
- CONTRACTOR TO SUPPLY ENGINEERED FIXTURE, POLE & FOUNDATION DESIGN SIGNED/SEALED BY FLORIDA STRUCTURAL ENGINEER TO THE REQUIRED DESIGN WIND SPEED.
- SIX (6) FT MINIMUM CLEAR ZONE FROM THE STREET LIGHT POLES TO THE EDGE OF PAVEMENT OF LOCAL STREETS IS REQUIRED. FOUR (4) FT MINIMUM CLEAR ZONE WHERE THERE IS RAISED CURB (FROM FACE OF CURB TO POLE FACE).

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Existing Parking	+	2.8 fc	6.9 fc	0.7 fc	9.9:1	4.0:1
Parking	+	2.0 fc	5.8 fc	0.8 fc	7.3:1	2.5:1
South Property line	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
West Property Line	+	0.0 fc	0.4 fc	0.0 fc	N/A	N/A
East property Line	+	0.0 fc	0.3 fc	0.0 fc	N/A	N/A



Site and Area

EcoForm

ECF-S small area light



Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 27,800 lumens or more in a compact, low profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings. Includes Service Tag, our innovative way to provide assistance throughout the life of the product.

Project:

Location:

Cat.No:

Type:

Lamps:Qty:

Notes:

Ordering guide

Example: ECF-S-64L-900-NW-G2-AR-5-120-HIS-MGY

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Mounting	Distribution	Voltage					
ECF-S											
ECF-S EcoForm site and area, small	32L 32 LEDs (2 modules)	365	365mA	WW-G2 Warm White 3000K, 70CRI Generation 2	AR² Arm Mount (standard)	Type 2		120V			
		530	530mA			2	Type 2		208V		
		700	700mA			2-90	Rotated left 90°	AFR	Auto Front Row	240V	
	48L 48 LEDs (3 modules)	1A	1050mA	NW-G2 Neutral White 4000K, 70CRI Generation 2	The following mounting kits must be ordered separately (See accessories)	2-270	Rotated right 270°	AFR-90	Auto Front Row, Rotated left 90°	277	277V
		1.2A	1200mA			Type 3				347	347V
						3	Type 3	BLC	Back Light Control	480	480V
	64L 64 LEDs (4 modules)	900	900mA	CW-G2 Cool White 5000K, 70CRI Generation 2	SF³ Slip Fitter Mount (fits to 2 1/4" O.D. tenon)	3-90	Rotated left 90°	BLC-90	Back Light Control rotated at 90°	UNV	120-277V (50/60Hz)
		1A	1050mA			3-270	Rotated right 270°	BLC-270	Back Light Control rotated at 270°	HVV	347-480V (50/60Hz)
		1.2A¹	1200mA			Type 4					
					WS Wall mount with surface conduit rear entry permitted	4	Rotated left 90°	LCL¹	LEED Corner Optic Left		
						4-90	Rotated left 90°	RCL¹	LEED Corner Optic Right		
						4-270	Rotated right 270°				
				RAM² Retrofit arm mount kit	Type 5						
					5	Type 5					
					5W	Type 5W					

Options	Dimming controls	Motion sensing lens	Photo-sensing	Options	Luminaire	Finish
	DD⁴¹⁸ 0-10V External dimming (for controls by others) DCC⁴,⁵,⁶,⁷,⁸ Dual Circuit Control FAWS⁴,⁵,⁶,⁷ Field Adjustable Wattage Selector SRDR⁴,⁵,⁶,⁷,⁸,⁹ SR driver connected to Zhaga socket DynaDimmer: Automatic Profile Dimming CS50⁴,⁵ Safety 50% Dimming, 7 hours CM50⁴,⁵ Median 50% Dimming, 8 hours CS30⁴,⁵ Safety 30% Dimming, 8 hours CM30⁴,⁵ Median 30% Dimming, 8 hours		PCB⁹ Photocontrol Button TLRD5¹⁵,¹⁷ Twist Lock Receptacle 5 Pin TLRD7¹⁵,¹⁷ Twist Lock Receptacle 7 Pin TLRPC⁹,¹⁵,¹⁷ Twist Lock Receptacle w/Photocell	Fusing F¹ Single (120, 277, 347VAC) F² Double (208, 240, 480VAC) Pole Mount Fusing FP¹ Single (120, 277, 347VAC) FP² Double (208, 240, 480VAC) FP³ Canadian Double Pull (208, 240, 480VAC) Surge Protection (10kA standard) SP2 Increased 20kA BAC²⁰,²¹ Meets the requirements of the Buy American Act of 1933 (BAA)	Square Pole Adapter included in standard product TB¹² Terminal Block RPA¹³ Round Pole Adapter (fits to 3"-3.9" O.D. pole) HIS¹⁴ Internal House Side Shield	Textured BK Black WH White BZ Bronze DGY Dark Gray MGY Medium Gray Customer specified RAL Specify optional color or RAL (ex: RAL7024) CC Custom color (Must supply color chip for required factory quote)

1. BL-IMR3/7 equipped with out-boarded sensor housing when voltage is HVU (347-480V).

2. Mounts to a 4" round pole with adapter included for square poles.

3. Limited to a maximum of 45 degrees aiming above horizontal.

4. Not available with other dimming control options.

5. Not available with motion sensor.

6. Not available with photocontrol.

7. Must specify a motion sensor lens.

8. Not available in 347 or 480V.

9. Must specify input voltage.

10. TLRD5, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off when ordered with any of the Dimming controls DD or FAWS or LCC.

11. Not available in 480V. Order photocell separately with TLRD5/7.
12. Not available with DCC.

13. Not available with SF and WS. RPAs provided with black finish standard.

14. HIS not available with Type 5, SW, BLC, BLC-90, BLC-270, LCL or RCL optics.

15. Not available with DD, DCC, FAWS, SRDR, or WIAP dimming control options.

16. WIAP must be combined with Motion sensing lens LB or LW or HB or HW.

17. When ordering SRDR, controller (by others) to be used on socket must be SR compatible (See specifications for more details). Consult factory for lead time. All 7 pins in NEMA receptacle are connected to SR driver. SRDR not available with TLRD5 or TLRPC.

18. 0-10V dimming driver standard.

19. LCL and RCL not available with 48L-1.2A or 64L-1A.
20. Extended lead times apply. Contact factory for details.

21. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

ECF-S_EcoForm_area_small 04/24 page 1 of 9



NORMAN TREBILCOCK, AICP, PT0E, PE #47116
TCS CERTIFICATE OF AUTHORIZATION No. 27796
DATE OF SUBMITTAL: 09/11/25

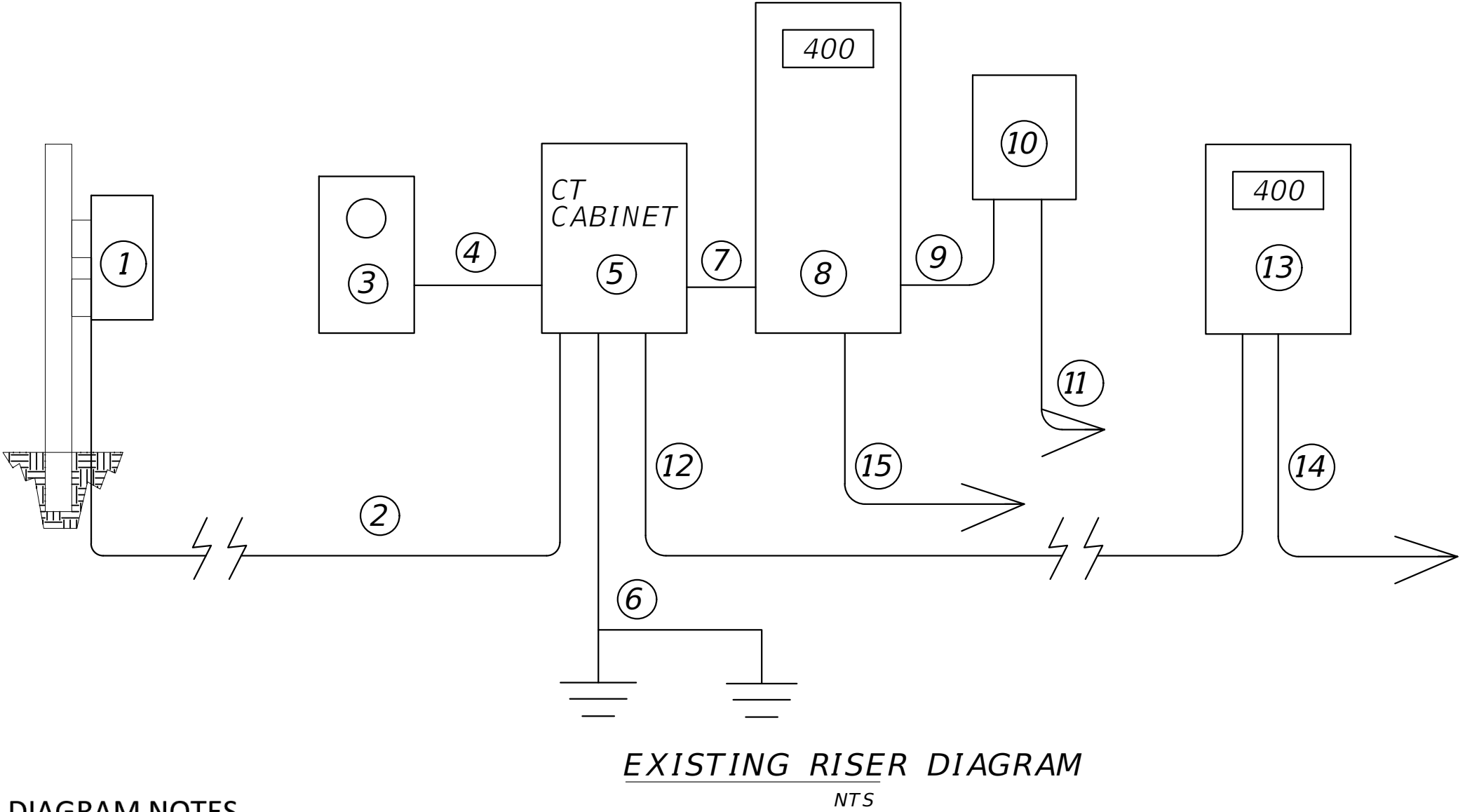
REVISIONS				 <div>TREBILCOCK CONSULTING SOLUTIONS 2800 DAVIS BLVD SUITE 200 NAPLES FL 34104</div>	MARCO ISLAND RACQUET CLUB LIGHTING & ELECTICAL PLANS			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
12/19/25	ADDED PIPE & WIRE				NA	COLLIER	NA	

FIXTURE SCHEDULE, NOTES

L-2

GENERAL ELECTRICAL NOTES AND SPECIFICATIONS

- 1) ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH CURRENT LOCAL, STATE AND FEDERAL CODES AND ORDINANCES GOVERNING ELECTRICAL SYSTEMS AND SHALL BE COORDINATED WITH GOVERNING AGENCIES, UTILITIES AND OTHER CONTRACTORS AND ANY TRADES ASSOCIATED WITH THIS PROJECT.
- 2) ELECTRICAL INSTALLATION TO BE IN COMPLIANCE WITH THE MOST CURRENT ADDOPTED EDITION OF NFPA-70, NATIONAL ELECTRIC CODE (NEC).
- 3) ELECTRICAL WORK SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT AND INCIDENTAL COSTS FOR THE INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM AND SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER BY PERSONS SKILLED IN THE TRADE.
- 4) ELECTRICAL WORK SHALL BE DONE UNDER THE SUPERVISION OF A LICENSED ELECTRICAL CONTRACTOR AUTHORIZED TO WORK IN THE GEOGRAPHIC AREA OF THE PROJECT.
- 5) THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND COORDINATING ALL UTILITY AND ELECTRICAL SERVICE REQUIREMENTS WITH THE APPROPRIATE UTILITY AND POWER COMPANY FIELD ENGINEERS PRIOR TO BIDDING ON THIS PROJECT.
- 6) THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDDING AND PROCEEDING WITH THE WORK ASSOCIATED WITH THIS PROJECT IN ORDER TO BECOME FAMILIAR WITH EXISTING AND PROPOSED FIELD CONDITIONS. FAILURE TO DO SO WILL NOT ENTITLE THEM TO ANY ADDITIONAL CHARGES TO THE OWNER.
- 7) CUTTING AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED FOR THE ELECTRICAL INSTALLATION SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTORS BID.
- 8) MATERIAL SHALL BE NEW AND FREE FROM DEFECTS AND BE LISTED BY UNDERWRITERS LABORATORIES (U.L.) WHERE APPLICABLE.
- 9) THE DRAWINGS ARE DIAGRAMMATIC AND NOT INTENDED TO SHOW EVERY DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE ELECTRICAL INSTALLATION.
- 10) PRIOR TO PURCHASING ELECTRICAL EQUIPMENT, SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- 11) THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP, MATERIALS AND EQUIPMENT FURNISHED UNDER THIS SCOPE OF WORK AS FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF CERTIFICATE OF OCCUPANCY. ANY DEFECTS OR DEFICIENCIES SHALL BE REPAIRED OR REPLACED WITHOUT COST TO THE OWNER.
- 12) UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUPPLY OWNER A MINIMUM ONE SET OF AS-BUILT DRAWINGS SHOWING EXACT ELECTRICAL INSTALLATION.
- 13) ALL CONDUCTORS ARE COPPER WITH THHN OR THWN INSULATION UNLESS OTHERWISE NOTED.
- 14) COORDINATION OF THE MOUNTING HEIGHT FOR EQUIPMENT AND DEVICES WITH THE ARCHITECT/OWNER SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- 15) ELECTRICAL INSTALLATION TO INCLUDE CONNECTION TO ALL EQUIPMENT INDICATED ON THE DRAWINGS INCLUDING EQUIPMENT FURNISHED AND INSTALLED BY OTHERS, AS APPLICABLE.
- 16) TWO AND THREE POLE CIRCUIT BREAKERS TO BE COMMON TRIP; NO TIE HANDLES, TANDEM OR “WAFER BREAKERS” WILL BE ACCEPTED.
- 17) ELECTRICAL DEVICES SHALL BE U.L. LISTED, COMMERCIAL GRADE, WHITE, STANDARD RECEPTACLES AND SWITCHES, UNLESS OTHERWISE NOTED.
- 18) RECEPTACLES INSTALLED WITHIN SIX FEET OF A WATER SUPPLY OR IN DAMP/WET LOCATIONS SHALL BE GROUND FAULT CIRCUIT INTERRUPTER PROTECTED AND UL LISTED FOR USE IN WET LOCATIONS.
- 19) RECEPTACLES INSTALLED IN WET LOCATION SHALL UTILIZE A UL LISTED WEATHERPROOF “IN-USE” COVER.
- 20) FLEXIBLE CONDUIT SHALL BE USED FOR CONNECTION TO ROTATING MACHINES AND VIBRATING EQUIPMENT. LIQUIDTITE FLEXIBLE METALIC OR NON-METALIC CONDUIT (LFMC OR LFNC), AS APPLICABLE, SHALL BE USED IN DAMP OR EXTERIOR LOCATIONS.



EXISTING RISER DIAGRAM NOTES

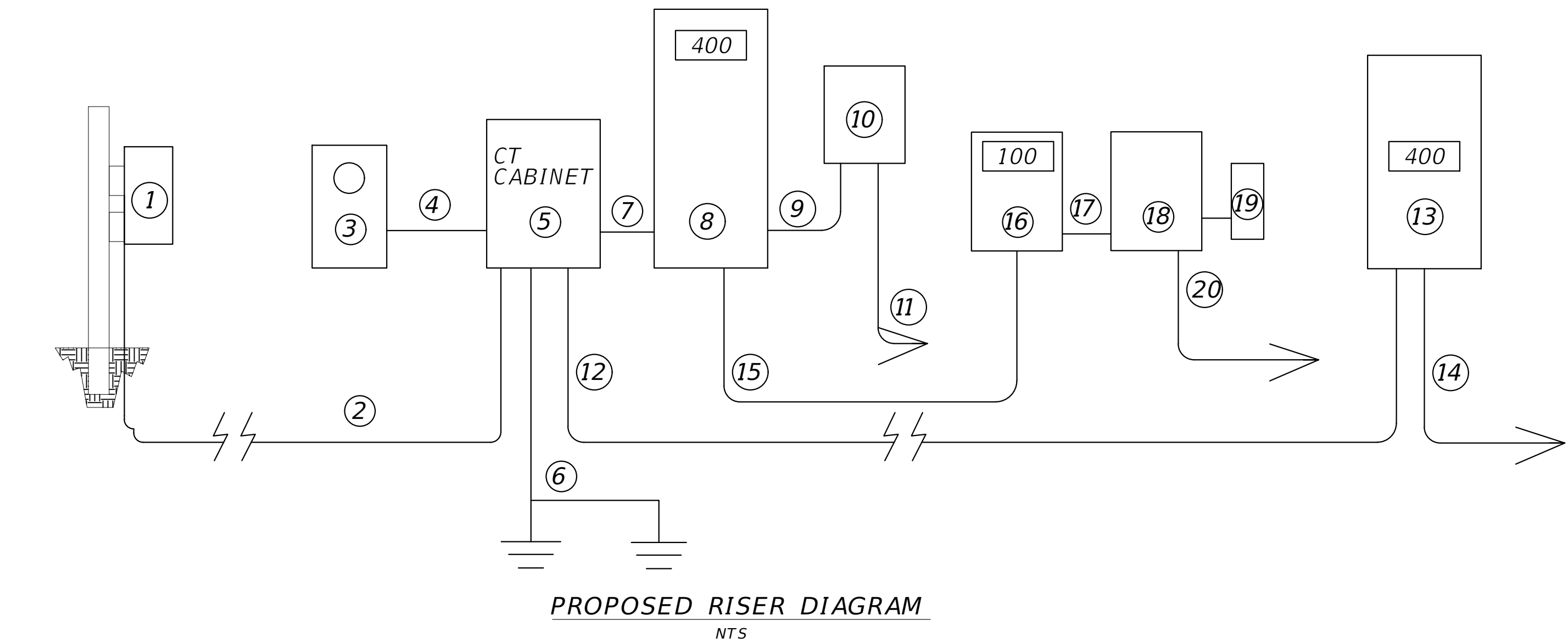
- 1) EXISTING ELECTRICAL UTILITY TRANSFORMER: 120/240 VOLT, SINGLE-PHASE, POLE MOUNTED TRANSFORMER. COORDINATE EXACT TRANSFORMER LOCATION AND ENTRANCE REQUIREMENTS WITH LEE COUNTY ELECTRICAL COOPERATIVE (LCEC), AS REQUIRED.
- 2) EXISTING SERVICE LATERAL: 2 SETS OF CONDUCTORS IN 3” CONDUIT TO CURRENT TRANSFORMER CABINET ENCLOSURE TO REMAIN.
- 3) EXISTING METER SOCKET: IT RATED METER SOCKET INSTALLED ON THE SIDE OF BUILDING DIRECTLY ADJACENT TO THE CURRENT TRANSFORMER (CT) CABINET TO REMAIN.
- 4) EXISTING CONDUIT INSTALLED BETWEEN CT CABINET AND IT RATED METER SOCKET TO REMAIN.
- 5) EXISTING CURRENT TRANSFORMER (CT) CABINET TO REMAIN.
- 6) EXISTING GROUNDING ELECTRODE SYSTEM TO REMAIN.
- 7) EXISTING 1 SET OF 2 – 500 MCM COPPER CONDUCTORS, 1 – 500 MCM COPPER CONDUCTOR NEUTRAL AND 1 – #3 COPPER EQUIPMENT GROUNDING CONDUCTOR IN 3” CONDUIT TO EXISTING MAIN DISCONNECT #1 TO REMAIN.
- 8) EXISTING MAIN DISCONNECT #1: 120/240 VOLT, 400 AMP ENCLOSURE, 400 AMP MAIN CIRCUIT BREAKER, SINGLE-PHASE, SURFACE MOUNTED, NEMA 3R ENCLOSURE TO REMAIN.
- 9) EXISTING 1 SET OF 2 – #3 COPPER CONDUCTORS, 1 – #3 COPPER CONDUCTOR NEUTRAL AND 1 – #6 EQUIPMENT GROUNDING CONDUCTOR IN 1” PVC CONDUIT TO LIFT STATION DISCONNECTING MEANS TO REMAIN.
- 10) EXISTING DISCONNECTING MEANS – LIFT STATION: 120/240 VOLT, 100 AMP ENCLOSURE, 100 AMP MAIN CIRCUIT BREAKER, SINGLE-PHASE, SURFACE MOUNTED, NEMA 3R ENCLOSURE TO REMAIN.
- 11) EXISTING CONDUIT AND CONDUCTORS TO LIFT STATION TO REMAIN.
- 12) EXISTING 1 SET OF 2 – 500 MCM COPPER CONDUCTORS, 1 – 500 MCM COPPER CONDUCTOR NEUTRAL AND 1 – #3 COPPER EQUIPMENT GROUNDING CONDUCTOR IN 3” CONDUIT TO EXISTING MAIN DISCONNECT #2 TO REMAIN.
- 13) EXISTING MAIN DISCONNECT #2: 120/240 VOLT, 400 AMP ENCLOSURE, 400 AMP MAIN CIRCUIT BREAKER, SINGLE-PHASE, SURFACE MOUNTED, NEMA 3R ENCLOSURE TO REMAIN.
- 14) EXISTING CONDUIT AND CONDUCTORS TO BUILDING ELECTRICAL DISTRIBUTION PANELS LOCATED IN RACQUET CENTER OFFICE TO REMAIN.
- 15) **EXISTING CONDUIT AND CONDUCTORS TO BUILDING ELECTRICAL DISTRIBUTION PANELS IN OLD RACQUET CLUB BUILDING TO BE REMOVED AND BUILDING STRUCTURE DEMOLISHED. ABANDONED OPENINGS IN EXISTING MAIN DISCONNECT #1 ENCLOSURE TO BE CLOSED WITH UL LISTED CONDUIT HOLE SEALS.**

NORMAN TREBILCOCK, AICP, PTOE, PE #47116
TCS CERTIFICATE OF AUTHORIZATION No. 27796
DATE OF SUBMITTAL: 09/11/25

REVISIONS				<div><div>TREBILCOCK</div>CONSULTING SOLUTIONS</div> <div>2800 DAVIS BLVD SUITE 200 NAPLES FL 34104</div>	MARCO ISLAND RACQUET CLUB LIGHTING & ELECTICAL PLANS			<i>EXISTING ELECTRICAL NOTES, RISER DIAGRAM & NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
12/19/25	ADDED PIPE & WIRE				NA	COLLIER	NA		L-3

PROPOSED RISER DIAGRAM NOTES

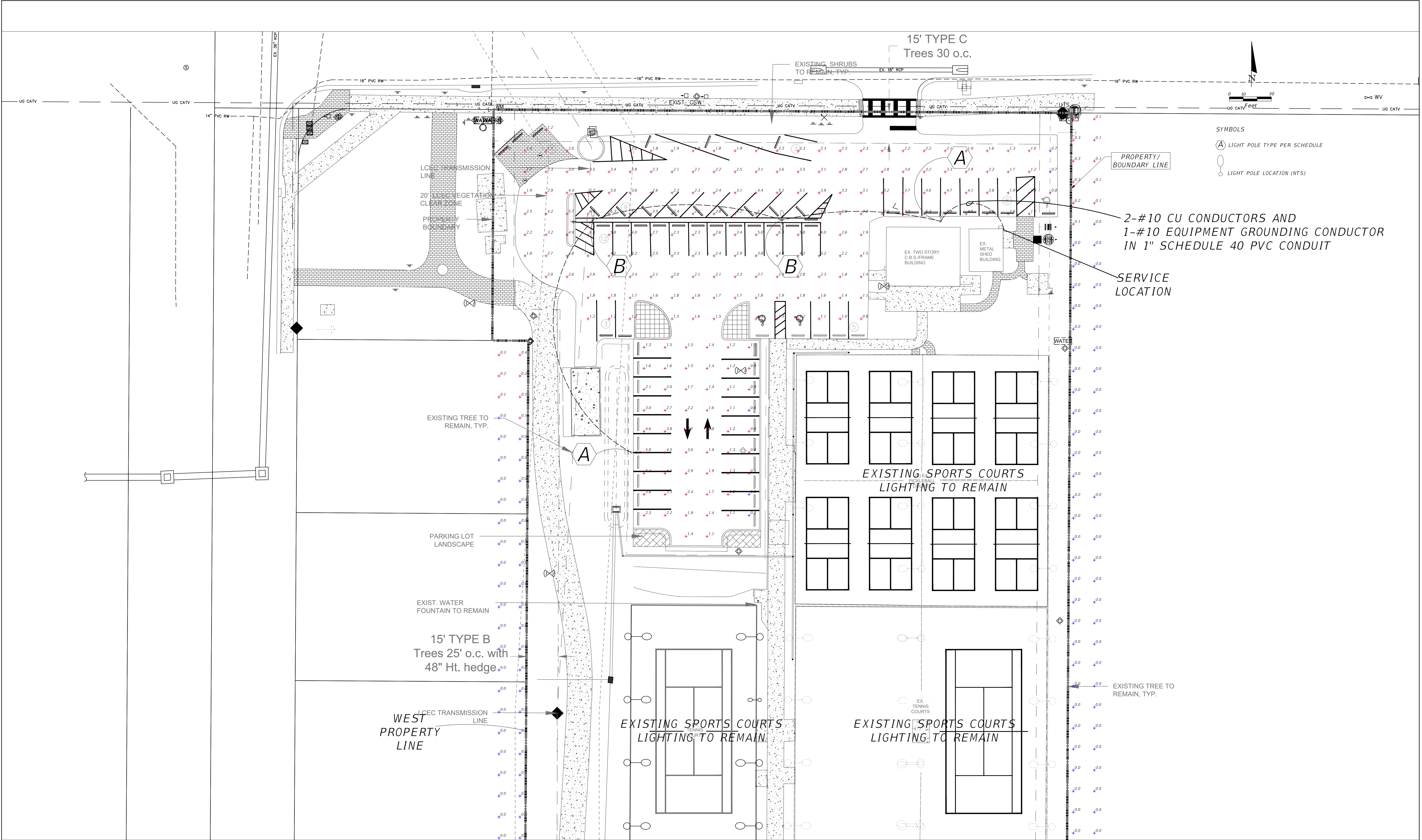
- 1) EXISTING ELECTRICAL UTILITY TRANSFORMER: 120/240 VOLT, SINGLE-PHASE, POLE MOUNTED TRANSFORMER. COORDINATE EXACT TRANSFORMER LOCATION AND ENTRANCE REQUIREMENTS WITH LEE COUNTY ELECTRICAL COOPERATIVE (LCEC), AS REQUIRED.
- 2) EXISTING SERVICE LATERAL: 2 SETS OF CONDUCTORS IN 3” CONDUIT TO CURRENT TRANSFORMER CABINET ENCLOSURE TO REMAIN.
- 3) EXISTING METER SOCKET: IT RATED METER SOCKET INSTALLED ON THE SIDE OF BUILDING DIRECTLY ADJACENT TO THE CURRENT TRANSFORMER (CT) CABINET TO REMAIN.
- 4) EXISTING CONDUIT INSTALLED BETWEEN CT CABINET AND IT RATED METER SOCKET TO REMAIN.
- 5) EXISTING CURRENT TRANSFORMER (CT) CABINET TO REMAIN.
- 6) EXISTING GROUNDING ELECTRODE SYSTEM TO REMAIN.
- 7) EXISTING 1 SETS OF 2 – 500 MCM COPPER CONDUCTORS, 1 – 500 MCM COPPER CONDUCTOR NEUTRAL AND 1 – #3 COPPER EQUIPMENT GROUNDING CONDUCTOR IN 3” CONDUIT TO EXISTING MAIN DISCONNECT #1 TO REMAIN.
- 8) EXISTING MAIN DISCONNECT #1: 120/240 VOLT, 400 AMP ENCLOSURE, 400 AMP MAIN CIRCUIT BREAKER, SINGLE-PHASE, SURFACE MOUNTED, NEMA 3R ENCLOSURE TO REMAIN.
- 9) EXISTING 1 SET OF 2 – #3 COPPER CONDUCTORS, 1 – #3 COPPER CONDUCTOR NEUTRAL AND 1 #6 EQUIPMENT GROUNDING CONDUCTOR IN 1” PVC CONDUIT TO LIFT STATION DISCONNECTING MEANS TO REMAIN.
- 10) EXISTING DISCONNECTING MEANS – LIFT STATION: 120/240 VOLT, 100 AMP ENCLOSURE, 100 AMP MAIN CIRCUIT BREAKER, SINGLE-PHASE, SURFACE MOUNTED, NEMA 3R ENCLOSURE TO REMAIN.
- 11) EXISTING CONDUIT AND CONDUCTORS TO LIFT STATION TO REMAIN.
- 12) EXISTING 1 SETS OF 2 – 500 MCM COPPER CONDUCTORS, 1 – 500 MCM COPPER CONDUCTOR NEUTRAL AND 1 – #3 COPPER EQUIPMENT GROUNDING CONDUCTOR IN 3” CONDUIT TO EXISTING MAIN DISCONNECT #2 TO REMAIN.
- 13) EXISTING MAIN DISCONNECT #2: 120/240 VOLT, 400 AMP ENCLOSURE, 400 AMP MAIN CIRCUIT BREAKER, SINGLE-PHASE, SURFACE MOUNTED, NEMA 3R ENCLOSURE TO REMAIN.
- 14) EXISTING CONDUIT AND CONDUCTORS TO BUILDING ELECTRICAL DISTRIBUTION PANELS LOCATED IN RACQUET CENTER OFFICE TO REMAIN.
- 15) PROPOSED CONDUIT AND CONDUCTORS TO PARKING LOT LIGHTING LOAD CENTER: 2 – #3 COPPER CONDUCTORS, 1 – #3 COPPER CONDUCTOR NEUTRAL AND 1 – #8 GROUNDING ELECTRODE CONDUCTOR IN 1-1/4” SCHEDULE 40 PVC CONDUIT. CONDUCTORS TO BE TIED INTO THE LOAD SIDE OF MAIN DISCONNECT #1 CONSISTENT WITH NEC 240.21(B)(2). NEUTRAL BAR TO BE ISOLATED FROM PANEL ENCLOSURE. PANEL ENCLOSURE TO BE GROUNDED PER NEC 250.134.
- 16) PROPOSED LOAD CENTER: 120/240 VOLT, 100 AMP ENCLOSURE, 100 AMP MAIN CIRCUIT BREAKER, SINGLE-PHASE, 20 SPACE, SURFACE MOUNTED, NEMA 3R ENCLOSURE, MOUNTED ADJACENT TO THE LIFT STATION DISCONNECTING MEANS.
- 17) PROPOSED CONDUIT AND CONDUCTORS TO LIGHTING CONTACTOR PER PANEL SCHEDULE.
- 18) PROPOSED LIGHTING CONTACTOR: 240 VOLT, 2-POLE, ELECTRICALLY HELD, 240 VOLT COIL, LIGHTING CONTACTOR IN NEMA 3R ENCLOSURE.
- 19) PROPOSED LIGHTING CONTROL: INTERMATIC T102 24 HOUR, 240 VOLT, MECHANICAL TIME CLOCK OR EQUAL.
- 20) PROPOSED CONDUIT AND CONDUCTORS TO NEW PARKING LOT LIGHTING SIZED PER PANEL SCHEDULE.



EQUAL TO: SQUARE "D"										VOLTAGE: 120/240, 1 PH, 3W					
PANEL "PARKING LIGHTING"										MAINS: 100A					
MOUNTING: SURFACE										TYPE MAINS: MAIN BREAKER					
						KVA								KVA	
CKT NO.	IDENTIFICATION		OCB	POLES	WIRE	A	B	CKT NO.	IDENTIFICATION		OCB	POLES	WIRE	A	B
1	PARKING LOT LIGHTS	-	20	2	#10	0.4		2	LIGHTING CONTROL	-	20	2	#12	0.1	
3	"	-	"	"	"		0.4	4	"	-	"	"	"		0.1
5	SPACE	-	-	-	-	-		6	SPACE	-	-	-	-	-	
7	SPACE	-	-	-	-	-		8	SPACE	-	-	-	-	-	
9	SPACE	-	-	-	-	-		10	SPACE	-	-	-	-	-	
11	SPACE	-	-	-	-	-		12	SPACE	-	-	-	-	-	
13	SPACE	-	-	-	-	-		14	SPACE	-	-	-	-	-	
15	SPACE	-	-	-	-	-		16	SPACE	-	-	-	-	-	
17	SPACE	-	-	-	-	-		18	SPACE	-	-	-	-	-	
19	SPACE	-	-	-	-	-		20	SPACE	-	-	-	-	-	
21	SPACE	-	-	-	-	-		22	SPACE	-	-	-	-	-	
23	SPACE	-	-	-	-	-		24	SPACE	-	-	-	-	-	
SUB TOTAL KVA		0.8			TOTALS	0.4	0.4	SUB TOTAL KVA		0.2			TOTALS	0.1	0.1
TOTAL KVA =		1.0	KVA x 1,000 =		1,000			1,000 VA/240 =				4.2	AMPS		

NORMAN TREBILCOCK, AICP, PTOE, PE #47116
TCS CERTIFICATE OF AUTHORIZATION No. 27796
DATE OF SUBMITTAL: 09/11/25

REVISIONS				<div>2800 DAVIS BLVD SUITE 200 NAPLES FL 34104</div>	MARCO ISLAND RACQUET CLUB LIGHTING & ELECTRICAL PLANS			PROPOSED ELECTRICAL NOTES, RISER DIAGRAM, NOTES & PANEL SCHEDULE		SHEET NO. L-4
DATE	DESCRIPTION	DATE	DESCRIPTION							
12/19/25	ADDED PIPE & WIRE									
					ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
					NA	COLLIER	NA			



NORMAN TREBILCOCK, AICP, PTOE, PE #47116
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TREBILCOCK
CONSULTING SOLUTIONS
2800 DAVIS BLVD SUITE 200 NAPLES FL 34104

MARCO ISLAND RACQUET CLUB LIGHTING & ELECTRICAL PLANS		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NA	COLLIER	NA

LIGHTING PLAN

SHEET NO.
L-5