

# CITY OF NAPLES

## NCH HEART VASCULAR & STROKE INSTITUTE EXPANSION

### SITE LIGHTING

#### INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
L-1	KEY SHEET
L-2	FIXTURE SCHEDULE, ENTRANCE PHOTOMETRICS AND NOTES
L-3 - L-4	PLAN SHEET

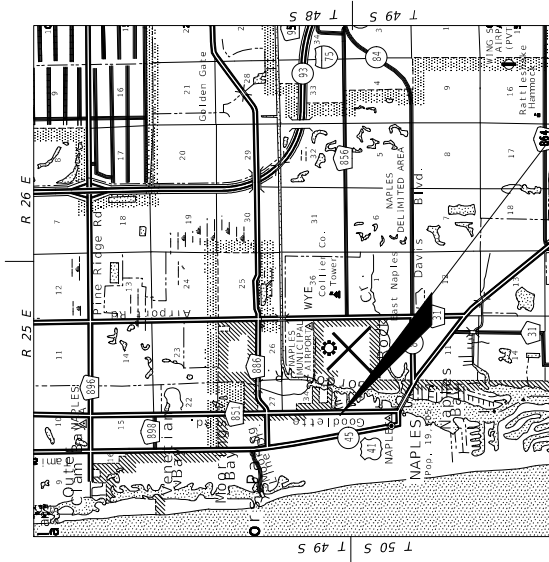
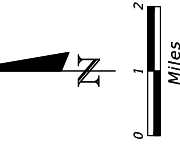
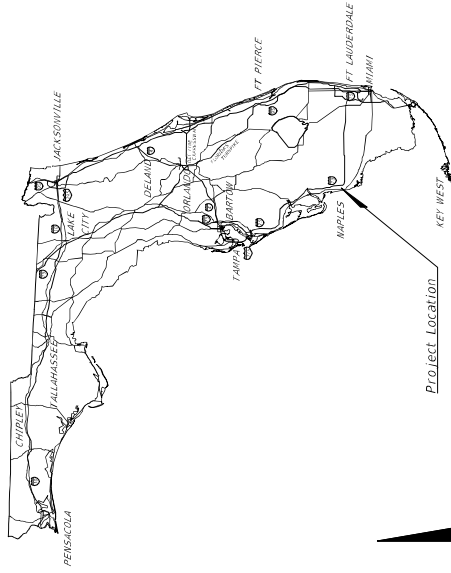
#### PLANS PREPARED FOR:

HOLE MONTES, INC.  
950 ENCORE WAY  
NAPLES, FL 34110  
PHONE: 239.254.2026

"GOVERNING STANDARD PLANS:  
FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2022-23 STANDARD PLANS FOR ROAD AND  
BRIDGE CONSTRUCTION AND APPLICABLE INTERIM REVISIONS (IRS).

STANDARD PLANS FOR ROAD CONSTRUCTION AND ASSOCIATED IRS ARE AVAILABLE AT THE  
HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS

GOVERNING STANDARD SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION, JULY 2022 STANDARD SPECIFICATIONS FOR  
ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:  
HTTPS://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECSBOOKS"



PROJECT LOCATION

DATE	KEY SHEET REVISIONS DESCRIPTION

PLANS PREPARED BY:  
SHOP DRAWINGS SUBMITTED TO:



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 SUBMITTAL DATE: 01/28/23



Digitally signed by Norman  
Trebilcock  
DN: c=US, st=Florida, l=Naples,  
o=Norman Trebilcock, cn=Norman  
Trebilcock  
email=ntrebilcock@trebilcock.biz  
Date: 2023.04.27 11:20:04 -0400

PLANS  
ENGINEER OF RECORD: NORMAN J. TREBILCOCK PE AICP

P.E. NO. 47116

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED  
SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES.

FISCAL YEAR	SHEET NO.
----------------	--------------

22	L-1
----	-----

# LIGHTING FIXTURE SCHEDULE

ORDER INFORMATION		REMARKS	
MANUFACTURER	QTY	LUMINAIRE CATALOG NUMBER	MOUNTING
COOPER LIGHTING SOLUTIONS - INVUE (FORMERLY EATON)	24	MSA-S4MB-730-U-T3	POLE
COOPER LIGHTING SOLUTIONS - INVUE (FORMERLY EATON)	3	MSA-S4MB-730-U-T3	POLE

## Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Crosswalk #1	+	3.6 fc	5.8 fc	1.1 fc	5.3:1	3.3:1
Crosswalk #2	+	5.1 fc	8.6 fc	1.2 fc	7.2:1	4.3:1
Crosswalk #3	+	6.7 fc	8.7 fc	3.5 fc	2.5:1	1.9:1
Parking	+	4.5 fc	8.6 fc	1.1 fc	7.8:1	4.1:1
7 TH ST N	+	4.0 fc	7.8 fc	0.8 fc	9.8:1	5.0:1

Project:	Catalog #	Type
Prepared by:	Notes	Date



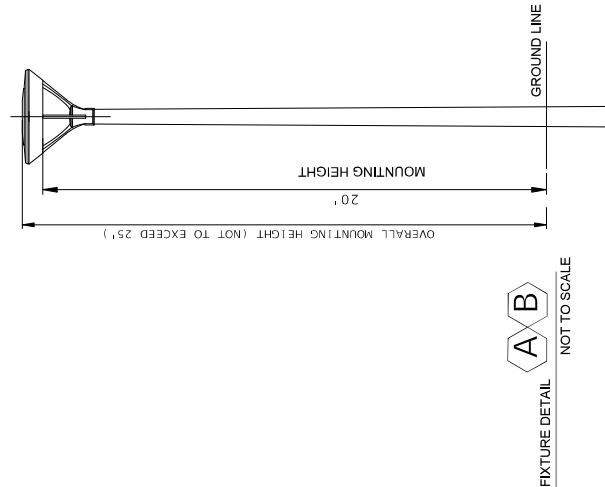
**Invue**  
**MSA MESA**  
Decorative Area Luminaire

**Product Features**

- Order Information page 2
- Optical Distributions page 3
- Product Specifications page 4
- Energy & Performance data page 5
- Control Options page 11

**Product Certifications**

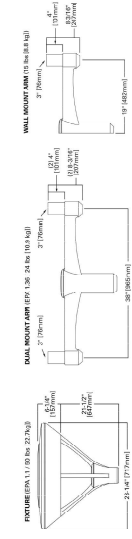
- ENEC
- TUV
- IEC
- CE
- UL
- VDE
- IP66
- DALI
- 30 VIB
- 150 VIB



- \*\* FIXTURE COLOR (XX) TO BE DETERMINED LATER. CONTRACTOR SHALL MEET OWNER TO DISCUSS LENS AND FOUNDATION TYPE
- GENERAL ELECTRICAL NOTES:**
- ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH APPLICABLE 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. 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 SUPPLY OWNER ONE SET OF AS-BUILT SHOP DRAWINGS, SHOWING EXACT ELECTRICAL INSTALLATION.
  - FUSE HOLDERS (BUSSMAN FROM IN-LINE FUSE HOLDER W/FIRM 5 AMP SLOW BLOW FUSE OR EQUAL), SURGE PROTECTORS (HUNT ENTERPRISES IN-LINE TYPE OR EQUAL) AND GROUND RODS (3/8" 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 GAISSONS 1419-48 BOLT DOWN T COVER (OR EQUAL).
  - CONTRACTOR TO SUPPLY ENGINEERED FIXTURE, POLE AND FOUNDATION DESIGN SEALED BY FLORIDA STRUCTURAL ENGINEER TO THE REQUIRED DESIGN WIND SPEED.
  - 5' X (6) FT MINIMUM CLEAR ZONE FROM THE STREET LIGHT POLES TO THE EDGE OF PAVEMENT OF LOCAL STREETS IS REQUIRED, OR FOUR FEET (4') FROM FACE OF CURB TO THE LIGHT POLES WHERE RAISED CURB IS PRESENT.

- Quick Facts**
- Die-cast aluminum housing and door
  - Lumen packages ranging from 3,000 - 29,900 lumens
  - High energy efficiency LEDs
  - Base casting of fits over standard 3" O.D. tees
  - Wall, single and dual-mount configurations available
  - 10kV/10kA surge protection standard
  - LED fixture features a five-year warranty

### Dimensional and Mounting Details



PSD 0102EN (PART 1)  
04/20/2019 (10/19)

NORMAN TREBILCOCK, AICP, PTOE, PE #47116  
TCS CERTIFICATE OF AUTHORIZATION NO. 27796  
ISSUE FOR PERMIT DATE: 04-28-2023

DATE	DESCRIPTION	DATE	DESCRIPTION

MANUFACTURER	QTY	LUMINAIRE CATALOG NUMBER	MOUNTING	REMARKS
COOPER LIGHTING SOLUTIONS - INVUE (FORMERLY EATON)	24	MSA-S4MB-730-U-T3	POLE	MESA (SINGLE) POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEADS EACH AND TYPE III OPTICS.
COOPER LIGHTING SOLUTIONS - INVUE (FORMERLY EATON)	3	MSA-S4MB-730-U-T3	POLE	MESA (DUAL MOUNT) POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEADS EACH AND TYPE III OPTICS.

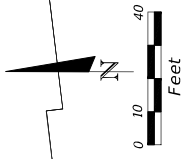
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NA	COLLIER	NA

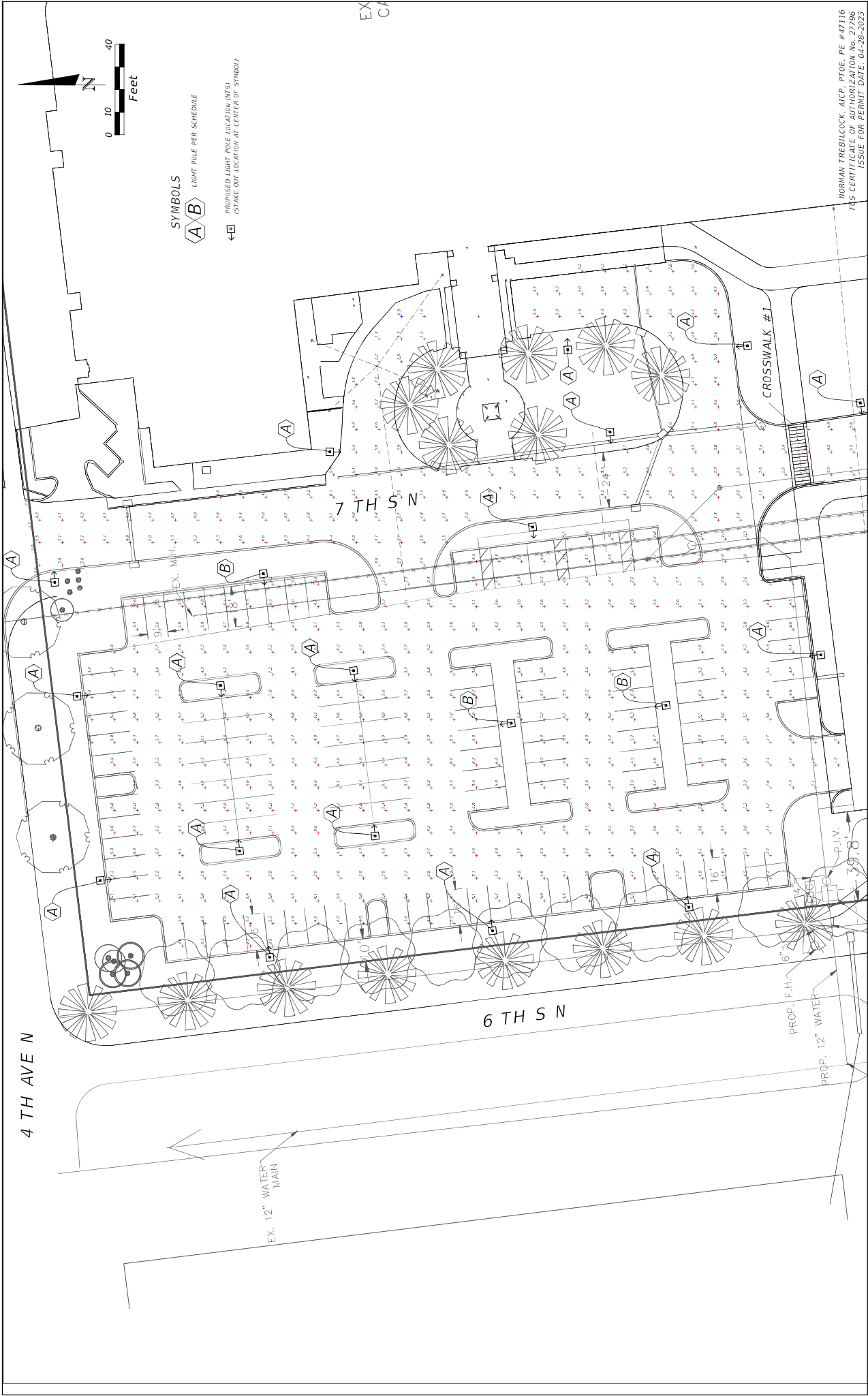
PROJECT	DATE	DESCRIPTION
MCH HEART VASCULAR & STROKE INSTITUTE EXPANSION	4/27/2023 10:30:00 AM	

FIXTURE SCHEDULE, ENTRANCE PHOTOMETRICS AND NOTES	SHEET NO.
	L-2



**SYMBOLS**  
 LIGHT POLE PER SCHEDULE  
 A B  
 PROPOSED LIGHT POLE LOCATION (INFS)  
 STAKE OUT LOCATION AT CENTER OF SYMBOL



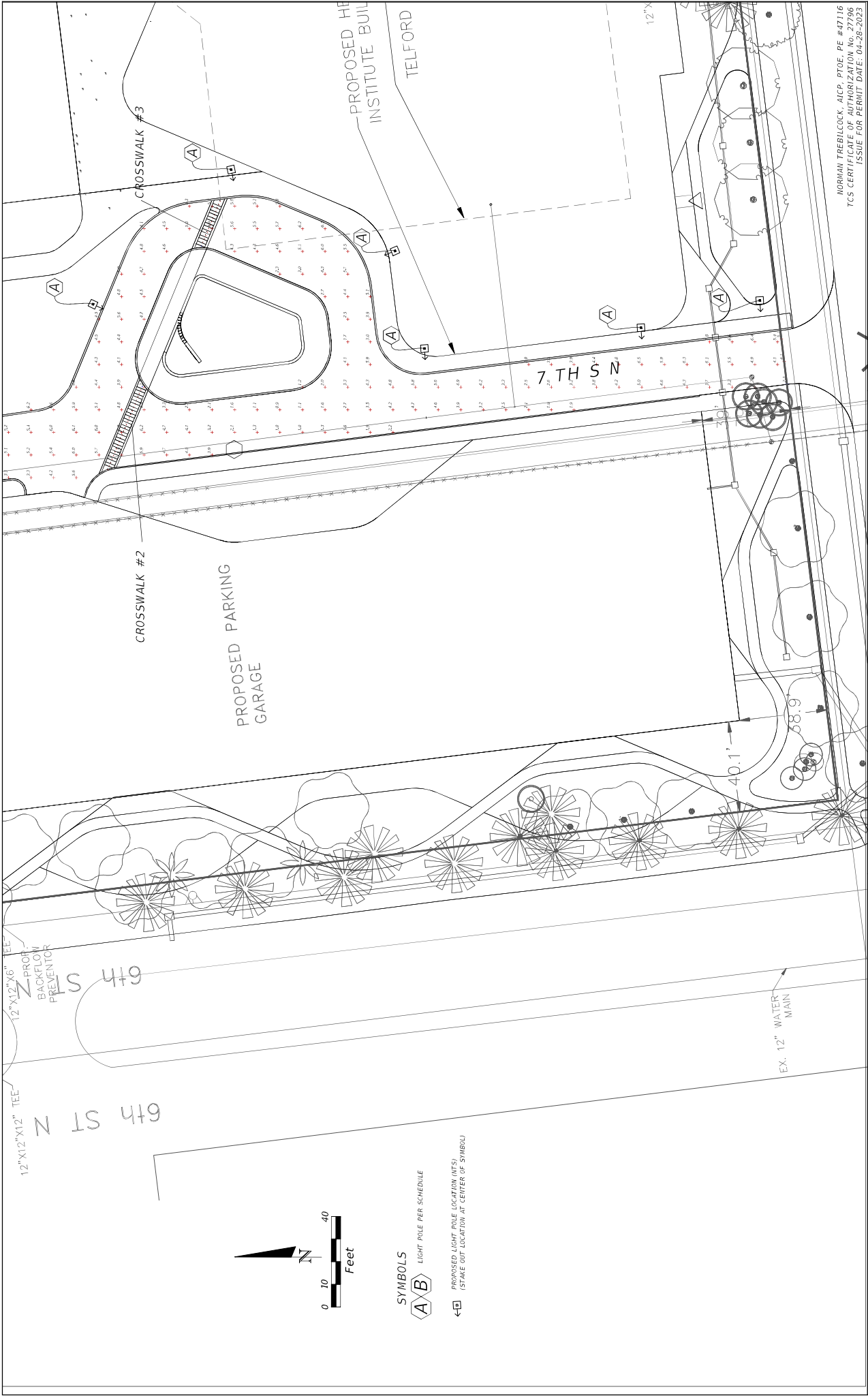
NORMAN TREBILCOCK, AICP, PTOE, PE #47116  
 T&S CERTIFICATE OF AUTHORIZATION No. 27796  
 ISSUE FOR PERMIT DATE: 04-28-2023

<b>PLAN SHEET</b>		SHEET NO.
		L-3

<b>NCH HEART VASCULAR &amp; STROKE INSTITUTE EXPANSION</b>		FINANCIAL PROJECT ID
ROAD NO.	COUNTY	COLLIER
NA	NA	NA

<b>TREBILCOCK CONSULTING SOLUTIONS</b>		2600 DAVIS BLVD SUITE 200 MAPLES FL 34104
4/27/2023 10:30:07 AM		

DATE	DESCRIPTION	DATE	DESCRIPTION



NORMAN TREBILCOCK, AICP, PTOE, PE #47116  
 TCS CERTIFICATE OF AUTHORIZATION No. 27796  
 ISSUE FOR PERMIT DATE: 04-26-2023

DATE	DESCRIPTION	DATE	DESCRIPTION

NCH HEART VASCULAR & STROKE INSTITUTE EXPANSION		FINANCIAL PROJECT ID	
ROAD NO.	COUNTY	COLLIER	NA
NA	COLLIER	NA	NA

<b>TREBILCOCK</b>		<b>PLAN SHEET</b>	
CONSULTING SOLUTIONS		SHEET NO.	
2600 DAVIS BLVD SUITE 200 MAPLES FL 34104		L-4	

4/27/2023 10:30:10 AM  
 Z:\Operations\Projects\2 City - Naples\NCH Heart Vascular & Stroke Inst Exp\_1.26.23\Lighting\NCH Lighting-04-26-2023.dwg