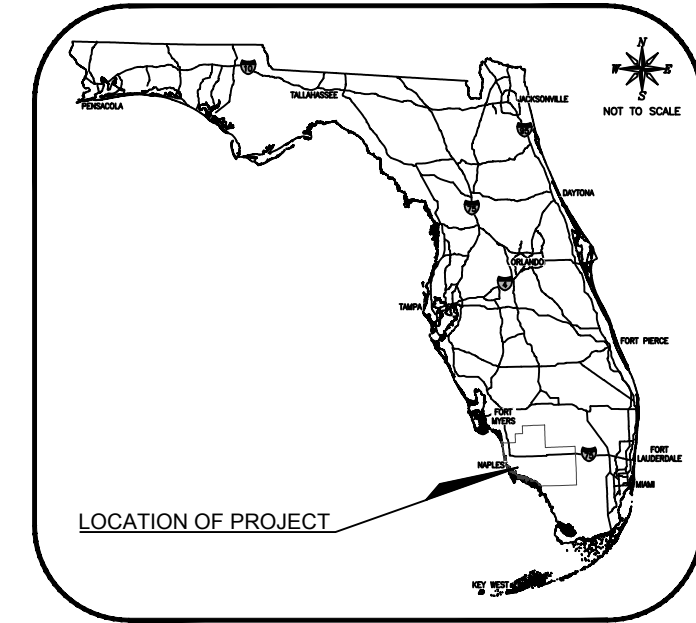


# CONTRACT PLANS

CITY OF NAPLES  
COLLIER COUNTY

8th Street Improvements

# LIGHTING PLANS



LOCATION OF PROJECT

## Index of Lighting Plans

Sheet No.	Description
L-1	KEY SHEET
L-2	TABULATION OF QUANTITIES
L-3	LIGHTING GENERAL NOTES AND LEGEND
L-4	POLE DATA
L-5	ELECTRIC SERVICE DETAILS
L6 THRU L-25	LIGHTING PLAN SHEETS

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALE DATA.

### GOVERNING DESIGN STANDARDS:

FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2016-17 DESIGN STANDARDS EBOOK (DS&B) AND APPLICABLE DESIGN STANDARDS REVISIONS (DSRs) AT THE FOLLOWING WEBSITE:  
<http://www.fdot.gov/roadway/DesignStandards/Standards.shtm>

### GOVERNING STANDARD SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, JULY 2016 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

Prepared by:

**HOLLIS ENGINEERING CONSULTANTS, INC.**

16900 Colony Lakes Boulevard  
Fort Myers, Florida 33908  
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Cell: (239) 560-6541

Certificate of Authorization No. 26048

CITY OF NAPLES PROJECT MANAGER: GREGG STRAKALUSE, P.E.

LIGHTING SHOP DRAWINGS TO BE SUBMITTED TO:

THOMAS E. HOLLIS, P. E.  
HOLLIS ENGINEERING CONSULTANTS, INC.  
16900 COLONY LAKES BOULEVARD  
FORT MYERS, FL 33908  
FLORIDA P.E. LICENSE NO. 12938  
CERTIFICATE OF AUTHORIZATION NO. 26048

### Revisions

Revision	Date	Description	By

100% PLANS

DATE: DECEMBER, 2018  
FILE NAME: 2018-004\_STLTS\_COVER.DWG  
JOB CODE: CND07  
DRAWING NUMBER 1 OF 25

SUBMITTAL  
100%

8th Street Improvements

TABULATION OF QUANTITIES														
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	SHEET NUMBERS										SUB TOTAL	
			L-6		L-7		L-8		L-9		L-10		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	518		610		341		354		661		2484	0
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	0		2		0		0		0		2	0
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF	1554		1830		1023		1062		1983		7452	0
715-516-115	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, POLE TOP MOUNT, ALUMINUM, CUSTOM HEIGHT	EA	5		6		3		5		4		23	0
715-7-11	LOAD CENTER, F&I SECONDARY VOLTAGE	EA	0		1		0		0		0		1	0

TABULATION OF QUANTITIES														
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	SHEET NUMBERS										SUB TOTAL	
			L-11		L-12		L-13		L-14		L-15		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	446		640		276		522		639		2523	0
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	0		0		0		0		0		0	0
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF	1338		1920		828		1566		1917		7569	0
715-516-115	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, POLE TOP MOUNT, ALUMINUM, CUSTOM HEIGHT	EA	4		5		3		5		3		20	0
715-7-11	LOAD CENTER, F&I SECONDARY VOLTAGE	EA	0		0		0		0		0		0	0

TABULATION OF QUANTITIES														
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	SHEET NUMBERS										SUB TOTAL	
			L-16		L-17		L-18		L-19		L-20		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	2114		588		551		646		343		4242	0
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	0		0		1		0		0		1	0
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF	6342		1764		1653		1938		1029		12726	0
715-516-115	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, POLE TOP MOUNT, ALUMINUM, CUSTOM HEIGHT	EA	6		4		8		4		5		27	0
715-7-11	LOAD CENTER, F&I SECONDARY VOLTAGE	EA	0		0		1		0		0		1	0

TABULATION OF QUANTITIES														
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	SHEET NUMBERS								SUB TOTAL		GRAND TOTAL	
			L-21		L-22		L-23		L-24		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	431		367		375		201		1374	0	10623	0
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	0		0		1		0		1	0	4	0
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF	1293		1101		1125		603		4122	0	31869	0
715-516-115	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, POLE TOP MOUNT, ALUMINUM, CUSTOM HEIGHT	EA	6		6		4		3		19	0	89	0
715-7-11	LOAD CENTER, F&I SECONDARY VOLTAGE	EA	0		0		0		0		0	0	2	0

**LEGEND**

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 N/A

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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 Phone: (239) 481-2385 Cell: (239) 560-6541

Certificate of Authorization No. 26048

*8th Street Improvements*

PLAN SHEET L-2  
 TABULATION OF QUANTITIES

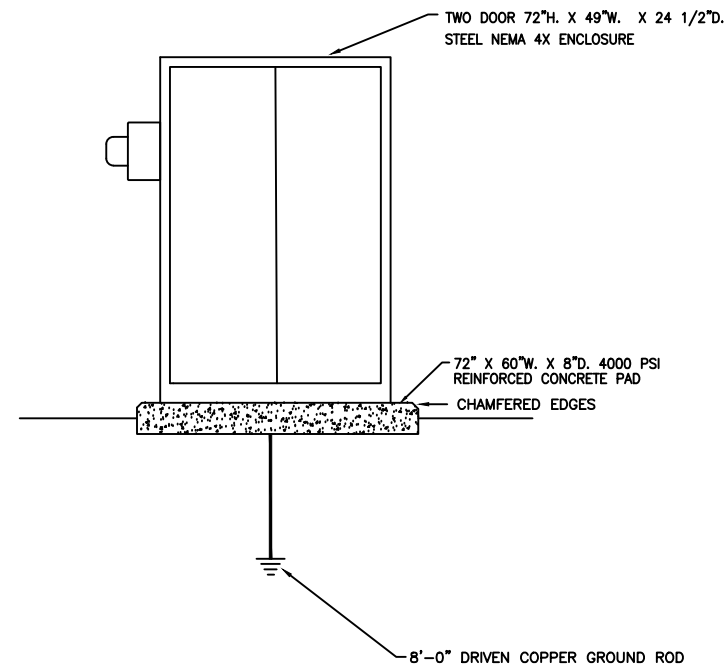
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

THOMAS E. HOLLIS, P.E.  
 FLORIDA P.E. LICENSE NO. 12938

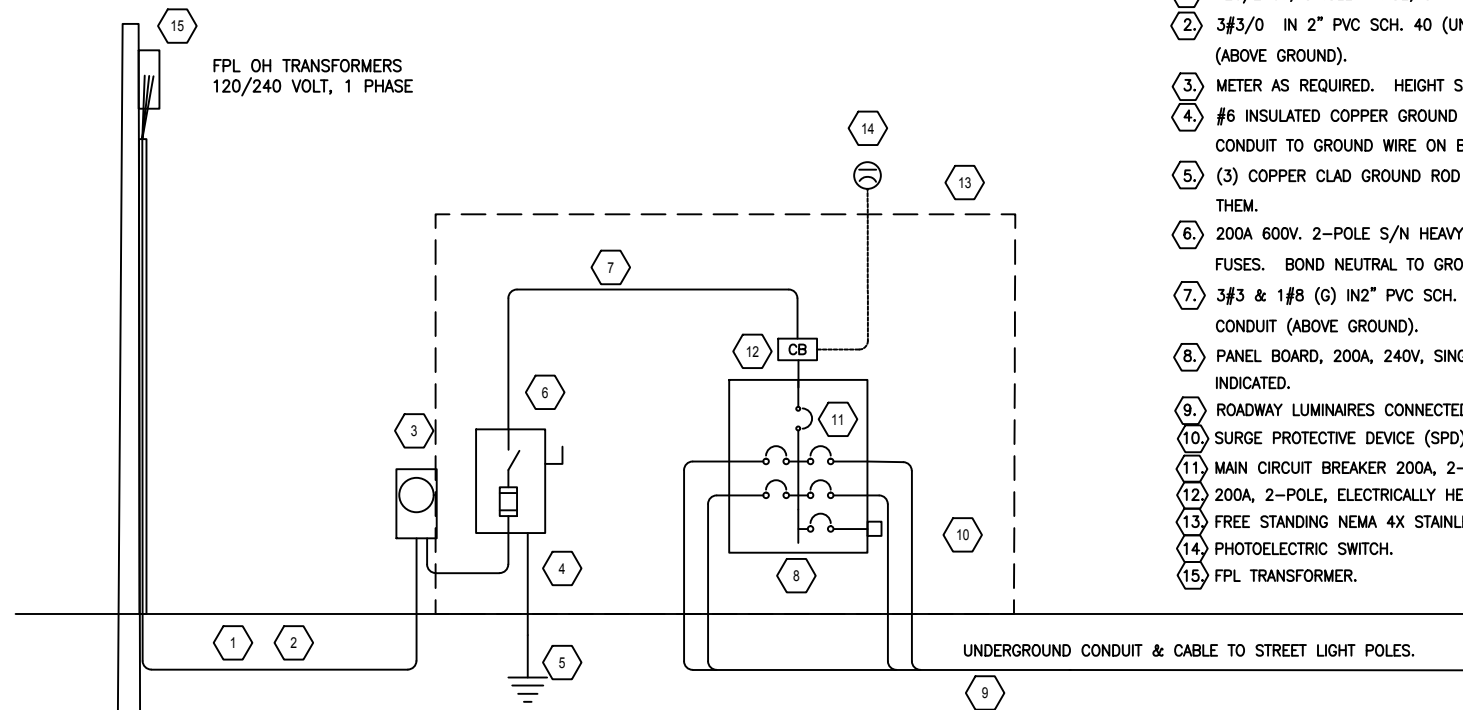
MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	2 OF 25







LOAD CENTER ENCLOSURE DETAIL



LOCATION NOTE:

1. NEW PANEL--8S3AS IS LOCATED AT THE NORTH WEST CORNER OF THE INTERSECTION OF 8TH STREET AND 3RD AVE SOUTH.
2. NEW PANEL--8S4AN IS LOCATED AT THE NORTH WEST CORNER OF THE INTERSECTION OF 8TH STREET AND 4TH AVE NORTH.

ONE LINE DIAGRAM

KEYED NOTES:

1. 120/240V, SINGLE PHASE, 3 WIRE FPL ELECTRIC SERVICE.
2. 3#3/0 IN 2" PVC SCH. 40 (UNDERGROUND) OR 2" RIGID GALVANIZED STEEL CONDUIT (ABOVE GROUND).
3. METER AS REQUIRED. HEIGHT SPECIFIED BY FPL.
4. #6 INSULATED COPPER GROUND WIRE IN 3/4" RIGID GALVANIZED STEEL CONDUIT. GROUND CONDUIT TO GROUND WIRE ON BOTH ENDS PER NEC.
5. (3) COPPER CLAD GROUND ROD 5/8" DIA, 20' LONG, 6' MINIMUM SEPARATION BETWEEN THEM.
6. 200A 600V. 2-POLE S/N HEAVY DUTY NEMA 3R FUSED SAFETY SWITCH WITH 200A FUSES. BOND NEUTRAL TO GROUND WITH #6 AWG BONDING JUMPER.
7. 3#3 & 1#8 (G) IN 2" PVC SCH. 40 (UNDERGROUND) OR RIGID GALVANIZED STEEL CONDUIT (ABOVE GROUND).
8. PANEL BOARD, 200A, 240V, SINGLE PHASE, WITH CIRCUIT BREAKERS AND GROUND BAR AS INDICATED.
9. ROADWAY LUMINAIRES CONNECTED TO CIRCUIT AS SHOWN.
10. SURGE PROTECTIVE DEVICE (SPD) MOUNTED IN PANEL.
11. MAIN CIRCUIT BREAKER 200A, 2-POLE, 240V.
12. 200A, 2-POLE, ELECTRICALLY HELD CONTACTOR.
13. FREE STANDING NEMA 4X STAINLESS STEEL ENCLOSURE WITH TWO DOORS.
14. PHOTOELECTRIC SWITCH.
15. FPL TRANSFORMER.

NOMINAL SYSTEM VOLTAGE: 240/120V -1Ø		MANUFACTURER: SQUARE D		LOCATION: 8TH STREET & 3RD AVE S	
MAIN LUGS: 200 AMP		TYPE: QO		FED FROM: FPL OH TRANSFORMERS	
MAIN CB: 200 AMP		CIRCUIT BREAKER TYPE: QO			
AVAILABLE FAULT CURRENT: 9937 AMP		MOUNTING / ENCLOSURE: NEMA 3R			
C.B. INTERRUPTING RATING: 10,000 AMP		REMARKS:			

LOAD -VA		CKT NO	LOAD DESCRIPTION	CB POLES	CB AMPS	WIRE SIZE	WIRE		CB AMPS	CB POLES	LOAD DESCRIPTION	CKT NO	LOAD -VA	
A	B						A	B					A	B
585	X	1	STREET LIGHTS	1	20	#8	*	-	-	-	STREET LIGHTS	2	900	X
X	585	3	STREET LIGHTS	1	20	#8	*	-	-	-	SPACE	4	X	900
	X	5	SPACE	-	-	-	*	-	-	-	SPACE	6		X
X		7	SPACE	-	-	-	*	-	-	-	SPACE	8	X	
0	X	9	SURGE PROTECTION	1	20	#12	*	-	-	-	SPACE	10		X
X	0	11	SURGE PROTECTION	1	20	#12	*	-	-	-	SPACE	12	X	
585	585												900	900

<b>CONNECTED LOAD, VA:</b>		<b>ESTIMATED DEMAND, AMPS:</b>		<b>FEEDER:</b>	
PHASE A:	1,485.00	VOLTAGE:	240	LINE CONDUCTORS:	(2) #3/0 CU
PHASE B:	1,485.00	PHASE:	1	NEUTRAL:	(1) #3/0 CU
TOTAL CONNECTED LOAD, VA:	2,970.00	FACTOR:	1.00	GROUNDING CONDUCTOR:	#6 CU
		DEMAND, AMPS:	12.4	CONDUIT DIAMETER:	2"

NOMINAL SYSTEM VOLTAGE: 240/120V -1Ø		MANUFACTURER: SQUARE D		LOCATION: 8TH STREET & 4TH AVE N	
MAIN LUGS: 200 AMP		TYPE: QO		FED FROM: FPL OH TRANSFORMERS	
MAIN CB: 200 AMP		CIRCUIT BREAKER TYPE: QO			
AVAILABLE FAULT CURRENT: 9937 AMP		MOUNTING / ENCLOSURE: NEMA 3R			
C.B. INTERRUPTING RATING: 10,000 AMP		REMARKS:			

LOAD -VA		CKT NO	LOAD DESCRIPTION	CB POLES	CB AMPS	WIRE SIZE	WIRE		CB AMPS	CB POLES	LOAD DESCRIPTION	CKT NO	LOAD -VA	
A	B						A	B					A	B
765	X	1	STREET LIGHTS	1	20	#8	*	-	-	-	STREET LIGHTS	2	585	X
X	765	3	STREET LIGHTS	1	20	#8	*	-	-	-	SPACE	4	X	585
1170	X	5	SPACE	-	-	-	*	-	-	-	SPACE	6		X
X	1170	7	SPACE	-	-	-	*	-	-	-	SPACE	8	X	
0	X	9	SURGE PROTECTION	1	20	#12	*	-	-	-	SPACE	10		X
X	0	11	SURGE PROTECTION	1	20	#12	*	-	-	-	SPACE	12	X	
1935	1935												585	585

<b>CONNECTED LOAD, VA:</b>		<b>ESTIMATED DEMAND, AMPS:</b>		<b>FEEDER:</b>	
PHASE A:	2,520.00	VOLTAGE:	240	LINE CONDUCTORS:	(2) #3/0 CU
PHASE B:	2,520.00	PHASE:	1	NEUTRAL:	(1) #3/0 CU
TOTAL CONNECTED LOAD, VA:	5,040.00	FACTOR:	1.00	GROUNDING CONDUCTOR:	#6 CU
		DEMAND, AMPS:	21.0	CONDUIT DIAMETER:	2"

LEGEND

DESIGNED BY:	TEH		
DRAWN BY:	TEH		
APPROVED:	TEH		
JOB CODE:	CN007		
SCALE:	11x17 N/A		
Revision	Date	Description	By

HOLLIS ENGINEERING CONSULTANTS, INC.

16900 Colony Lakes Boulevard Fort Myers, Florida 33908  
Phone: (239) 481-2385 Cell: (239) 560-6541

Certificate of Authorization No. 26048

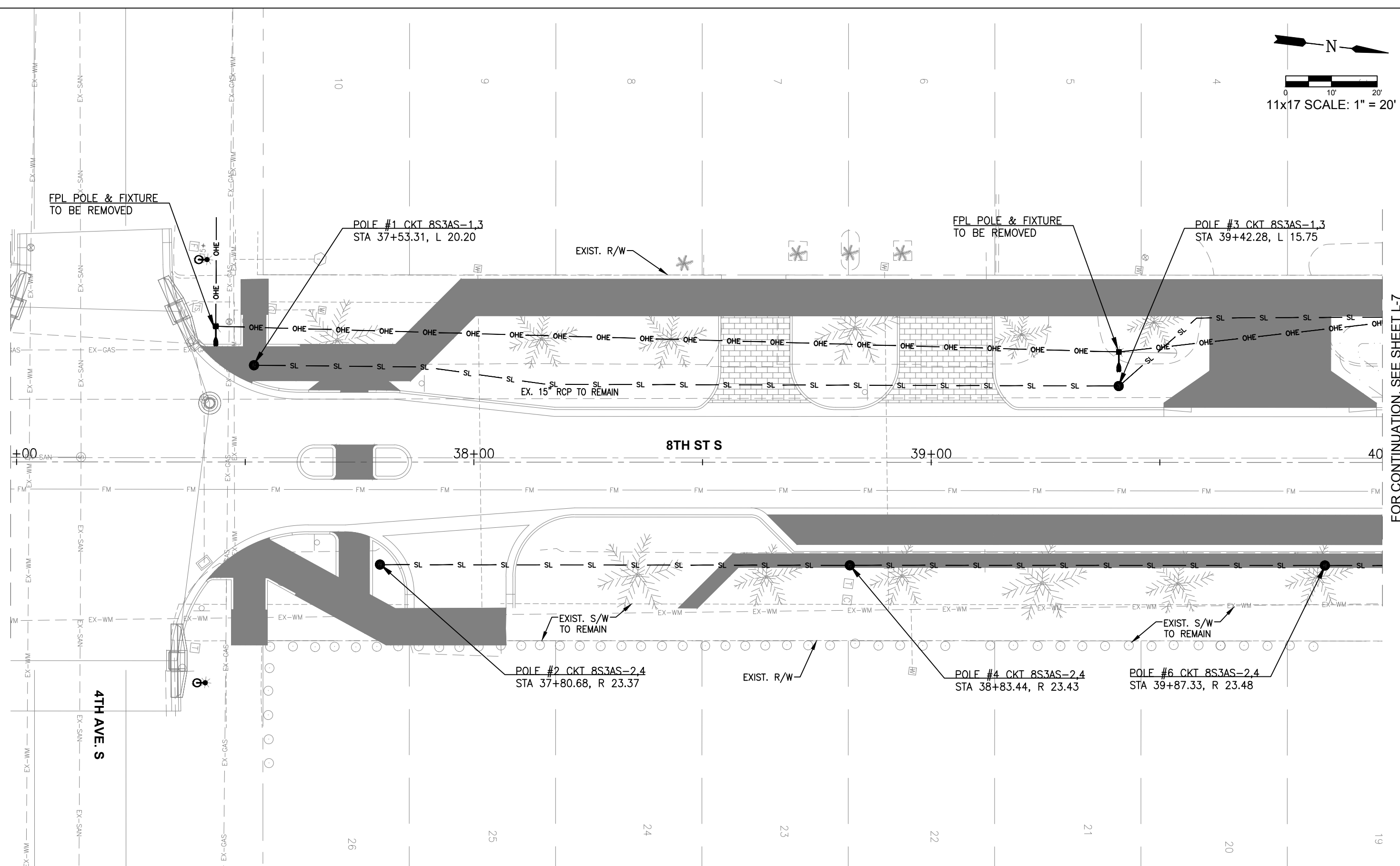
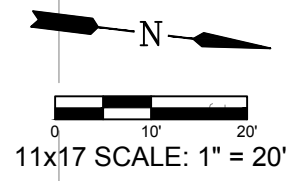
8th Street Improvements

PLAN SHEET L-5  
ELECTRICAL SERVICE DETAILS

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

THOMAS E. HOLLIS, P.E.  
FLORIDA P.E. LICENSE NO. 12938

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	5 OF 25



FOR CONTINUATION, SEE SHEET L-7

**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6\"/>

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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 Phone: (239) 481-2385 Cell: (239) 560-6541

Certificate of Authorization No. 26048

*8th Street Improvements*

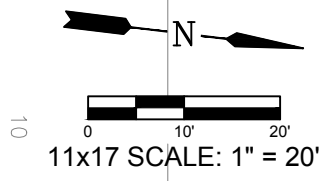
PLAN SHEET - L-6

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S& 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	6 OF 25

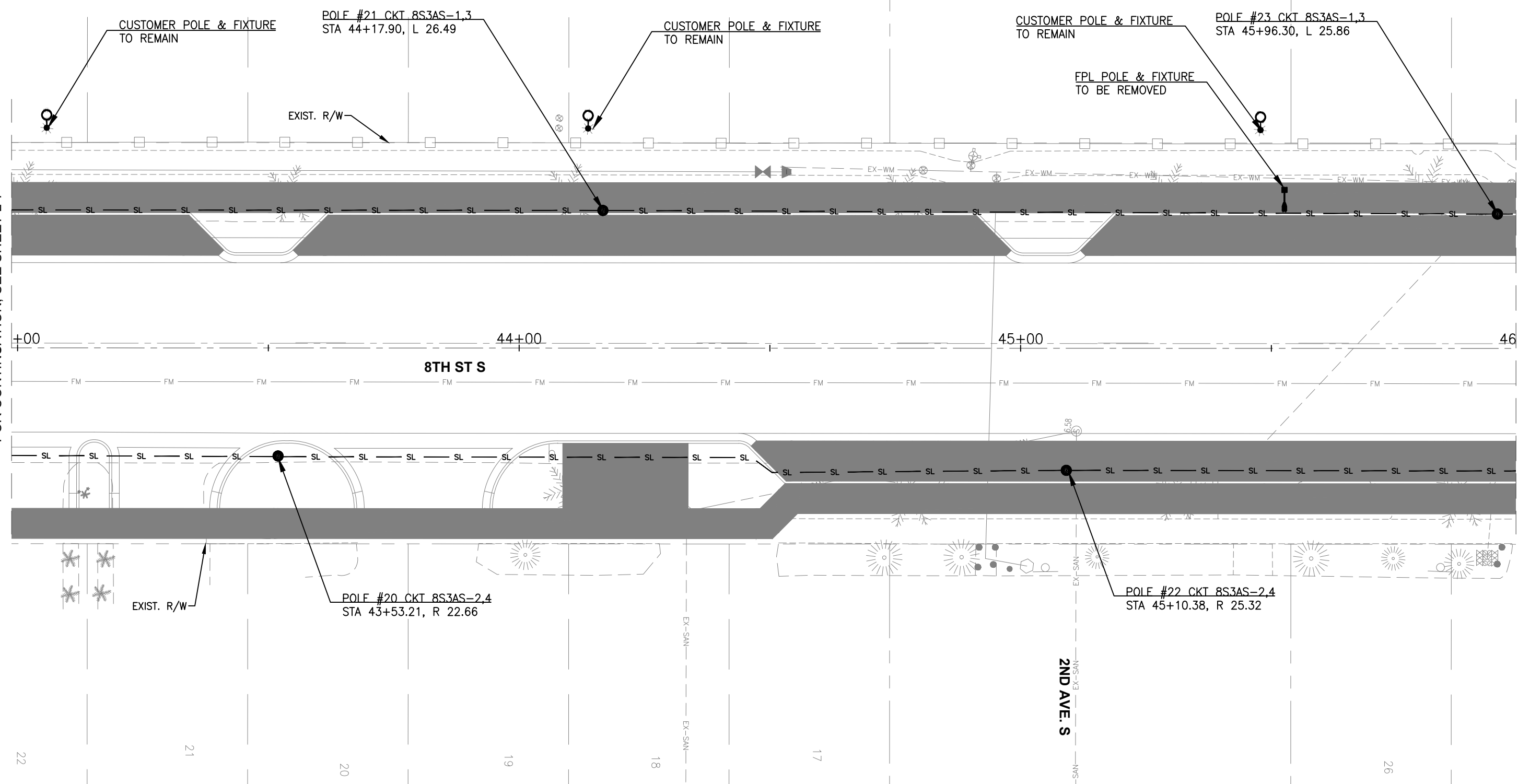
THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

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FOR CONTINUATION, SEE SHEET L-7

FOR CONTINUATION, SEE SHEET L-11



LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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Certificate of Authorization No. 26048

*8th Street Improvements*

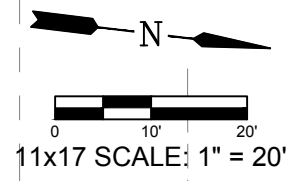
PLAN SHEET L-10

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88) CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC./TWN./RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET 10 OF 25	

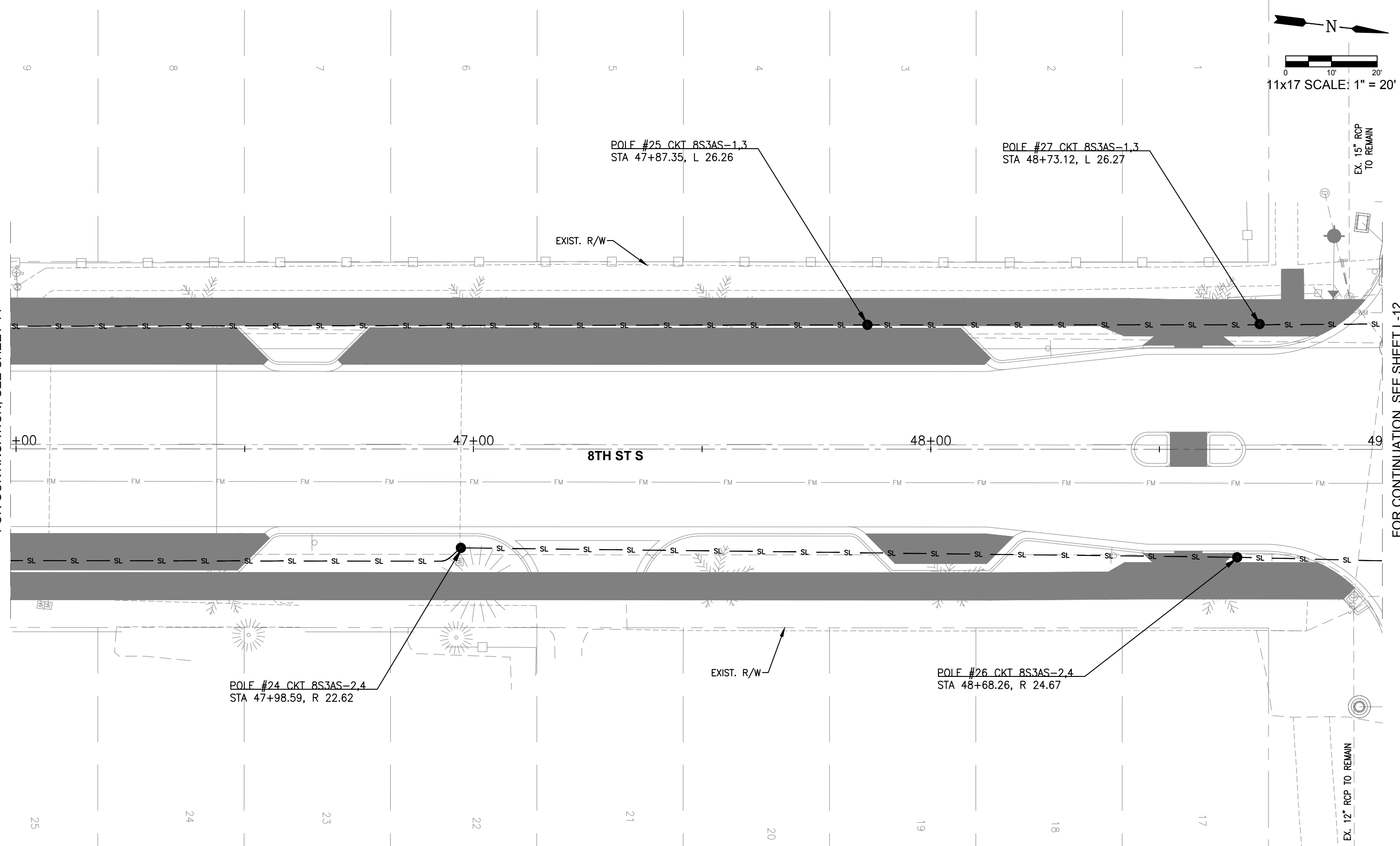
THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

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FOR CONTINUATION, SEE SHEET 14

FOR CONTINUATION, SEE SHEET L-12



LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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*8th Street Improvements*

PLAN SHEET L-11

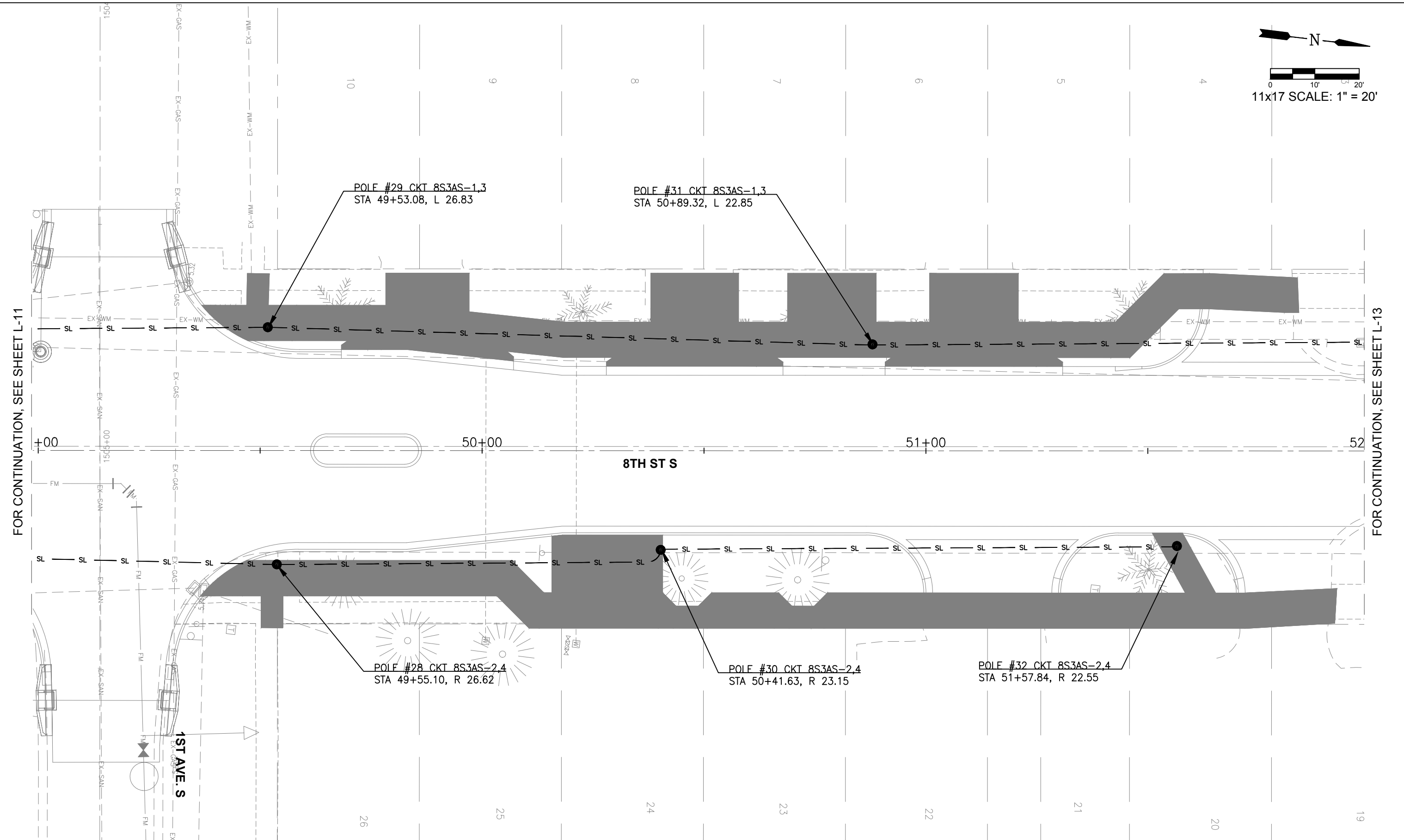
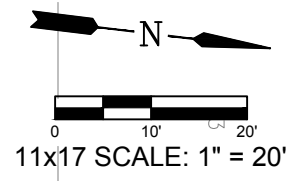
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC./TWN./RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	11 OF 25

THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

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**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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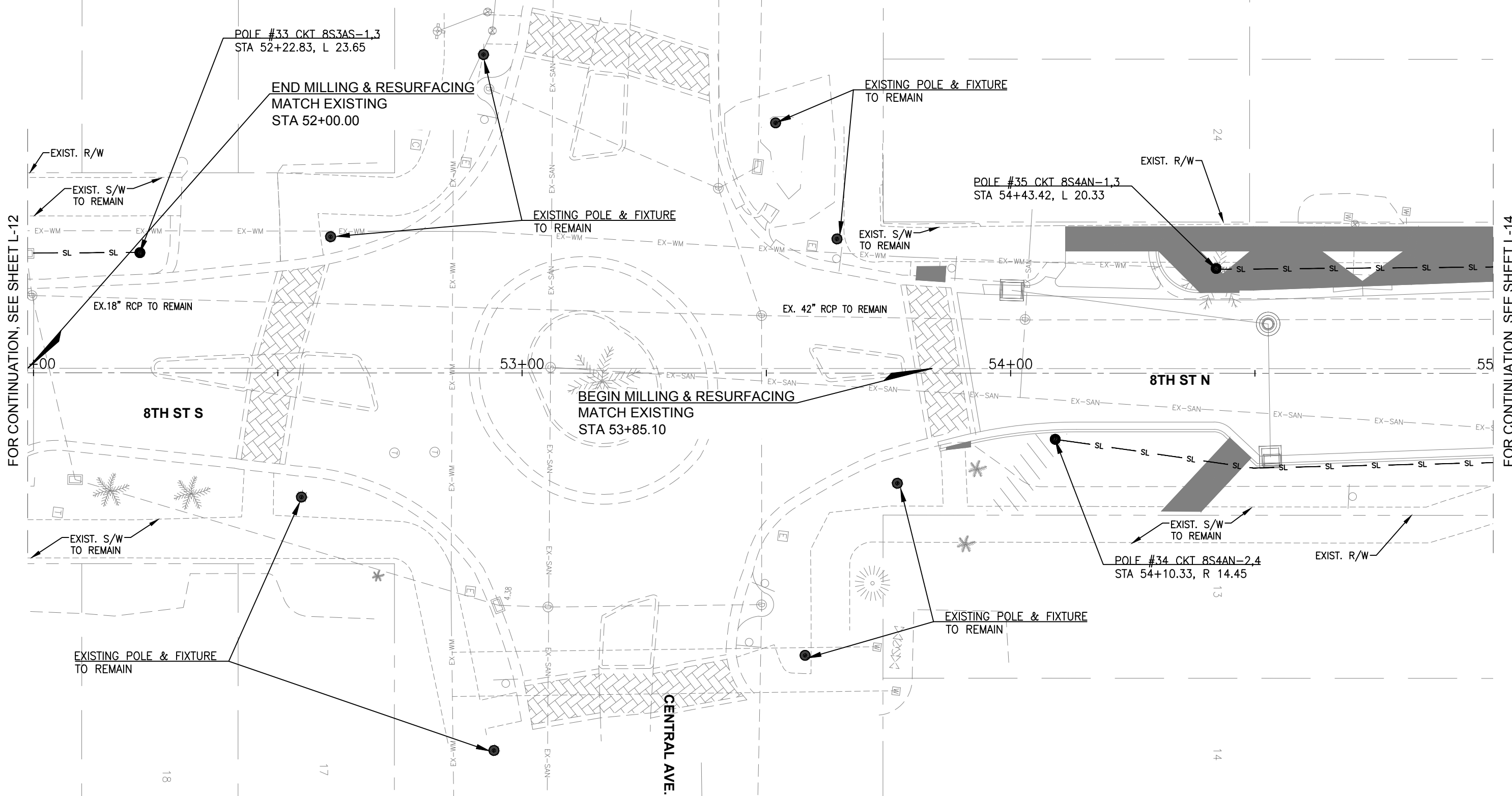
*8th Street Improvements*

PLAN SHEET L-12

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88)  
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 FLORIDA P.E. LICENCE NO. 12938

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	12 OF 25



FOR CONTINUATION, SEE SHEET L-12

FOR CONTINUATION, SEE SHEET L-14

LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

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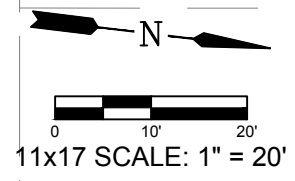
PLAN SHEET L-13

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 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC./TWN./RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	13 OF 25

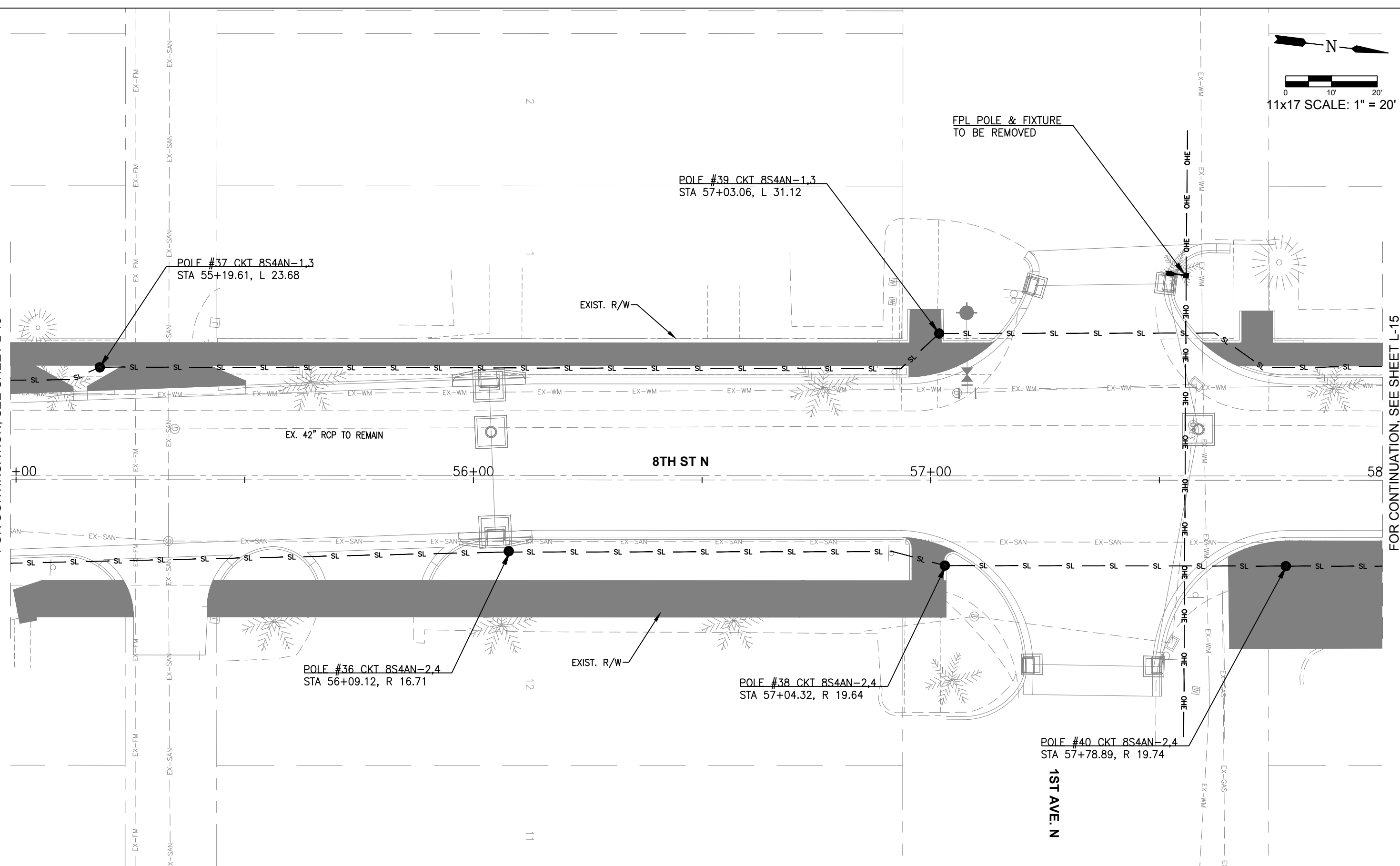
THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

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FOR CONTINUATION, SEE SHEET L-13

FOR CONTINUATION, SEE SHEET L-15



**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

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Certificate of Authorization No. 26048

*8th Street Improvements*

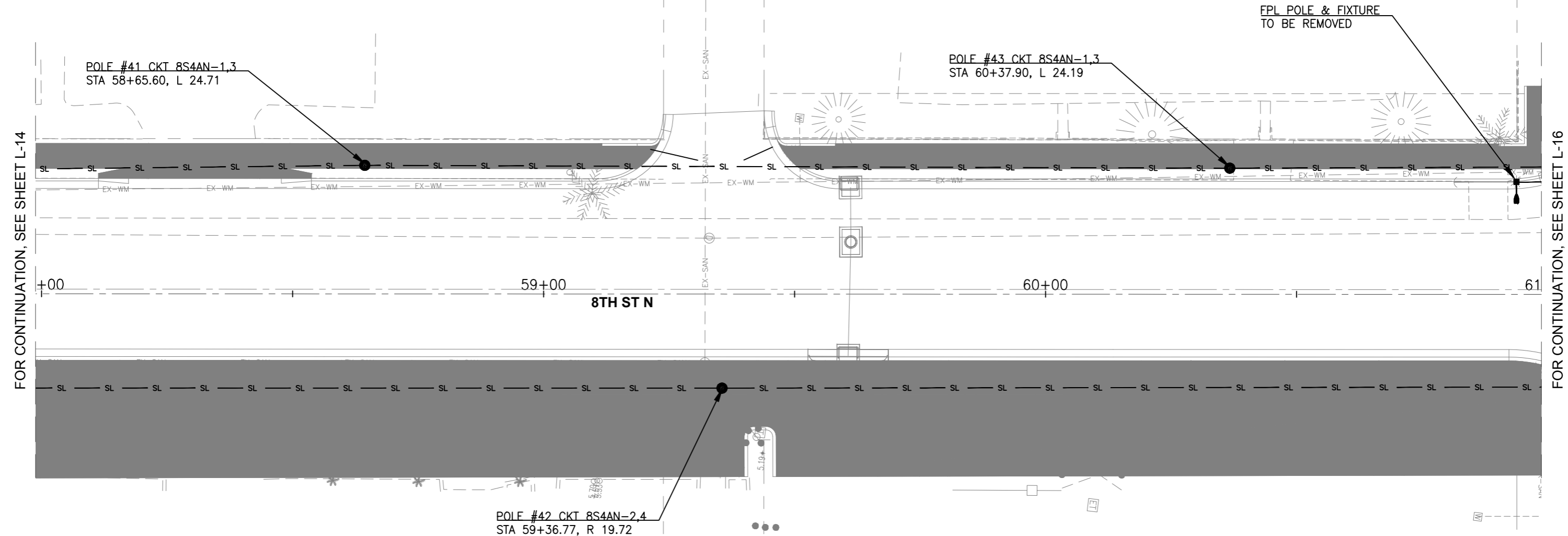
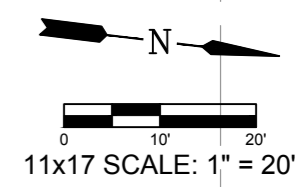
PLAN SHEET L-14

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC./TWN./RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	14 OF 25

THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

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FOR CONTINUATION, SEE SHEET L-14

FOR CONTINUATION, SEE SHEET L-16

**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**  
 16900 Colony Lakes Boulevard Fort Myers, Florida 33908  
 Phone: (239) 481-2385 Cell: (239) 560-6541  
 Certificate of Authorization No. 26048

*8th Street Improvements*  
 PLAN SHEET L-15  
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

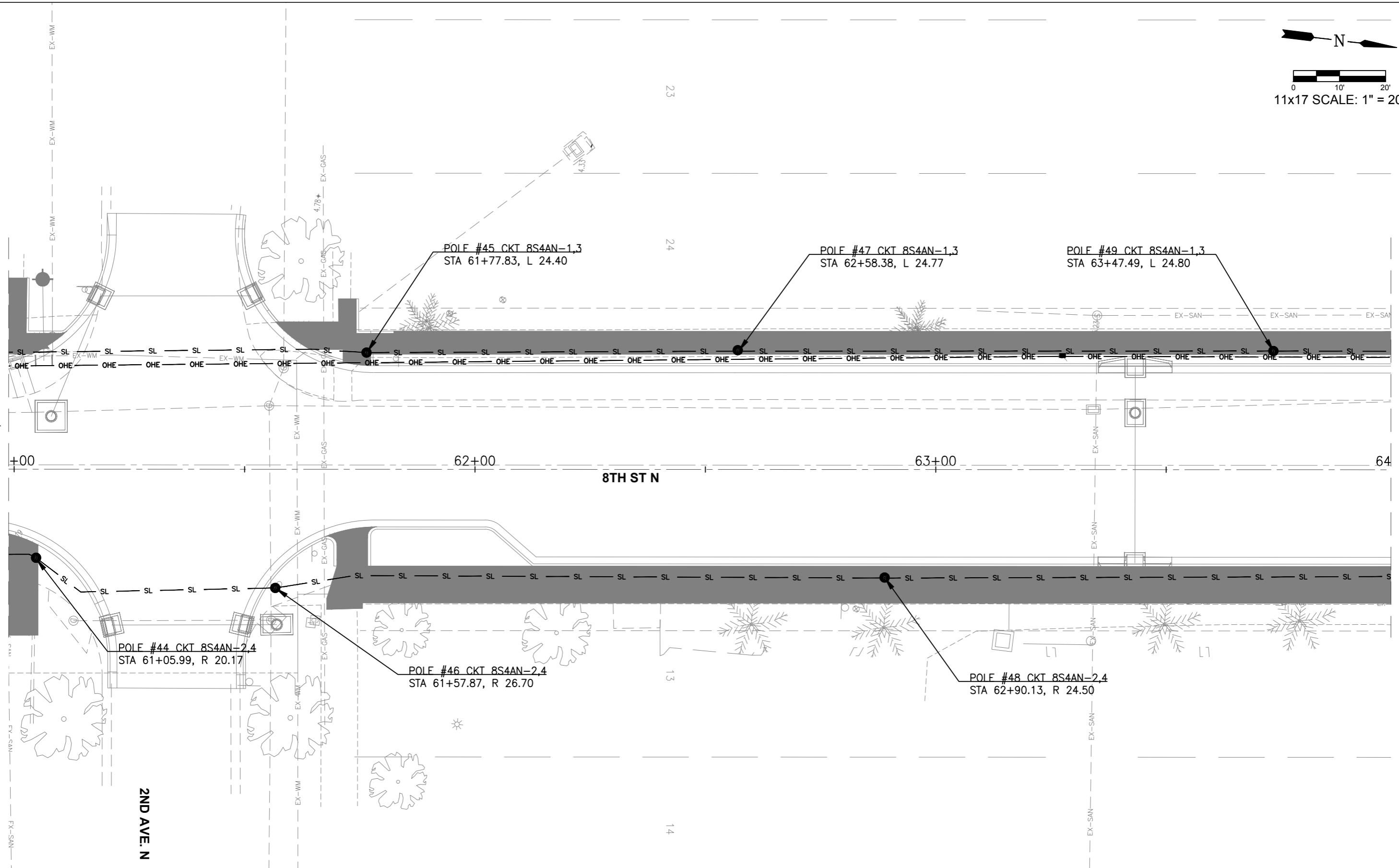
THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

MUNICIPALITY:  
 CITY OF NAPLES  
 SEC/TWN/RGE:  
 34/49S & 3/50S/25E  
 DATE:  
 DECEMBER, 2018  
 SUBMITTAL TYPE:  
 100% PLANS  
 SHEET 15 OF 25



FOR CONTINUATION, SEE SHEET L-15

FOR CONTINUATION, SEE SHEET L-17



LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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 Phone: (239) 481-2385      Cell: (239) 560-6541

Certificate of Authorization No. 26048

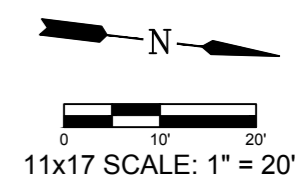
*8th Street Improvements*

PLAN SHEET L-16

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

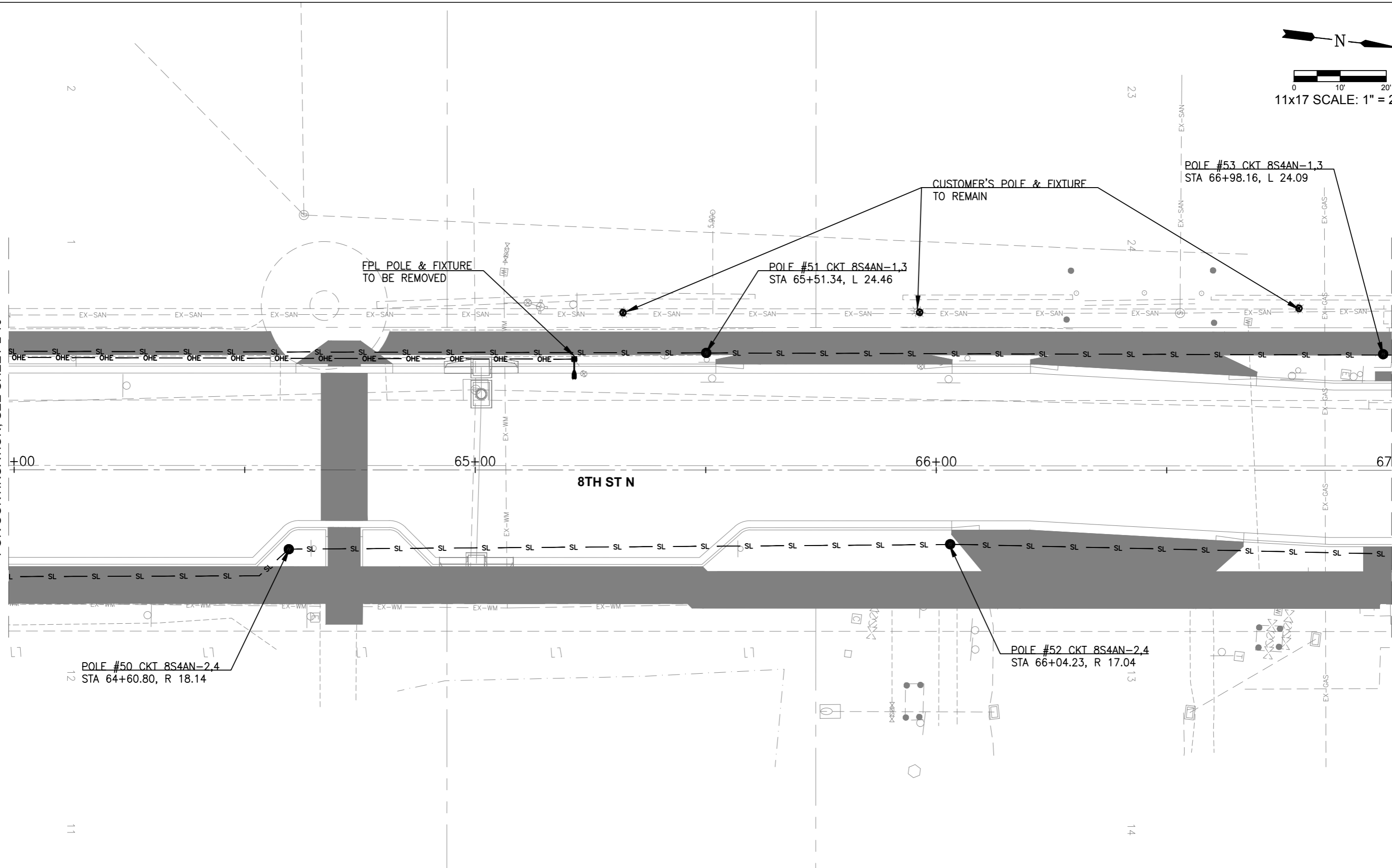
THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

MUNICIPALITY:	CITY OF NAPLES
SBC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	16 OF 25



FOR CONTINUATION, SEE SHEET L-16

FOR CONTINUATION, SEE SHEET L-18



LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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 Phone: (239) 481-2385 Cell: (239) 560-6541

Certificate of Authorization No. 26048

*8th Street Improvements*

PLAN SHEET L-17

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

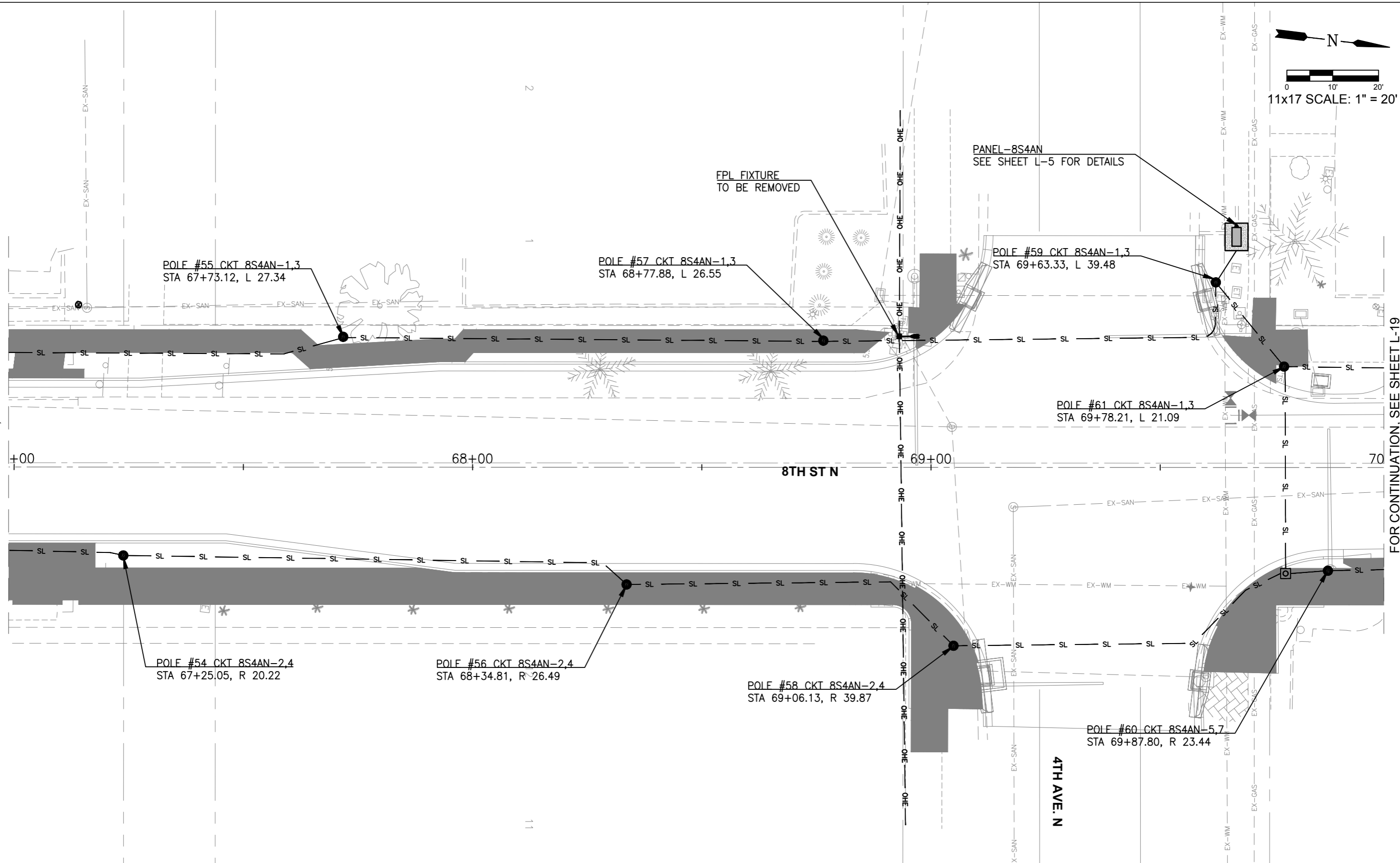
THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

MUNICIPALITY:	CITY OF NAPLES
SBC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	17 OF 25



FOR CONTINUATION, SEE SHEET L-17

FOR CONTINUATION, SEE SHEET L-19



POLE #55 CKT 8S4AN-1,3  
STA 67+73.12, L 27.34

POLE #57 CKT 8S4AN-1,3  
STA 68+77.88, L 26.55

PANEL-8S4AN  
SEE SHEET L-5 FOR DETAILS

POLE #59 CKT 8S4AN-1,3  
STA 69+63.33, L 39.48

POLE #61 CKT 8S4AN-1,3  
STA 69+78.21, L 21.09

POLE #54 CKT 8S4AN-2,4  
STA 67+25.05, R 20.22

POLE #56 CKT 8S4AN-2,4  
STA 68+34.81, R 26.49

POLE #58 CKT 8S4AN-2,4  
STA 69+06.13, R 39.87

POLE #60 CKT 8S4AN-5,7  
STA 69+87.80, R 23.44

**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6\"/>
	PROPOSED 4\"/>
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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Certificate of Authorization No. 26048

*8th Street Improvements*

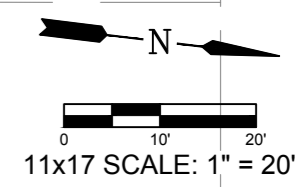
PLAN SHEET L-18

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

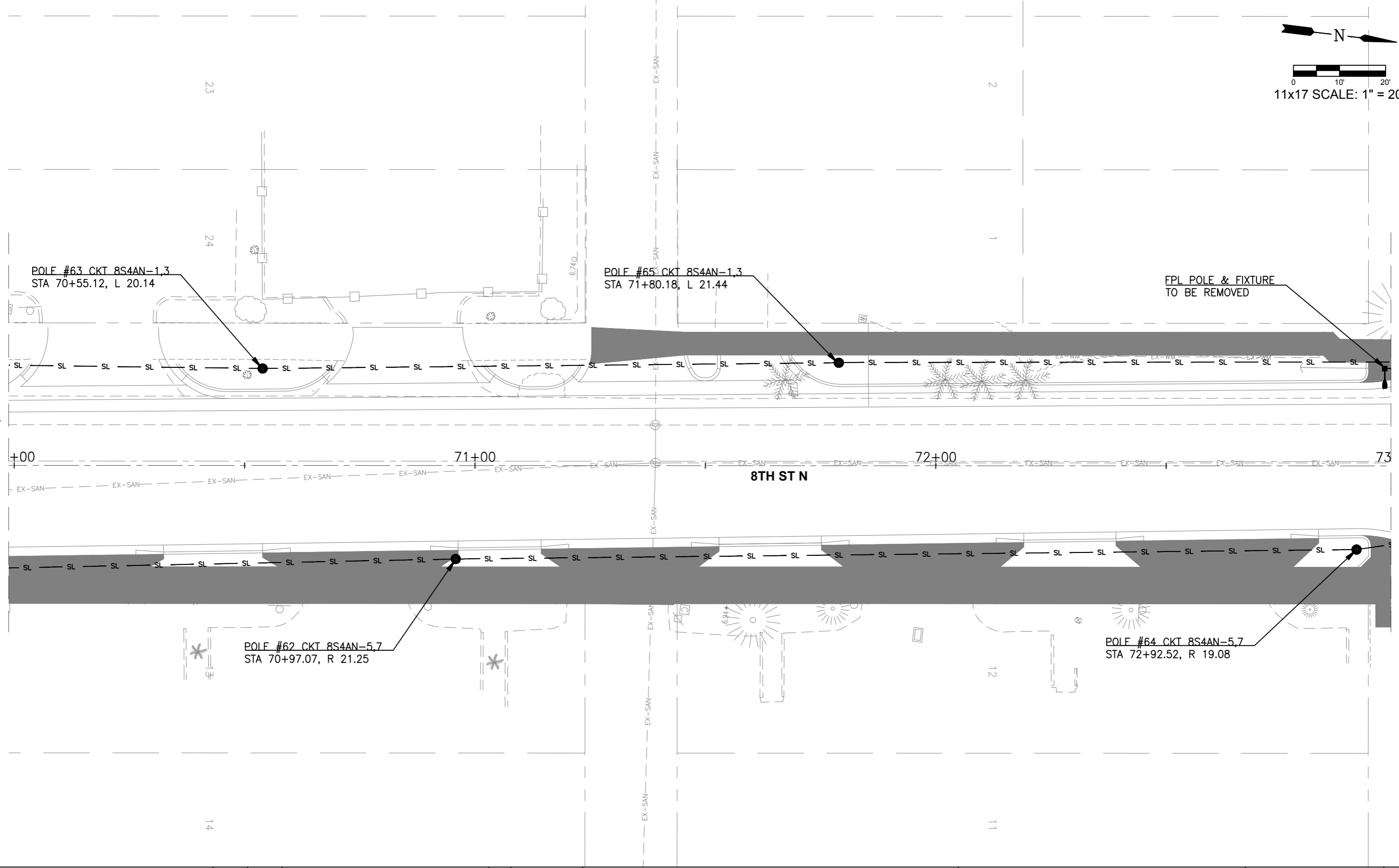
MUNICIPALITY:  
 CITY OF NAPLES  
 SEC/TWN/RGE:  
 34/49S & 3/50S/25E  
 DATE:  
 DECEMBER, 2018  
 SUBMITTAL TYPE:  
 100% PLANS  
 SHEET 18 OF 25

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FOR CONTINUATION, SEE SHEET L-18

FOR CONTINUATION, SEE SHEET L-20



LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

16900 Colony Lakes Boulevard      Fort Myers, Florida 33908  
 Phone: (239) 481-2385      Cell: (239) 560-6541

Certificate of Authorization No. 26048

*8th Street Improvements*

PLAN SHEET L-19

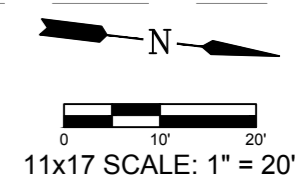
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

MUNICIPALITY:	CITY OF NAPLES
SBC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET 19 OF 25	

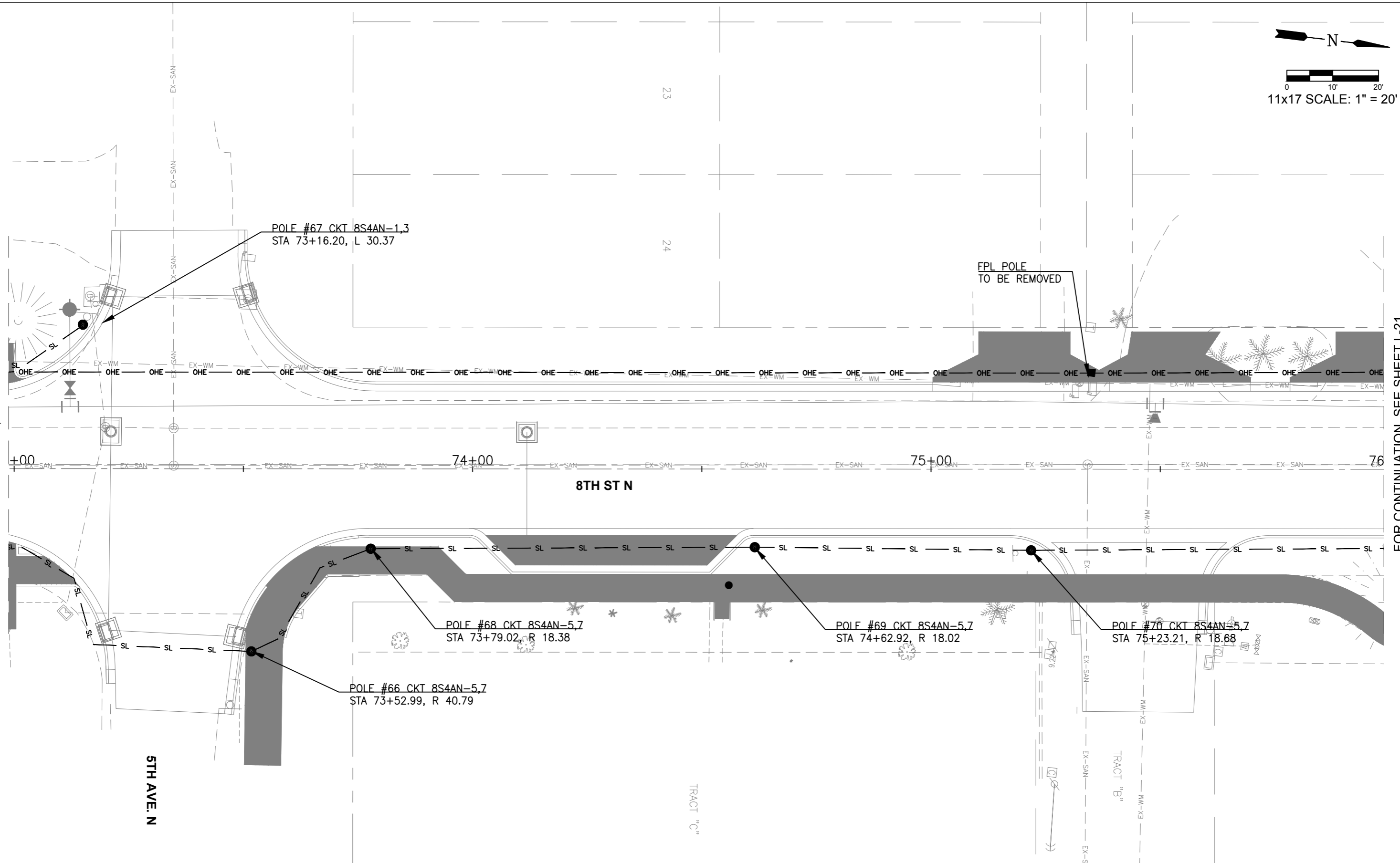
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FOR CONTINUATION, SEE SHEET L-19

FOR CONTINUATION, SEE SHEET L-21



**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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Certificate of Authorization No. 26048

*8th Street Improvements*

PLAN SHEET L-20

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
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THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

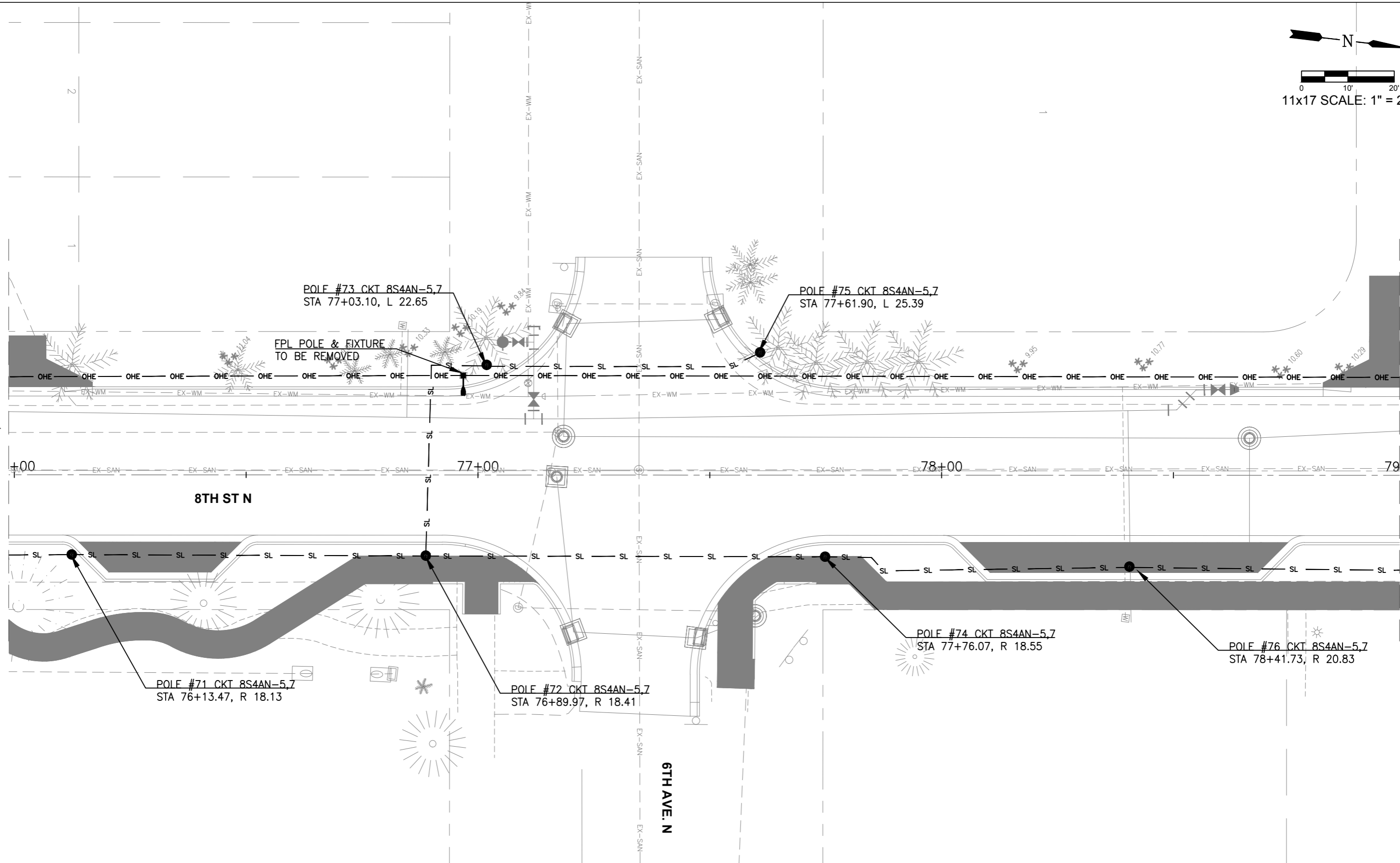
MUNICIPALITY:  
 CITY OF NAPLES  
 SEC/TWN/RGE:  
 34/49S & 3/50S/25E  
 DATE:  
 DECEMBER, 2018  
 SUBMITTAL TYPE:  
 100% PLANS  
 SHEET 20 OF 25

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FOR CONTINUATION, SEE SHEET L-20

FOR CONTINUATION, SEE SHEET L-22



**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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*8th Street Improvements*

PLAN SHEET L-21

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

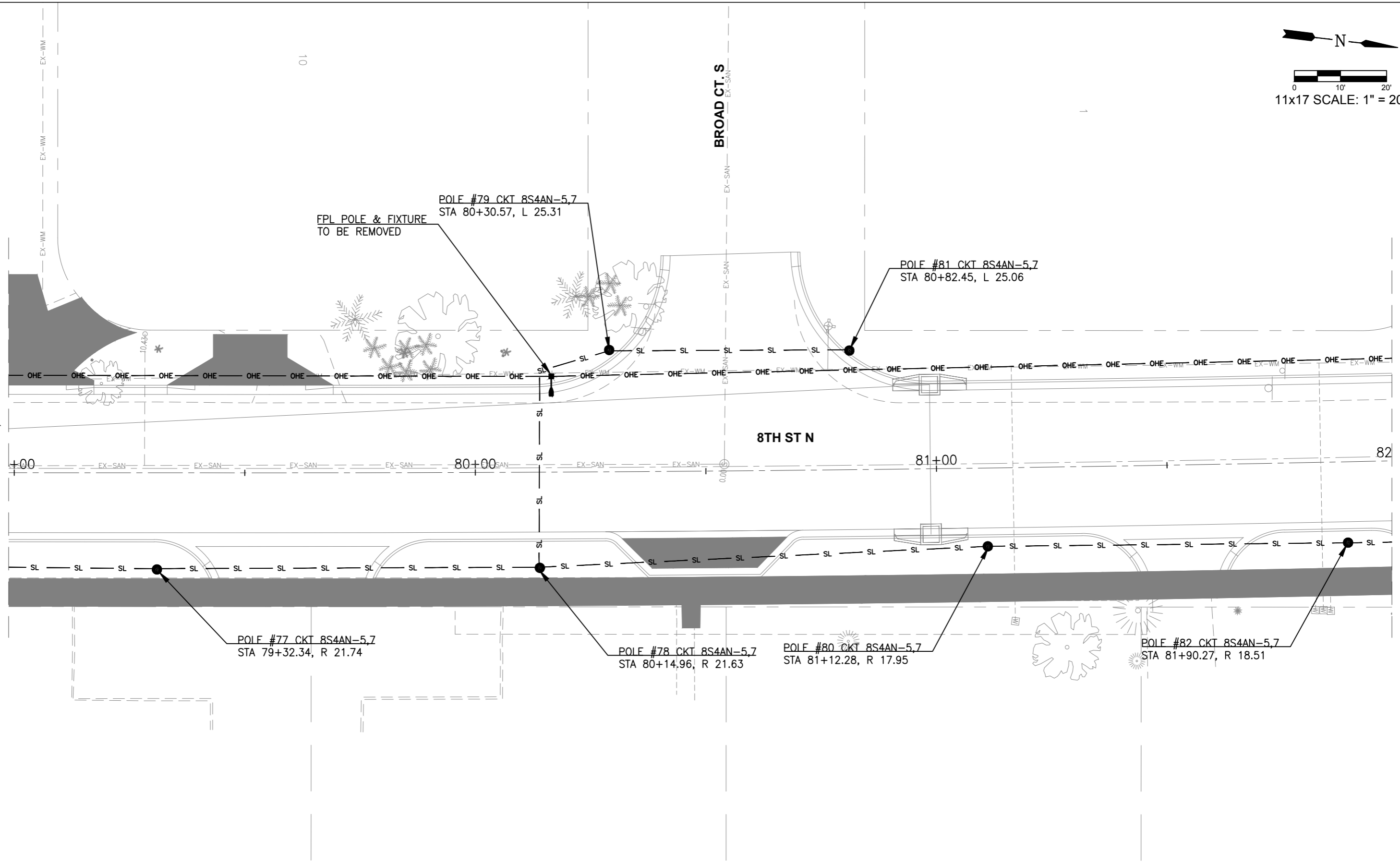
MUNICIPALITY:	CITY OF NAPLES
SBC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	21 OF 25

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FOR CONTINUATION, SEE SHEET L-21

FOR CONTINUATION, SEE SHEET L-23



LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

16900 Colony Lakes Boulevard      Fort Myers, Florida 33908  
 Phone: (239) 481-2385      Cell: (239) 560-6541

Certificate of Authorization No. 26048

*8th Street Improvements*

PLAN SHEET L-22

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

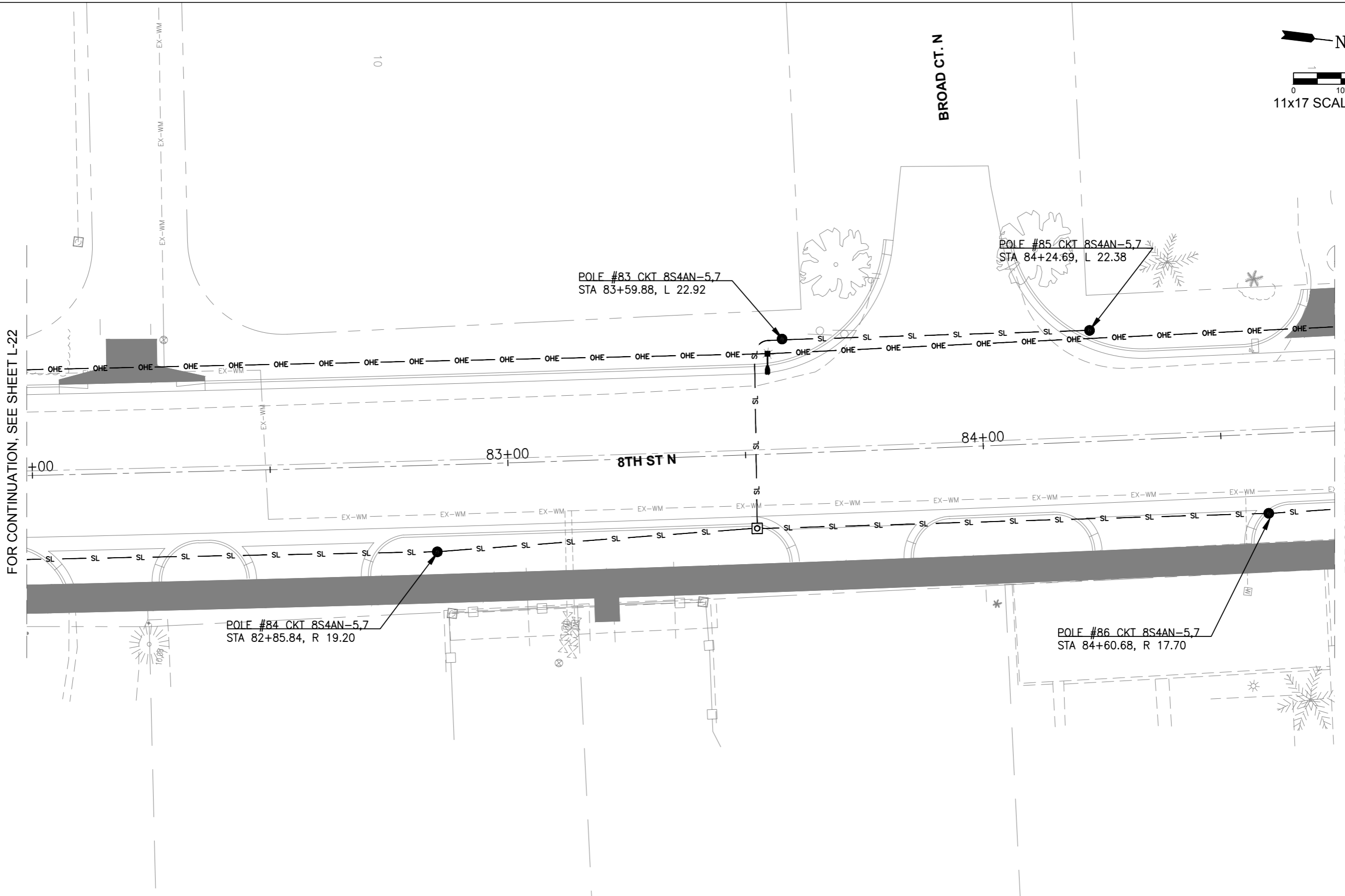
THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

MUNICIPALITY:	CITY OF NAPLES
SUBMITTAL TYPE:	100% PLANS
DATE:	DECEMBER, 2018
SHEET	22 OF 25



FOR CONTINUATION, SEE SHEET L-22

FOR CONTINUATION, SEE SHEET L-25



**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

16900 Colony Lakes Boulevard Fort Myers, Florida 33908  
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Certificate of Authorization No. 26048

*8th Street Improvements*

PLAN SHEET L-23

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

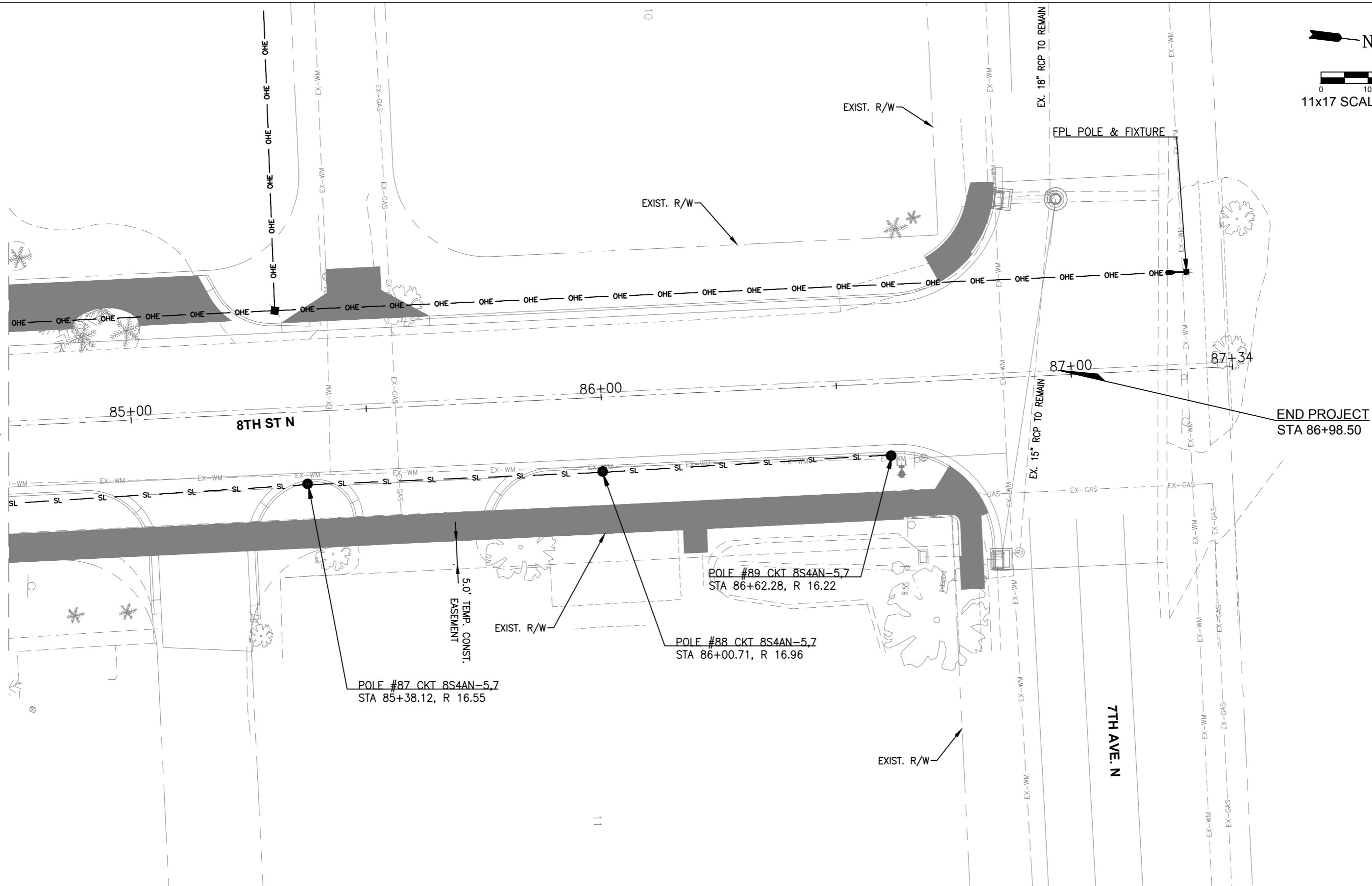
THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

MUNICIPALITY:	CITY OF NAPLES
SBC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	23 OF 25

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FOR CONTINUATION, SEE SHEET L-23



**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**

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*8th Street Improvements*

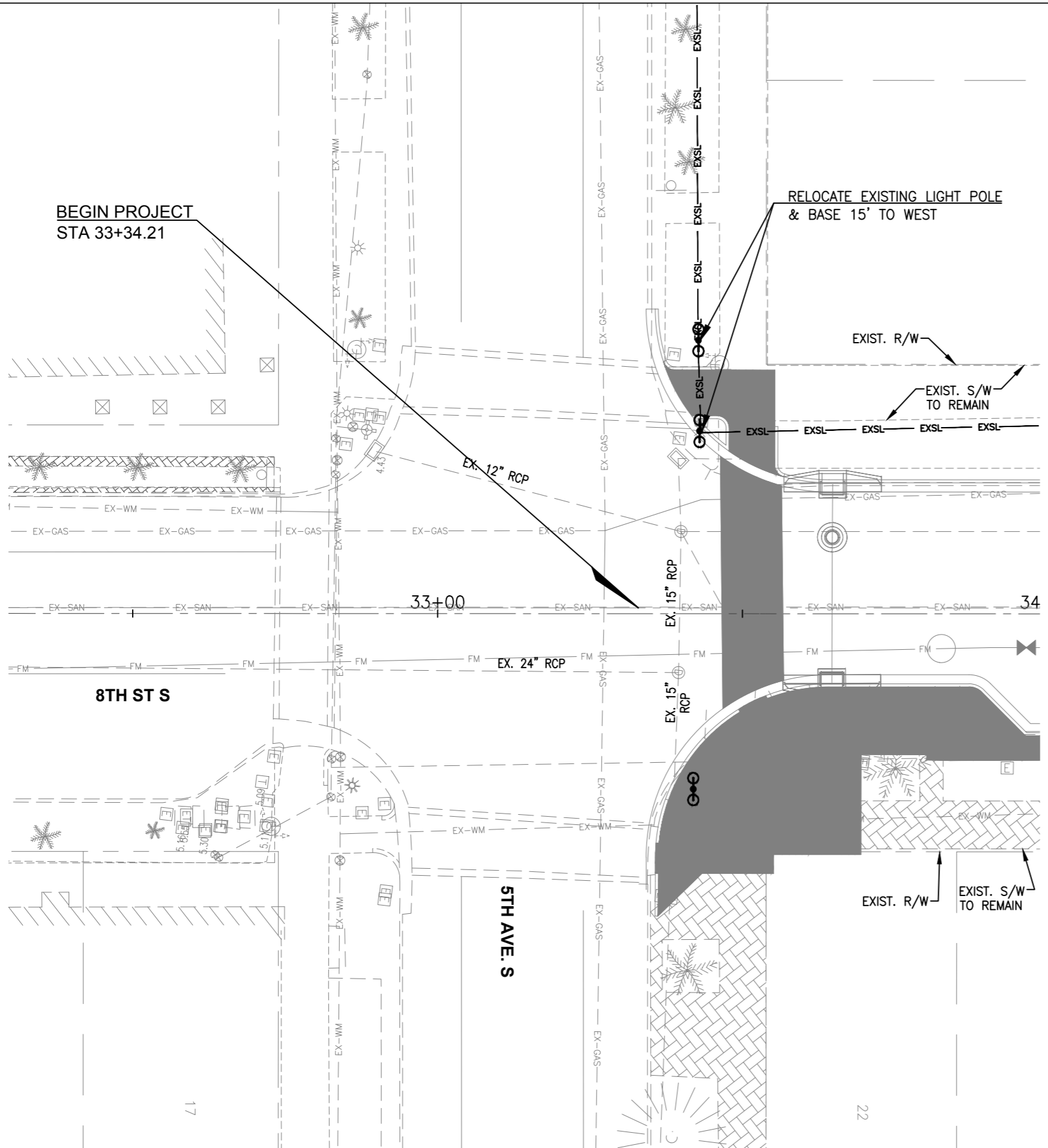
PLAN SHEET L-25

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

MUNICIPALITY:	CITY OF NAPLES
SBC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	25 OF 25

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TABULATION OF QUANTITIES				
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PLAN SHEET	
			L-25	
			PLAN	FINAL
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	15	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF	45	
715-540-000	LIGHT POLE COMPLETE, SPECIAL DESIGN, RELOCATE	EA	1	

LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

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Certificate of Authorization No. 26048

*8th Street Improvements*

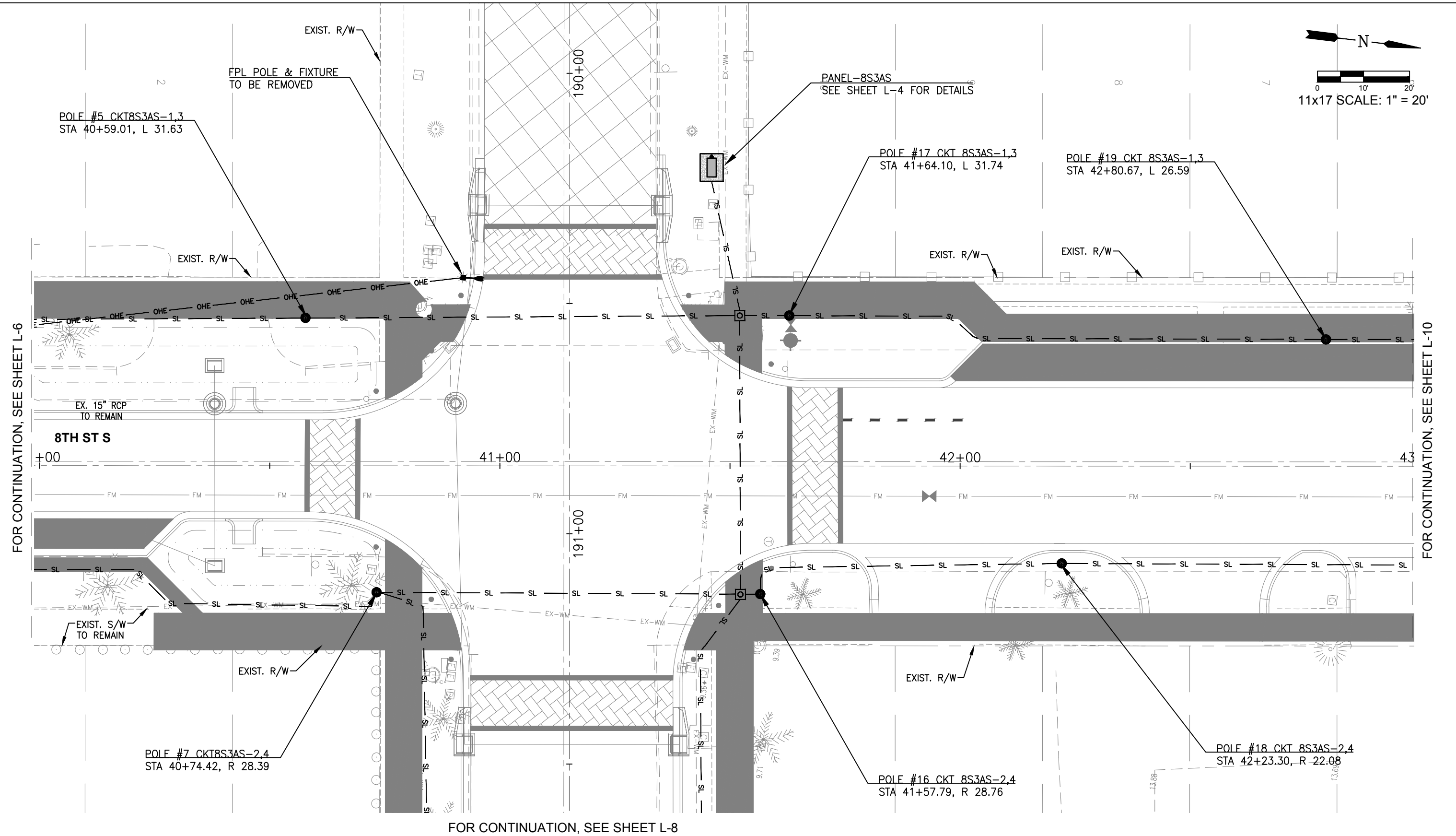
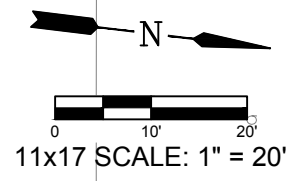
PLAN SHEET L-25

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY:  
 CITY OF NAPLES  
 SEC/TWN/RGE:  
 34/49S & 3/50S/25E  
 DATE:  
 DECEMBER, 2018  
 SUBMITTAL TYPE:  
 100% PLANS  
 SHEET 25 OF 25

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FOR CONTINUATION, SEE SHEET L-6

FOR CONTINUATION, SEE SHEET L-10

FOR CONTINUATION, SEE SHEET L-8

**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**  
 16900 Colony Lakes Boulevard Fort Myers, Florida 33908  
 Phone: (239) 481-2385 Cell: (239) 560-6541  
 Certificate of Authorization No. 26048

*8th Street Improvements*

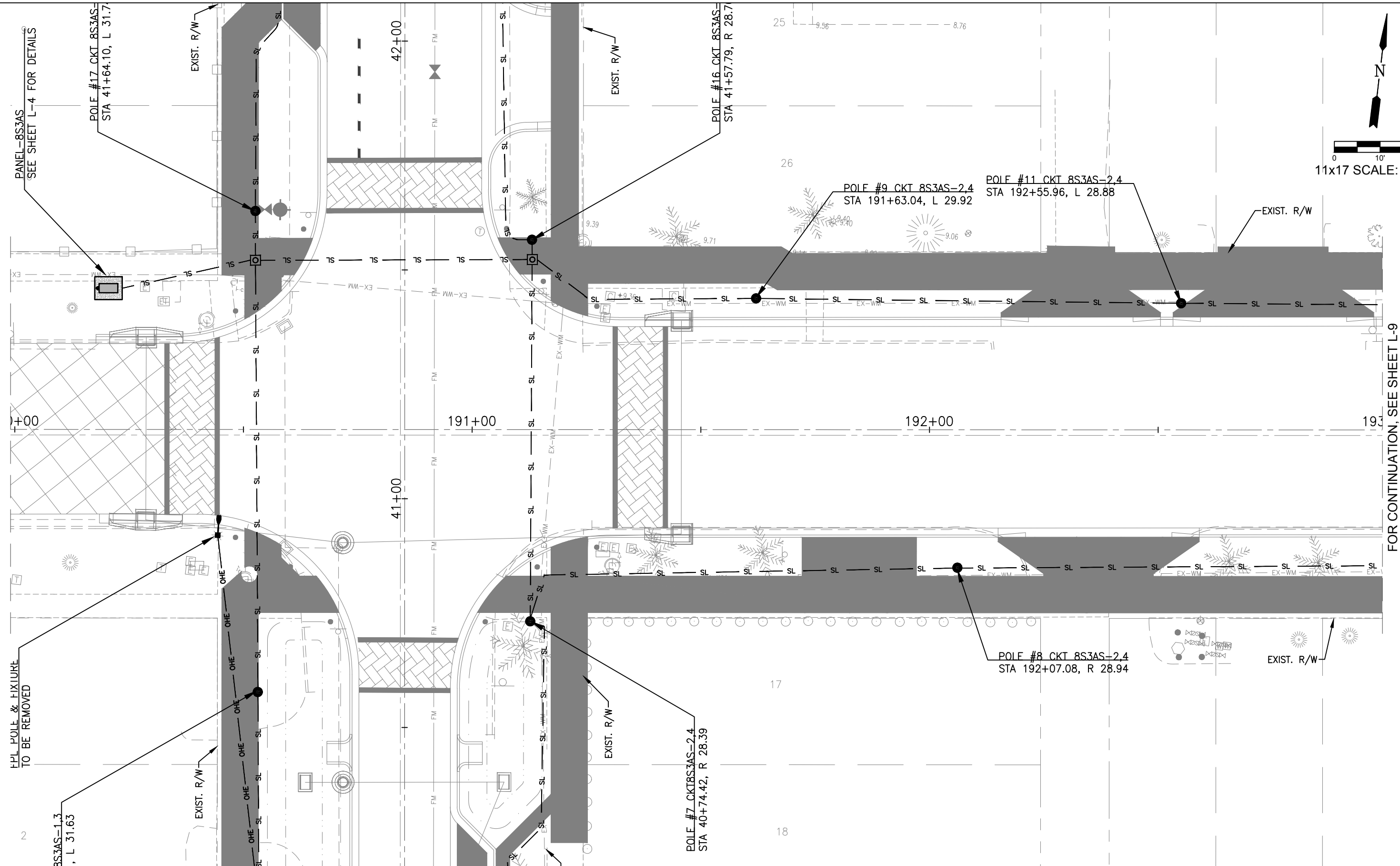
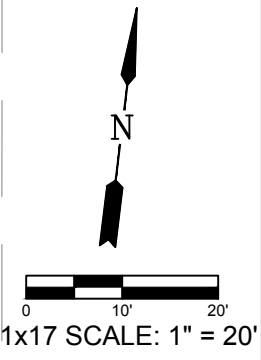
PLAN SHEET - L-7

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC./TWN./RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	7 OF 25

THOMAS E. HOLLIS, P.E.  
 FLORIDA P.E. LICENSE NO. 12938

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PANEL-8S3AS  
SEE SHEET L-4 FOR DETAILS

FPL POLE & FIXTURE  
TO BE REMOVED

FOR CONTINUATION, SEE SHEET L-9

**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description

DESIGNED BY:	TEH
DRAWN BY:	TEH
APPROVED:	TEH
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**HOLLIS ENGINEERING CONSULTANTS, INC.**  
 16900 Colony Lakes Boulevard Fort Myers, Florida 33908  
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 Certificate of Authorization No. 26048

*8th Street Improvements*

PLAN SHEET L-8

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	8 OF 25

THOMAS E. HOLLIS, P. E.  
 FLORIDA P.E. LICENCE NO. 12938

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