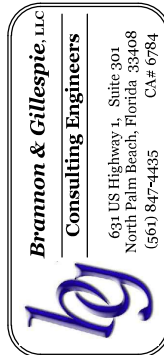


Digitally signed by
Danny P. Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK
Sheet

G1

INSTALLATION OF TOWN OWNED FIBER OPTIC AND STREET LIGHTING ALONG GULF OF MEXICO DRIVE

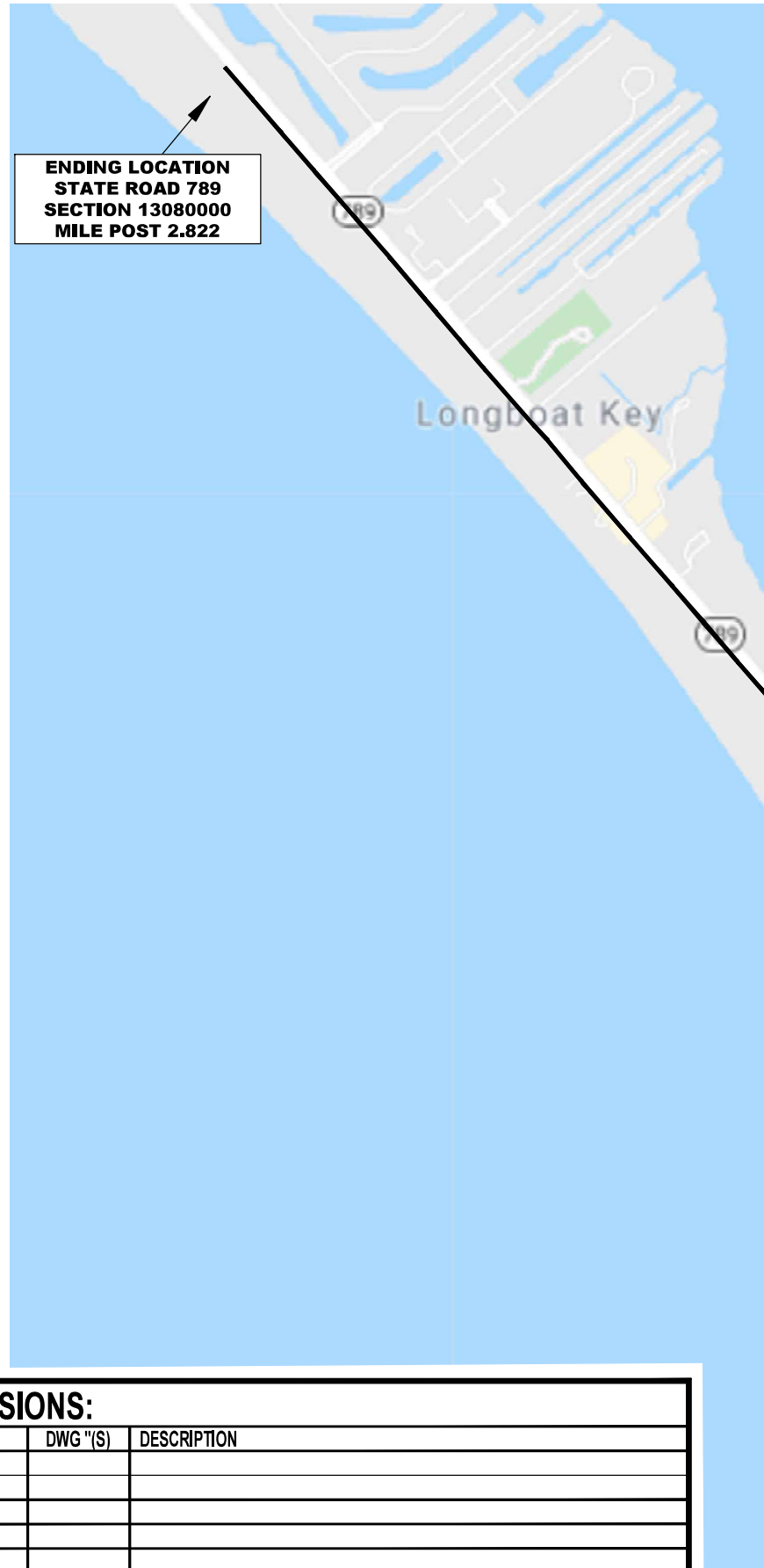
PHASE 4

DRAWING LEGEND

- K1- RISERS AND LOAD CALCS
- K2- RISERS AND LOAD CALCS
- K3- RISERS AND LOAD CALCS
- D1- GMD POLE DETAIL
- D2- NEIGHBORHOOD POLE DETAIL
- D3- POLE WIRING DETAIL
- D4- PANEL RACK DETAIL
- P1- GMD PHOTOMETRICS
- P2- GMD PHOTOMETRICS
- P3- GMD PHOTOMETRICS
- S1- GMD SECTION DRAWINGS
- S2- GMD SECTION DRAWINGS
- S3- GMD SECTION DRAWINGS

DRAWING LEGEND

- COVER
- GMD SHEET KEY MAP
- G1- GMD PLAN DRAWING
- G2- GMD PLAN DRAWING
- G3- GMD PLAN DRAWING
- G4- GMD PLAN DRAWING
- G5- GMD PLAN DRAWING
- G6- GMD PLAN DRAWING
- G7- GMD PLAN DRAWING
- G8- GMD PLAN DRAWING
- G9- GMD PLAN DRAWING
- G10- GMD PLAN DRAWING
- G11- GMD PLAN DRAWING
- G12- GMD PLAN DRAWING
- G13- GMD PLAN DRAWING
- G14- GMD PLAN DRAWING
- G15- GMD PLAN DRAWING
- G16- GMD PLAN DRAWING
- G17- GMD PLAN DRAWING
- G18- GMD PLAN DRAWING
- G19- GMD PLAN DRAWING
- G20- GMD PLAN DRAWING
- G21- GMD PLAN DRAWING
- G22- GMD PLAN DRAWING



REVISIONS:

DATE	DWG "(S)"	DESCRIPTION

BEGINNING LOCATION
S.R. 789, SECTION 13080000
MILEPOST 0.196

CALL BEFORE YOU DIG



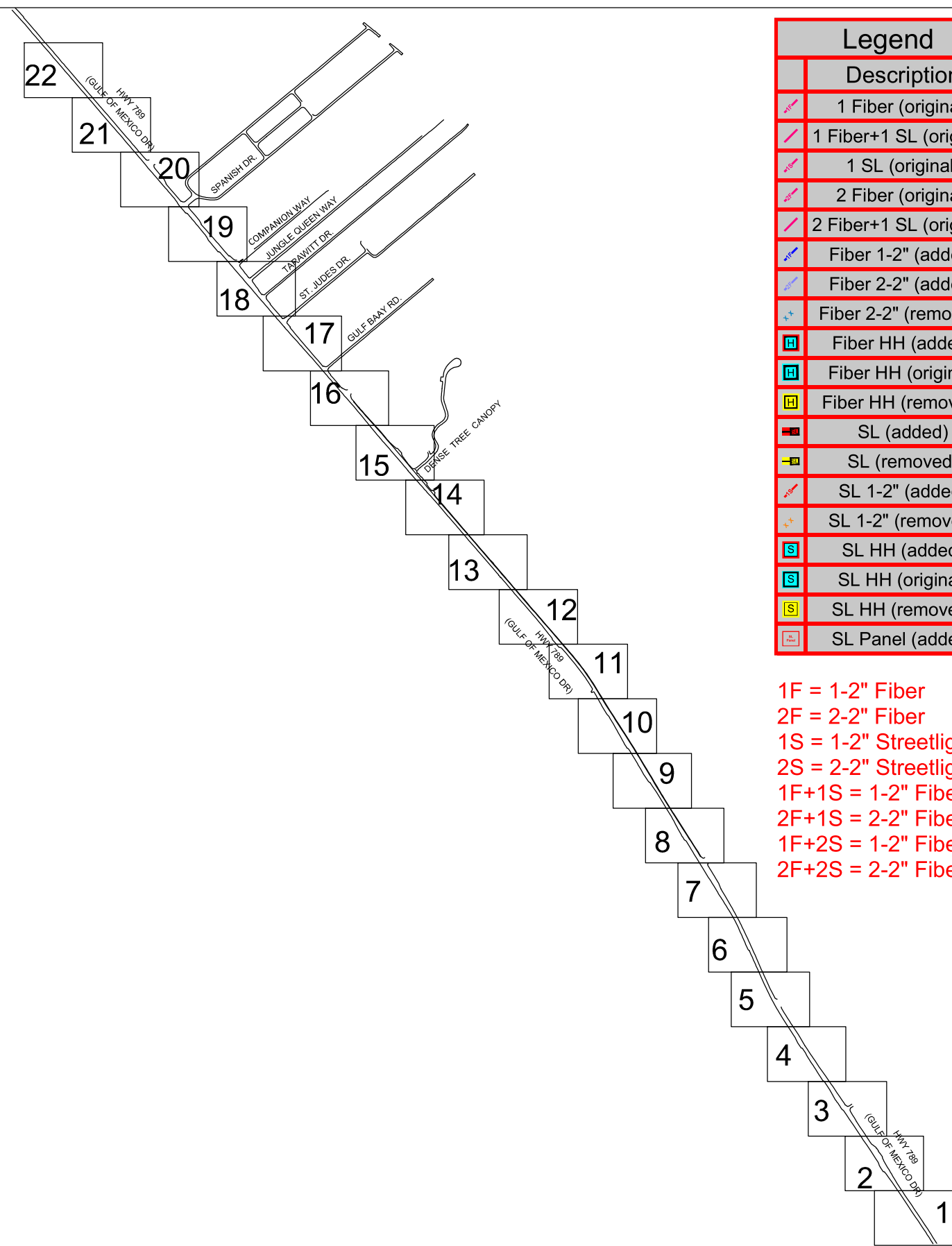
TWO FULL BUS. DAYS BEFORE YOU DIG

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT
UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION AS
THE LOCATION OF UTILITIES SHOWN ON THIS PLAT ARE
APPROXIMATE AND POSSIBLY INCOMPLETE. THEREFORE
CERTIFICATION TO THE LOCATION OF ALL UNDERGROUND
UTILITIES IS WITH HELD.

CONTRACTOR SHALL VERIFY ALL PLAN &
EXISTING DIMENSIONS & CONDITIONS ON THE
ROUTE BEFORE PROCEEDING WITH THE WORK
AND IS RESPONSIBLE FOR SAME

UTILITIES SHOWN ON PLANS ARE
APPROXIMATE LOCATIONS AND
WERE ACQUIRED FROM THE BEST
AVAILABLE DATA AND
REASONABLY OBTAINED BY
PHYSICAL FIELD SURVEY.

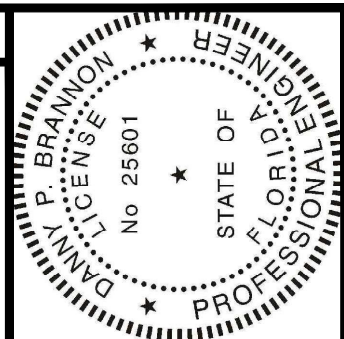
RECLAIMED	YES
WATER MAIN	YES
SEWER - F/M	YES
ELECTRIC	YES
CATV	YES
GAS	YES
TELEPHONE	YES



Legend	
	Description
	1 Fiber (original)
	1 Fiber+1 SL (original)
	1 SL (original)
	2 Fiber (original)
	2 Fiber+1 SL (original)
	Fiber 1-2" (added)
	Fiber 2-2" (added)
	Fiber 2-2" (removed)
	Fiber HH (added)
	Fiber HH (original)
	Fiber HH (removed)
	SL (added)
	SL (removed)
	SL 1-2" (added)
	SL 1-2" (removed)
	SL HH (added)
	SL HH (original)
	SL HH (removed)
	SL Panel (added)

1F = 1-2" Fiber
2F = 2-2" Fiber
1S = 1-2" Streetlight
2S = 2-2" Streetlight
1F+1S = 1-2" Fiber and 1-2" Streetlight
2F+1S = 2-2" Fiber and 1-2" Streetlight
1F+2S = 1-2" Fiber and 2-2" Streetlight
2F+2S = 2-2" Fiber and 2-2" Streetlight

SYMBOL LEGEND	
	CENTERLINE
	EDGE OF PAVEMENT
	RIGHT OF WAY
	SIDEWALK
PROPOSED CONDUIT	
	SANITARY SEWER
	OVERHEAD LINES
	PROPERTY LINES
	SURVEY CONTROL POINT
	CONCRETE MONUMENT FOUND
	IRON PIPE FOUND
	IRON ROD FOUND
	NAIL AND DISC FOUND
	UTILITY POLE (WOOD)
	UTILITY POLE (CONCRETE)
	GUY WIRE
	SANITARY MANHOLE
	CLEANOUT
	GRATE INLET
	STORMWATER MANHOLE
	MITERED END SECTION
	UTILITY MANHOLE
	GAS LINE MARKER
	FIRE HYDRANT
	WATER VALVE
	WATER METER
	BACKFLOW PREVENTER
	TRANSFORMER
	CABLE MARKER
	GAS VALVE / METER
	LIGHT POLE
	LANDSCAPE LIGHT
	BOLLARD
	SIGN
	UTILITY RISER / PEDESTAL
	CONTROL PANEL
	TRAFFIC / PEDESTRIAN CONTROL
	IRRIGATION VALVE
	GUY POLE
	SERVICE BOX (ELECTRIC)
	SERVICE BOX (CABLE)
	SERVICE BOX (TELEPHONE)
	MAILBOX
	STREET LIGHT 10" x 17" HANDHOLE.
	FIBER OPTICS 30"x48" HANDHOLE
	UNLESS MARKED OTHERWISE.
	PROPOSED STREET LIGHT
	EXISTING STREET POST LIGHT
	EXISTING STREET POST LIGHT WITH STREET SIGN
	EXISTING MASTARM STREET LIGHT

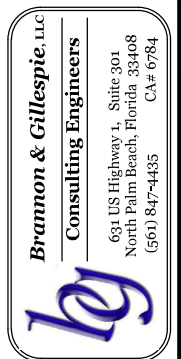


Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P. E.
FLORIDA P. E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
FIBER OPTIC AND STREET LIGHTING UTILITY CONSTRUCTION
LONGBOAT KEY, FLORIDA

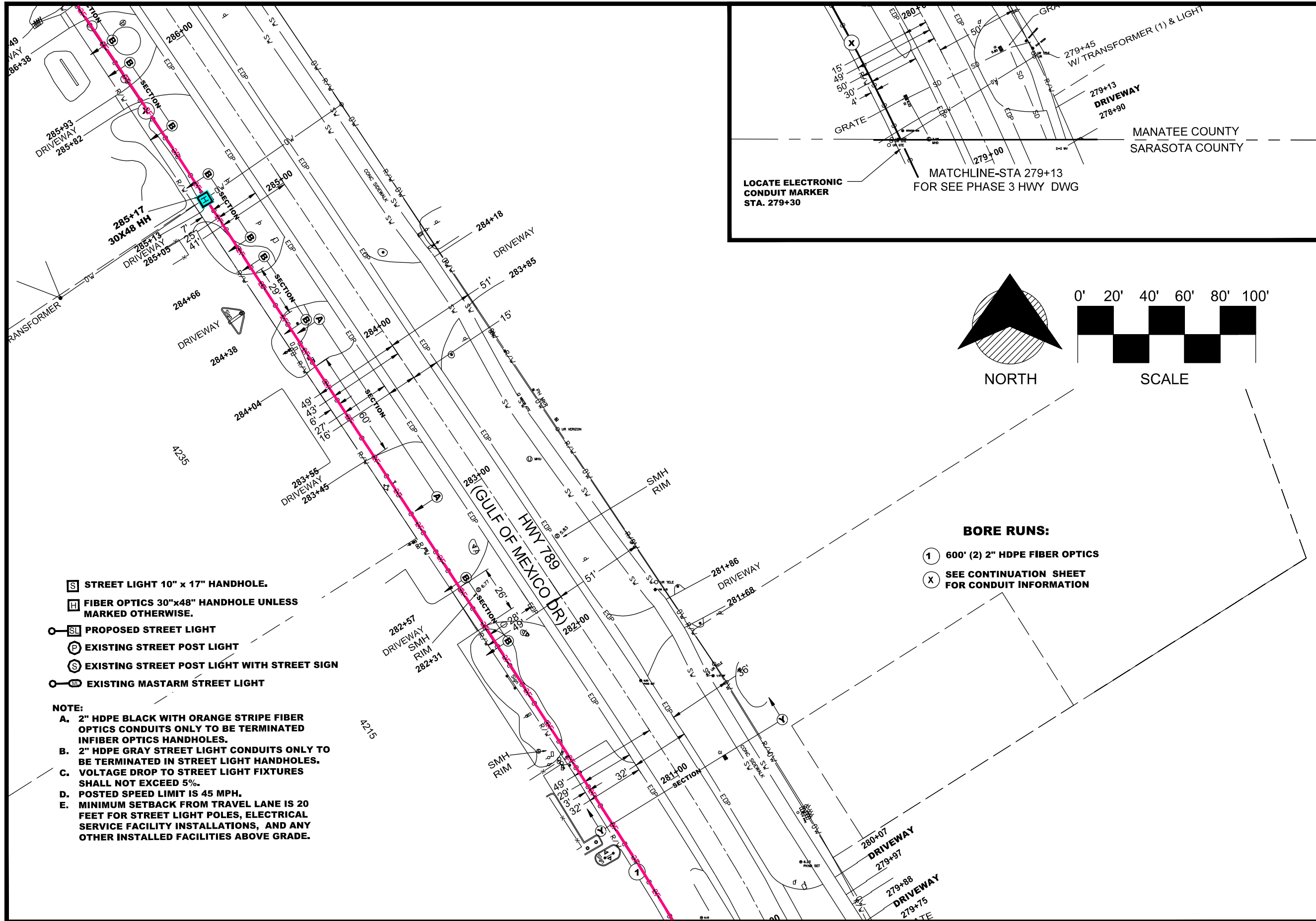


Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
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Job # 2014-LBK

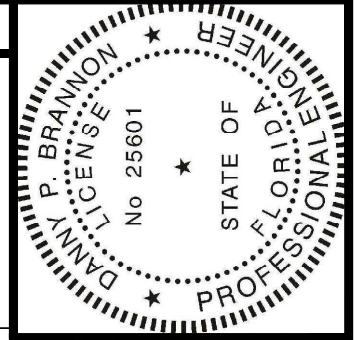
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KEY MAP

MATCHLINE-STA 286+23
FOR CONTINUATION SEE SHEET 2

FOR CONTINUATION SEE
THIS SHEET BOTOM RIGHT



FOR CONTINUATION SEE
THIS SHEET TOP RIGHT

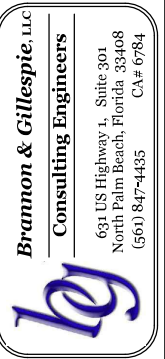


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Town of Longboat Key

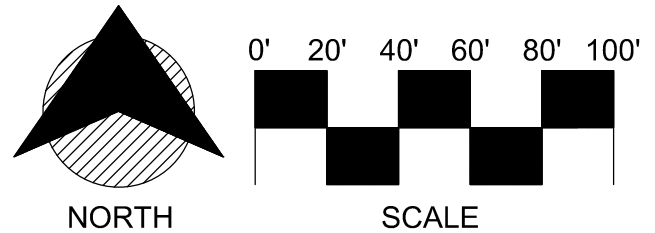


DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



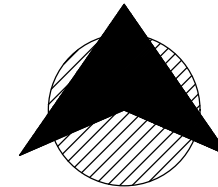
Date: 12/01/2019
Scale: AS NOTED
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Checked: DPB
Job # 2014-LBK

Sheet
1 OF 22

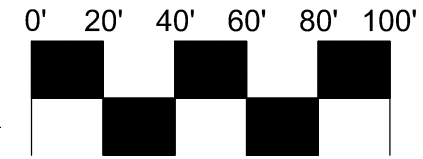


- BORE RUNS:**
- ① 600' (2) 2" HDPE FIBER OPTICS
 - X SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

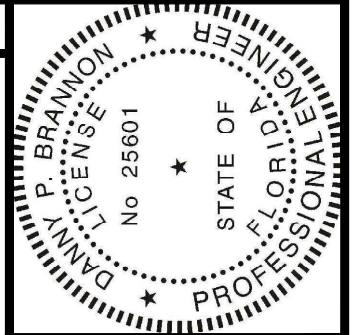
MATCHLINE-STA 292+43
FOR CONTINUATION SEE SHEET 3



NORTH



SCALE



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Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P. E. NO. 25601

DATE

BORE RUNS:

- (2) 1009' (2) 2" HDPE FIBER OPTICS
- (X) SEE CONTINUATION SHEET
FOR CONDUIT INFORMATION

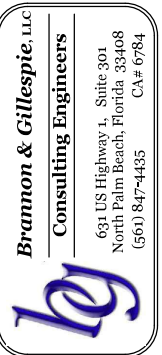
- [S] STREET LIGHT 10" x 17" HANDHOLE.
- [H] FIBER OPTICS 30"x48" HANDHOLE UNLESS
MARKED OTHERWISE.
- [SL] PROPOSED STREET LIGHT
- [P] EXISTING STREET POST LIGHT
- [S] EXISTING STREET POST LIGHT WITH STREET SIGN
- [M] EXISTING MASTARM STREET LIGHT

NOTE:

- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED IN FIBER OPTICS HANDHOLES.
- B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
- C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- D. POSTED SPEED LIMIT IS 45 MPH.
- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

HWY 789 (GULF OF MEXICO DR)

Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA

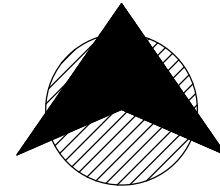


Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

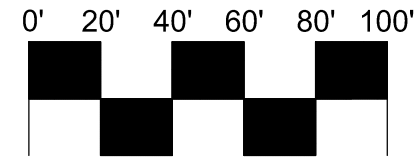
Sheet
2 OF 22

MATCHLINE-STA 286+23
FOR CONTINUATION SEE SHEET 1

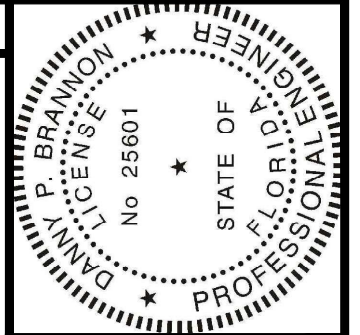
MATCHLINE-STA 298+68
FOR CONTINUATION SEE SHEET 4



NORTH



SCALE



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Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

BORE RUNS:

(X) SEE CONTINUATION SHEET
FOR CONDUIT INFORMATION

- [S] STREET LIGHT 10" x 17" HANDHOLE.
- [H] FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
- [SL] PROPOSED STREET LIGHT
- [P] EXISTING STREET POST LIGHT
- [S] EXISTING STREET POST LIGHT WITH STREET SIGN
- [M] EXISTING MASTARM STREET LIGHT

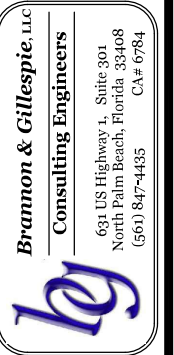
NOTE:

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- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

4454

MATCHLINE-STA 292+43
FOR CONTINUATION SEE SHEET 2

Town of Longboat Key



Brannon & Gillespie, LLC
Consulting Engineers
631 US Highway 1, Suite 301
North Palm Beach, Florida 33408
(561) 847-4435 CA# 6784

DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA

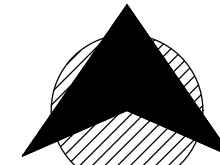


Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

Sheet

3 OF 22

MATCHLINE-STA 304+85
FOR CONTINUATION SEE SHEET 5



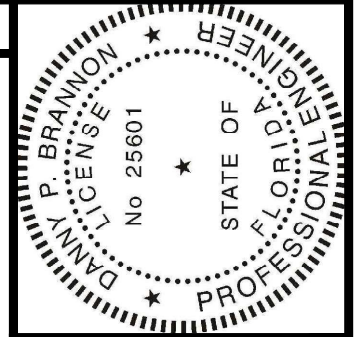
NORTH

0' 20' 40' 60' 80' 100'

SCALE

BORE RUNS:

- ③ 1000' (2) 2" HDPE FIBER OPTICS
- ⓧ SEE CONTINUATION SHEET
FOR CONDUIT INFORMATION

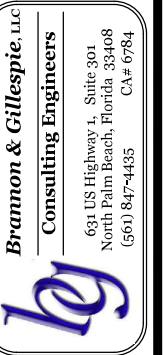


Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P. E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
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Drawn: DPB
Checked: DPB
Job # 2014-LBK

Sheet
4 OF 22

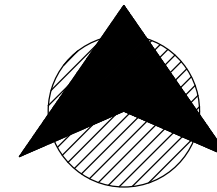
- Ⓢ STREET LIGHT 10" x 17" HANDHOLE.
- Ⓜ FIBER OPTICS 30"x48" HANDHOLE UNLESS
MARKED OTHERWISE.
- Ⓛ PROPOSED STREET LIGHT
- Ⓟ EXISTING STREET POST LIGHT
- Ⓢ EXISTING STREET POST LIGHT WITH STREET SIGN
- Ⓜ EXISTING MASTARM STREET LIGHT

NOTE:

- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED INFIBER OPTICS HANDHOLES.
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- C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- D. POSTED SPEED LIMIT IS 45 MPH.
- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

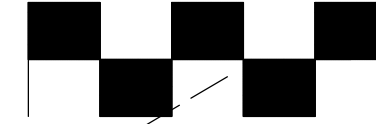
MATCHLINE-STA 298+68
FOR CONTINUATION SEE SHEET 3

MATCHLINE-STA 310+75
FOR CONTINUATION SEE SHEET 6



NORTH

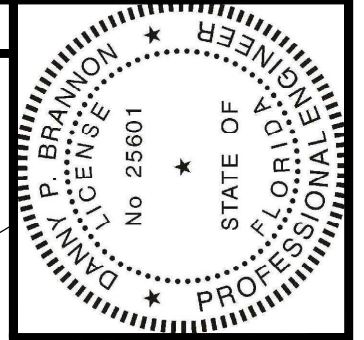
0' 20' 40' 60' 80' 100'



SCALE

BORE RUNS:

- ④ 995' (2) 2" HDPE FIBER OPTICS
- ✕ SEE CONTINUATION SHEET
FOR CONDUIT INFORMATION

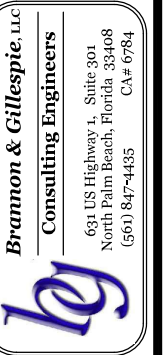


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Town of Longboat Key









DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
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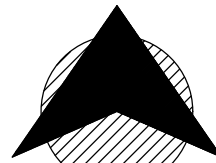
Sheet
5 OF 22

-  **STREET LIGHT 10" x 17" HANDHOLE.**
-  **FIBER OPTICS 30"x48" HANDHOLE UNLESS
MARKED OTHERWISE.**
-  **PROPOSED STREET LIGHT**
-  **EXISTING STREET POST LIGHT**
-  **EXISTING STREET POST LIGHT WITH STREET SIGN**
-  **EXISTING MASTARM STREET LIGHT**

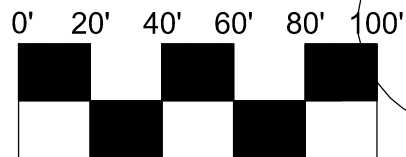
- NOTE:**
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 - C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
 - D. POSTED SPEED LIMIT IS 45 MPH.
 - E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

MATCHLINE-STA 304+85
FOR CONTINUATION SEE SHEET 4

MATCHLINE-STA 316+45
FOR CONTINUATION SEE SHEET 7



NORTH



SCALE

BORE RUNS:

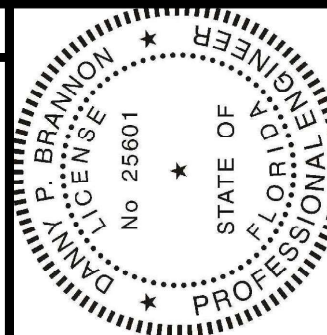
(X) SEE CONTINUATION SHEET
FOR CONDUIT INFORMATION

- [S] STREET LIGHT 10" x 17" HANDHOLE.
- [H] FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
- [SL] PROPOSED STREET LIGHT
- [P] EXISTING STREET POST LIGHT
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NOTE:

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MATCHLINE-STA 310+75
FOR CONTINUATION SEE SHEET 5



Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

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DRAWINGS FOR:

**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019

Scale: AS NOTED

Drawn: DPB

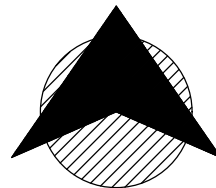
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Job # 2014-LBK

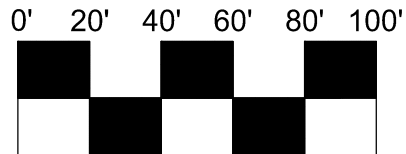
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6 OF 22

MATCHLINE-STA 322+45
FOR CONTINUATION SEE SHEET 8



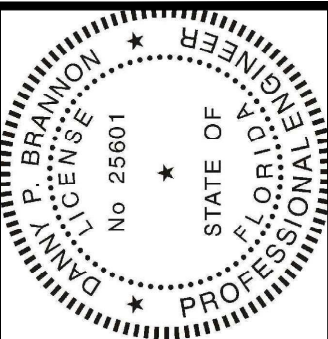
NORTH



SCALE

BORE RUNS:

- (5) 691' (2) 2" HDPE FIBER OPTICS
- (X) SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

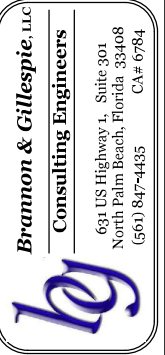


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Danny P Brannon
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16:25:18 -04'00'

DANNY P. BRANNON, P.E.
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DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
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Sheet

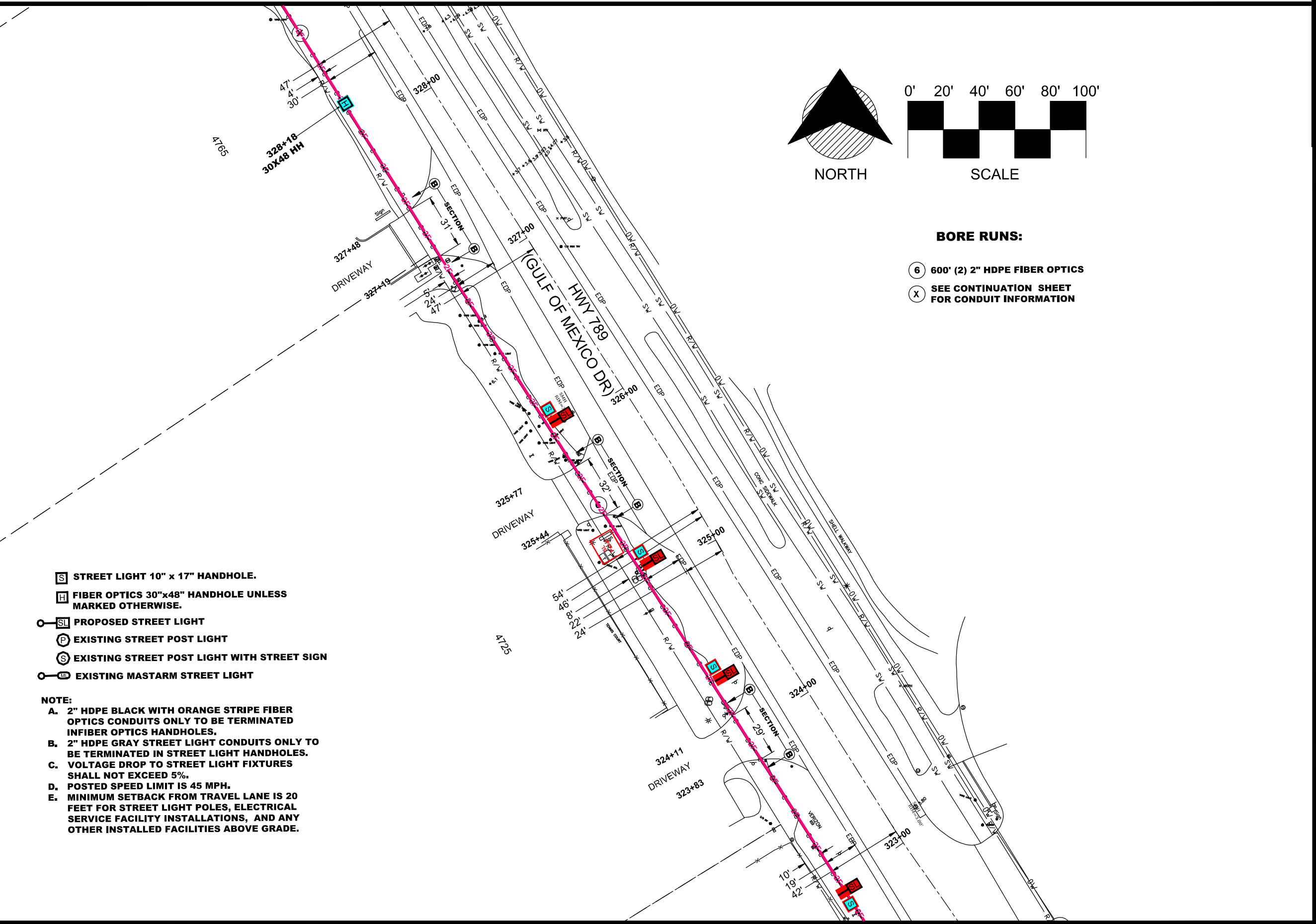
7 OF 22

- [S] STREET LIGHT 10" x 17" HANDHOLE.
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- [SL] PROPOSED STREET LIGHT
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 - B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
 - C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
 - D. POSTED SPEED LIMIT IS 45 MPH.
 - E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

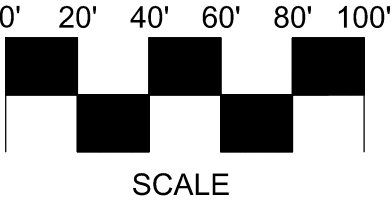
MATCHLINE-STA 316+45
FOR CONTINUATION SEE SHEET 6

MATCHLINE-STA 328+56
FOR CONTINUATION SEE SHEET 9



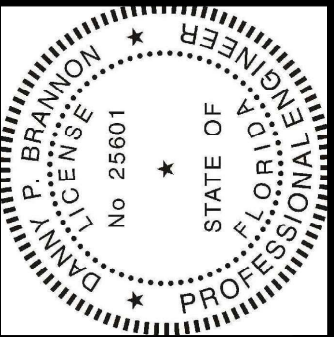
- [S] STREET LIGHT 10" x 17" HANDHOLE.
- [H] FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
- [SL] PROPOSED STREET LIGHT
- [P] EXISTING STREET POST LIGHT
- [S] EXISTING STREET POST LIGHT WITH STREET SIGN
- [M] EXISTING MASTARM STREET LIGHT

NOTE:
A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED IN FIBER OPTICS HANDHOLES.
B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
D. POSTED SPEED LIMIT IS 45 MPH.
E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.



- BORE RUNS:**
- 6 600' (2) 2" HDPE FIBER OPTICS
 - X SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

MATCHLINE-STA 322+45
FOR CONTINUATION SEE SHEET 7

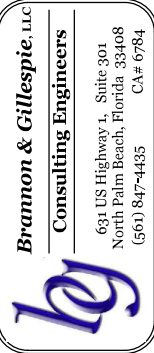


Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P. E.
FLORIDA P. E. NO. 25601

DATE

Town of Longboat Key

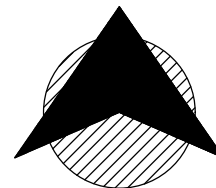


DRAWINGS FOR:
FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION
LONGBOAT KEY, FLORIDA

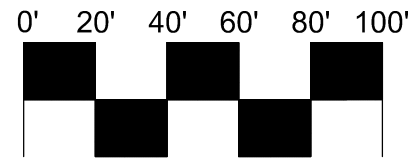


Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

MATCHLINE-STA 334+63
FOR CONTINUATION SEE SHEET 10



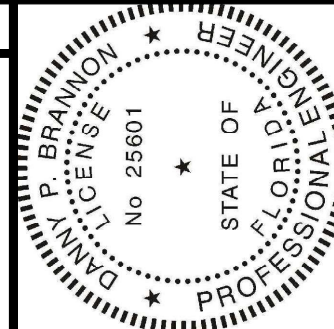
NORTH



SCALE

BORE RUNS:

- ⑦ 986' (2) 2" HDPE FIBER OPTICS
- ⓧ SEE CONTINUATION SHEET
FOR CONDUIT INFORMATION

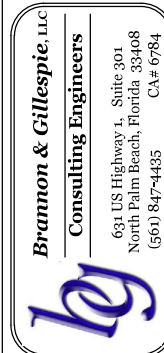


Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P. E. NO. 25601

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Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019

Scale: AS NOTED

Drawn: DPB

Checked: DPB

Job # 2014-LBK

Sheet

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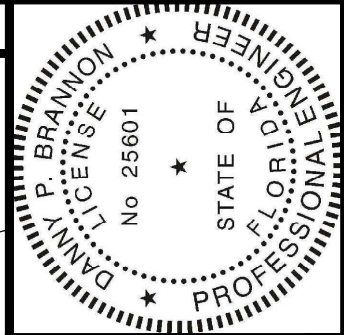
- Ⓢ STREET LIGHT 10" x 17" HANDHOLE.
- Ⓜ FIBER OPTICS 30"x48" HANDHOLE UNLESS
MARKED OTHERWISE.
- Ⓛ PROPOSED STREET LIGHT
- Ⓟ EXISTING STREET POST LIGHT
- Ⓢ EXISTING STREET POST LIGHT WITH STREET SIGN
- Ⓜ EXISTING MASTARM STREET LIGHT

NOTE:

- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED IN FIBER OPTICS HANDHOLES.
- B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
- C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- D. POSTED SPEED LIMIT IS 45 MPH.
- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

MATCHLINE-STA 328+56
FOR CONTINUATION SEE SHEET 8

MATCHLINE-STA 340+70
FOR CONTINUATION SEE SHEET 11



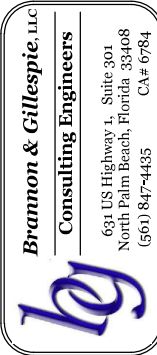
Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

Danny P. Brannon

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019

Scale: AS NOTED







Drawn: DPB

Checked: DPB

Job # 2014-LBK

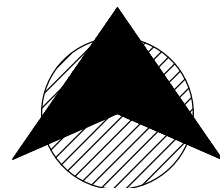
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10 OF 22

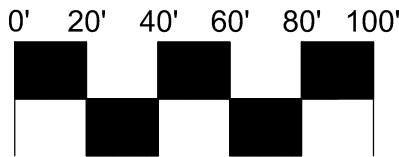
-  **STREET LIGHT 10" x 17" HANDHOLE.**
-  **FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.**
-  **PROPOSED STREET LIGHT**
-  **EXISTING STREET POST LIGHT**
-  **EXISTING STREET POST LIGHT WITH STREET SIGN**
-  **EXISTING MASTARM STREET LIGHT**

NOTE:

- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED INFIBER OPTICS HANDHOLES.
- B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
- C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- D. POSTED SPEED LIMIT IS 45 MPH.
- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.



NORTH



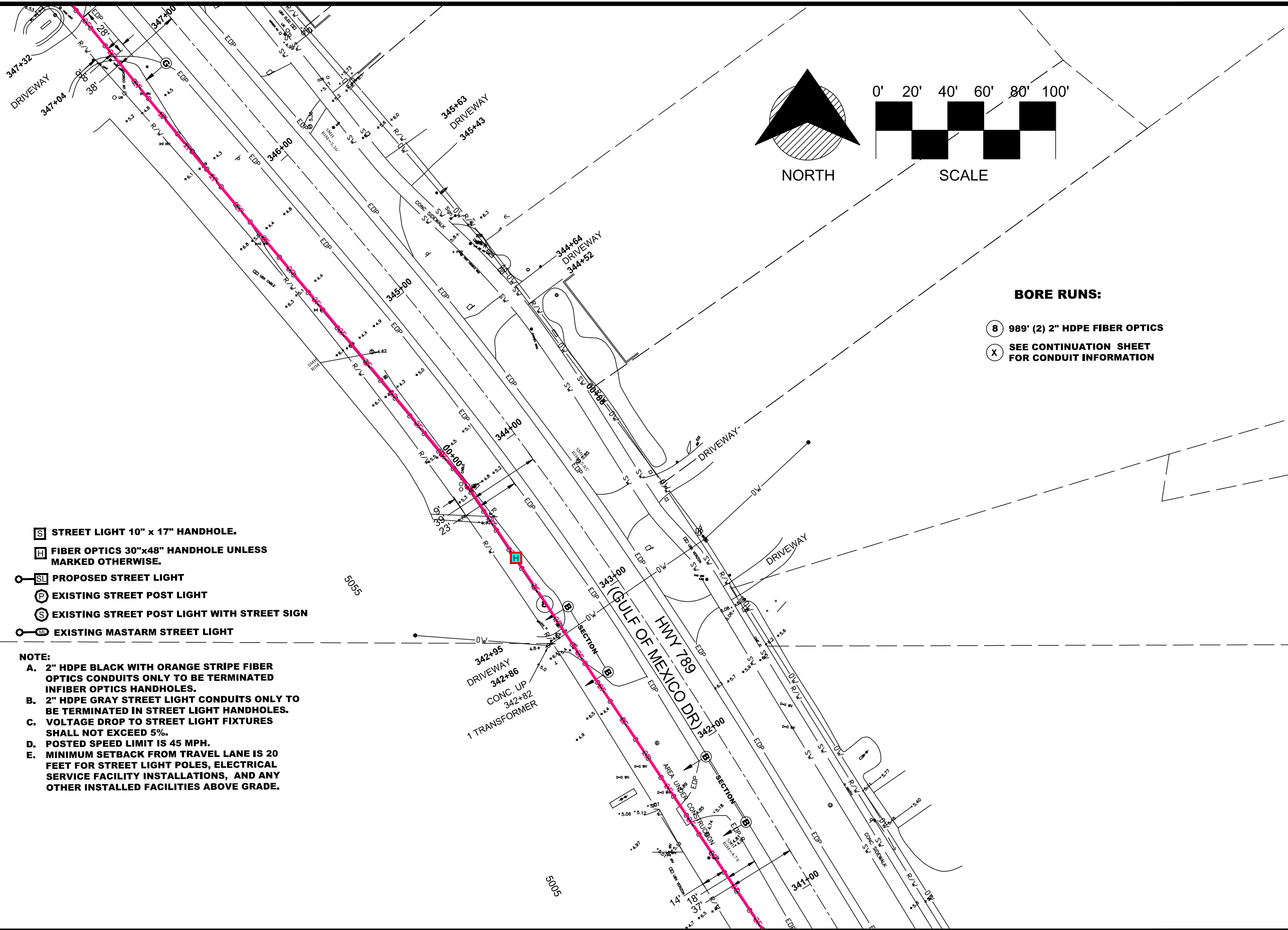
SCALE

BORE RUNS:

-  **SEE CONTINUATION SHEET FOR CONDUIT INFORMATION**

MATCHLINE-STA 334+63
FOR CONTINUATION SEE SHEET 9

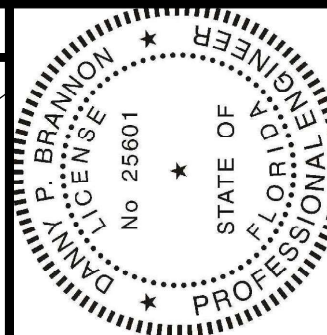
MATCHLINE-STA 347+11
FOR CONTINUATION SEE SHEET 12



- LEGEND:**
- [S]** STREET LIGHT 10" x 17" HANDHOLE.
 - [H]** FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
 - [SL]** PROPOSED STREET LIGHT
 - [P]** EXISTING STREET POST LIGHT
 - [S]** EXISTING STREET POST LIGHT WITH STREET SIGN
 - [M]** EXISTING MASTARM STREET LIGHT

- NOTE:**
- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED IN FIBER OPTICS HANDHOLES.
 - B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
 - C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
 - D. POSTED SPEED LIMIT IS 45 MPH.
 - E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

MATCHLINE-STA 340+70
FOR CONTINUATION SEE SHEET 10



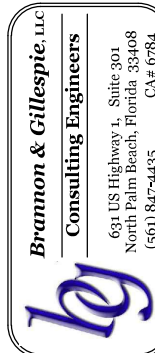
Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

Danny P. Brannon

DANNY P. BRANNON, P. E.
FLORIDA P. E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA

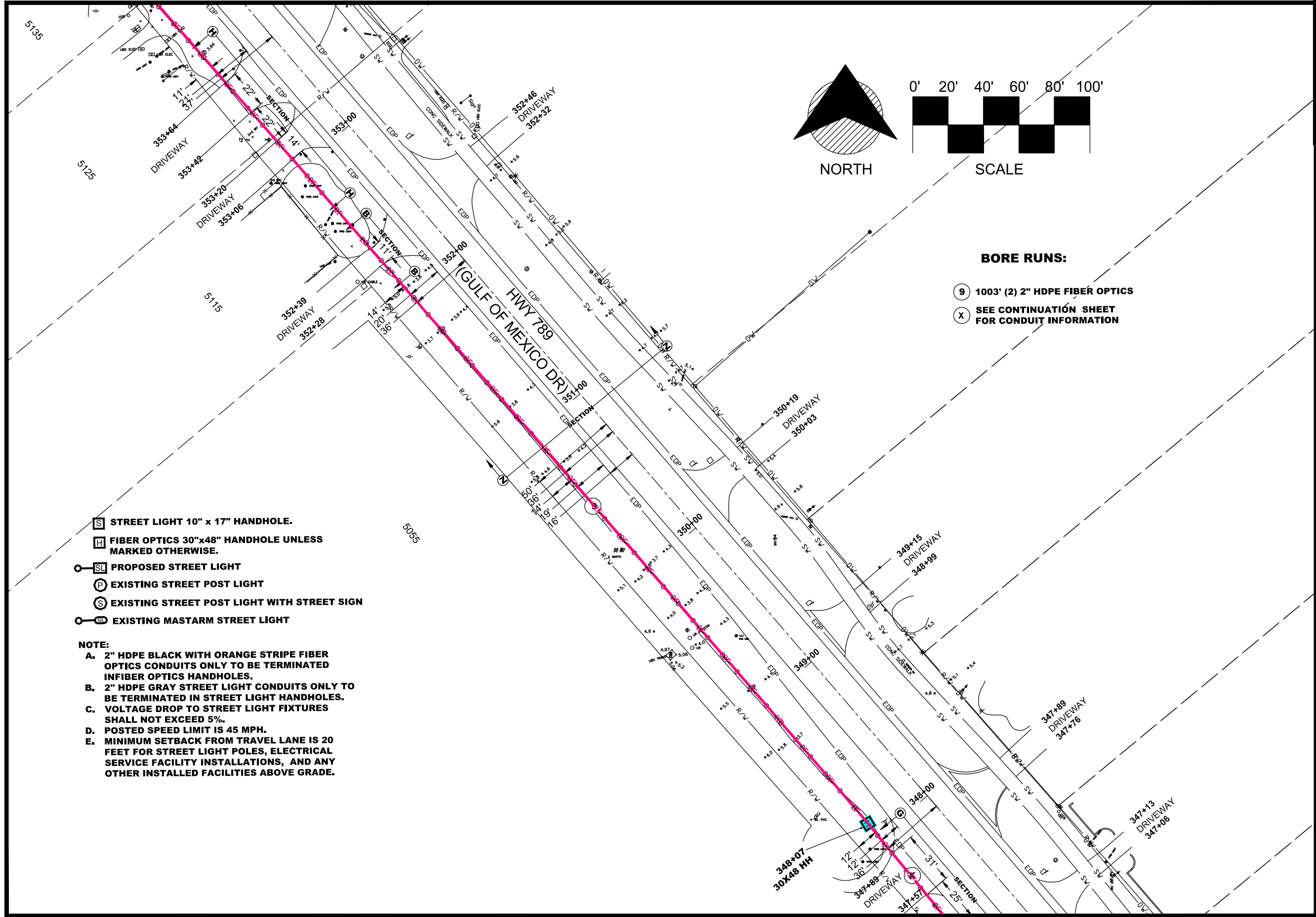


Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

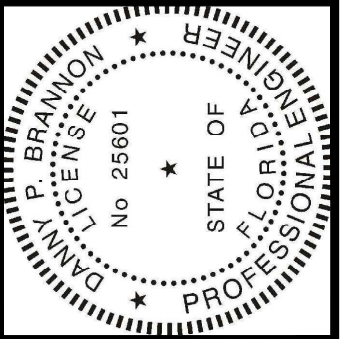
Sheet

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MATCHLINE-STA 353+92
FOR CONTINUATION SEE SHEET 13



MATCHLINE-STA 347+11
FOR CONTINUATION SEE SHEET 11

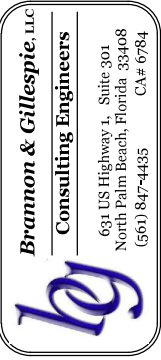


Digitally signed by
Danny P. Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

Town of Longboat Key

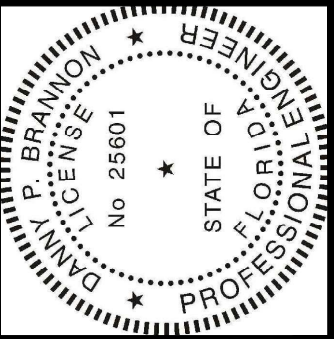
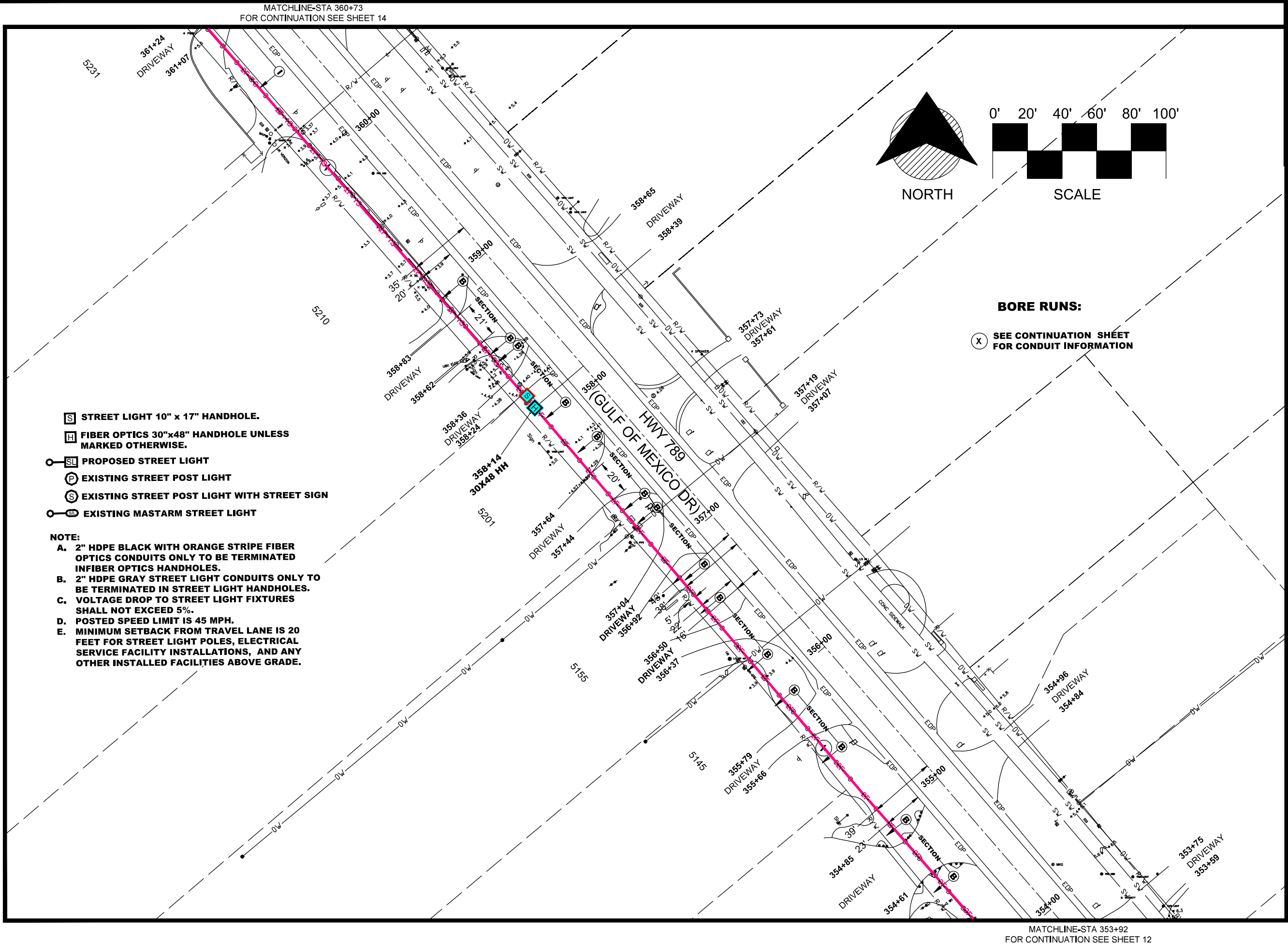


DRAWINGS FOR:
FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

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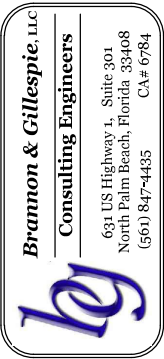


Digitally signed by
Danny P. Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
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DATE

Town of Longboat Key

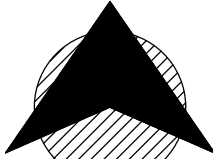
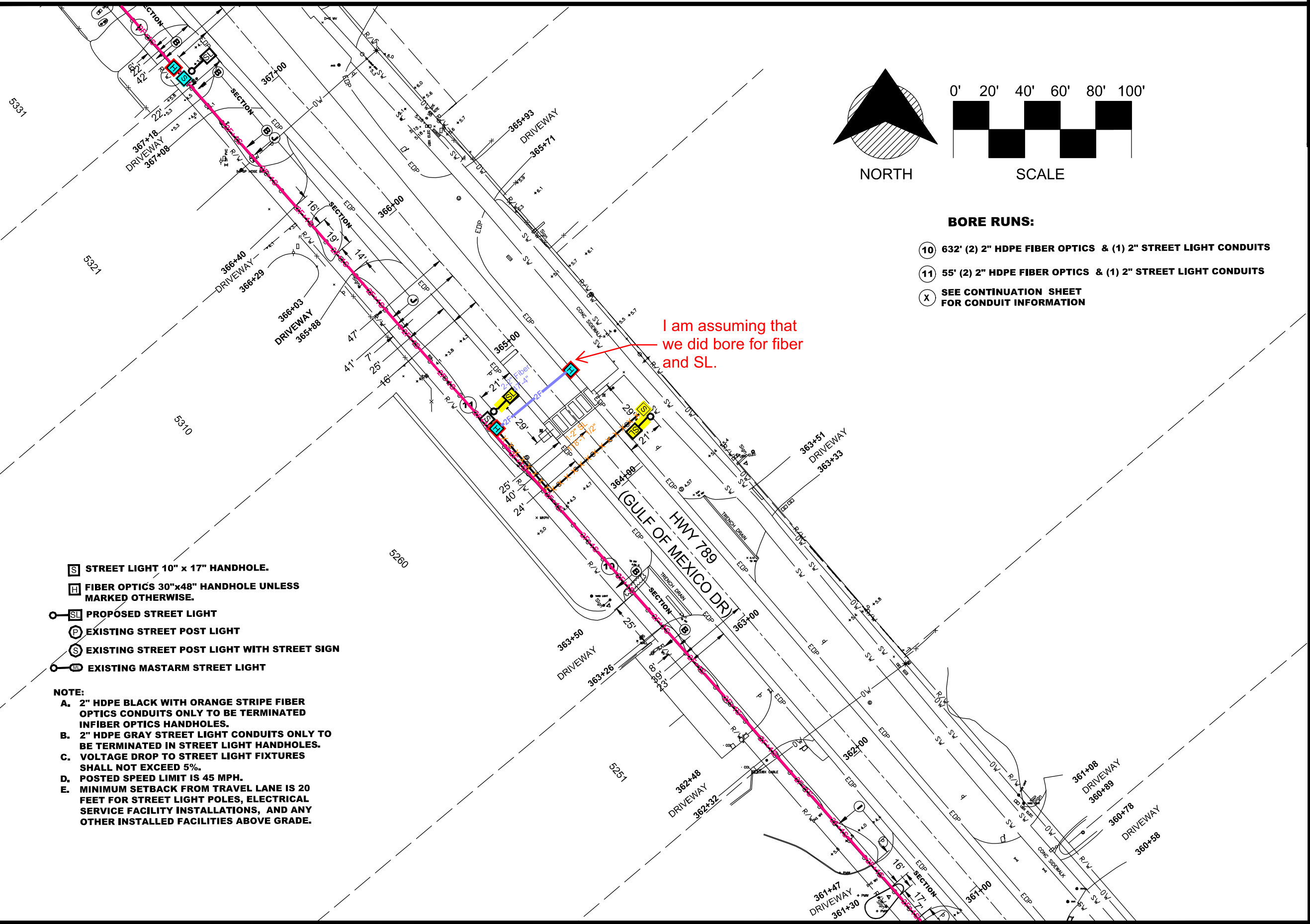


DRAWINGS FOR:
FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION
LONGBOAT KEY, FLORIDA

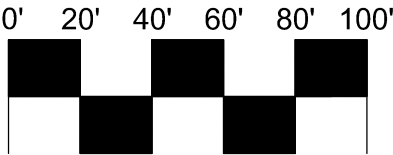


Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

MATCHLINE-STA 367+53
FOR CONTINUATION SEE SHEET 15



NORTH

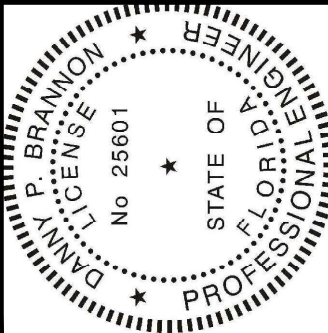


SCALE

BORE RUNS:

- ⑩ 632' (2) 2" HDPE FIBER OPTICS & (1) 2" STREET LIGHT CONDUITS
- ⑪ 55' (2) 2" HDPE FIBER OPTICS & (1) 2" STREET LIGHT CONDUITS
- ⑩ SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

I am assuming that we did bore for fiber and SL.

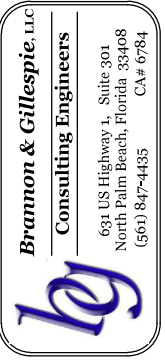


Digitally signed by
Danny P. Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
FIBER OPTIC AND STREET LIGHTING UTILITY CONSTRUCTION
LONGBOAT KEY, FLORIDA

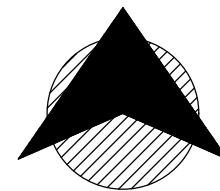


Date: 12/01/2019
Scale: AS NOTED
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Checked: DPB
Job # 2014-LBK

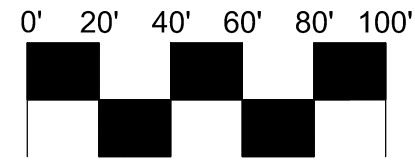
Sheet
14 OF 22

MATCHLINE-STA 360+73
FOR CONTINUATION SEE SHEET 13

MATCHLINE-STA 374+33
FOR CONTINUATION SEE SHEET 16



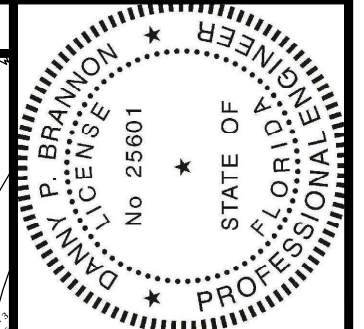
NORTH



SCALE

BORE RUNS:

- 12 92' (2) 2" HDPE FIBER OPTICS & (1) 2" STREET LIGHT CONDUITS
- 13 100' (2) 2" HDPE FIBER OPTICS & (1) 2" STREET LIGHT CONDUITS
- 14 83' (2) 2" HDPE FIBER OPTICS & (1) 2" STREET LIGHT CONDUITS
- 15 175' (2) 2" HDPE FIBER OPTICS & (1) 2" STREET LIGHT CONDUITS
- 16 175' (2) 2" HDPE FIBER OPTICS & (1) 2" STREET LIGHT CONDUITS
- 17 175' (2) 2" HDPE FIBER OPTICS & (1) 2" STREET LIGHT CONDUITS
- 97 65' (1) 2" STREET LIGHT CONDUIT
- X SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

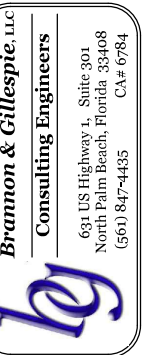


Digitally signed by
Danny P. Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

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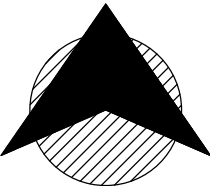
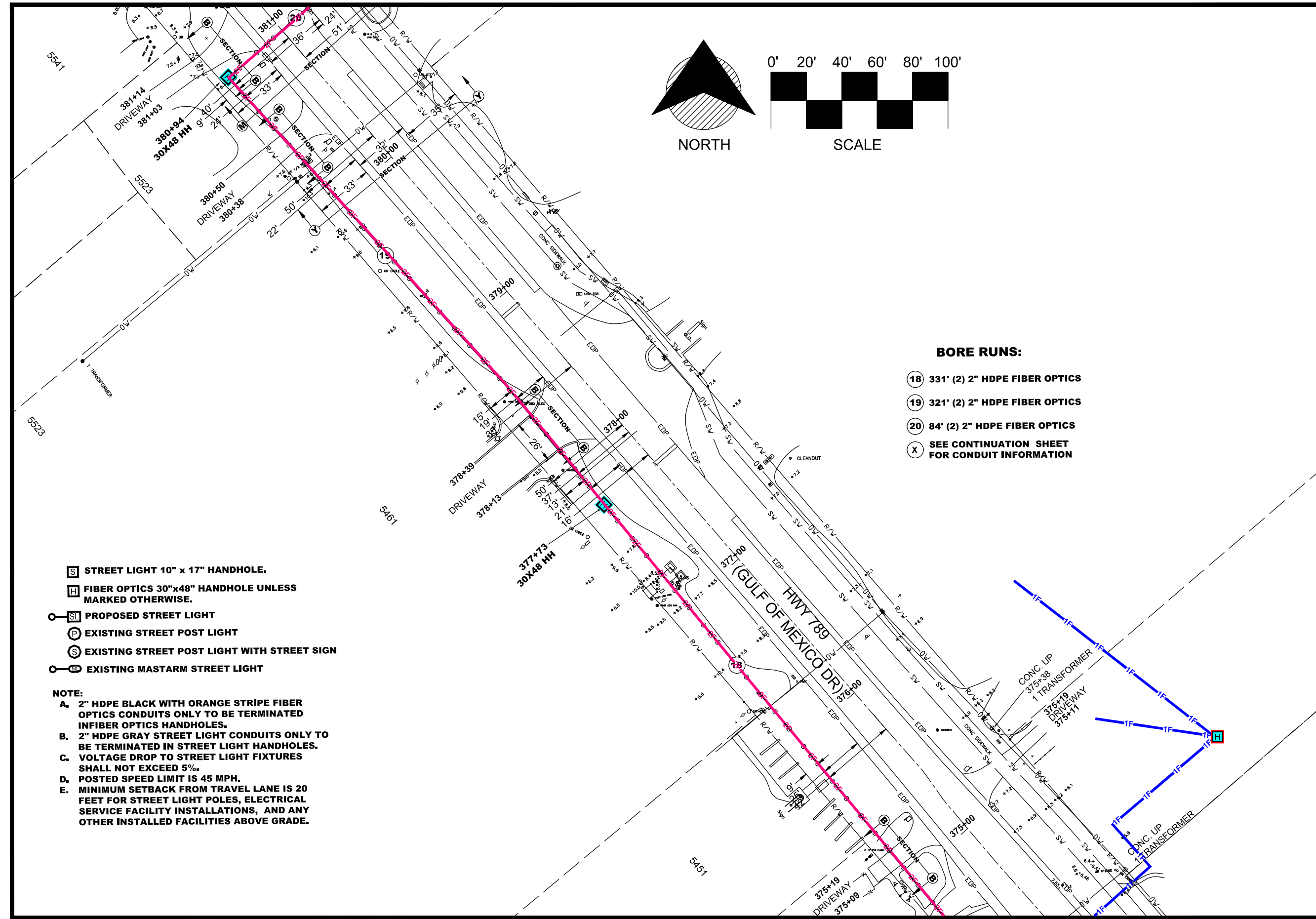
- [S] STREET LIGHT 10" x 17" HANDHOLE.
- [H] FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
- [SL] PROPOSED STREET LIGHT
- [P] EXISTING STREET POST LIGHT
- [S] EXISTING STREET POST LIGHT WITH STREET SIGN
- [M] EXISTING MASTARM STREET LIGHT

NOTE:

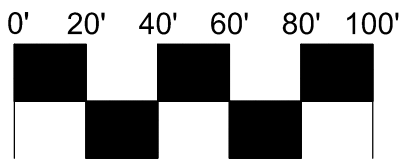
- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED IN FIBER OPTICS HANDHOLES.
- B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
- C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- D. POSTED SPEED LIMIT IS 45 MPH.
- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

MATCHLINE-STA 367+53
FOR CONTINUATION SEE SHEET 14

MATCHLINE-STA 381+14
FOR CONTINUATION SEE SHEET 17



NORTH



SCALE

BORE RUNS:

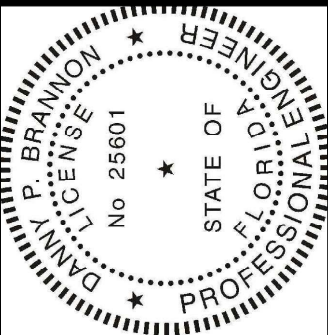
- 18 331' (2) 2" HDPE FIBER OPTICS
- 19 321' (2) 2" HDPE FIBER OPTICS
- 20 84' (2) 2" HDPE FIBER OPTICS
- X SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

- S STREET LIGHT 10" x 17" HANDHOLE.
- H FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
- SL PROPOSED STREET LIGHT
- P EXISTING STREET POST LIGHT
- S EXISTING STREET POST LIGHT WITH STREET SIGN
- MS EXISTING MASTARM STREET LIGHT

NOTE:

- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED INFIBER OPTICS HANDHOLES.
- B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
- C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- D. POSTED SPEED LIMIT IS 45 MPH.
- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

MATCHLINE-STA 374+33
FOR CONTINUATION SEE SHEET 15



Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

Danny P. Brannon

DANNY P. BRANNON, P. E.
FLORIDA P. E. NO. 25601

DATE

Town of Longboat Key

Brannon & Gillespie, LLC
Consulting Engineers
631 US Highway 1, Suite 301
North Palm Beach, Florida 33408
(561) 847-4435 CA# 6784

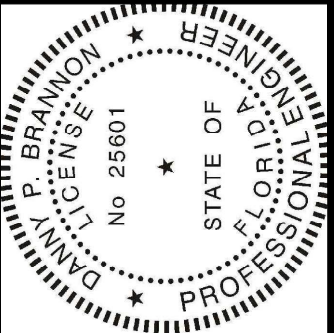
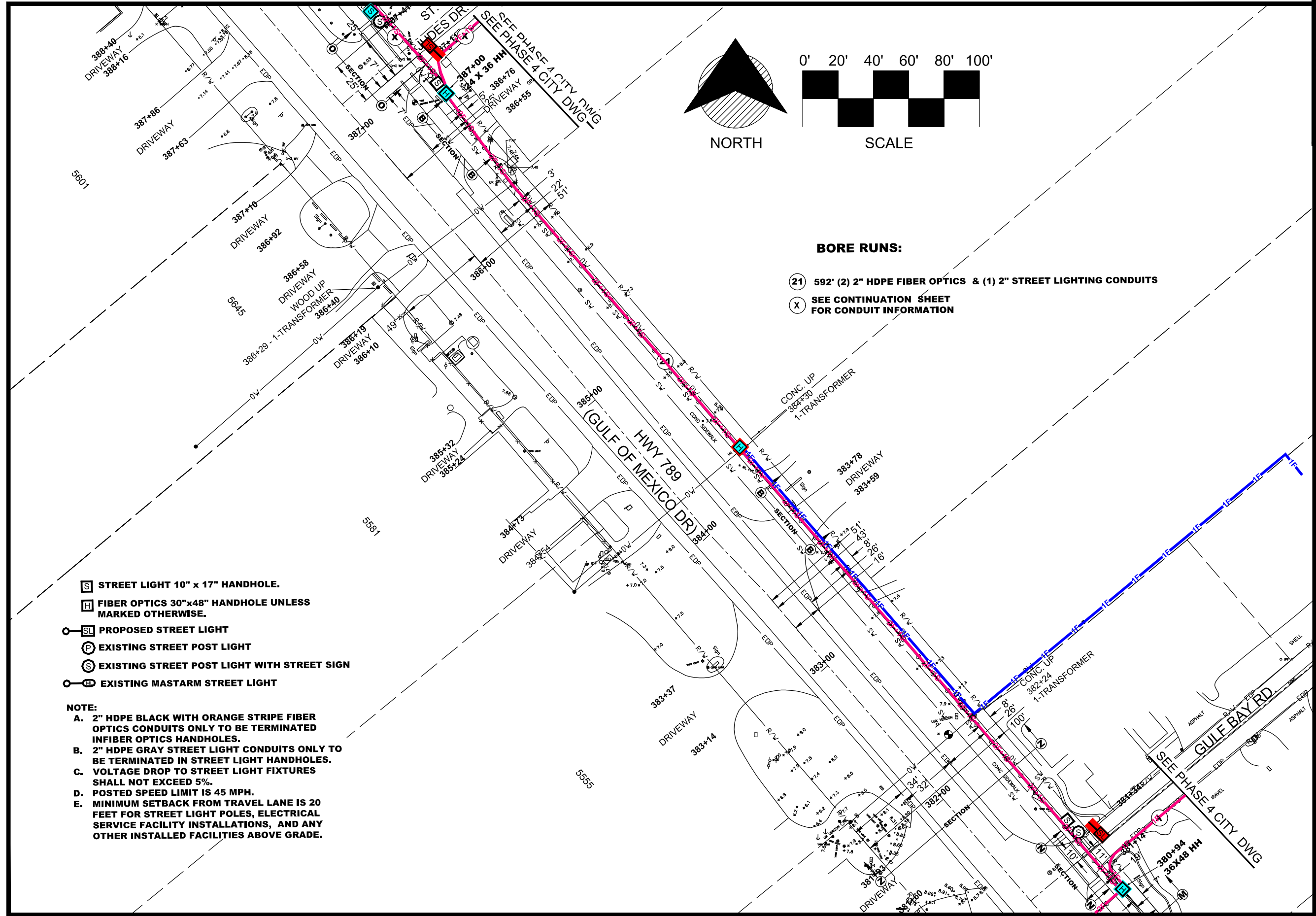
DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

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MATCHLINE-STA 387+95
FOR CONTINUATION SEE SHEET 18

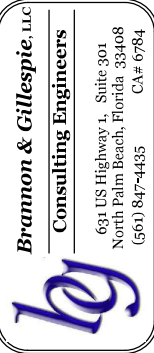


Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA

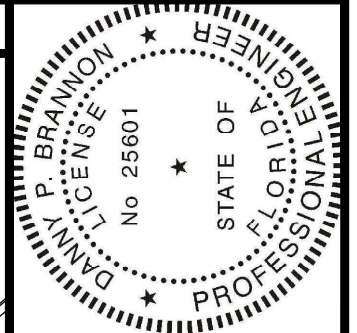


Date: 12/01/2019
Scale: AS NOTED
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Checked: DPB
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MATCHLINE-STA 381+14
FOR CONTINUATION SEE SHEET 16

MATCHLINE-STA 394+72
FOR CONTINUATION SEE SHEET 19

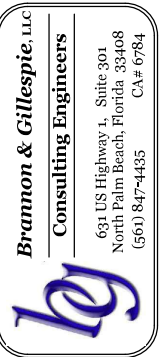


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Date: 2021.09.11
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Town of Longboat Key

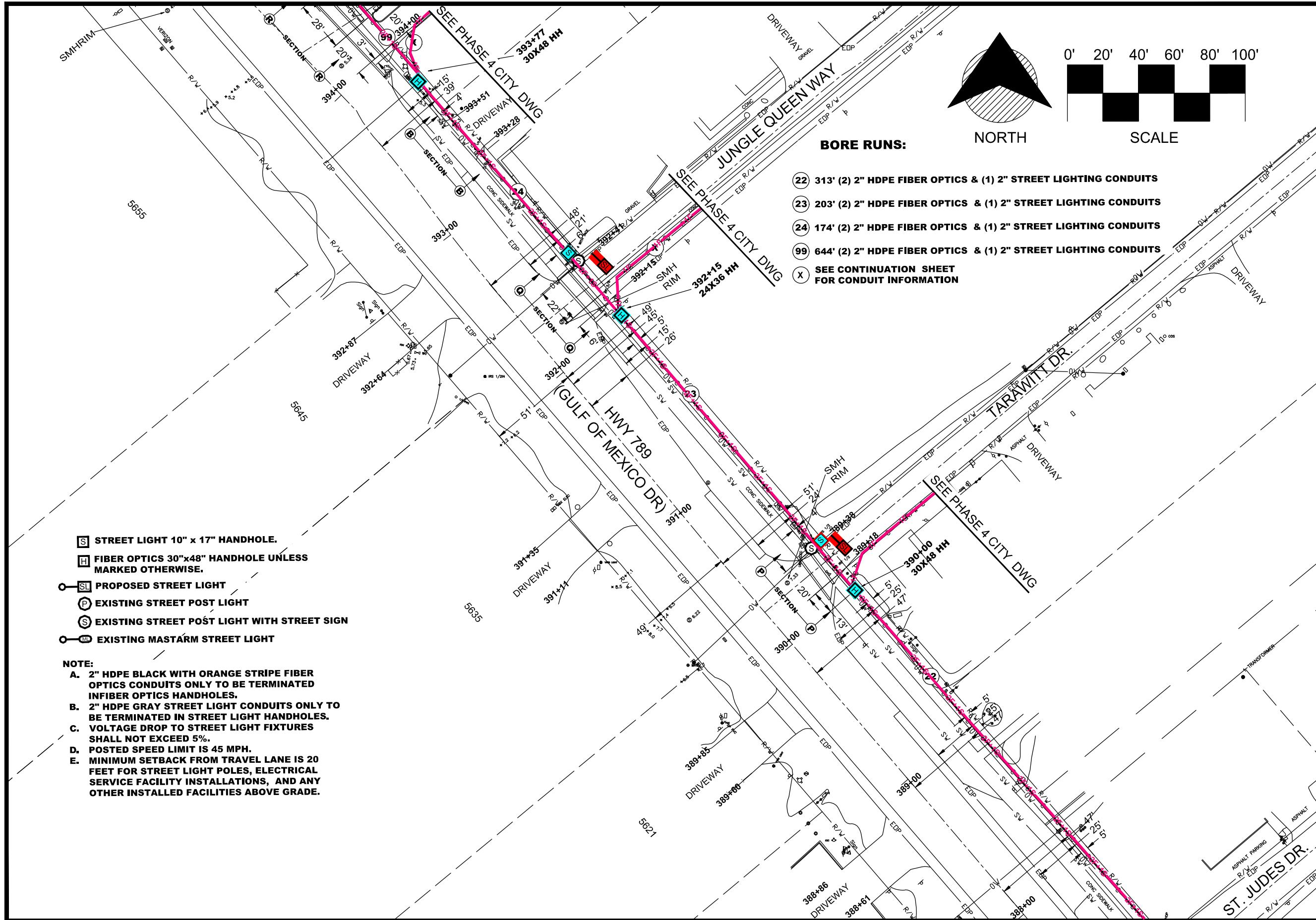


DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
Scale: AS NOTED
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Checked: DPB
Job # 2014-LBK

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MATCHLINE-STA 387+95
FOR CONTINUATION SEE SHEET 17

FPL OPEN DELTA TRANSFORMER BANK

NORTH

SCALE: 0' 20' 40' 60' 80' 100'

plus 1-2" St. Light

BORE RUNS:

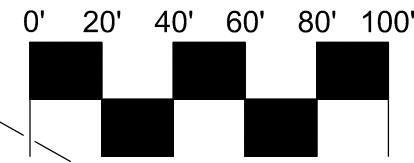
- (25) 751' (2) 2" HDPE FIBER OPTICS
- (98) 245' (1) 2" STREET LIGHT CONDUIT
- (99) 20' (1) 2" STREET LIGHT CONDUIT
- (X) SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

LEGEND:

- [S] STREET LIGHT 10" x 17" HANDHOLE.
- [H] FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
- [SL] PROPOSED STREET LIGHT
- [P] EXISTING STREET POST LIGHT
- [S] EXISTING STREET POST LIGHT WITH STREET SIGN
- [M] EXISTING MASTARM STREET LIGHT

NOTE:

- 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED IN FIBER OPTICS HANDHOLES.
- 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
- VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- POSTED SPEED LIMIT IS 45 MPH.
- MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.



SCALE

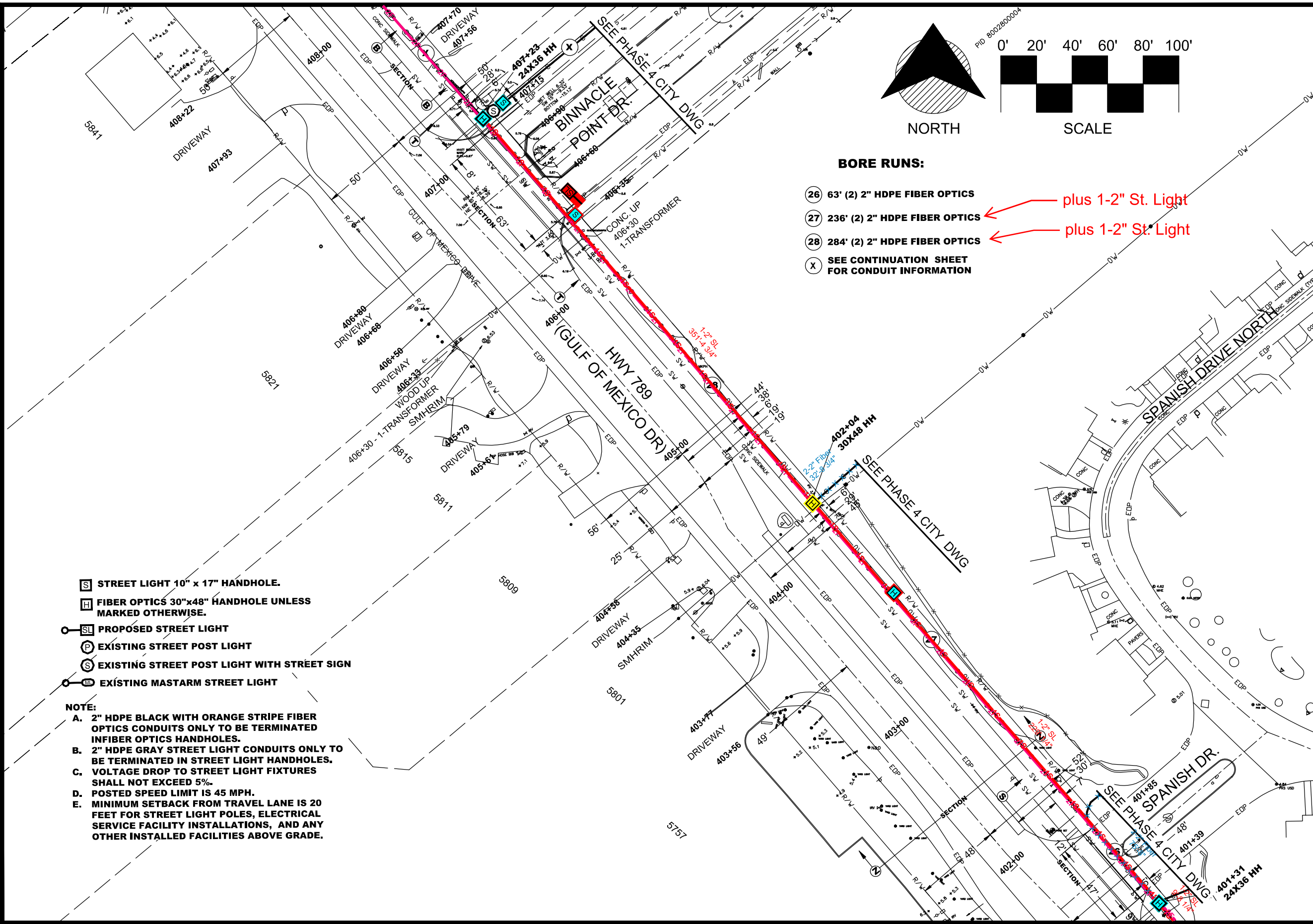
plus 1-2" St. Light

(25) 751' (2) 2" HDPE FIBER OPTICS
(98) 245' (1) 2" STREET LIGHT CONDUIT
(99) 20' (1) 2" STREET LIGHT CONDUIT
(X) SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

- NOTE:**
- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED INFIBER OPTICS HANDHOLES.**
 - B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.**
 - C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.**
 - D. POSTED SPEED LIMIT IS 45 MPH.**
 - E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.**

Sheet
19 OF 22

MATCHLINE-STA 408+38
FOR CONTINUATION SEE SHEET 21



BORE RUNS:

- 26 63' (2) 2" HDPE FIBER OPTICS
- 27 236' (2) 2" HDPE FIBER OPTICS
- 28 284' (2) 2" HDPE FIBER OPTICS
- X SEE CONTINUATION SHEET FOR CONDUIT INFORMATION

plus 1-2" St. Light

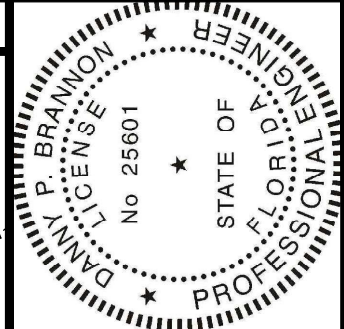
plus 1-2" St. Light

- SL STREET LIGHT 10" x 17" HANDHOLE.
- FH FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
- SL PROPOSED STREET LIGHT
- P EXISTING STREET POST LIGHT
- S EXISTING STREET POST LIGHT WITH STREET SIGN
- M EXISTING MASTARM STREET LIGHT

NOTE:

- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED IN FIBER OPTICS HANDHOLES.
- B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
- C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- D. POSTED SPEED LIMIT IS 45 MPH.
- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

MATCHLINE-STA 401+55
FOR CONTINUATION SEE SHEET 19

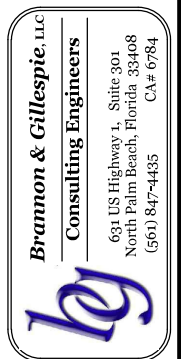


Digitally signed by
Danny P. Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

Town of Longboat Key



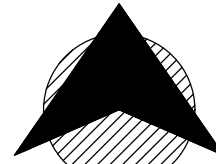
DRAWINGS FOR:
FIBER OPTIC AND STREET LIGHTING UTILITY CONSTRUCTION
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

Sheet
20 OF 22

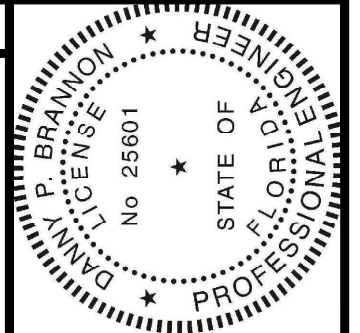
MATCHLINE-STA 415+18
FOR CONTINUATION SEE SHEET 22



NORTH

0' 20' 40' 60' 80' 100'

SCALE

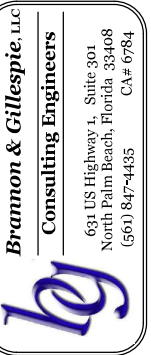


Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P.E. NO. 25601

DATE

Town of Longboat Key



DRAWINGS FOR:
**FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION**
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

Sheet
21 OF 22

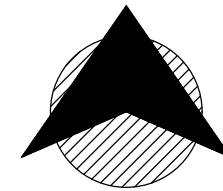
MATCHLINE-STA 408+38
FOR CONTINUATION SEE SHEET 20

- [S] STREET LIGHT 10" x 17" HANDHOLE.
- [H] FIBER OPTICS 30"x48" HANDHOLE UNLESS MARKED OTHERWISE.
- [SL] PROPOSED STREET LIGHT
- [P] EXISTING STREET POST LIGHT
- [S] EXISTING STREET POST LIGHT WITH STREET SIGN
- [M] EXISTING MASTARM STREET LIGHT

NOTE:

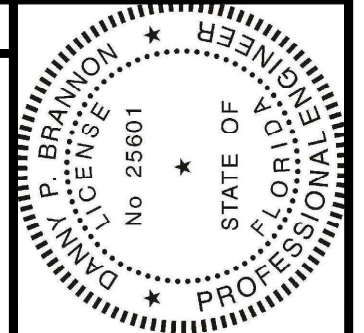
- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED INFIBER OPTICS HANDHOLES.
- B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
- C. VOLTAGE DROP TO STREET LIGHT FIXTURES SHALL NOT EXCEED 5%.
- D. POSTED SPEED LIMIT IS 45 MPH.
- E. MINIMUM SETBACK FROM TRAVEL LANE IS 20 FEET FOR STREET LIGHT POLES, ELECTRICAL SERVICE FACILITY INSTALLATIONS, AND ANY OTHER INSTALLED FACILITIES ABOVE GRADE.

- (29) 1111' (2) 2" HDPE FIBER OPTICS
- (X) SEE CONTINUATION SHEET FOR CONDUIT INFORMATION



0' 20' 40' 60' 80' 100'

SCALE



Digitally signed by
Danny P Brannon
Date: 2021.09.11
16:25:18 -04'00'

DANNY P. BRANNON, P.E.
FLORIDA P. E. NO. 25601

DATE

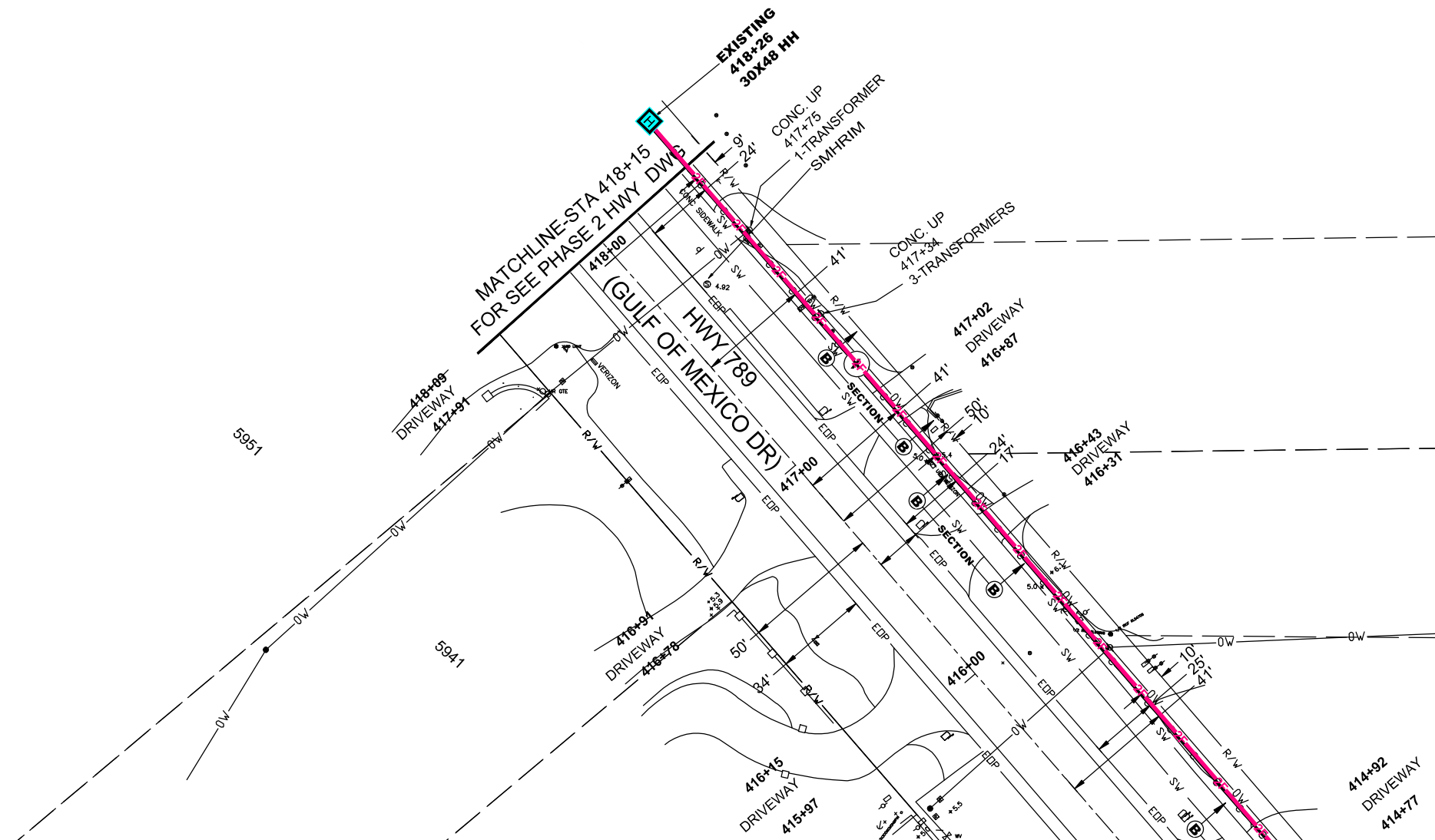
BORE RUNS:

(X) SEE CONTINUATION SHEET
FOR CONDUIT INFORMATION

- [S] STREET LIGHT 10" x 17" HANDHOLE.
- [H] FIBER OPTICS 30"x48" HANDHOLE UNLESS
MARKED OTHERWISE.
- [SL] PROPOSED STREET LIGHT
- [P] EXISTING STREET POST LIGHT
- [S] EXISTING STREET POST LIGHT WITH STREET SIGN
- [M] EXISTING MASTARM STREET LIGHT

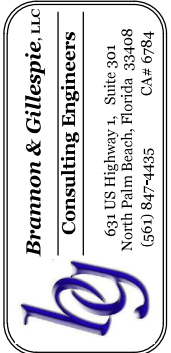
NOTE:

- A. 2" HDPE BLACK WITH ORANGE STRIPE FIBER OPTICS CONDUITS ONLY TO BE TERMINATED INFIBER OPTICS HANDHOLES.
- B. 2" HDPE GRAY STREET LIGHT CONDUITS ONLY TO BE TERMINATED IN STREET LIGHT HANDHOLES.
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MATCHLINE-STA 415+18
FOR CONTINUATION SEE SHEET 21

Town of Longboat Key



DRAWINGS FOR:
FIBER OPTIC AND STREET
LIGHTING UTILITY
CONSTRUCTION
LONGBOAT KEY, FLORIDA



Date: 12/01/2019
Scale: AS NOTED
Drawn: DPB
Checked: DPB
Job # 2014-LBK

Sheet
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