

INSTALLATION OF TOWN OWNED PATHWAY LIGHTING FACILITIES

END LOCATION
STATE ROAD 789
SECTION 13080000
MILE POST 3.822

Longboat Key

Bayshore

DRAWING LEGEND

COVER

SHEET KEY MAP: 1-2

SHEET 1-39: CONSTRUCTION PLANS

C1-SECTION DETAILS

D1- GMD POLE DETAIL

D2- POLE WIRING DETAIL

D3- PANEL RACK DETAIL

alle vast

STARTING LOCATION
START STATE ROAD
789
SECTION 17030401
MILE POST .648



811 TICKET #: 204504315,
204504091, 20404879, 20450579,
204505335



Know what's below.
Call before you dig.

UNESCO

N

TOWN OF LONGBOAT KEY

DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA



DATE: 09/09/25

SCALE: N.T.S.

DRAWN BY: KJW

DESIGNED BY: AKD

SHEET:

COVER

REVISIONS

	DESCRIPTIONS	INTIAL
08/11/25	ORIGINAL	AKD
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD

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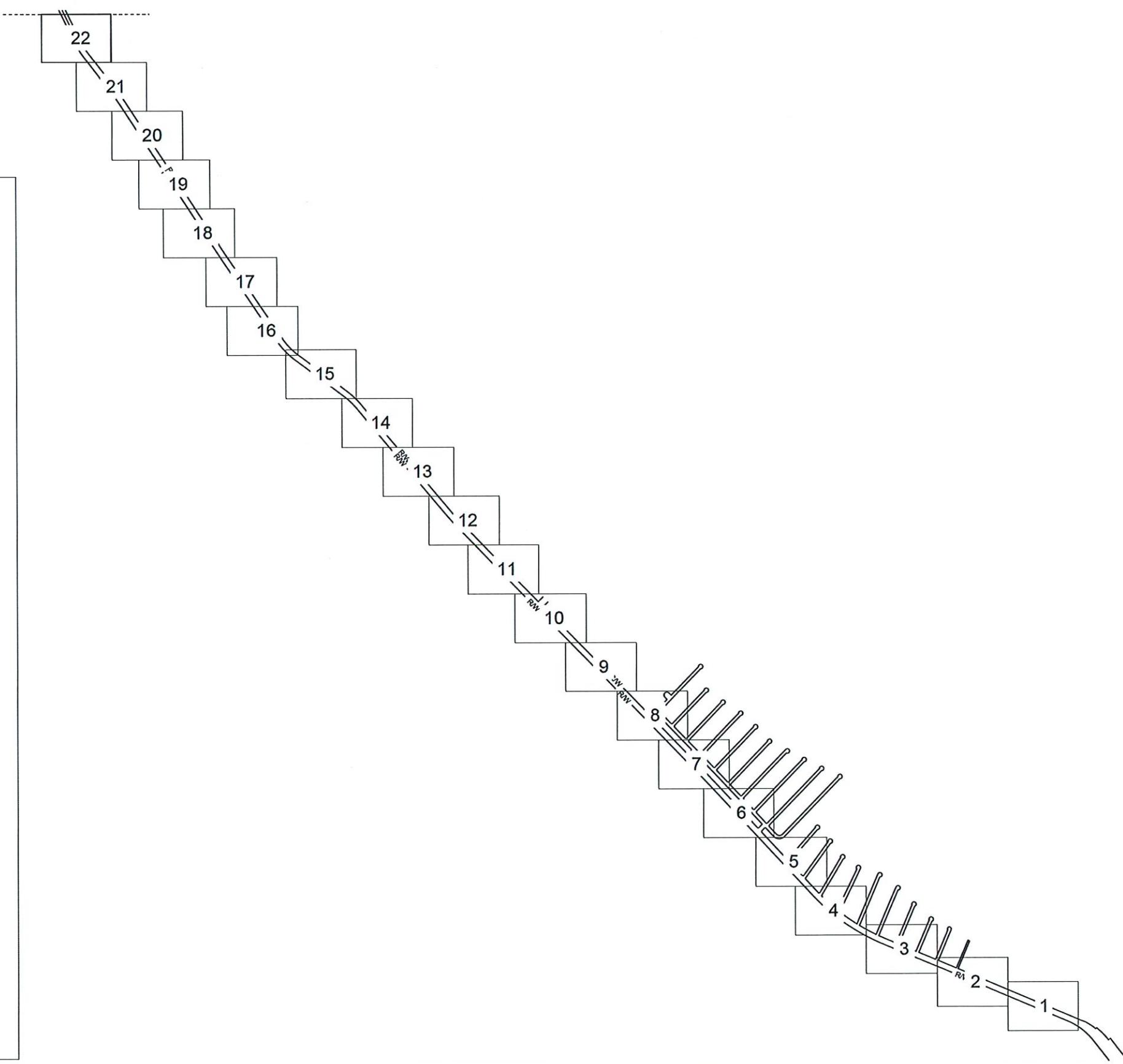
TOWN OF LONGBOAT KEY

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CONSTRUCTION

LONGBOAT KEY, FLORIDA



DATE:	09/09/25
SCALE:	N.T.S.
DRAWN BY:	KJW
DESIGNED BY:	AKD
SHEET:	KEY MAP 1



REVISIONS

	DESCRIPTIONS	INITIAL
08/11/25	ORIGINAL	AKD
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD

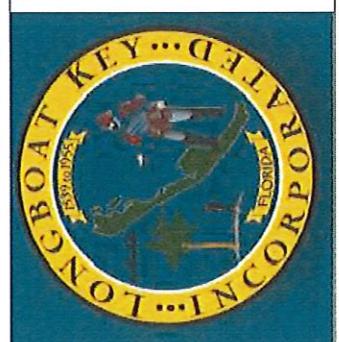
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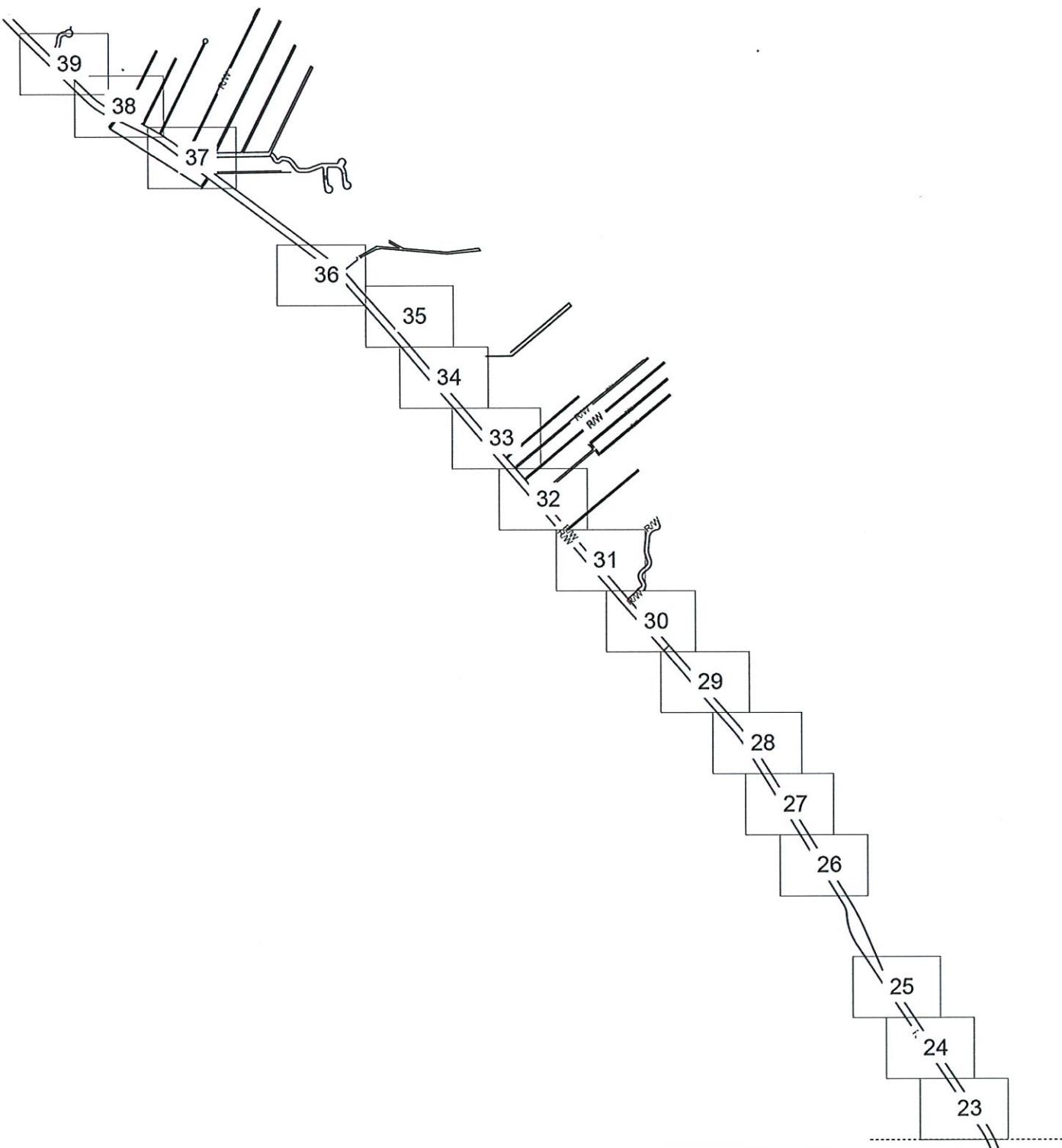
SCALE: N.T.S.

DRAWN BY: KJW

DESIGNED BY: AKD

SHEET:

KEY MAP 2



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
H	PROPOSED HANHOLE



REVISIONS

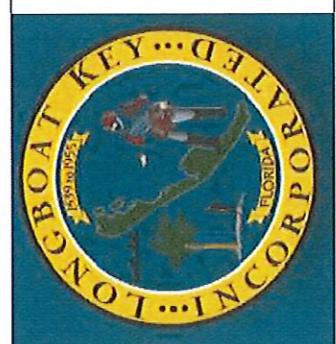
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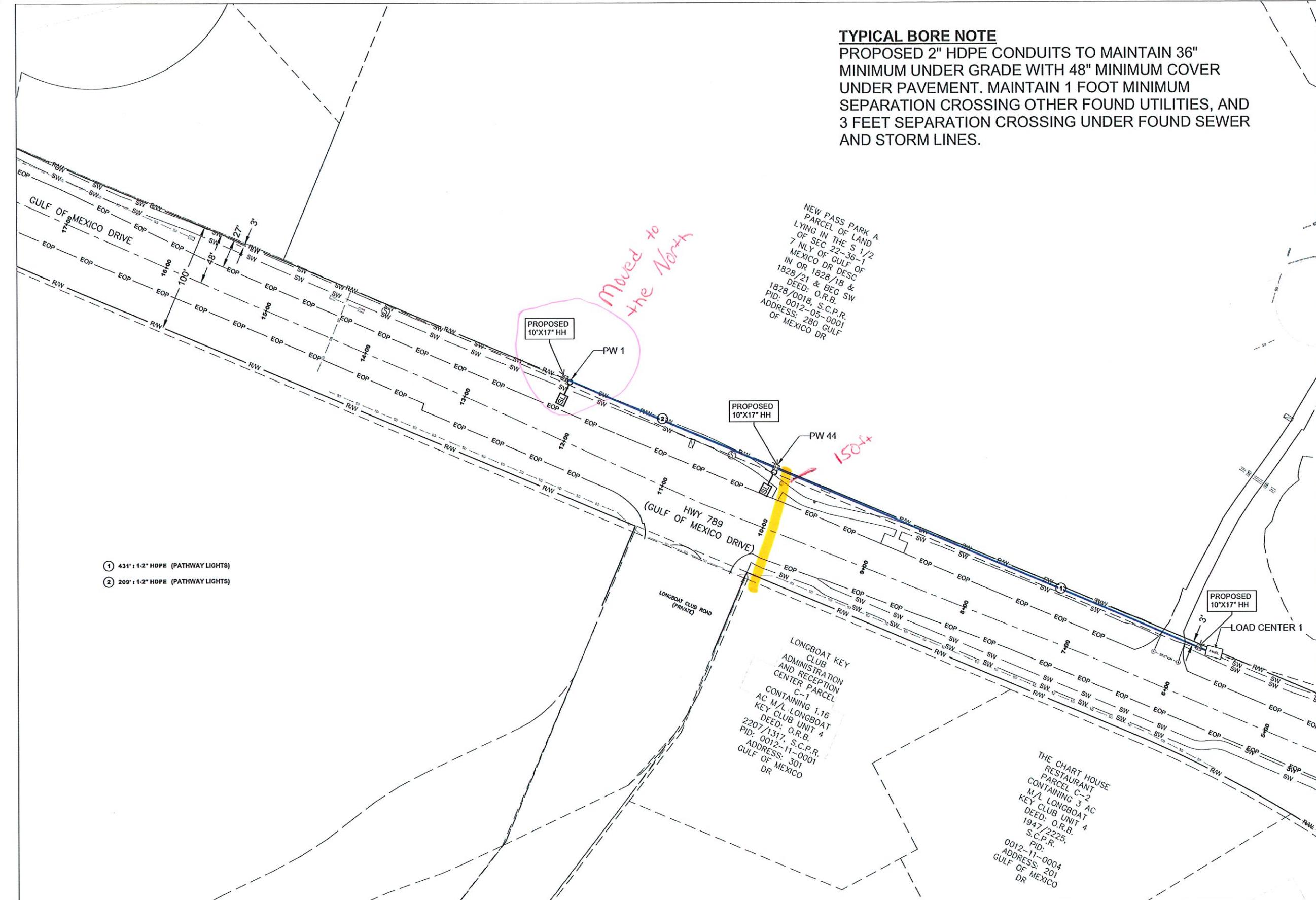
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DRAWN BY:	KJW
DESIGNED BY:	AKD
SHEET:	1 OF 39

TYPICAL BORE NOTE

PROPOSED 2" HDPE CONDUITS TO MAINTAIN 36" MINIMUM UNDER GRADE WITH 48" MINIMUM COVER UNDER PAVEMENT. MAINTAIN 1 FOOT MINIMUM SEPARATION CROSSING OTHER FOUND UTILITIES, AND 3 FEET SEPARATION CROSSING UNDER FOUND SEWER AND STORM LINES.

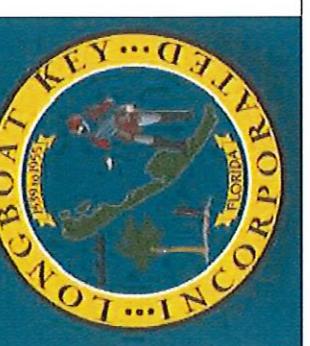
NEW PASS PARK A
PARCEL OF LAND
LYING IN THE S 1/2
OF SEC 22-36-1
7 NLY OF GULF OF
MEXICO DR DESC
IN OR 1828/18 &
1828/21 & BEG SW
DEED: O.R.B.
PID: 0012-05-0001
ADDRESS: 280 GULF
OF MEXICO DR

- ① 431' 1-2" HDPE (PATHWAY LIGHTS)
- ② 209' 1-2" HDPE (PATHWAY LIGHTS)



	DESCRIPTIONS	INITIAL
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TOWN OF LONGBOAT KEY



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CONSTRUCTION

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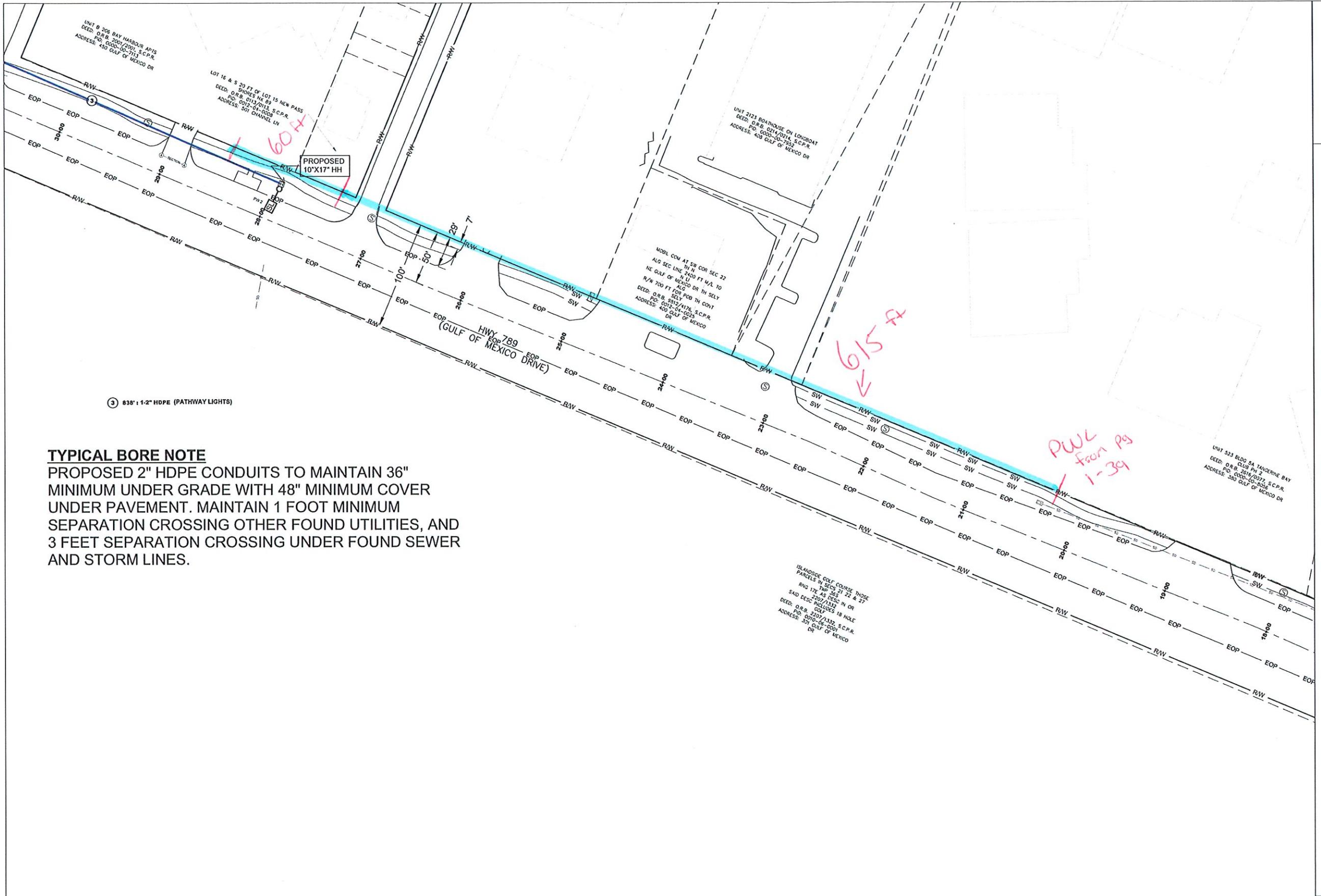
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DRAWN BY: KJW

DESIGNED BY: AKD

SHEET:

2 OF 39



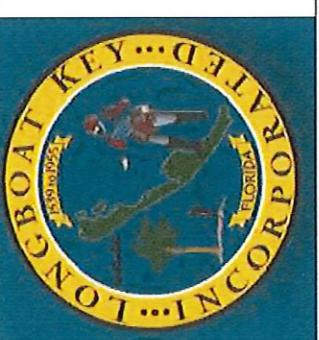
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REVISIONS

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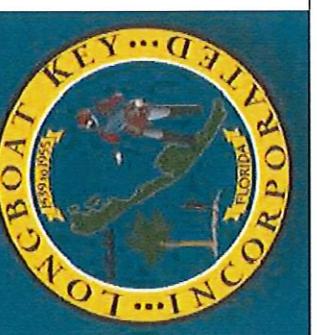
CONSTRUCTION PLAN





TOWN OF LONGBOAT KEY

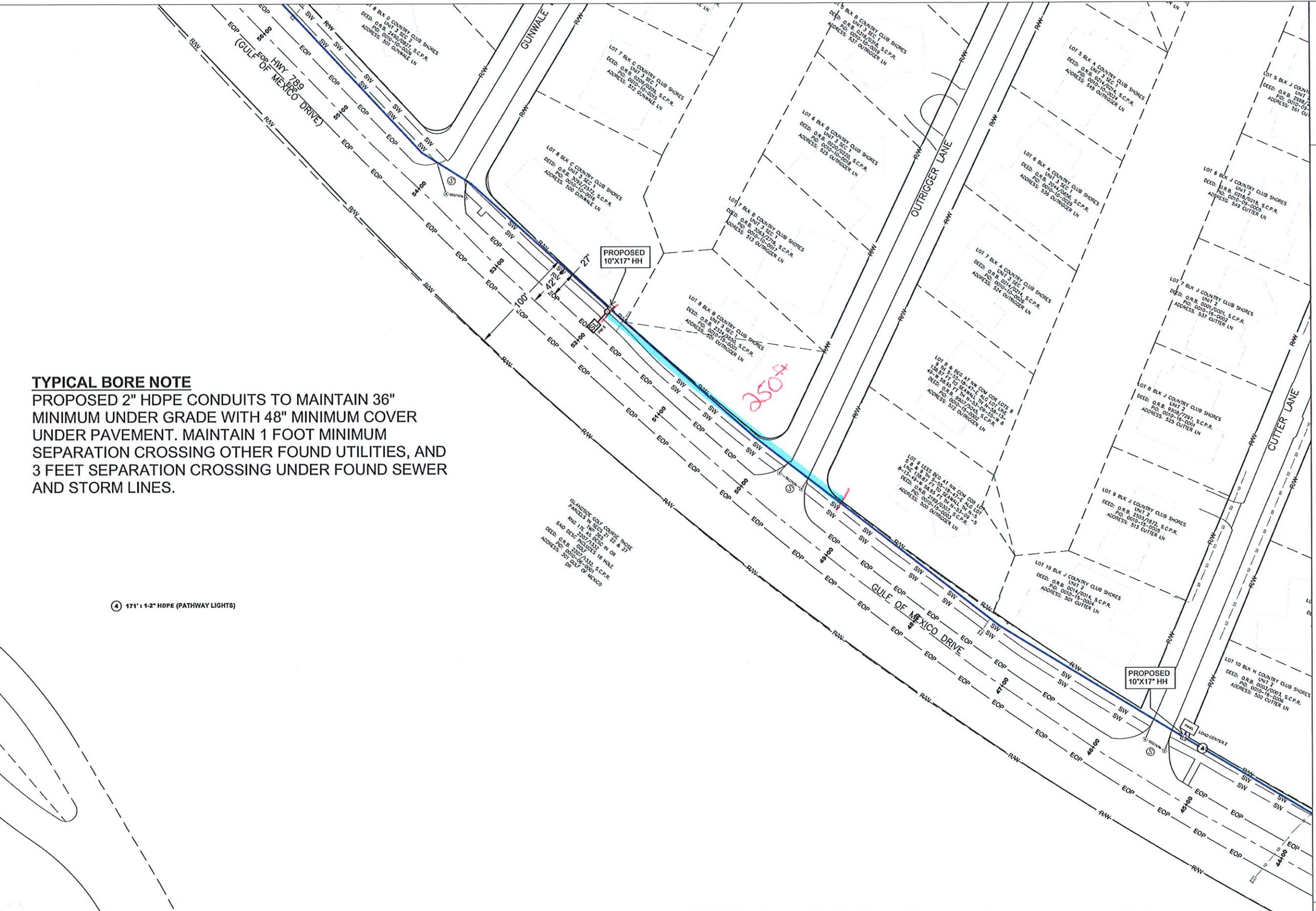
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CONSTRUCTION



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DESIGNED BY:	AKD

SHEET: 4 OF 39

CONSTRUCTION PLAN

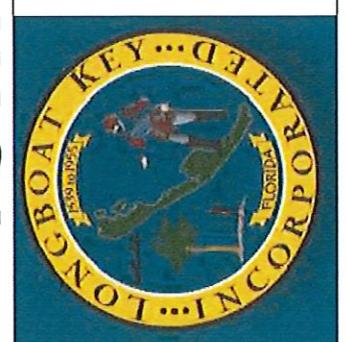


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LONGBOAT KEY

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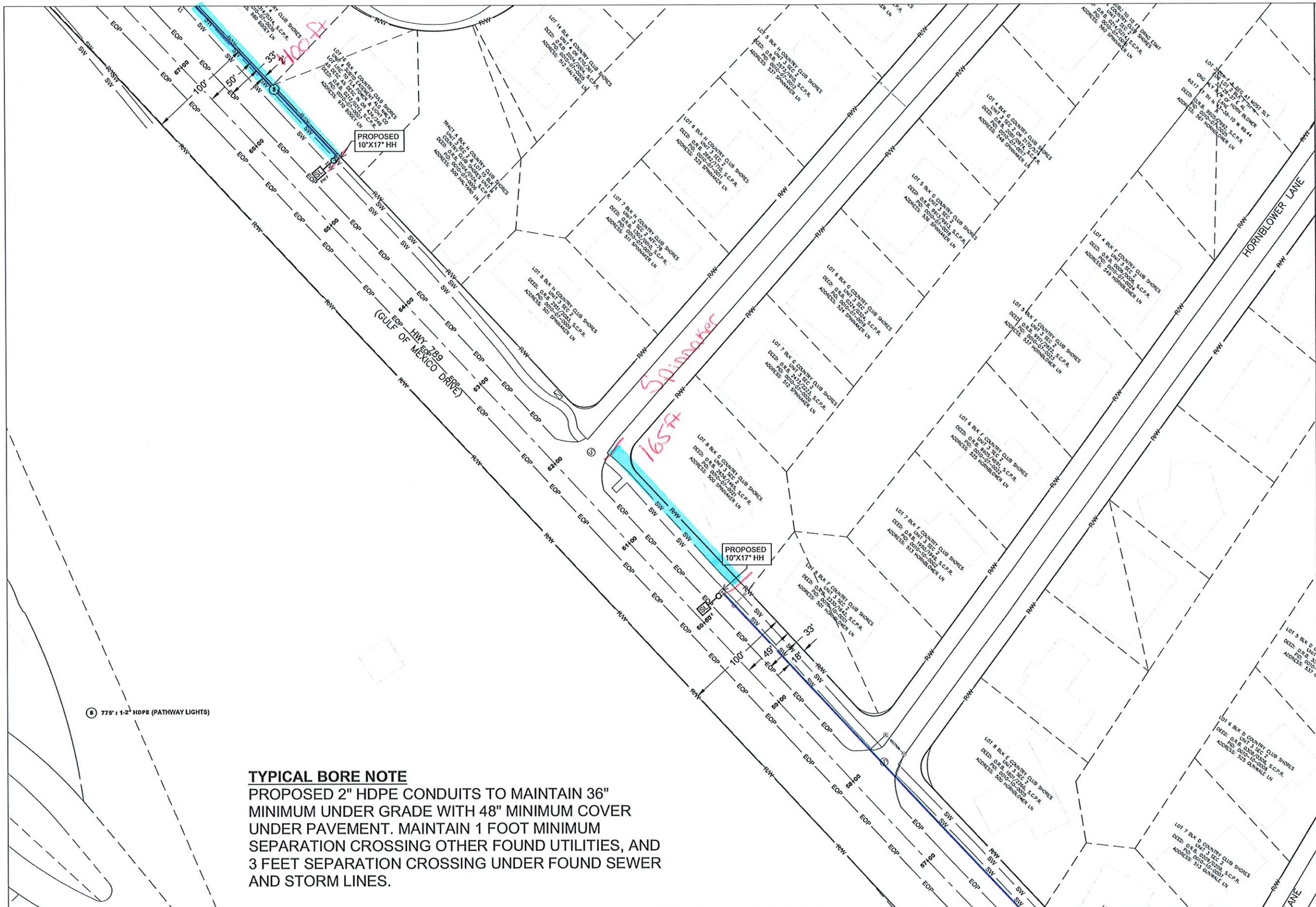
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DRAWN BY: KJW

DESIGNED BY: AKD

SHEET: 5 OF 39

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TYPICAL BORE NOTE

PROPOSED 2" HDPE CONDUITS TO MAINTAIN 36" MINIMUM UNDER GRADE WITH 48" MINIMUM COVER UNDER PAVEMENT. MAINTAIN 1 FOOT MINIMUM SEPARATION CROSSING OTHER FOUND UTILITIES, AND 3 FEET SEPARATION CROSSING UNDER FOUND SEWER AND STORM LINES.



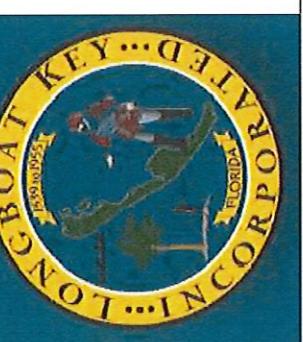
CONSTRUCTION PLAN

REVISIONS

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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD

TOWN OF LONGBOAT KEY

DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION



DATE: 09/09/25

SCALE: 1:40

DRAWN BY: KJW

DESIGNED BY: AKD

SHEET:

88

6 OF 39

REVISIONS

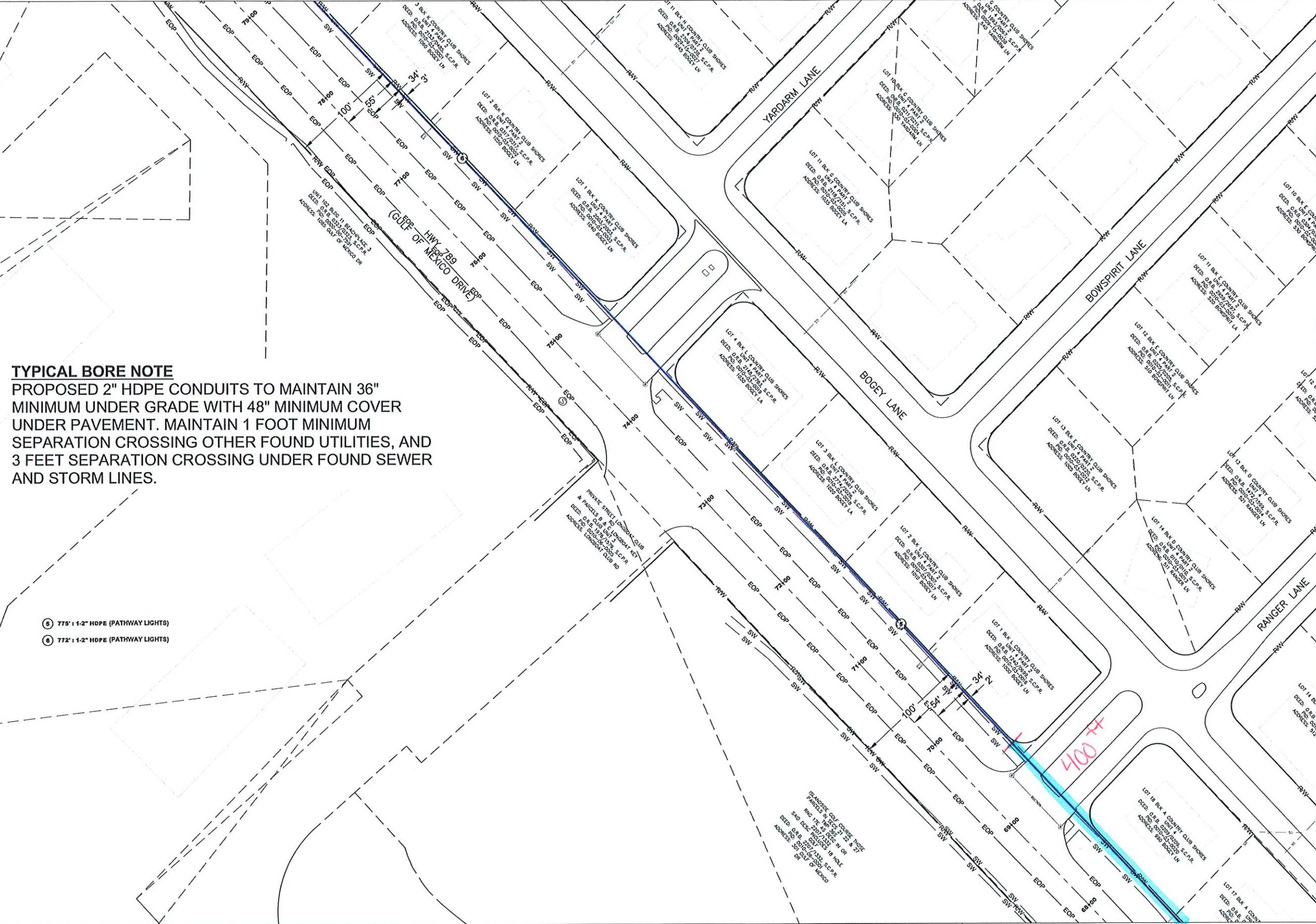
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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD	SHEET:

CONSTRUCTION PLAN

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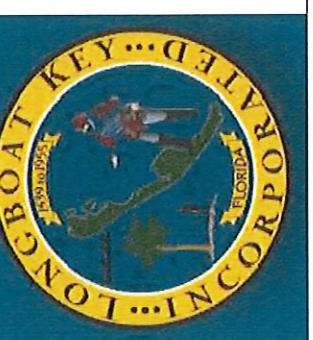
- ⑤ 775' : 1-2" HDPE (PATHWAY LIGHTS)
- ⑥ 772' : 1-2" HDPE (PATHWAY LIGHTS)



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DRAWN BY: KJW

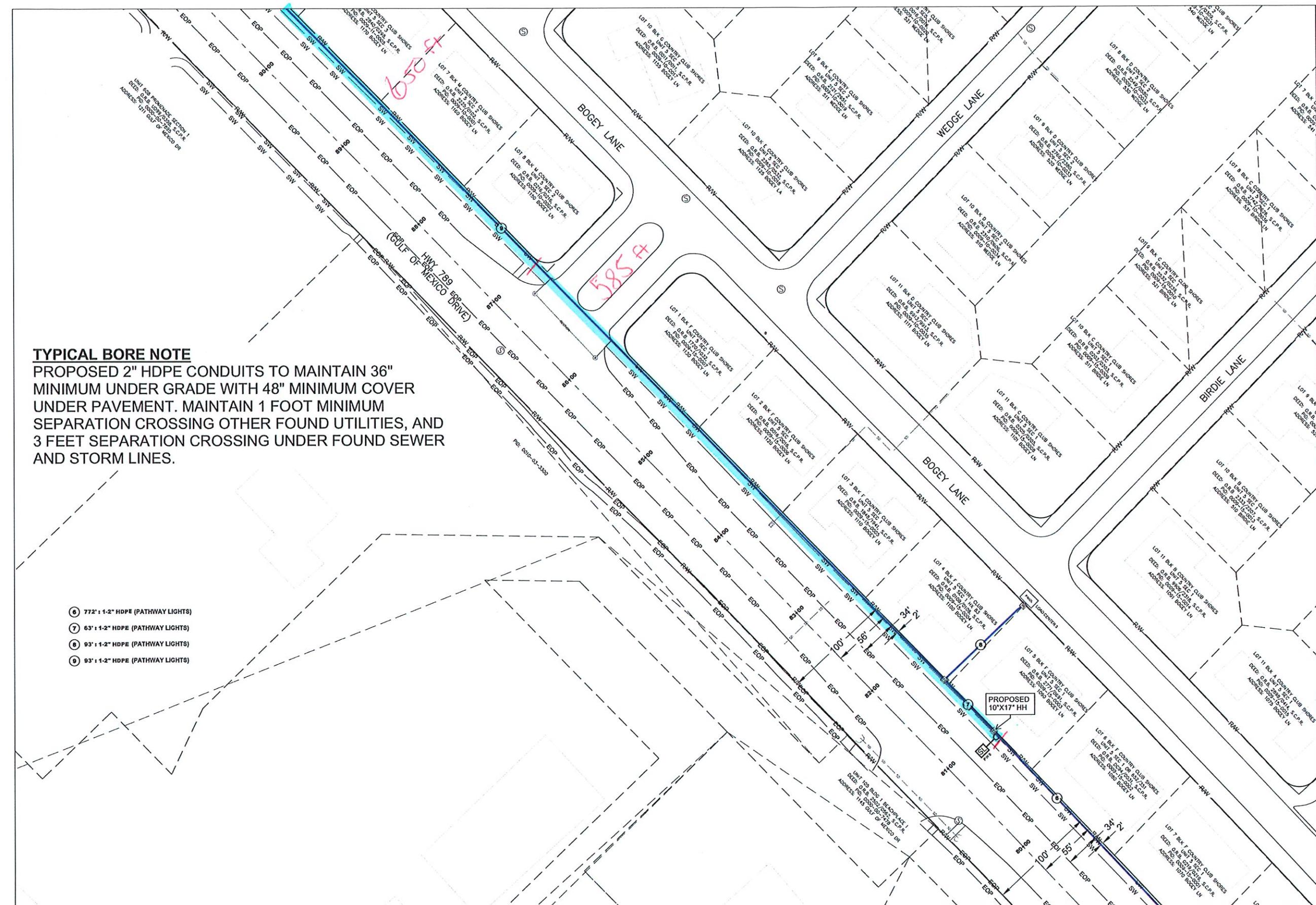
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SHEET: 7 OF 39

CONSTRUCTION PLAN

REVISIONS

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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD

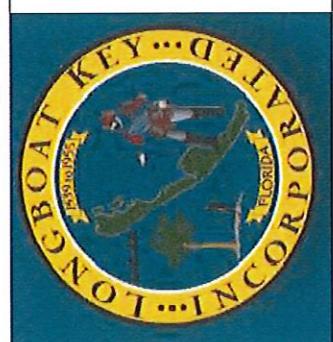


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PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA



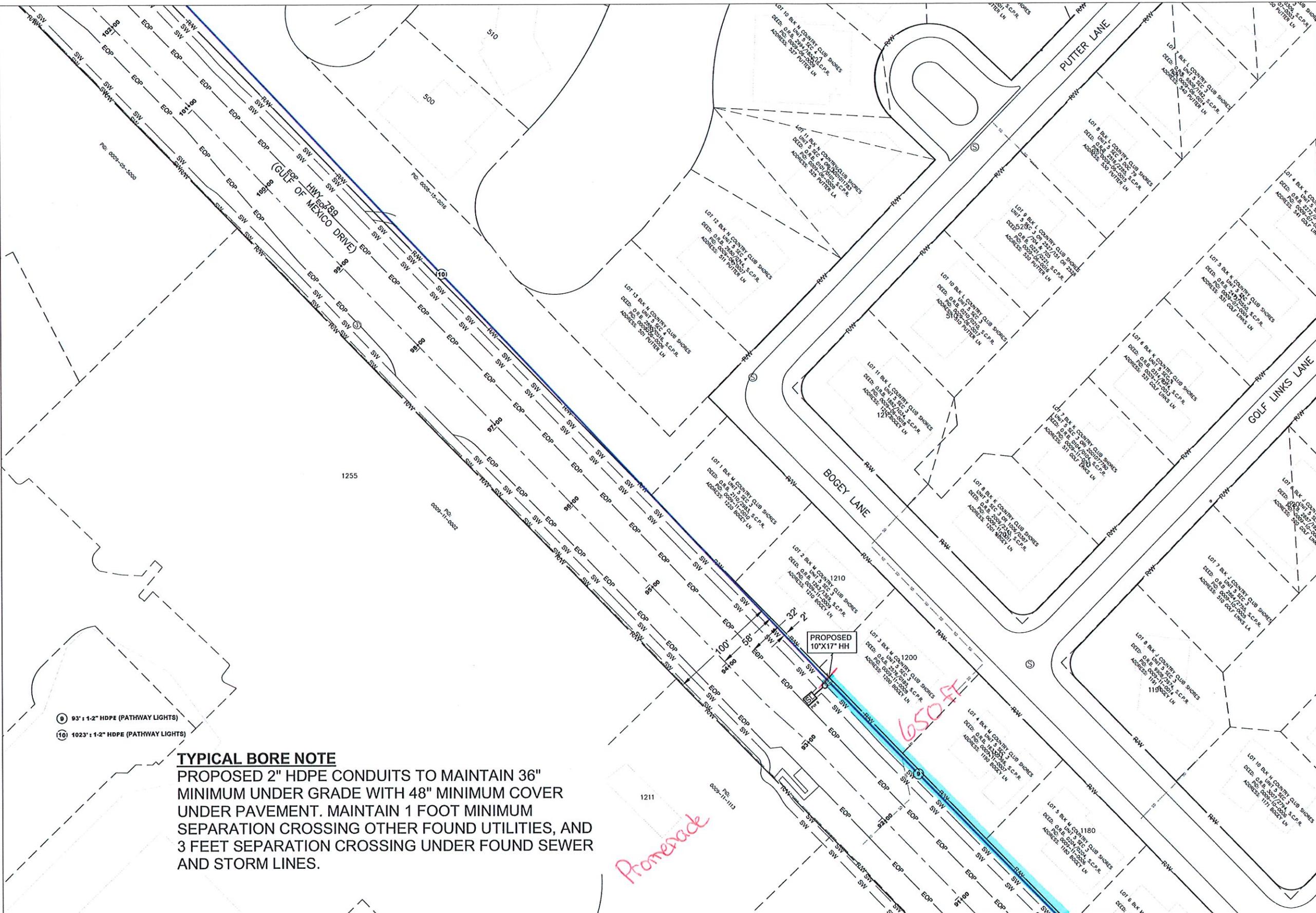
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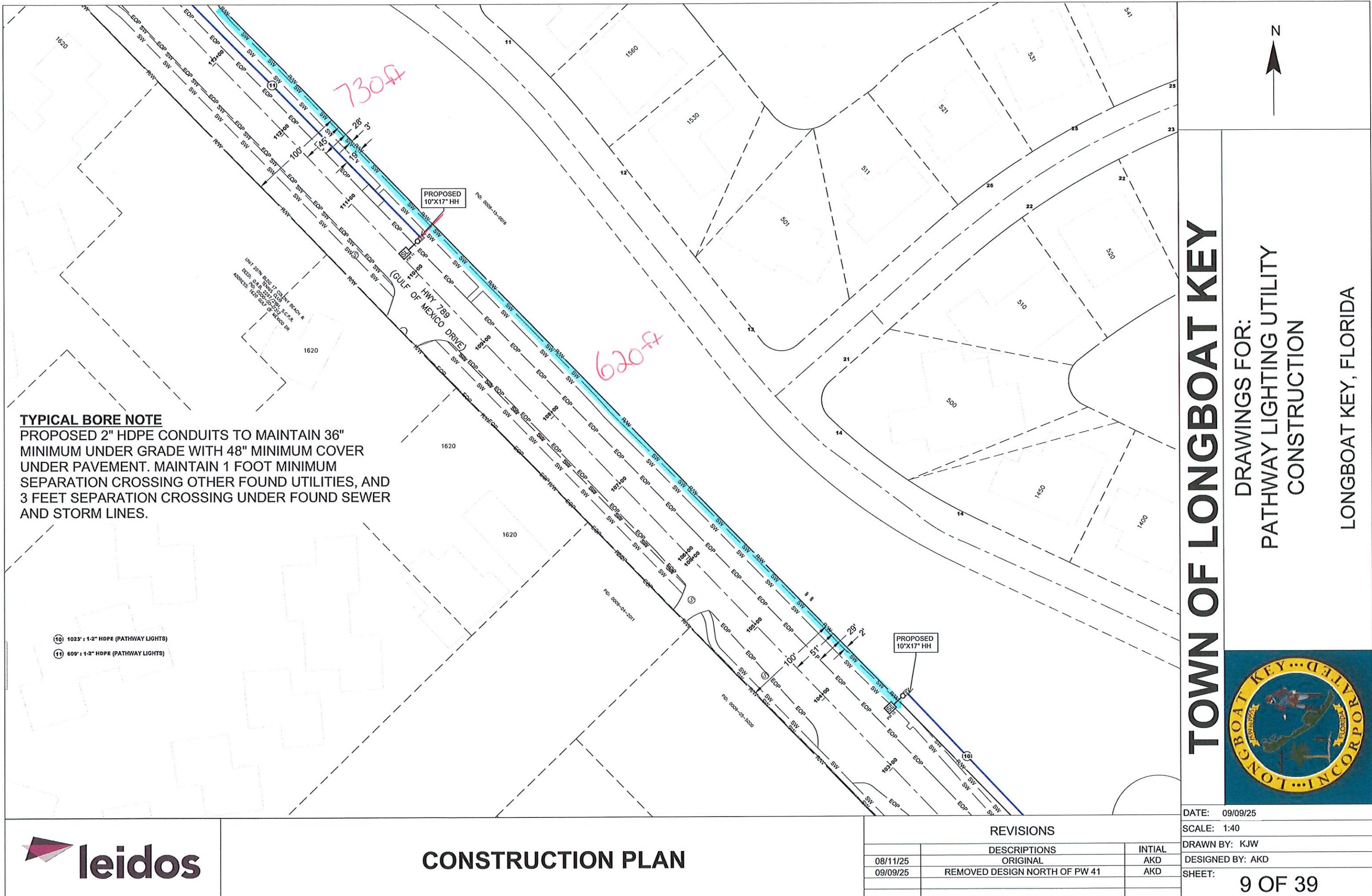
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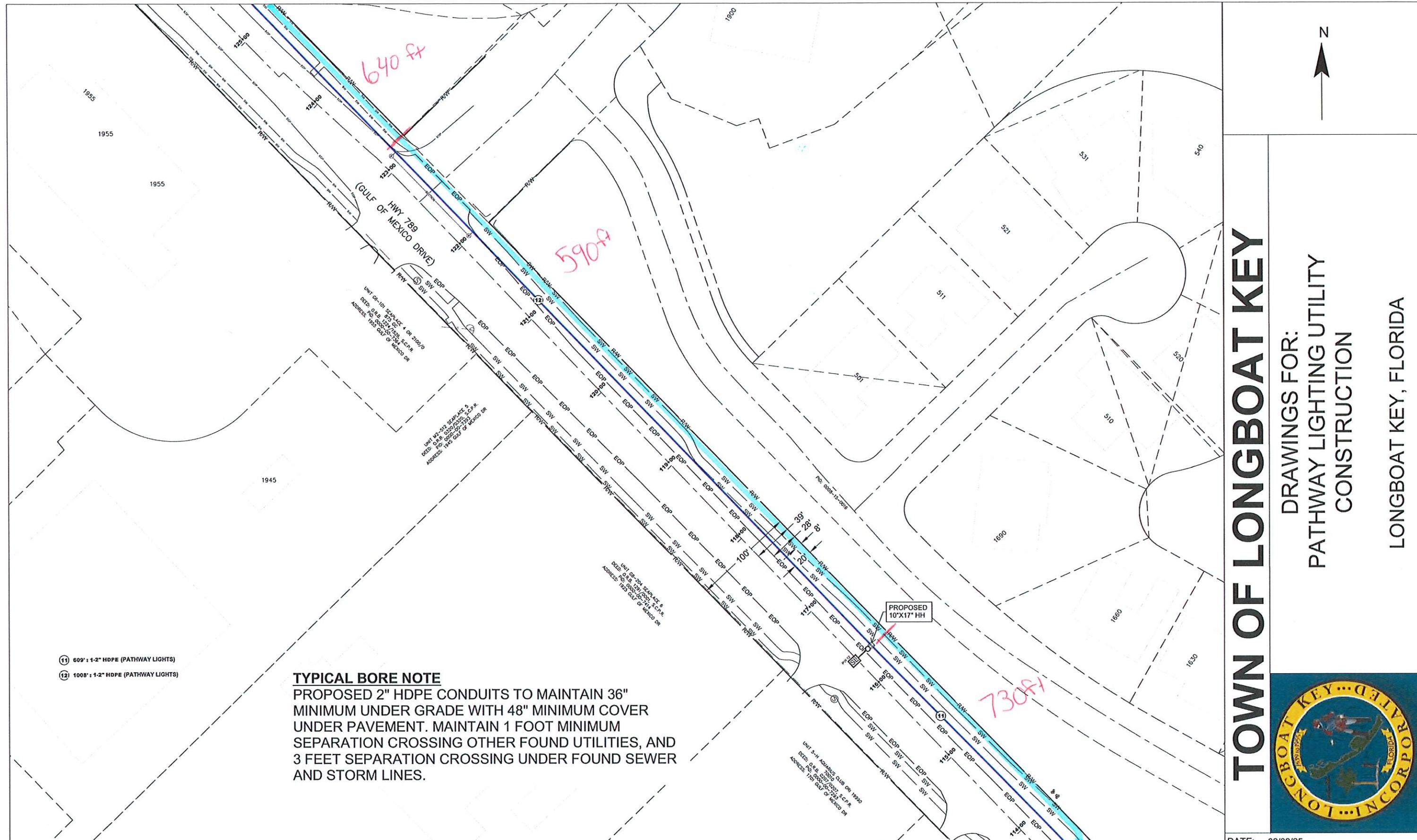
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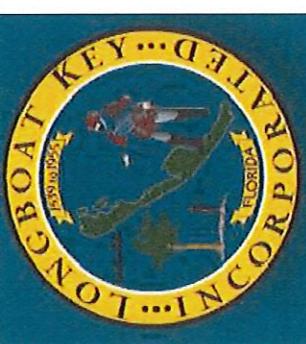




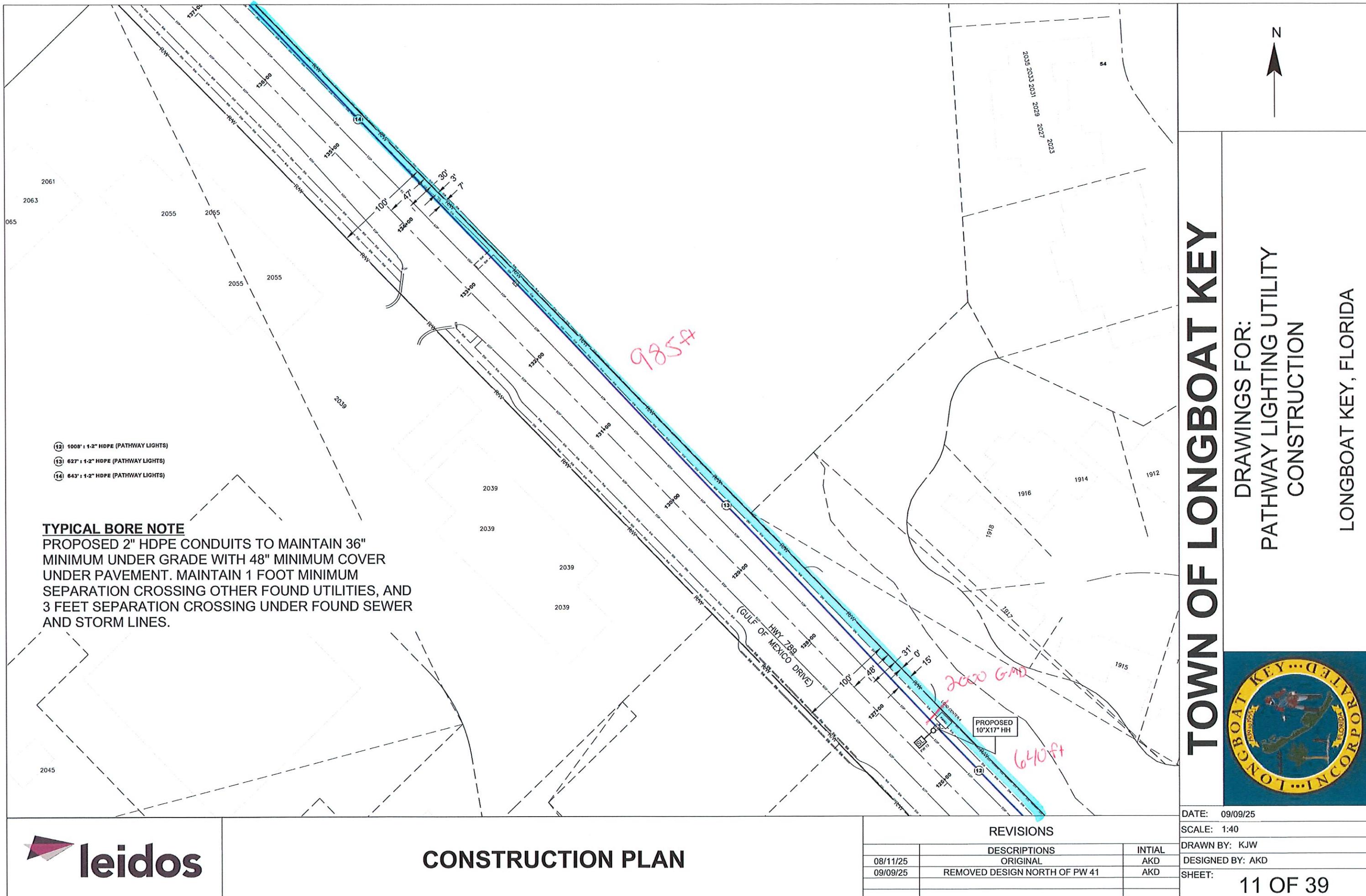
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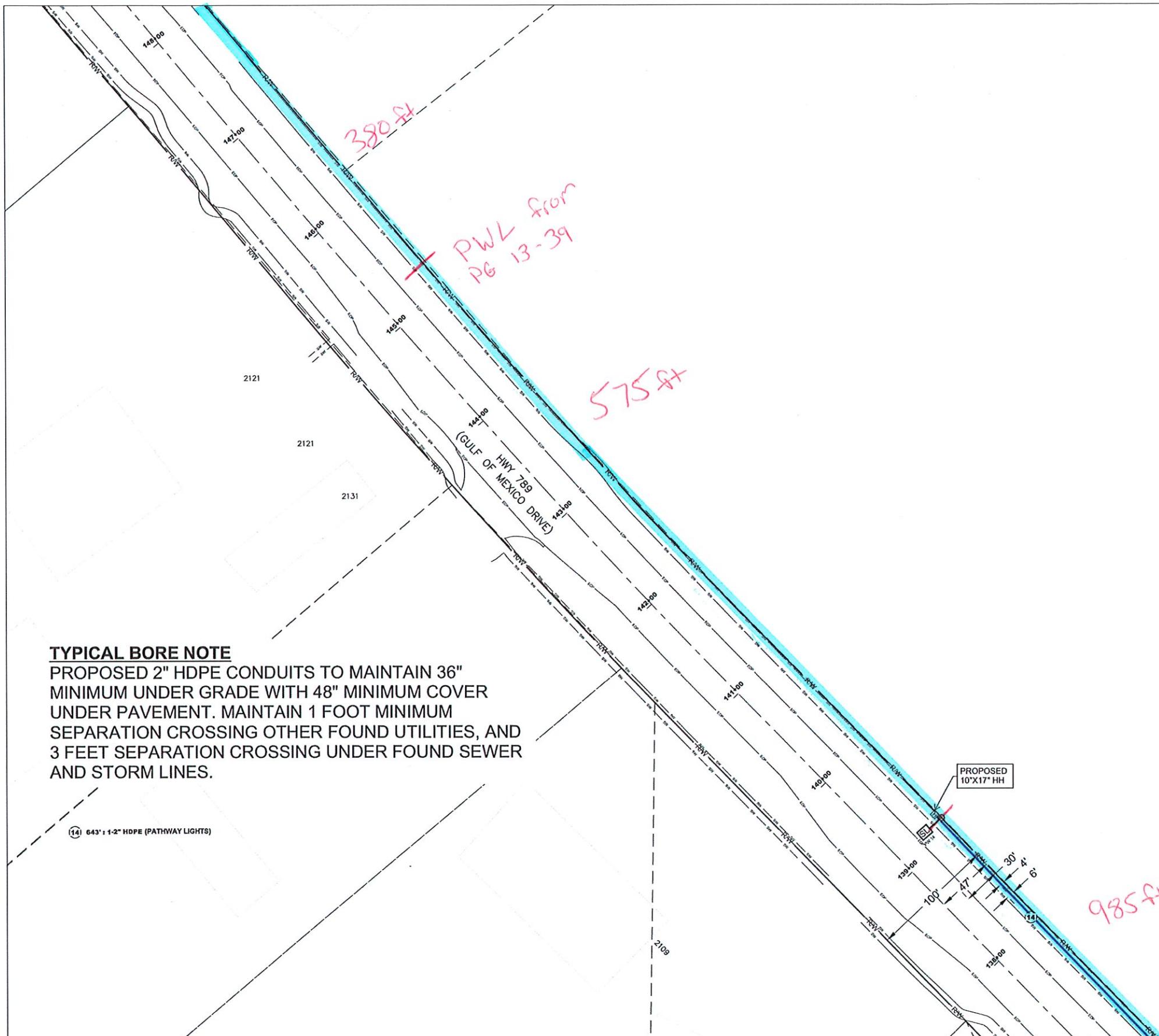
DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA



DATE:	09/09/25
SCALE:	1:40
DRAWN BY:	KJW
DESIGNED BY:	AKD
SHEET:	10 OF 39



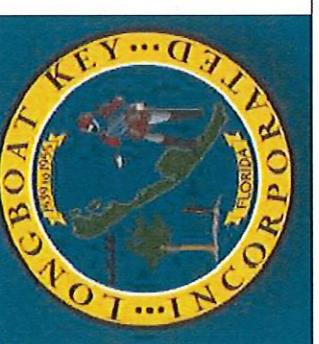


CONSTRUCTION PLAN

TOWN OF LONGBOAT KEY

DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA



DATE: 09/09/25

SCALE: 1:40

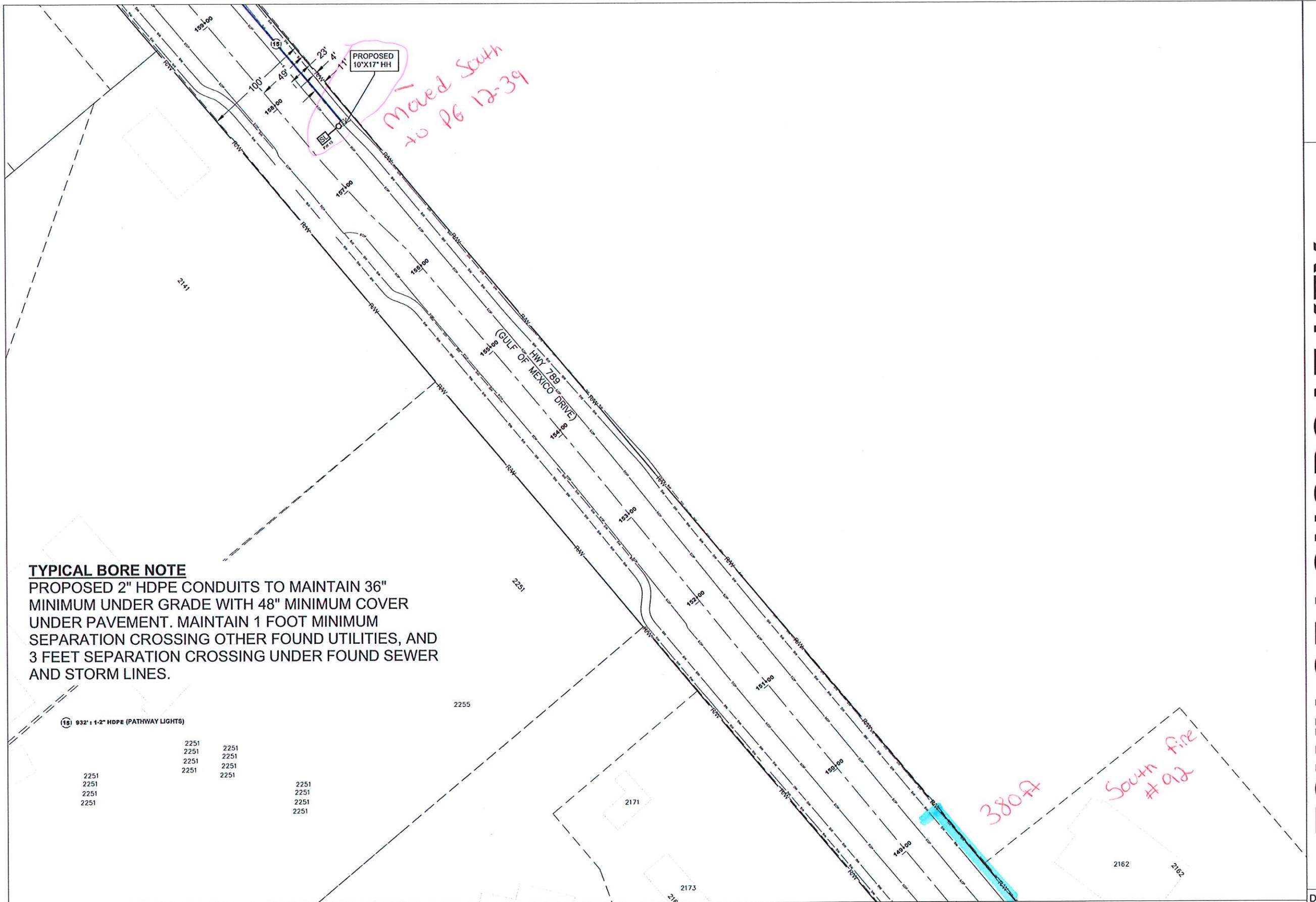
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SHEET: 12 OF 39

REVISIONS

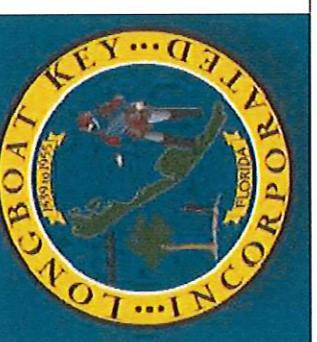
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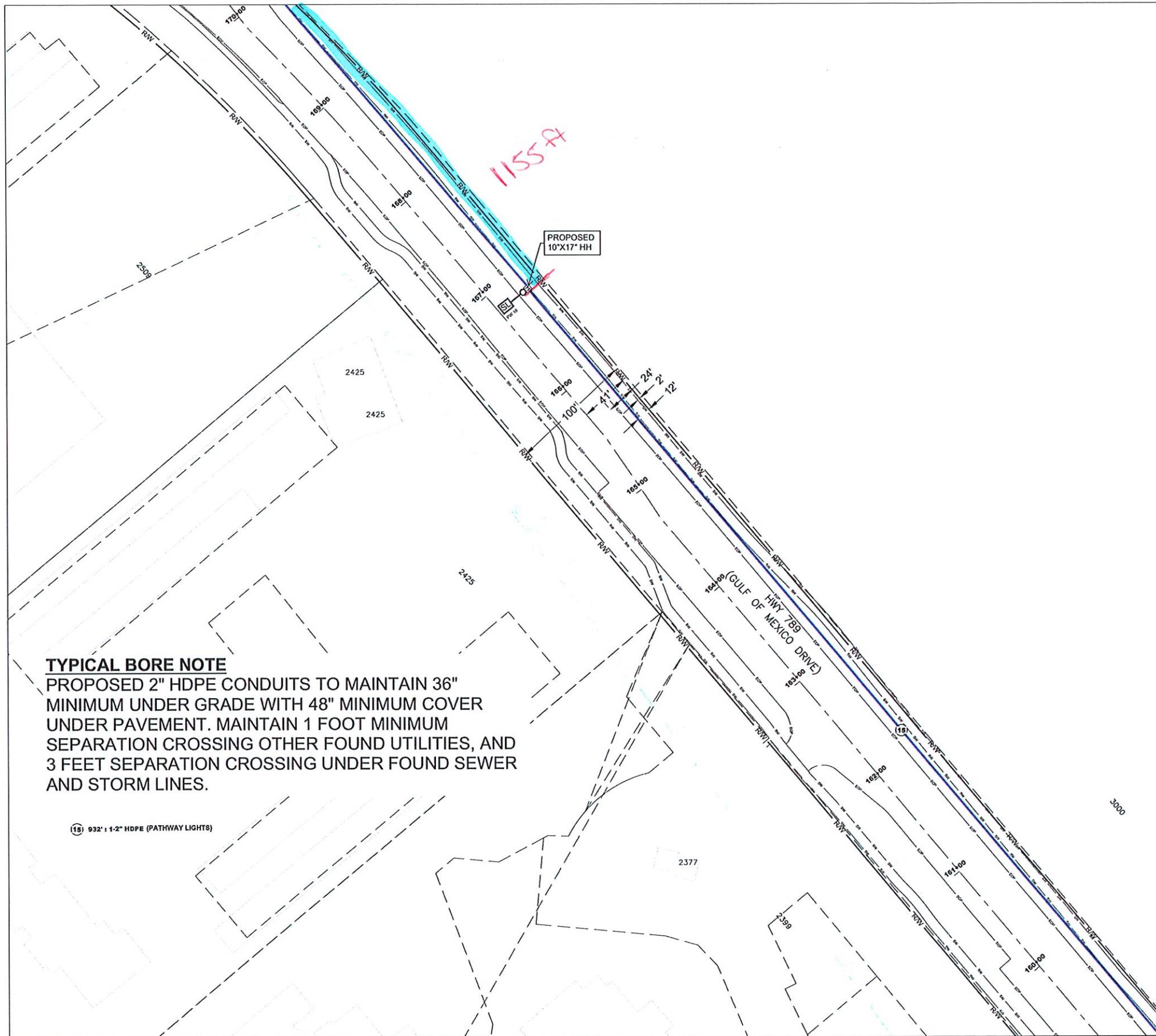
DRAWINGS FOR:
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LONGBOAT KEY, FLORIDA



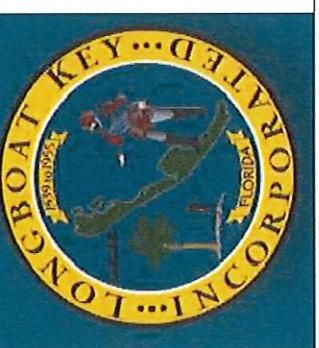
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DESIGNED BY:	AKD
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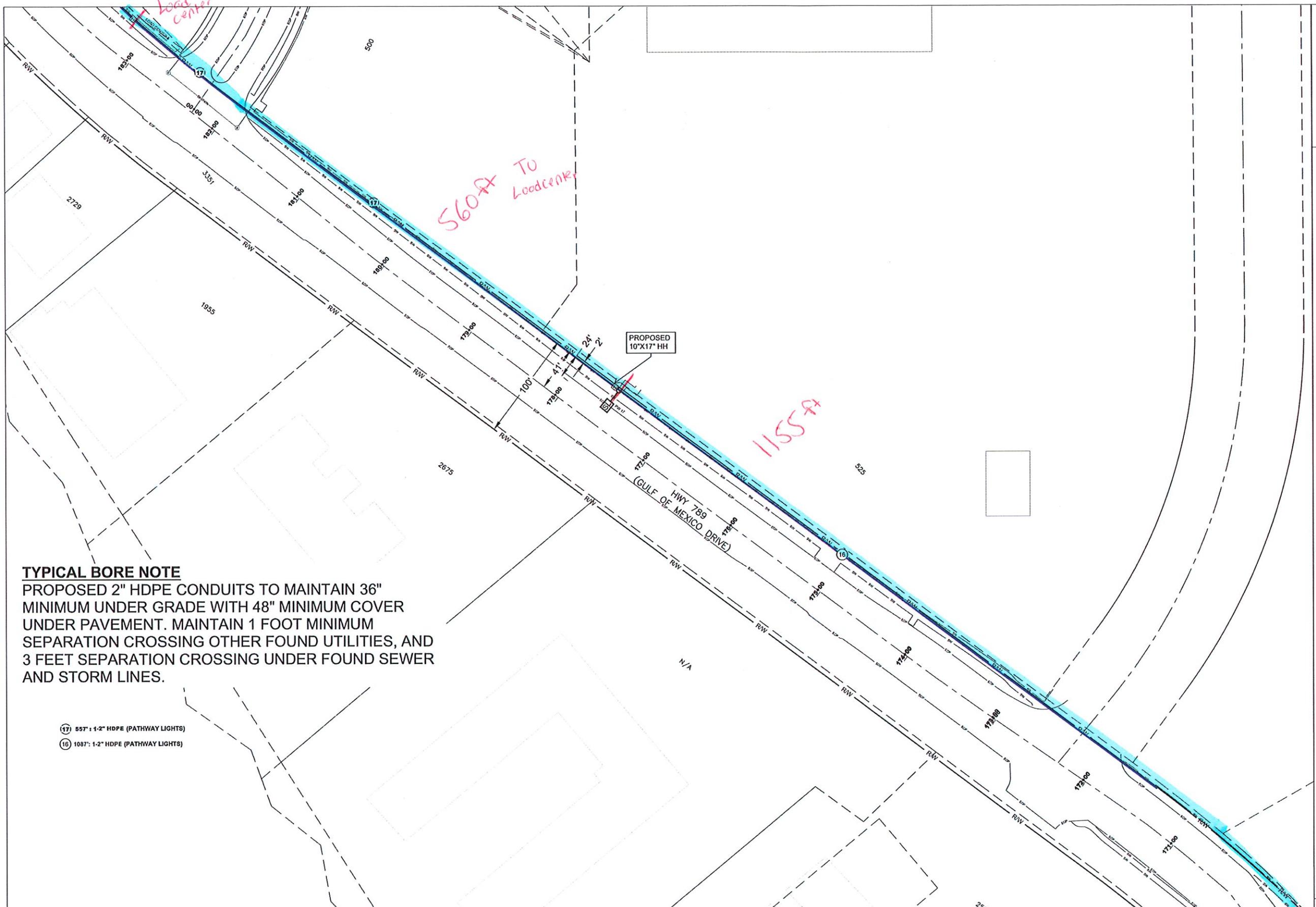
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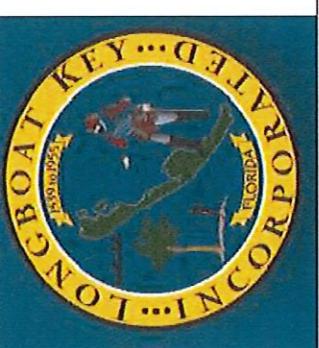
14 OF 39

CONSTRUCTION PLAN

REVISIONS			SCAL
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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD	SHEE



TOWN OF LONGBOAT KEY

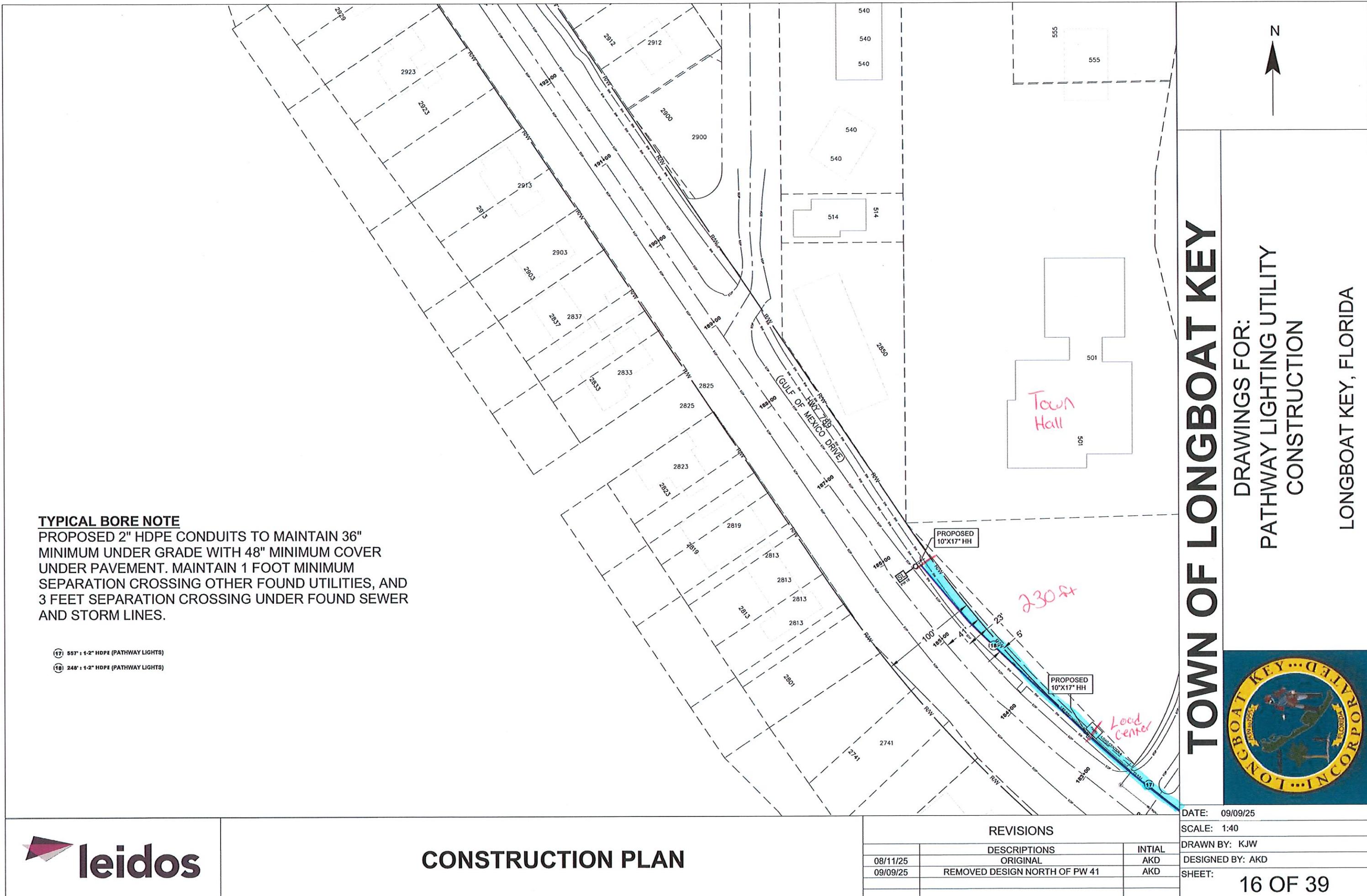


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DESIGNED BY: AKD
SHEET: 15 OF 39

CONSTRUCTION PLAN

REVISIONS

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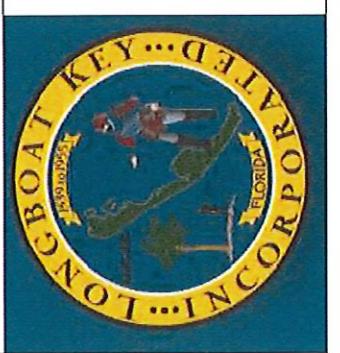


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CONSTRUCTION

LONGBOAT KEY, FLORIDA



DATE: 09/09/25

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DRAWN BY: KJW

DESIGNED BY: AKD

SHEET:

17 OF 39

TYPICAL BORE NOTE

PROPOSED 2" HDPE CONDUITS TO MAINTAIN 36" MINIMUM UNDER GRADE WITH 48" MINIMUM COVER UNDER PAVEMENT. MAINTAIN 1 FOOT MINIMUM SEPARATION CROSSING OTHER FOUND UTILITIES, AND 3 FEET SEPARATION CROSSING UNDER FOUND SEWER AND STORM LINES.

(19) 747' 1-2" HDPE (PATHWAY LIGHTS)

CONSTRUCTION PLAN



REVISIONS

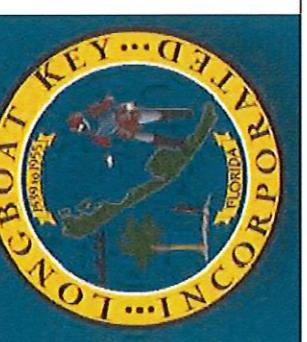
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DESIGNED BY: AKD

SHEET:

18 OF 39

CONSTRUCTION PLAN

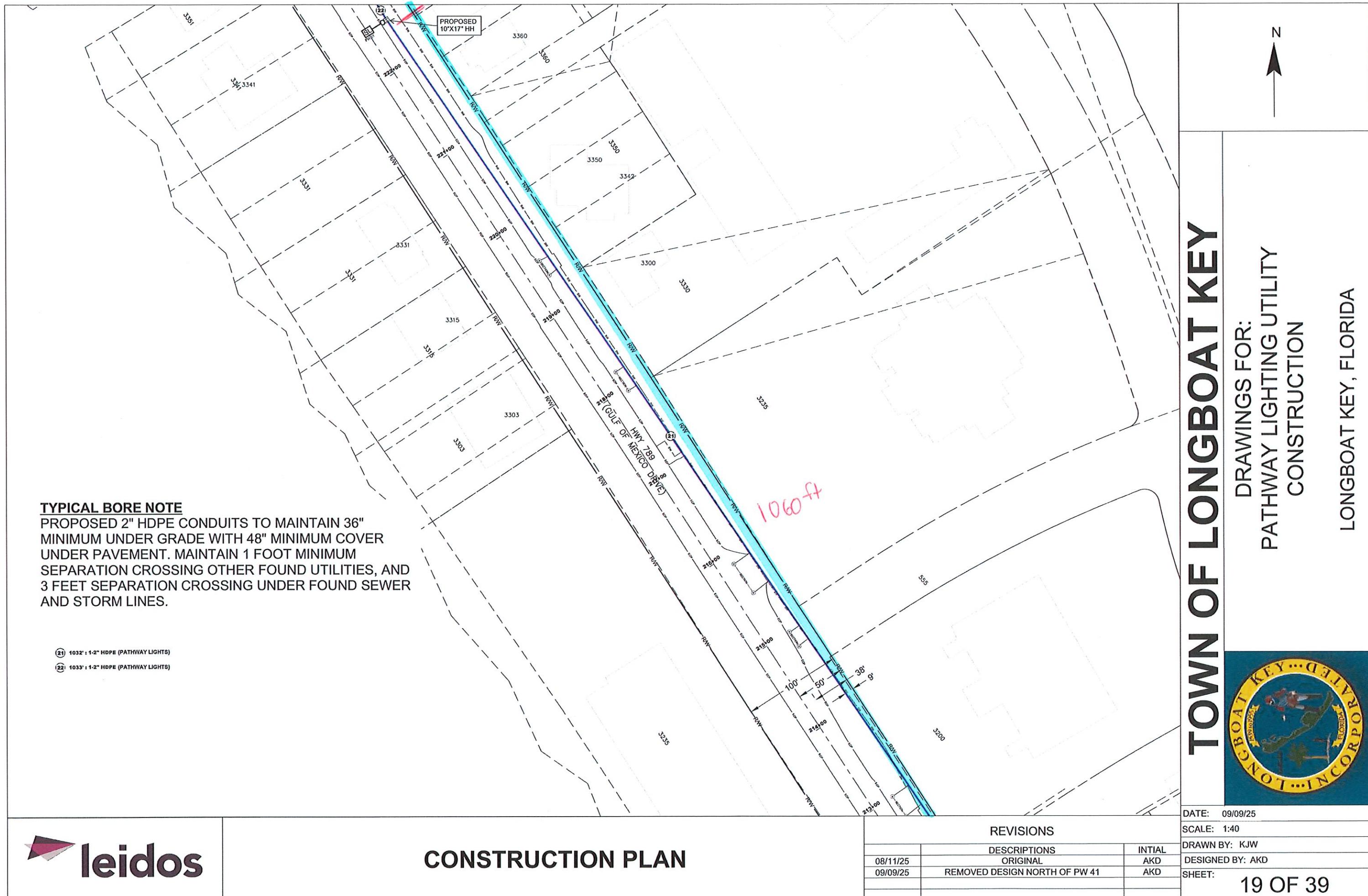
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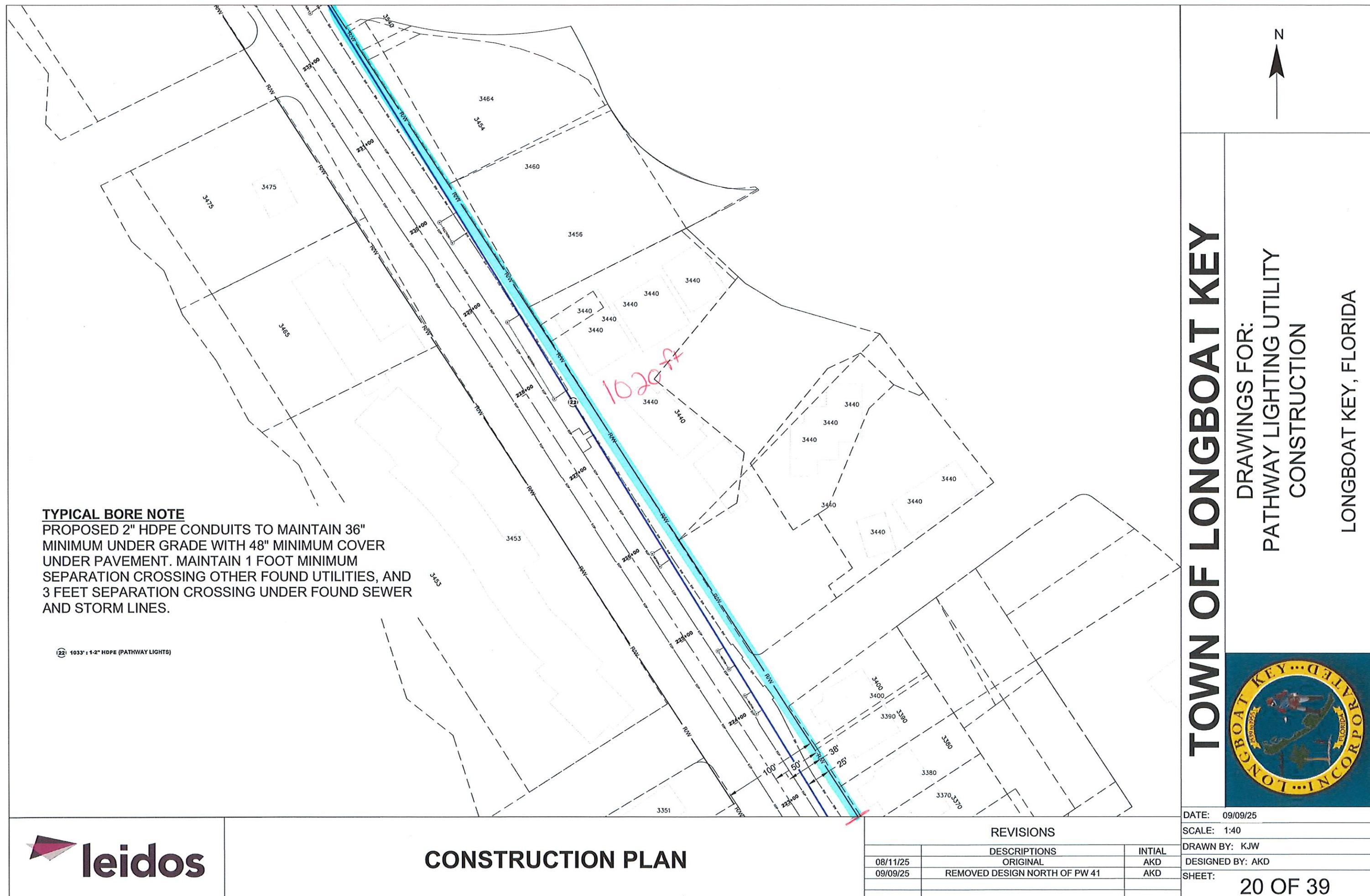
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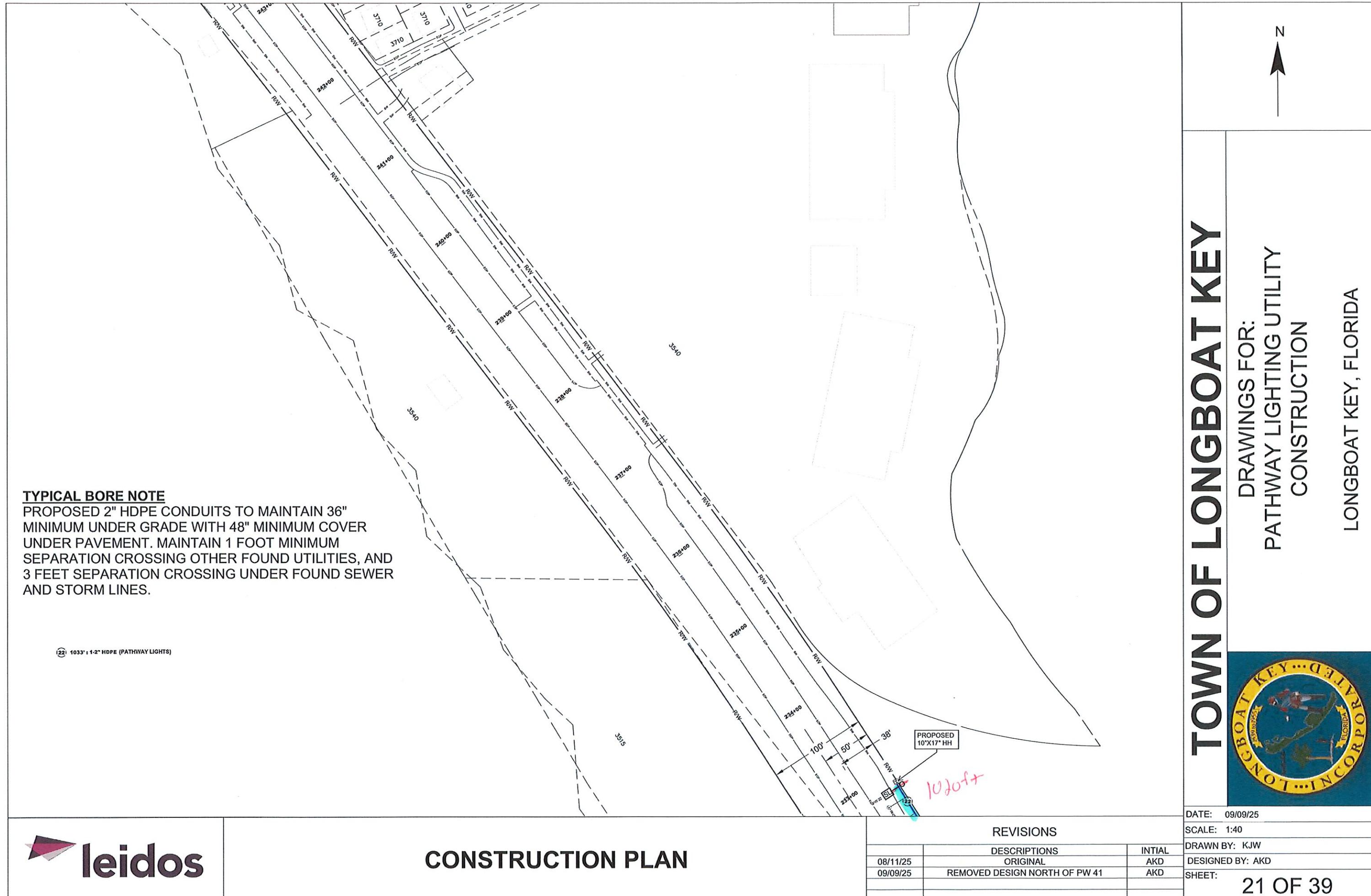
- (19) 747' 1-2" HDPE (PATHWAY LIGHTS)
- (20) 609' 1-2" HDPE (PATHWAY LIGHTS)
- (21) 1032' 1-2" HDPE (PATHWAY LIGHTS)

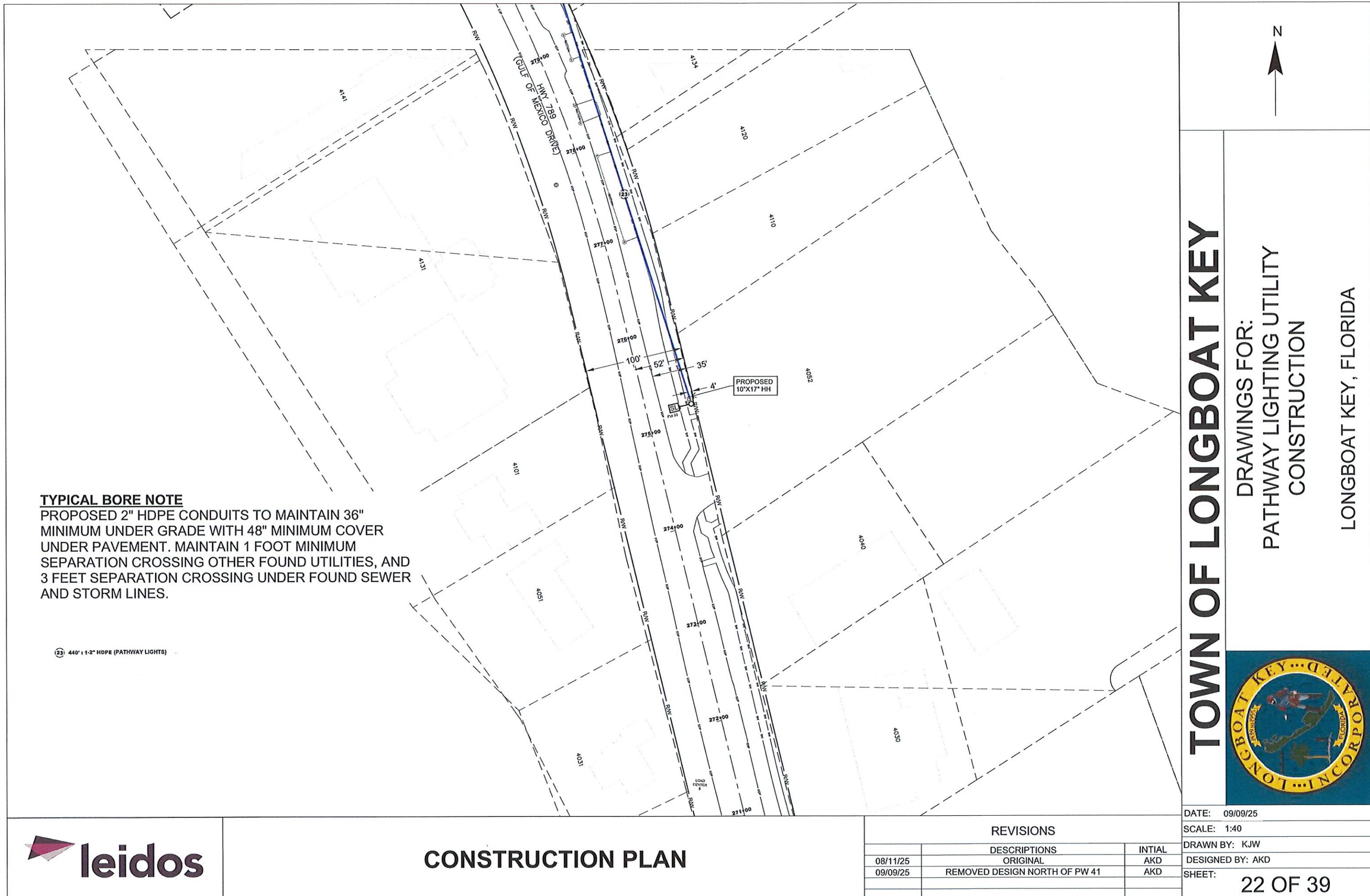
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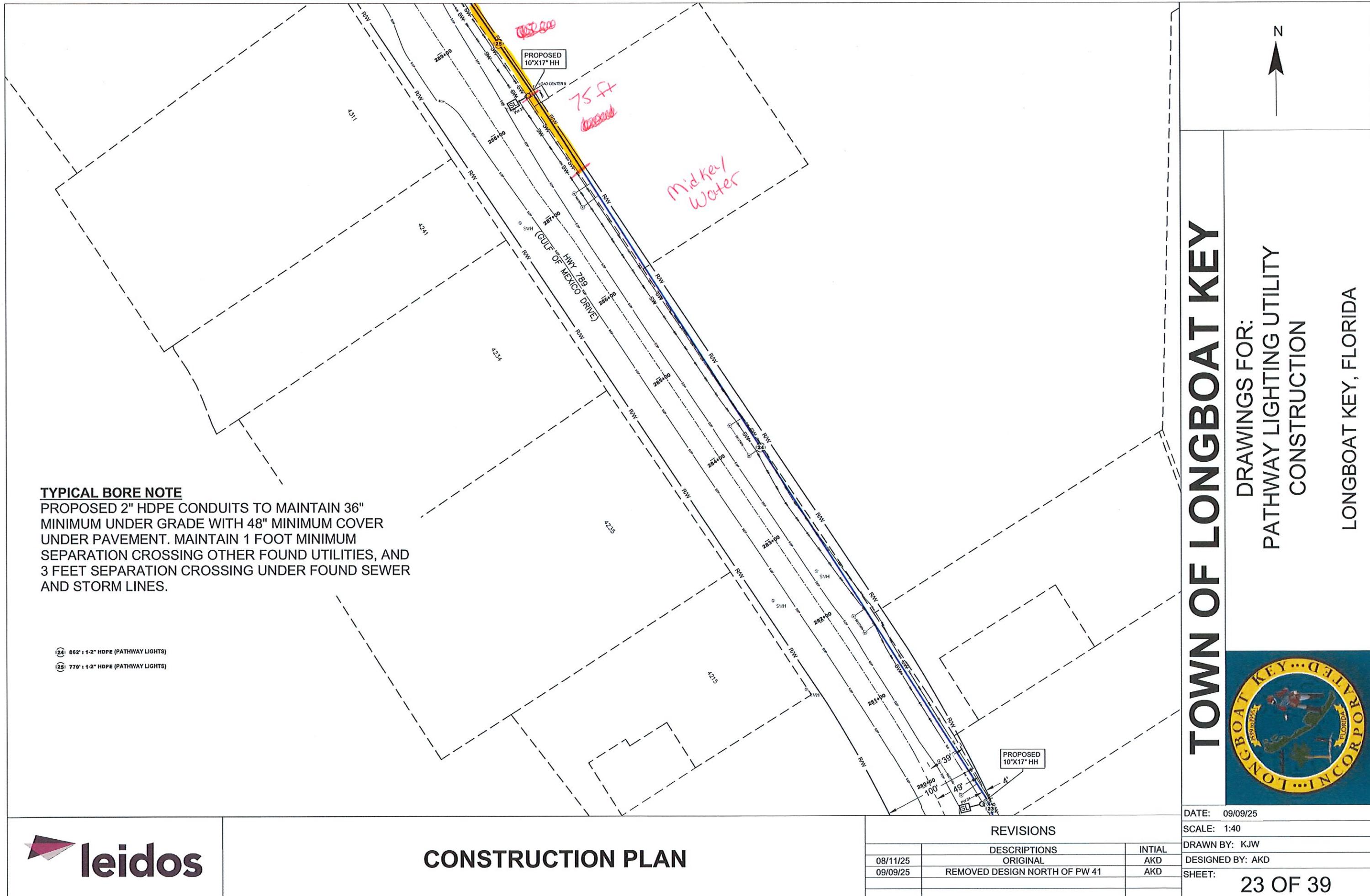
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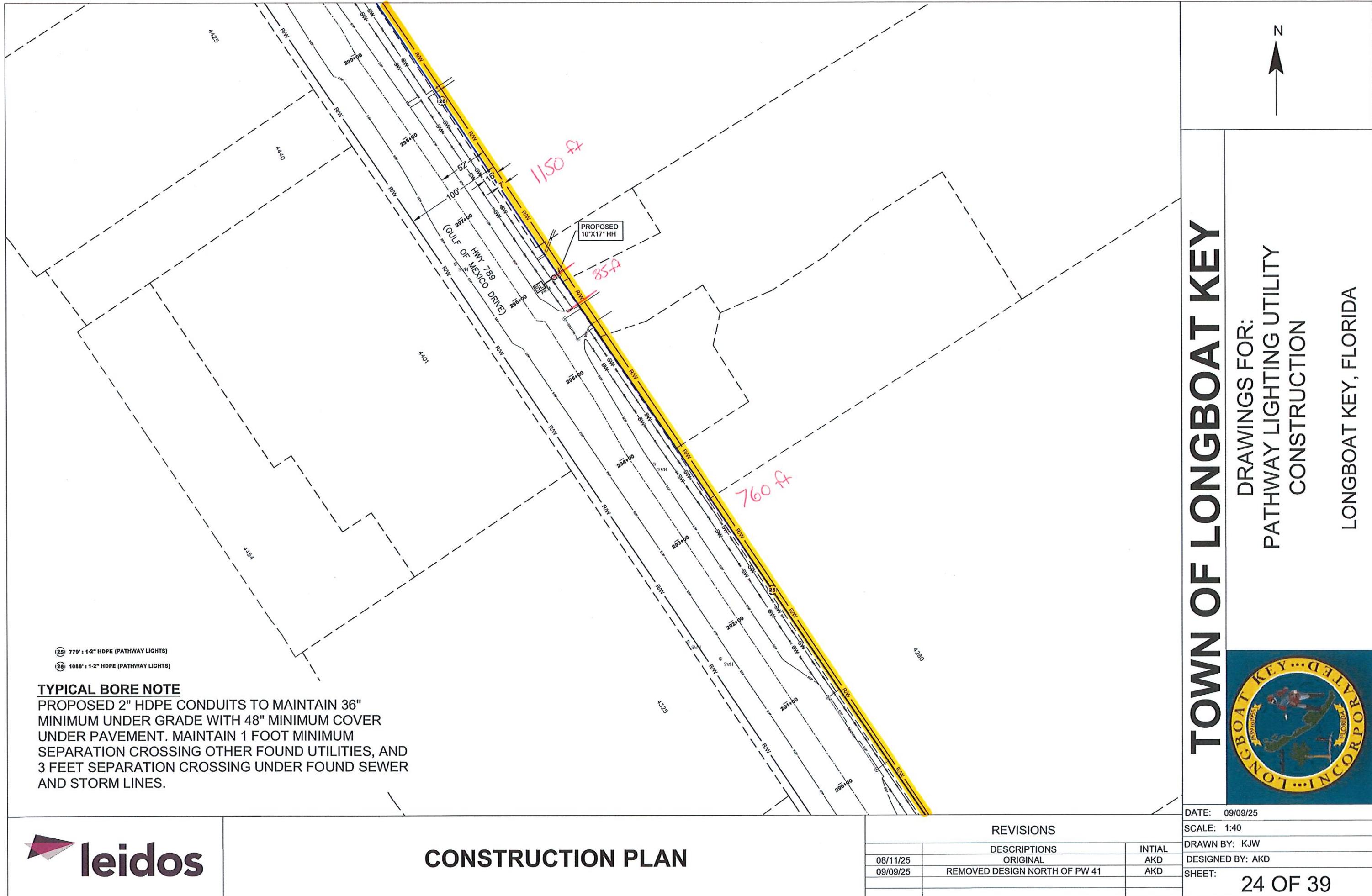


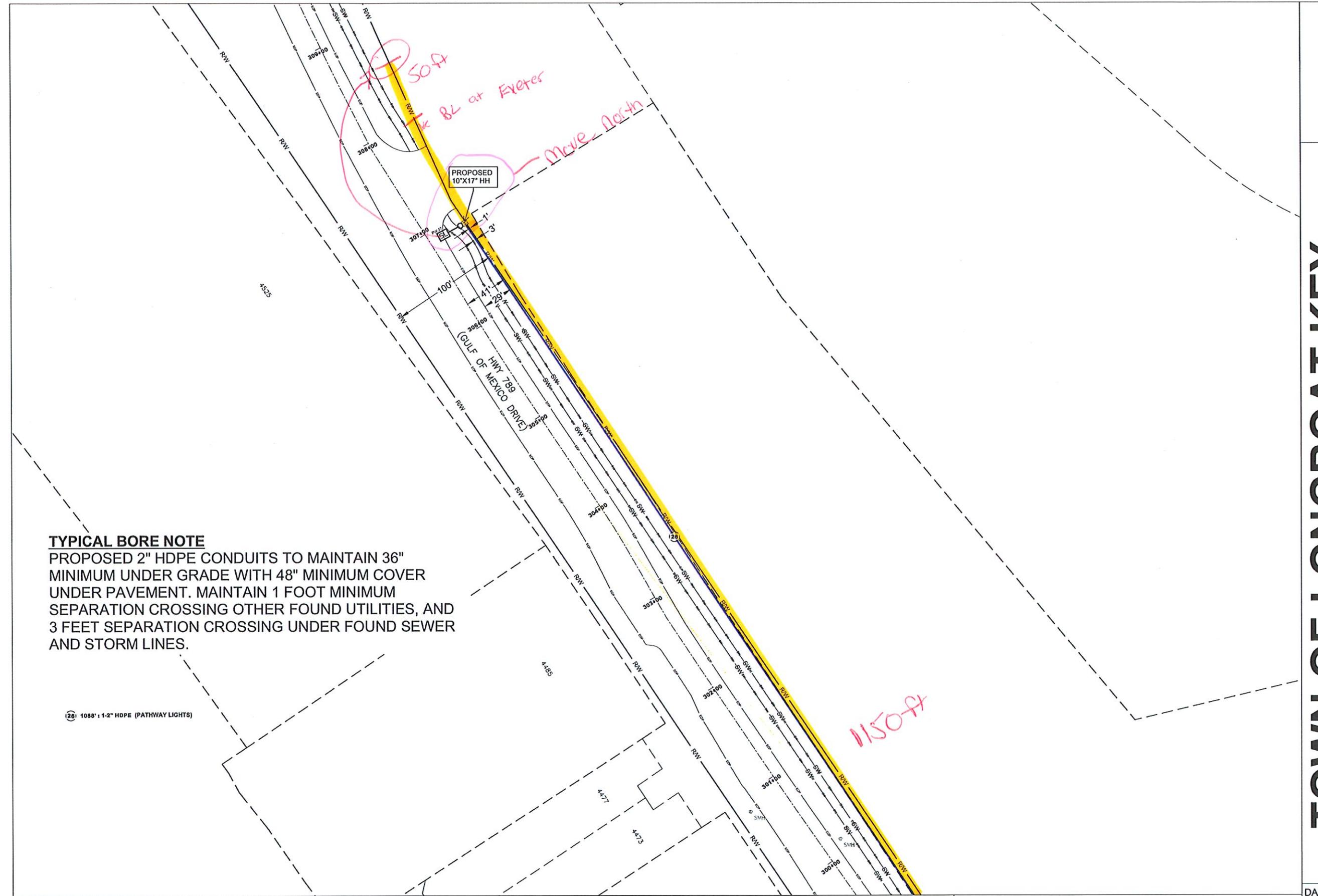






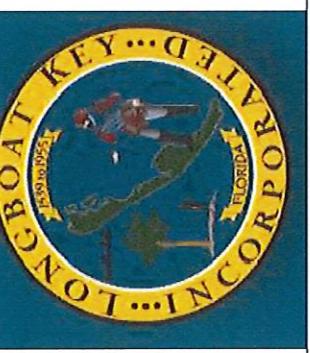






TOWN OF LONGBOAT KEY

DRAWINGS FOR: PATHWAY LIGHTING UTILITY CONSTRUCTION



DATE: 09/09/25

SCALE: 1:40

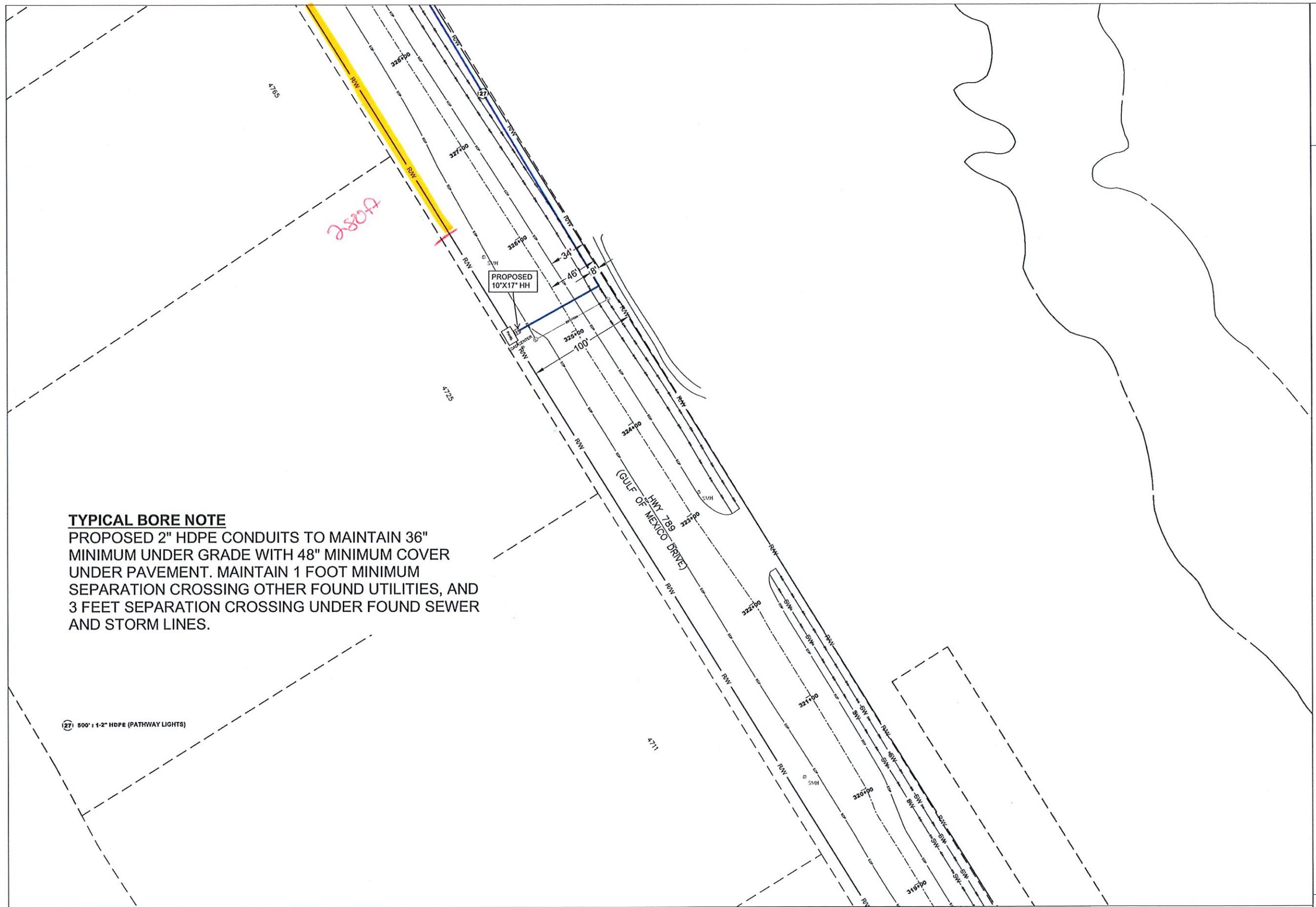
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ESIGNED BY: AKD

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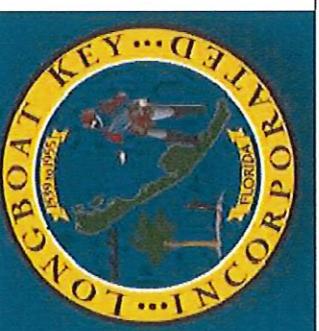
REVISIONS

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08/11/25	ORIGINAL	AKD	D
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD	SP



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SCALE: 1:40

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DESIGNED BY: AKD

SHEET: 66

26 OF 39



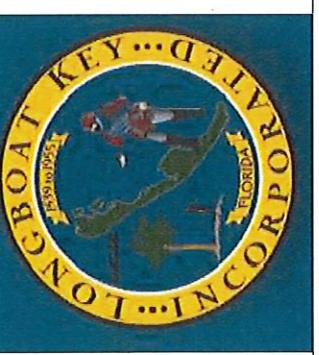
CONSTRUCTION PLAN

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PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA



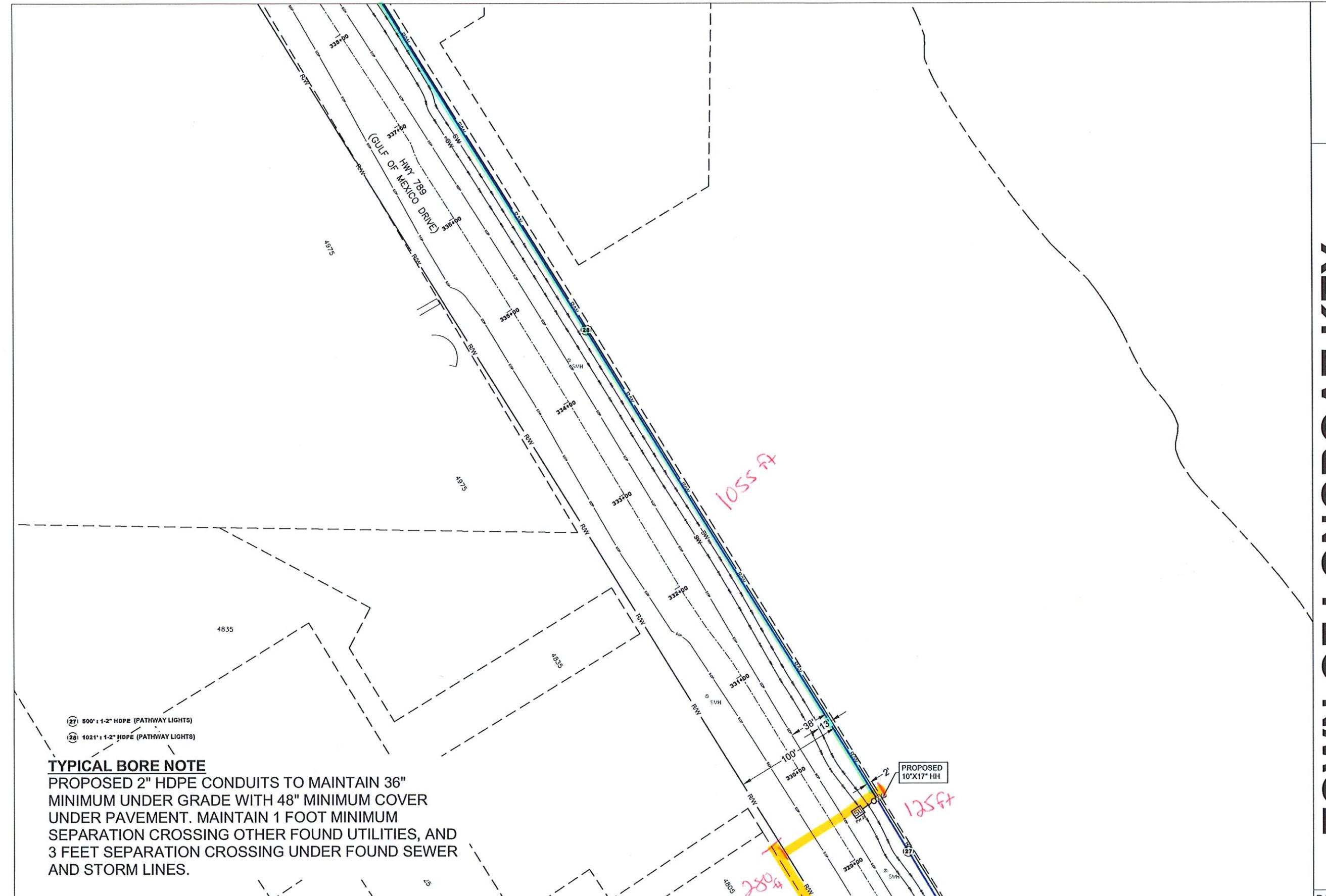
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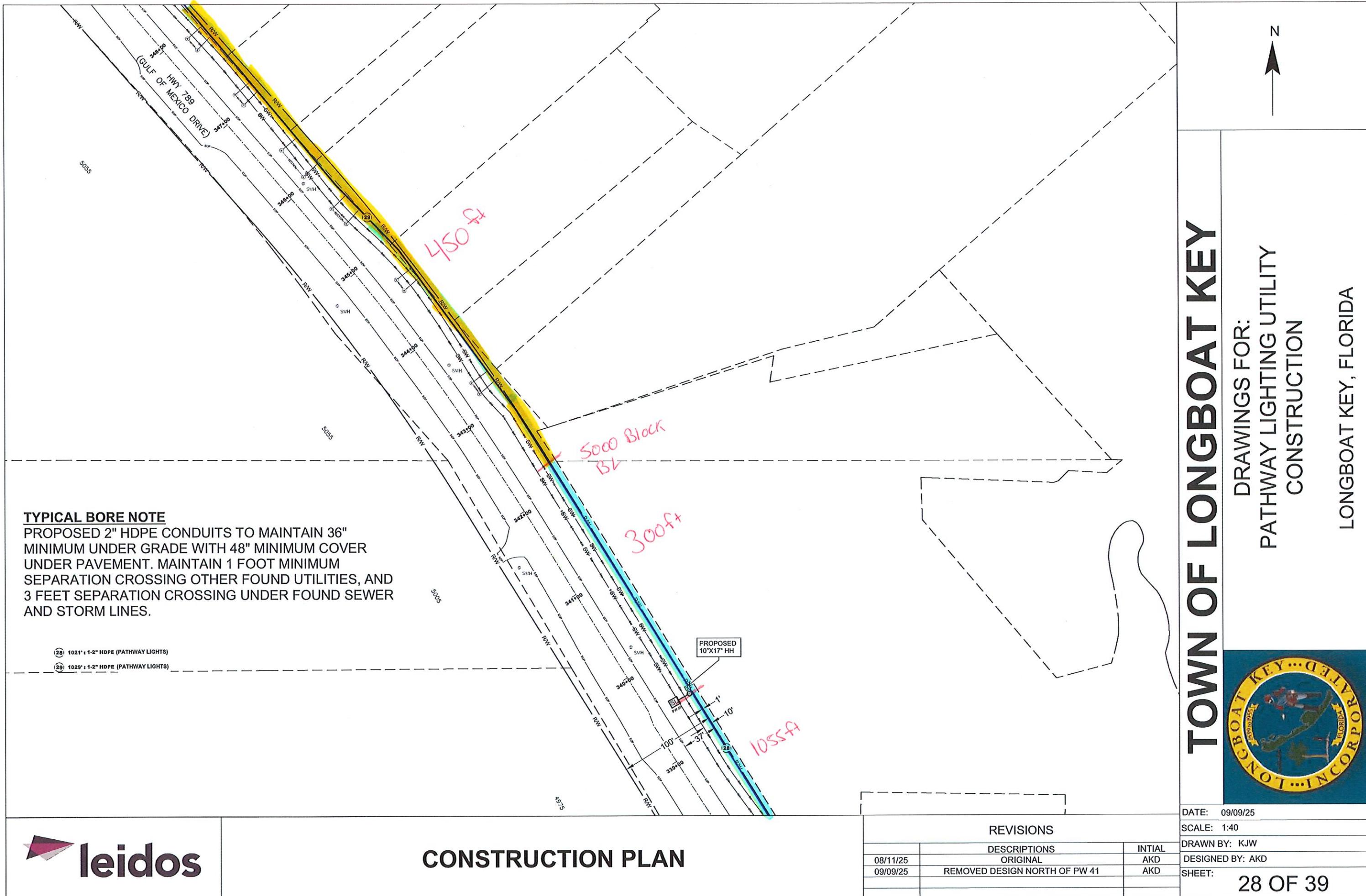
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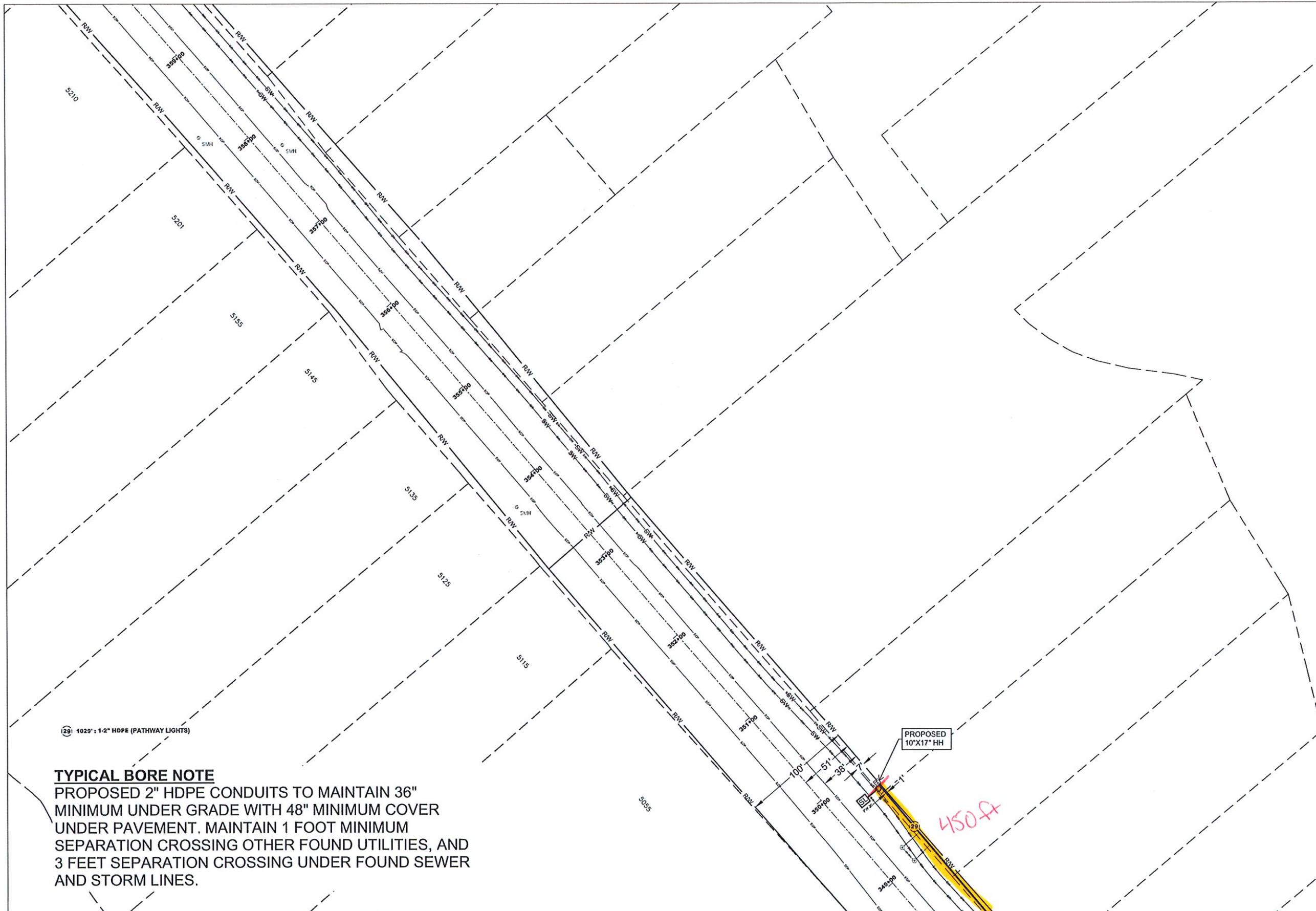
DESIGNED BY: AKD

SHEET: 27 OF 39

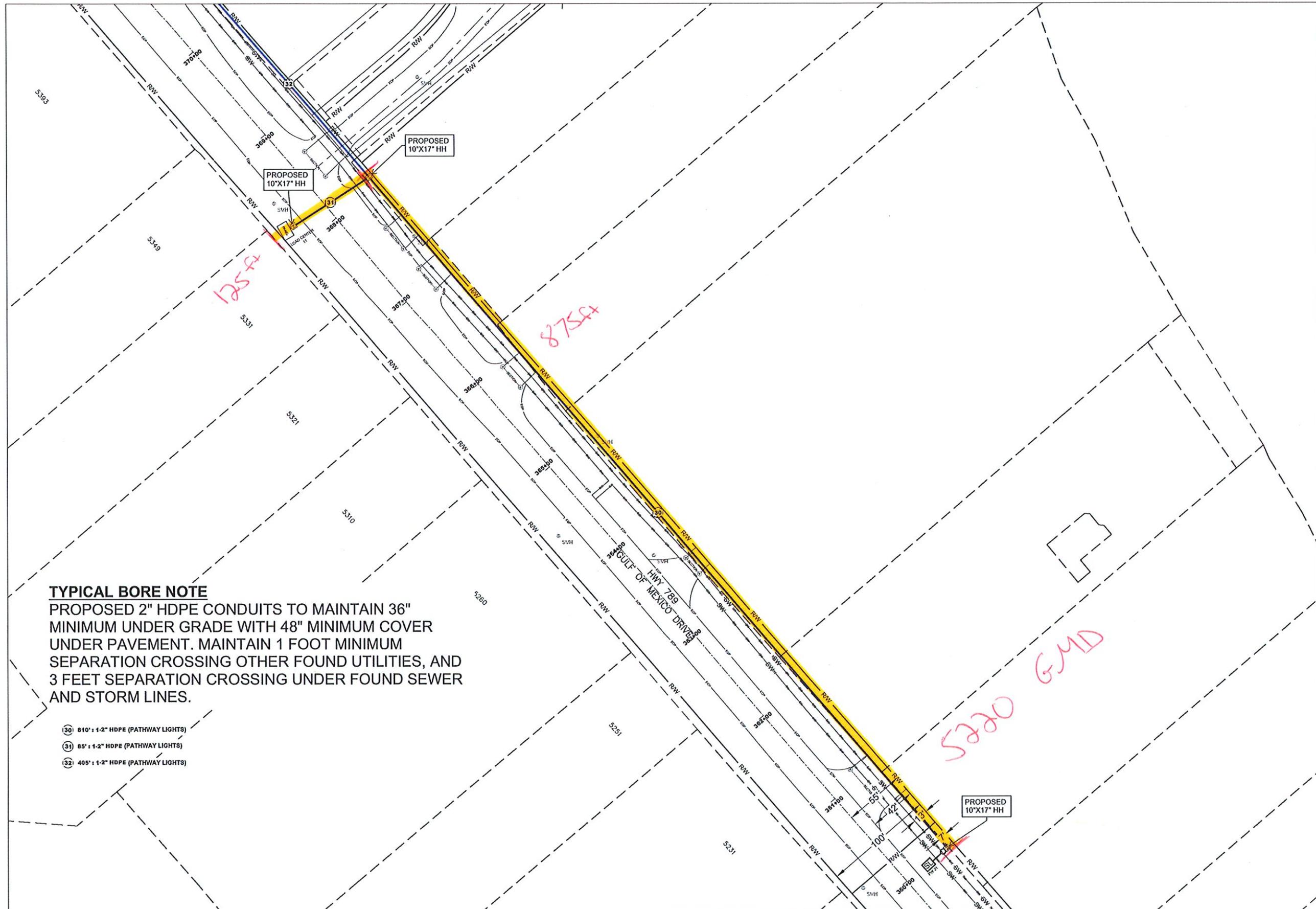


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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD



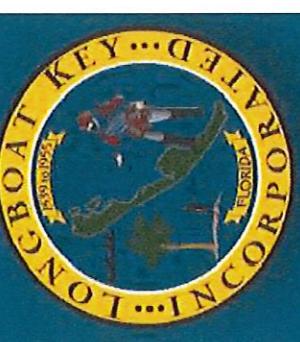


TOWN OF LONGBOAT KEY		
DRAWINGS FOR: PATHWAY LIGHTING UTILITY CONSTRUCTION		
LONGBOAT KEY, FLORIDA		
DATE: 09/09/25	SCALE: 1:40	DRAWN BY: KJW
08/11/25	ORIGINAL	AKD
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD
CONSTRUCTION PLAN		
REVISIONS		
	DESCRIPTIONS	INITIAL
08/11/25	ORIGINAL	AKD
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD
SHEET: 29 OF 39		



DATE:	09/09/25
SCALE:	1:40
DRAWN BY:	KJW
DESIGNED BY:	AKD
SHEET:	30 OF 39

TOWN OF LONGBOAT KEY



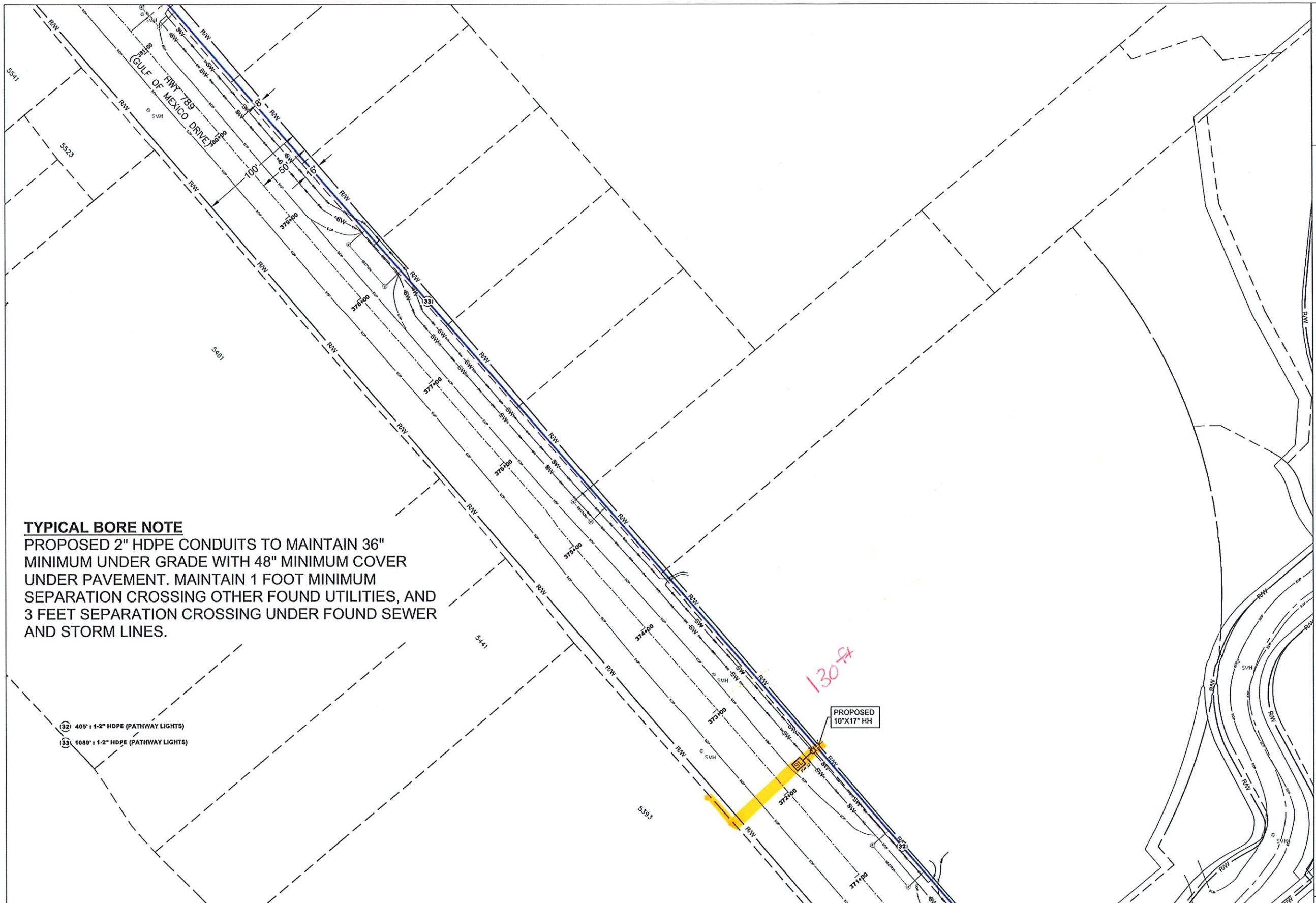
DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA

CONSTRUCTION PLAN

REVISIONS

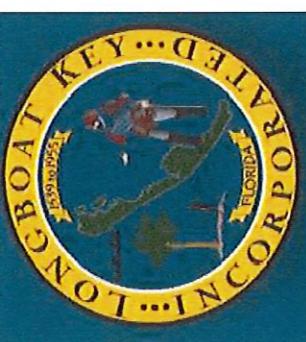
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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD



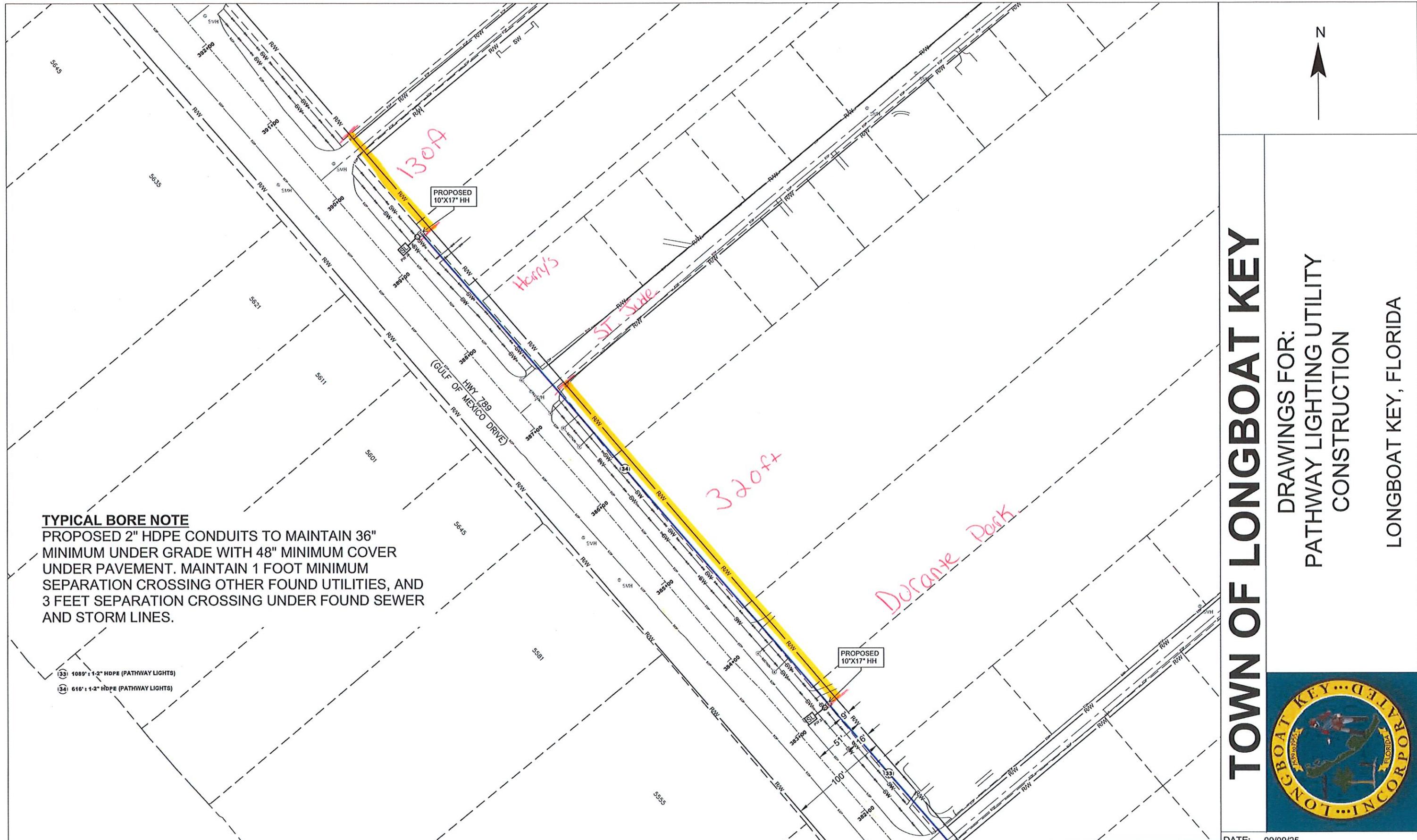
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DESIGNED BY:	AKD
SHEET:	31 OF 39

TOWN OF LONGBOAT KEY

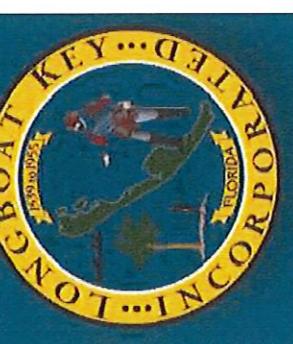
DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION



CONSTRUCTION PLAN

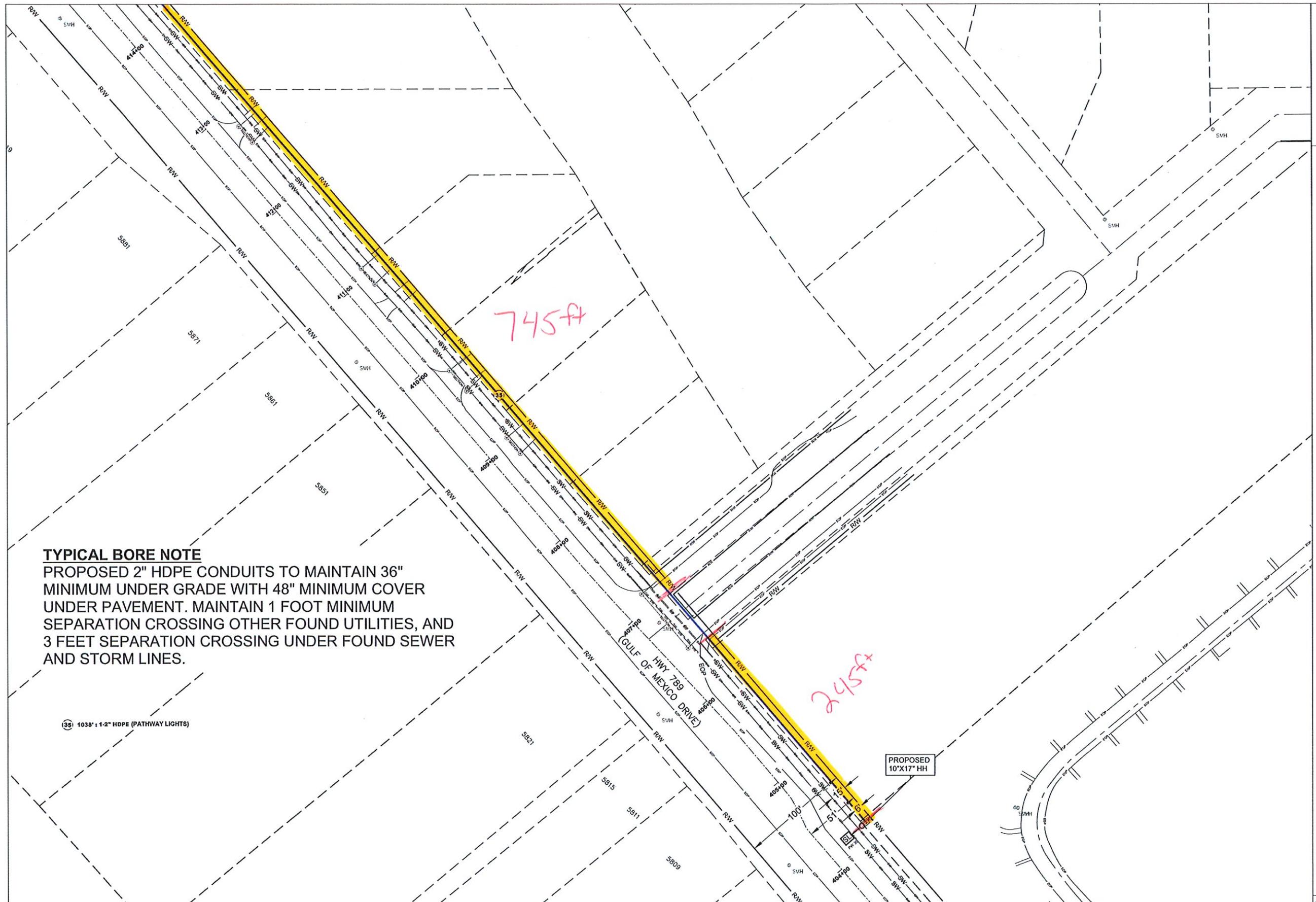


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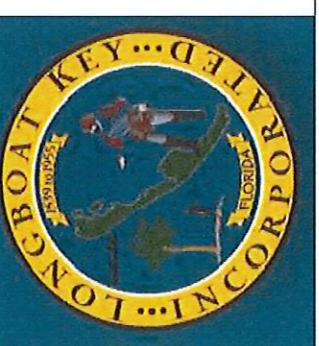
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 SCALE: 1:40
 DRAWN BY: KJW
 DESIGNED BY: AKD
 SHEET: 32 OF 39

	DESCRIPTIONS	INITIAL
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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD



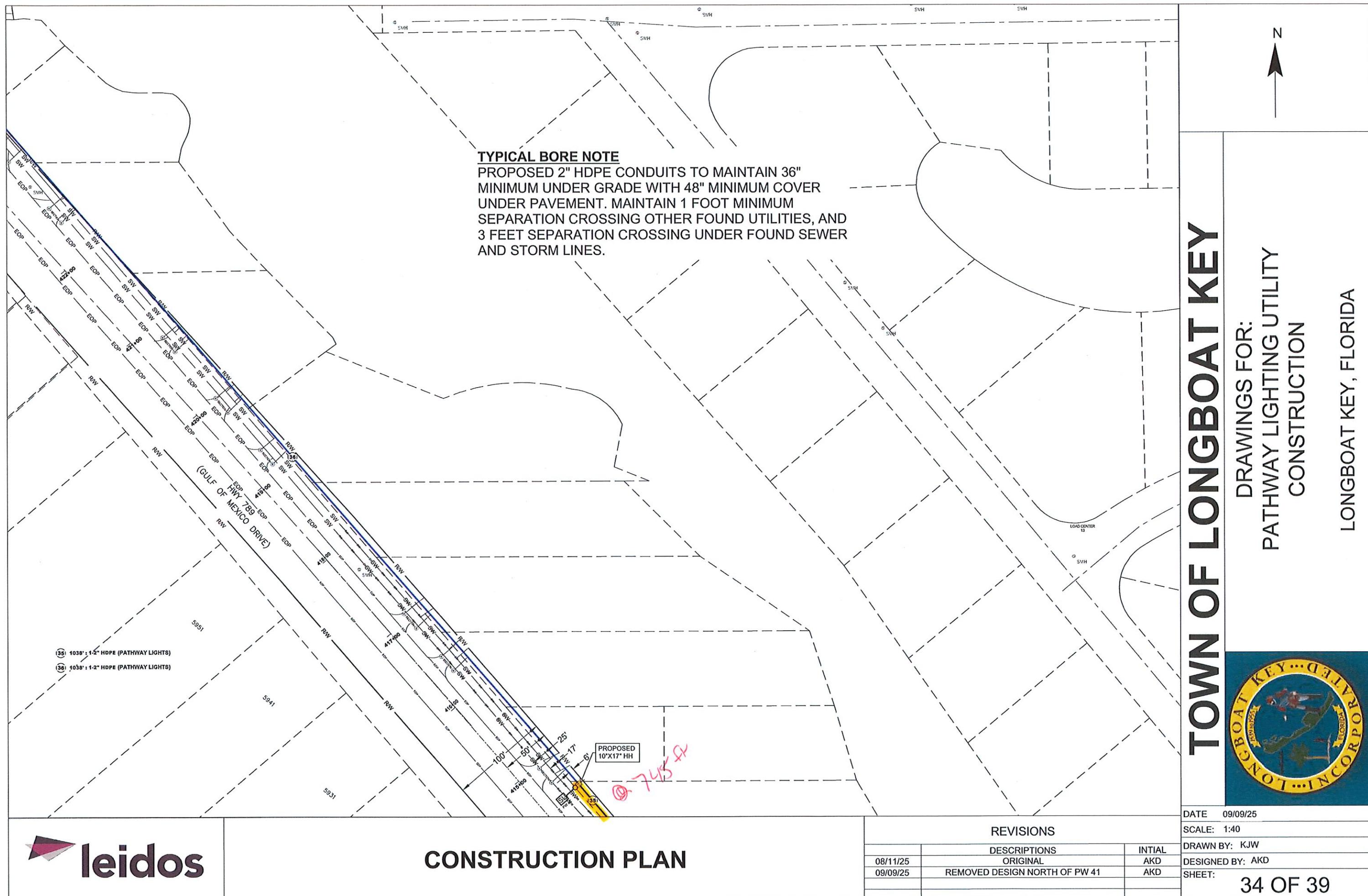
TOWN OF LONGBOAT KEY

DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION



DATE	09/09/25
SCALE	1:40
DRAWN BY	KJW
DESIGNED BY	AKD
SHEET	33 OF 39

	DESCRIPTIONS	INITIAL
08/11/25	ORIGINAL	AKD
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD

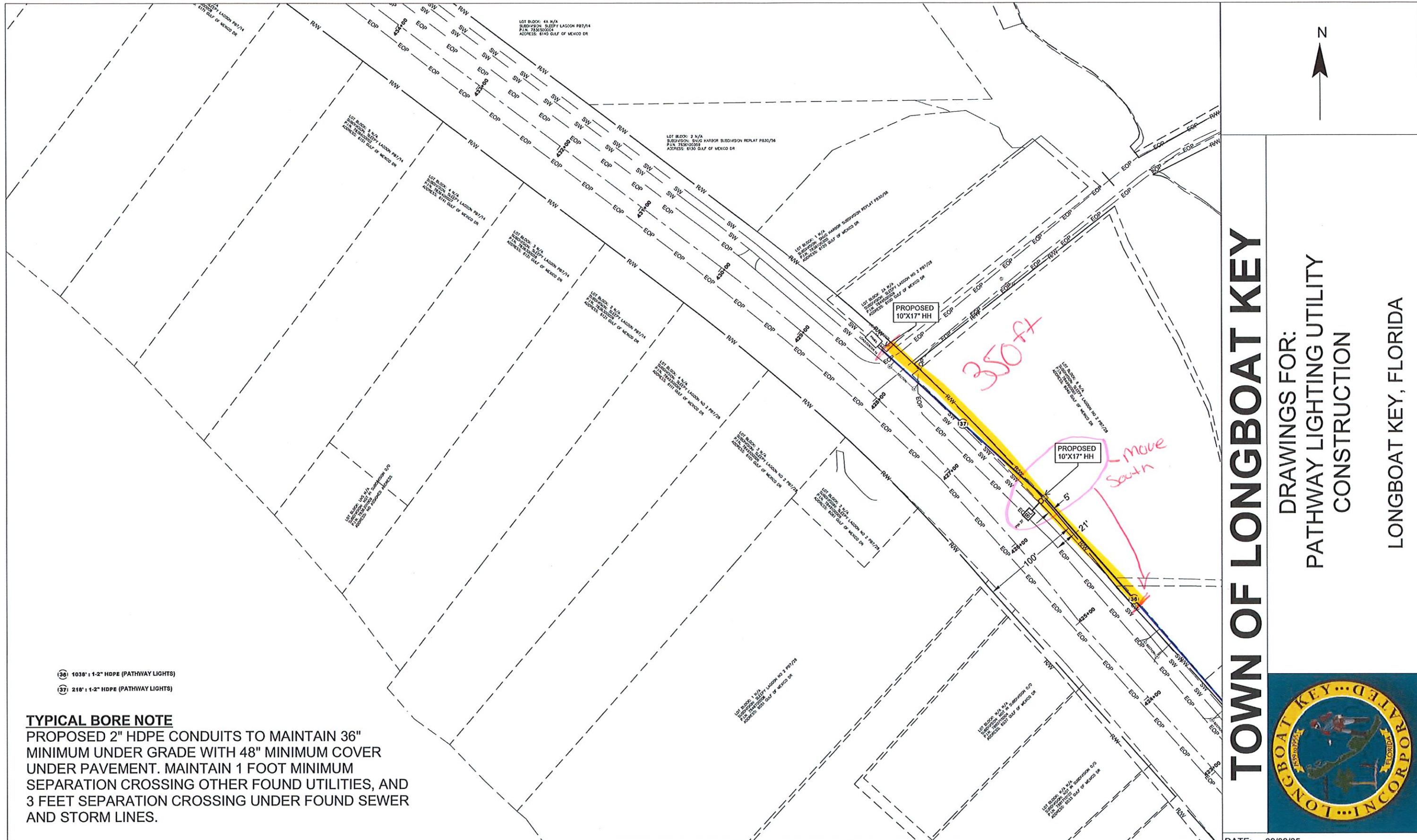


CONSTRUCTION PLAN

REVISIONS

DESCRIPTIONS	INTIAL	DRAWN BY: KJW
ORIGINAL	AKD	DESIGNED BY: AKD
VED DESIGN NORTH OF PW 41	AKD	SHEET: 34 OF 39

34 OF 39



TOWN OF LONGBOAT KEY

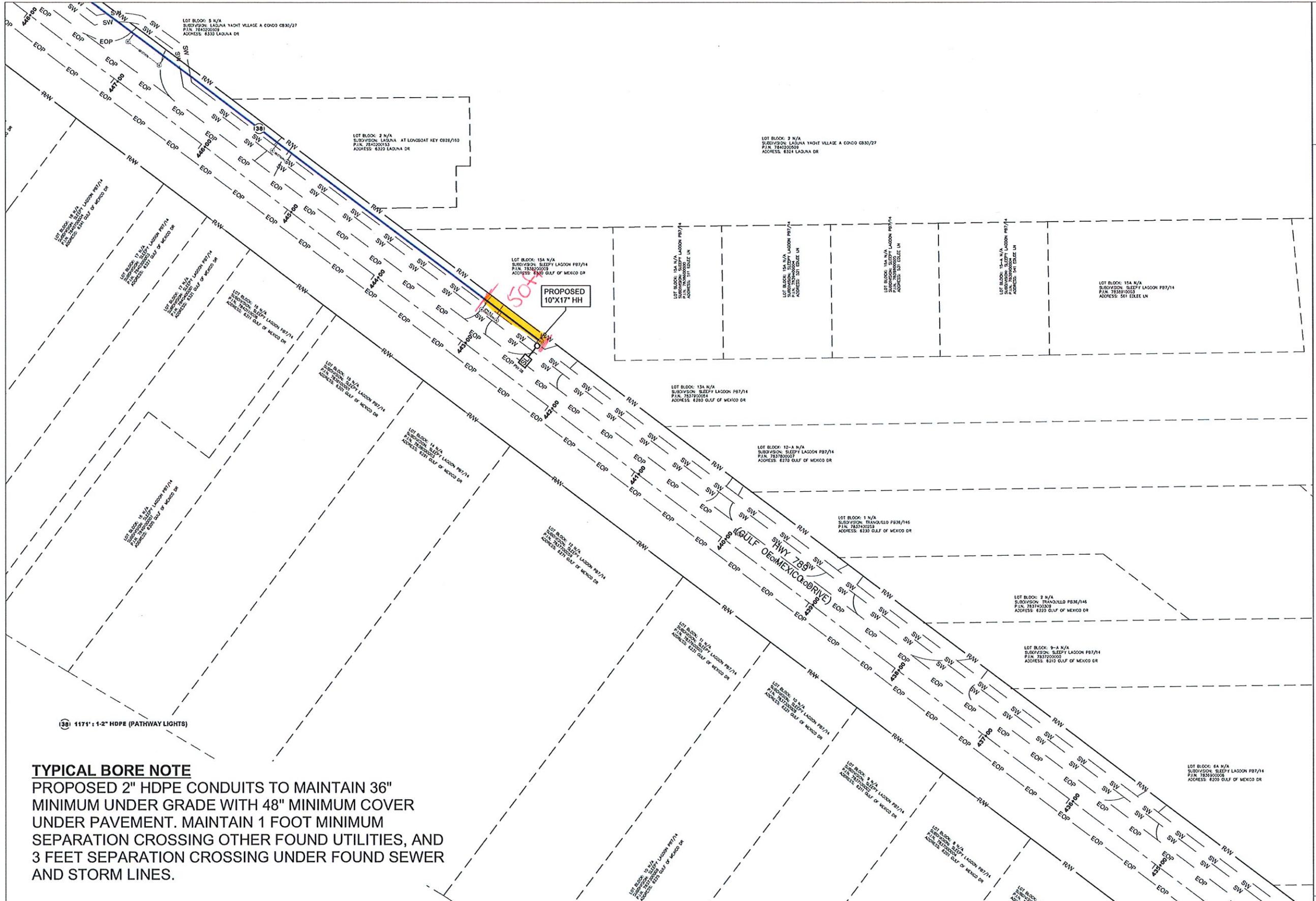
**DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION**



DATE: 09/09/25
SCALE: 1:40
DRAWN BY: KJW
DESIGNED BY: AKD
SHEET: 35 OF 39

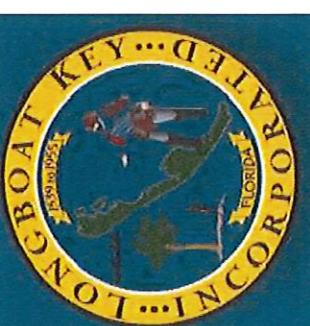


CONSTRUCTION PLAN



TOWN OF LONGBOAT KEY

DRAWINGS FOR: PATHWAY LIGHTING UTILITY CONSTRUCTION



DATE 09/09/25

SCALE: 1:40

DRAWN BY: K.IW

DESIGNED BY: AKD

SHEET:

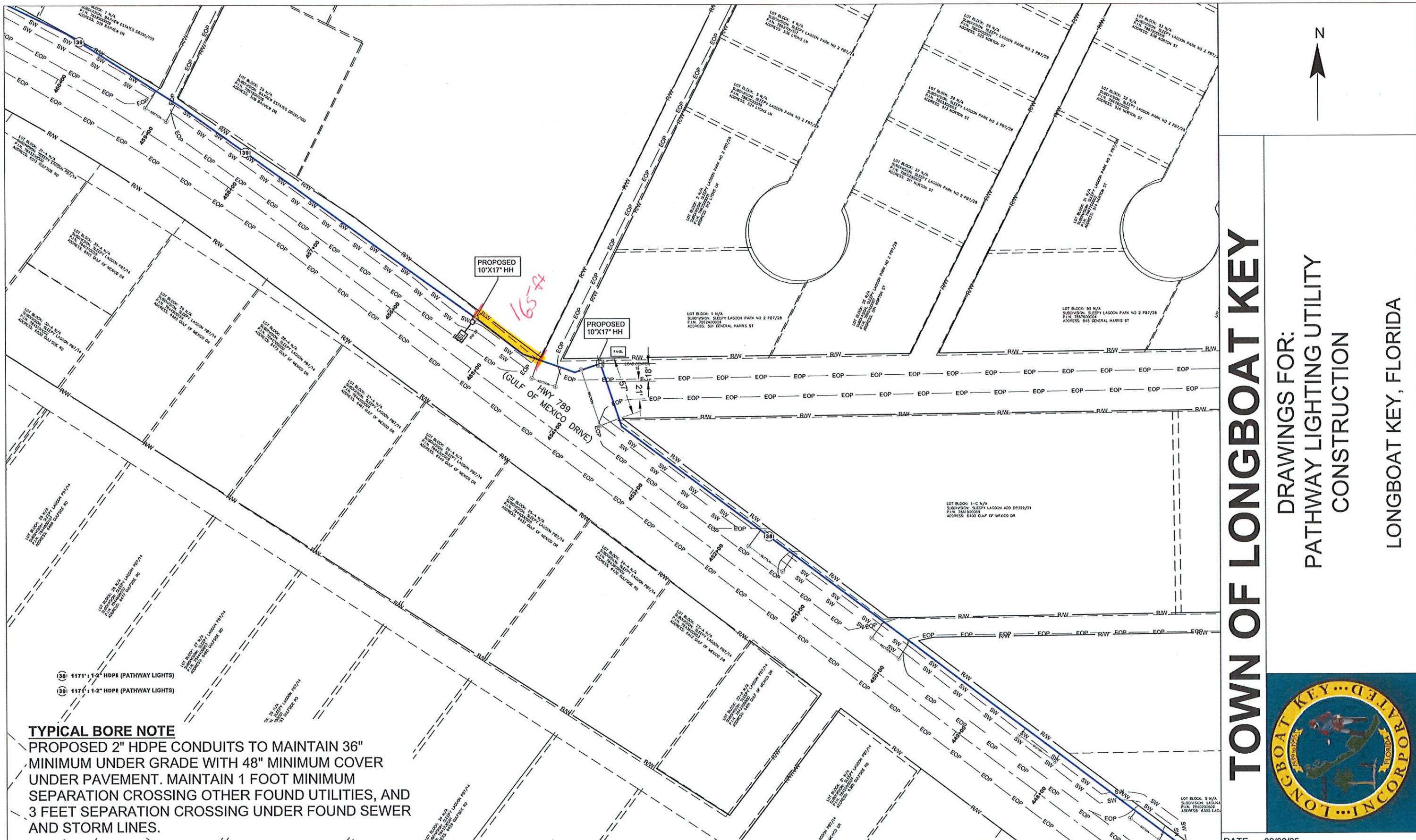
36 OF 39



CONSTRUCTION PLAN

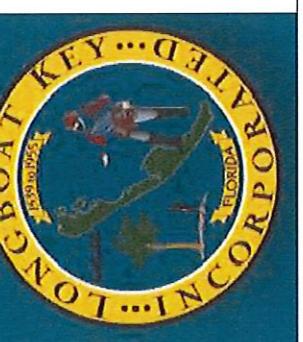
REVISIONS

DESCRIPTIONS		INITIAL
08/11/25	ORIGINAL	AKD
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD



TOWN OF LONGBOAT KEY

DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION



DATE 09/09/25

SCALE 1:40

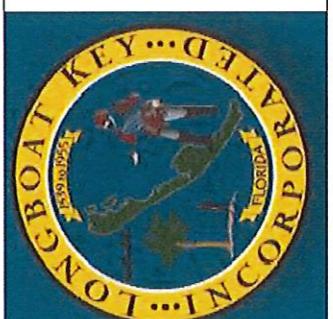
DRAWN BY: KJW

DESIGNED BY: AKD

SHEET: 37 OF 39

LONGBOAT KEY, FLORIDA

DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION



TOWN OF LONGBOAT KEY

DATE 09/09/25
SCALE: 1:40
DRAWN BY: KJW
DESIGNED BY: AKD
SHEET: 38 OF 39

CONSTRUCTION PLAN

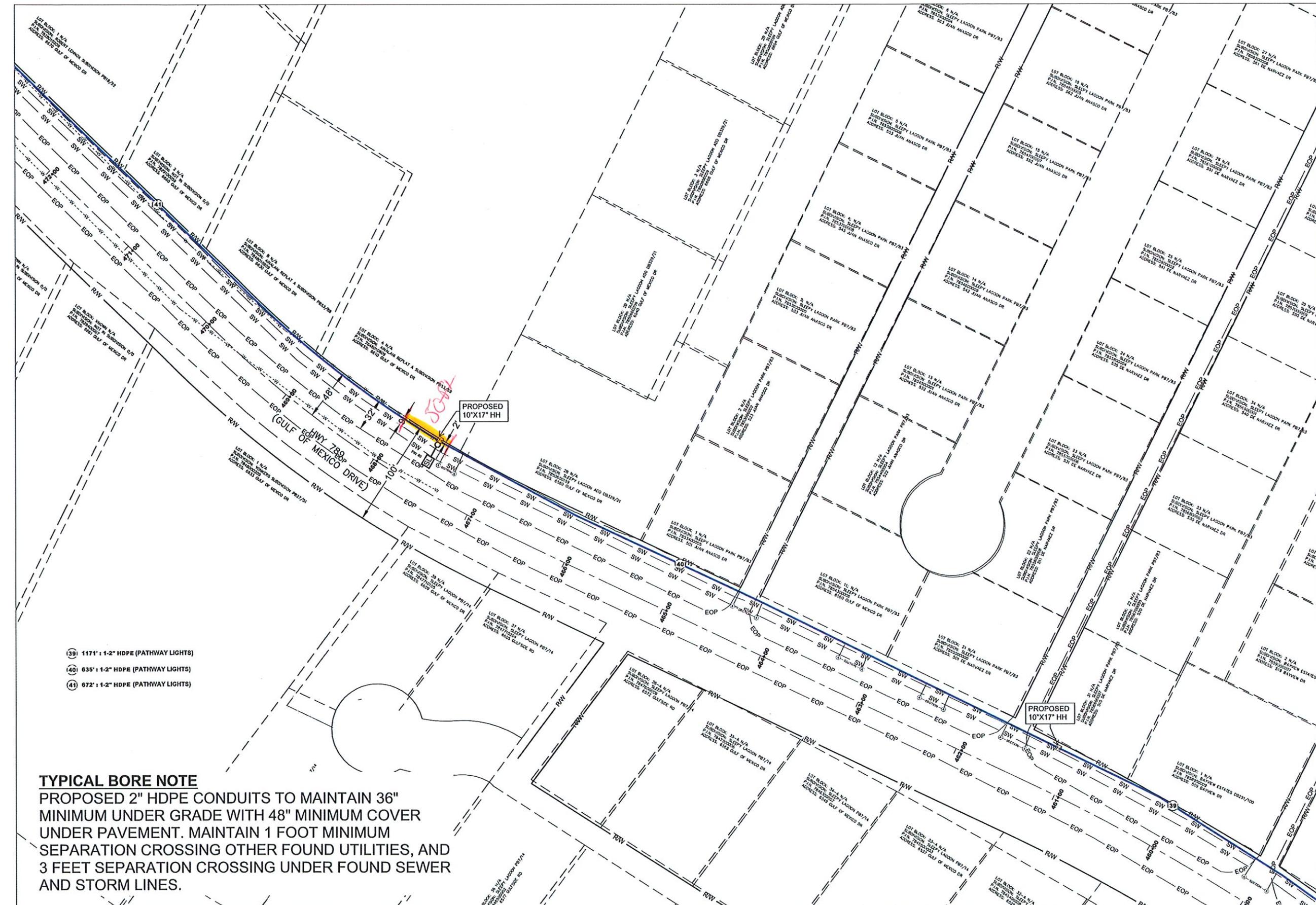
REVISIONS

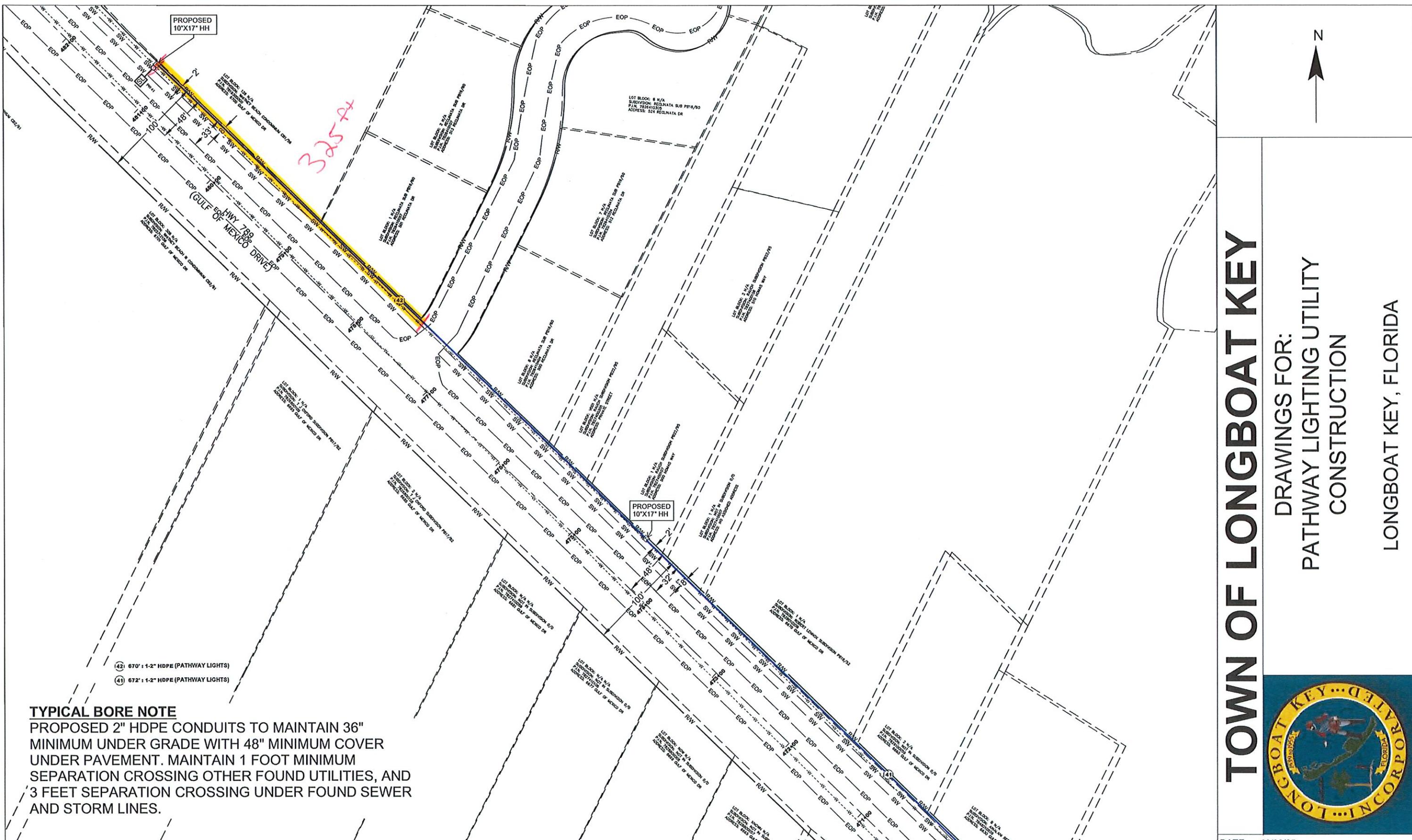
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09/09/25	ORIGINAL REMOVED DESIGN NORTH OF PW 41	AKD



TYPICAL BORE NOTE

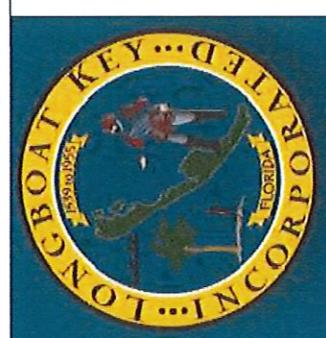
PROPOSED 2" HDPE CONDUITS TO MAINTAIN 36" MINIMUM UNDER GRADE WITH 48" MINIMUM COVER UNDER PAVEMENT. MAINTAIN 1 FOOT MINIMUM SEPARATION CROSSING OTHER FOUND UTILITIES, AND 3 FEET SEPARATION CROSSING UNDER FOUND SEWER AND STORM LINES.





DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA



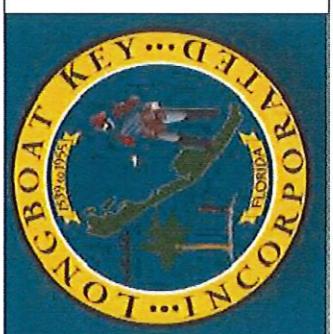
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DRAWN BY:	KJW
DESIGNED BY:	AKD
SHEET:	39 OF 39

N

TOWN OF LONGBOAT KEY

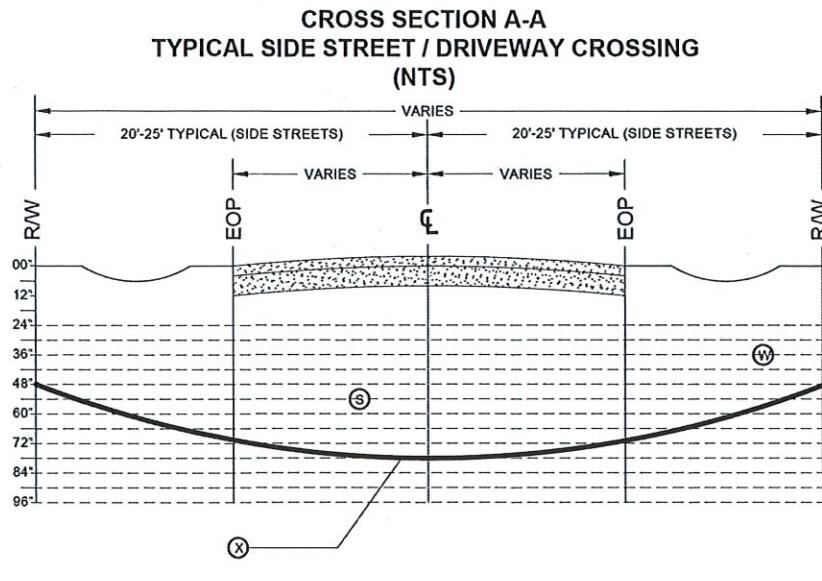
DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA

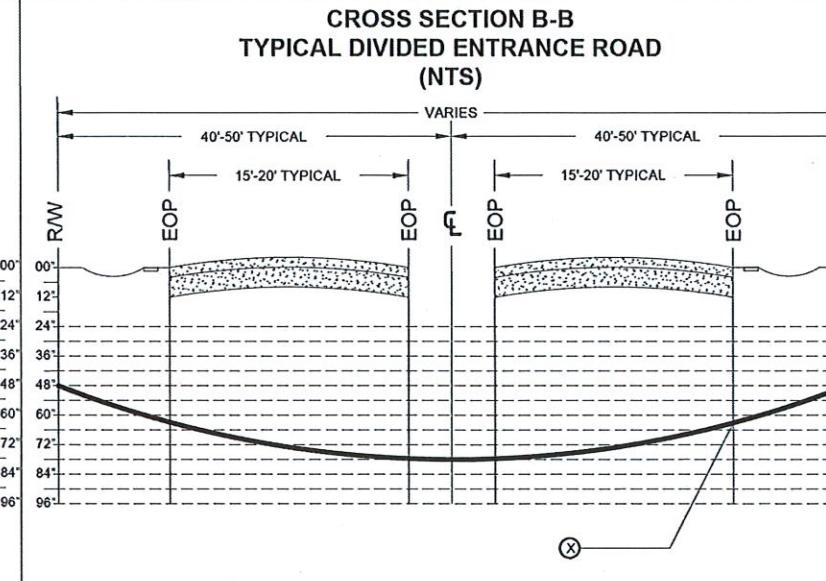


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DESIGNED BY:	AKD
SHEET:	C1

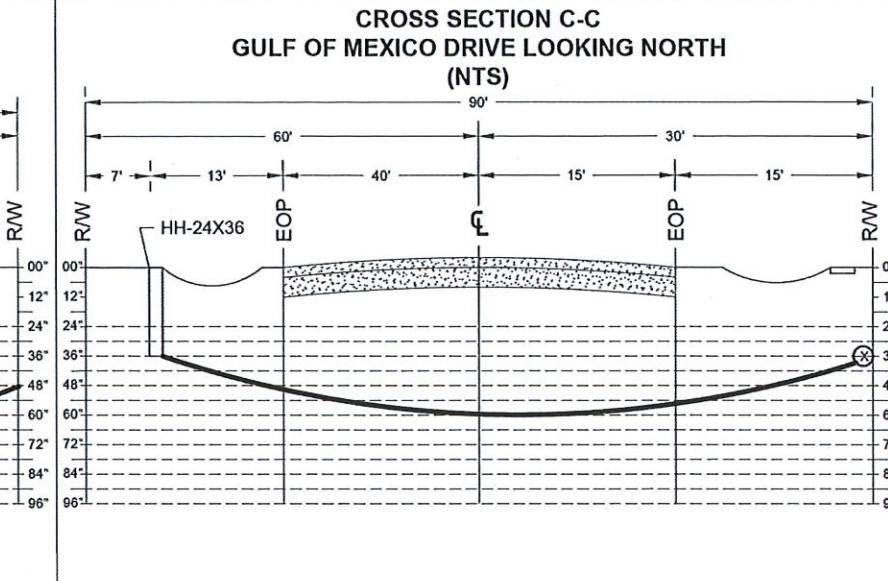
CROSS SECTION A-A TYPICAL SIDE STREET / DRIVEWAY CROSSING (NTS)



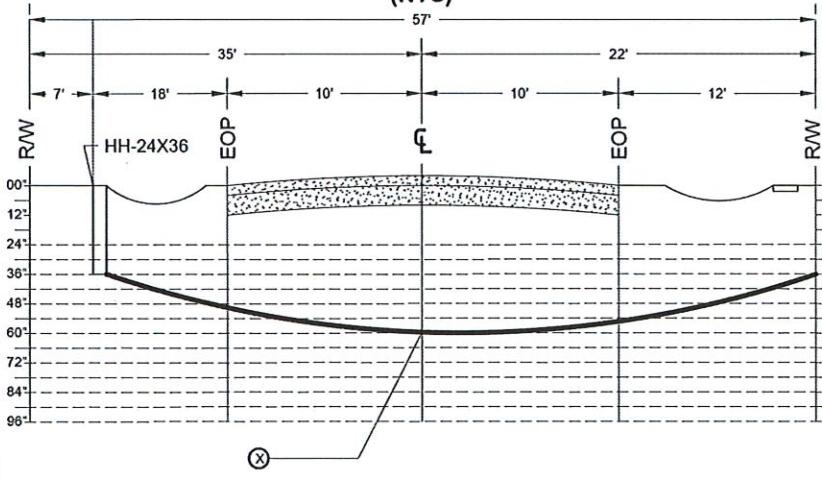
CROSS SECTION B-B TYPICAL DIVIDED ENTRANCE ROAD (NTS)



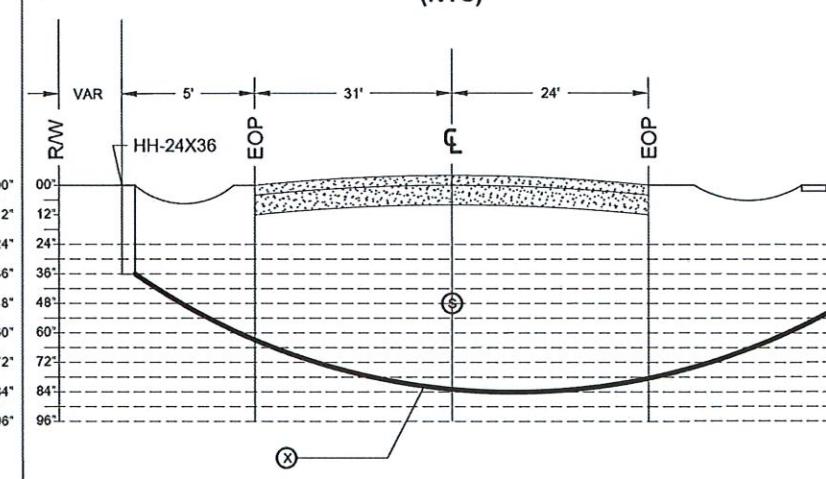
CROSS SECTION C-C GULF OF MEXICO DRIVE LOOKING NORTH (NTS)



CROSS SECTION D-D GENERAL HARRIS STREET LOOKING EAST (NTS)



CROSS SECTION E-E BROADWAY STREET LOOKING EAST (NTS)



SYMBOL LEGEND

(G)	GAS	(E)	ELECTRIC POWER
(S)	SEWER	(T)	TELEPHONE/CABLE TV
(W)	WATER	(X)	PROPOSED TOWN STREET LIGHT & FIBER OPTIC FACILITIES (2" CONDUITS)
(D)	STORM DRAIN		

BORE CONSIDERATIONS

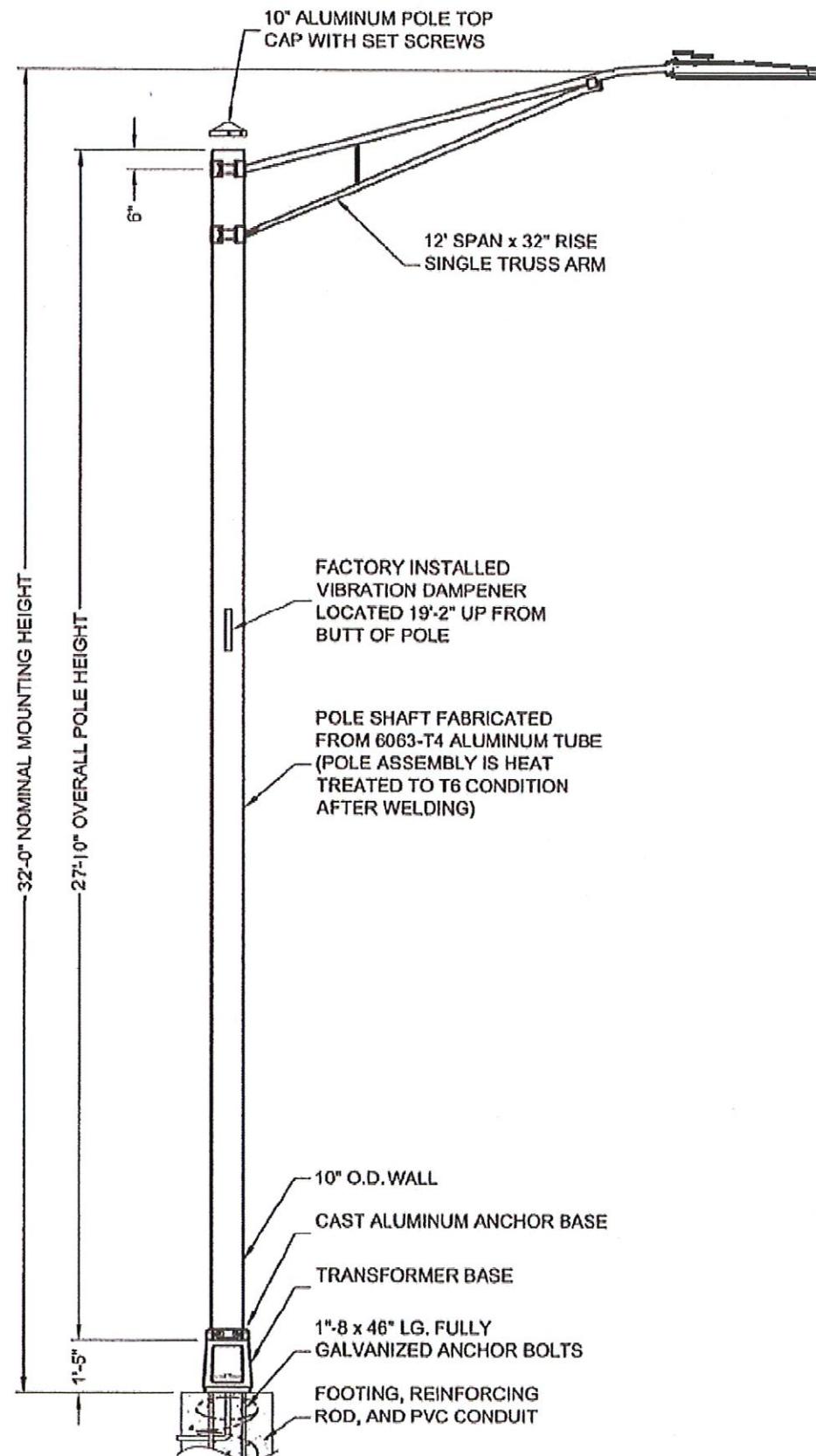
PROPOSED 2" HDPE CONDUITS WITH 48" MINIMUM COVER UNDER PAVEMENT. MAINTAIN 1 FOOT MINIMUM SEPARATION CROSSING OTHER FOUND UTILITIES, AND 3 FEET SEPARATION CROSSING UNDER FOUND SEWER AND STORM LINES.

REVISIONS

	DESCRIPTIONS	INITIAL
08/11/25	ORIGINAL	AKD
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD



CROSS SECTIONS

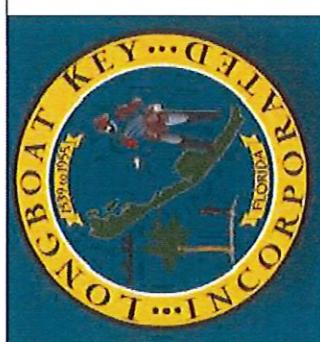


PATHWAY LIGHTS

- Pole Material - Aluminum
- Pole Type - Straight round
- Fixture Mounting Height - 32' maximum
- Pole Color - Black Powder Coat
- Base Type - Anchor Base
- Breakaway (Frangible) Base Option to be provided per FDOT requirements.
- Mounting Arm Length - 12'
- Luminaire Model - Phillips Road Focus cobra head LED 3K style or approved equal.
- Luminaires have house side shields where located within sight of any person observing from the beach.
- FUTURE Antenna Model - Commscope VVSSP or approved equal
- FUTURE Small Cell Model - Nokia Flexi-zone Outdoor Microcell Model FW2QQF or approved equal.
- Small Cell Mounting Height -10'
- Excess Capacity - Design to provide excess of 5 sq ft EPA for future antenna equipment loading.
- Anchor Base Design and Wind loading calculations to be provided by equipment supplier.
- Voltage to be 240V-1Ø. Ballasts to be universal type. Voltage Drop shall not exceed 5%.
- Street light tap handholes shall be 10" x 17" at Light Poles.
- Minimum size wire shall be less than #10 AWG CU THHN or approved equal.
- Minimum conduit size shall be 1" for tap to pole, and 2" for feeders.
- Where alternate luminaires are proposed, supplier shall provide FDOT compliant photometrics.
- All Luminaires to be equipped with photocell control.



TOWN OF LONGBOAT KEY



DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA

DATE:	09/09/25
SCALE:	N.T.S.
DRAWN BY:	KJW
DESIGNED BY:	AKD
SHEET:	D1



DETAILS

REVISIONS

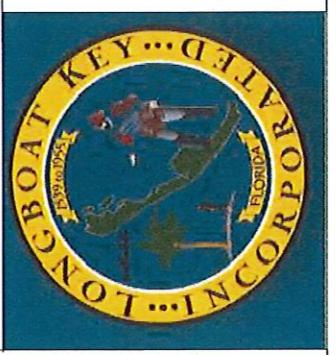
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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD

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TOWN OF LONGBOAT KEY

DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

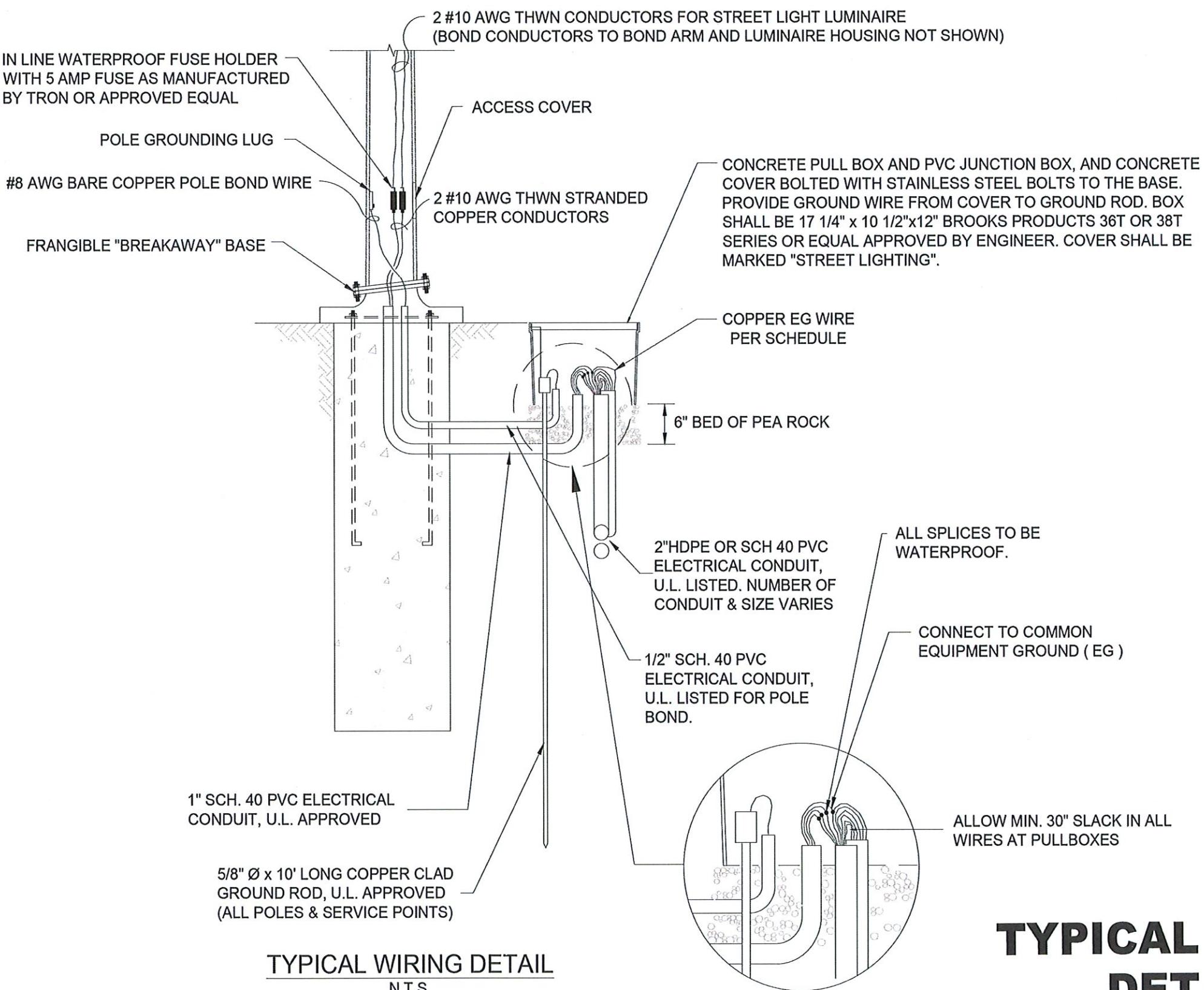
LONGBOAT KEY, FLORIDA



DATE: 09/09/25
SCALE: N.T.S.
DRAWN BY: KJW
DESIGNED BY: AKD
SHEET: D2

TYPICAL WIRING DETAIL

TYPICAL WIRING DETAIL
N.T.S.



DETAILS

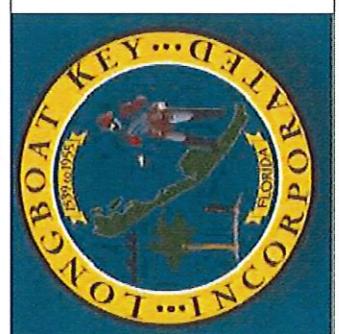
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09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD

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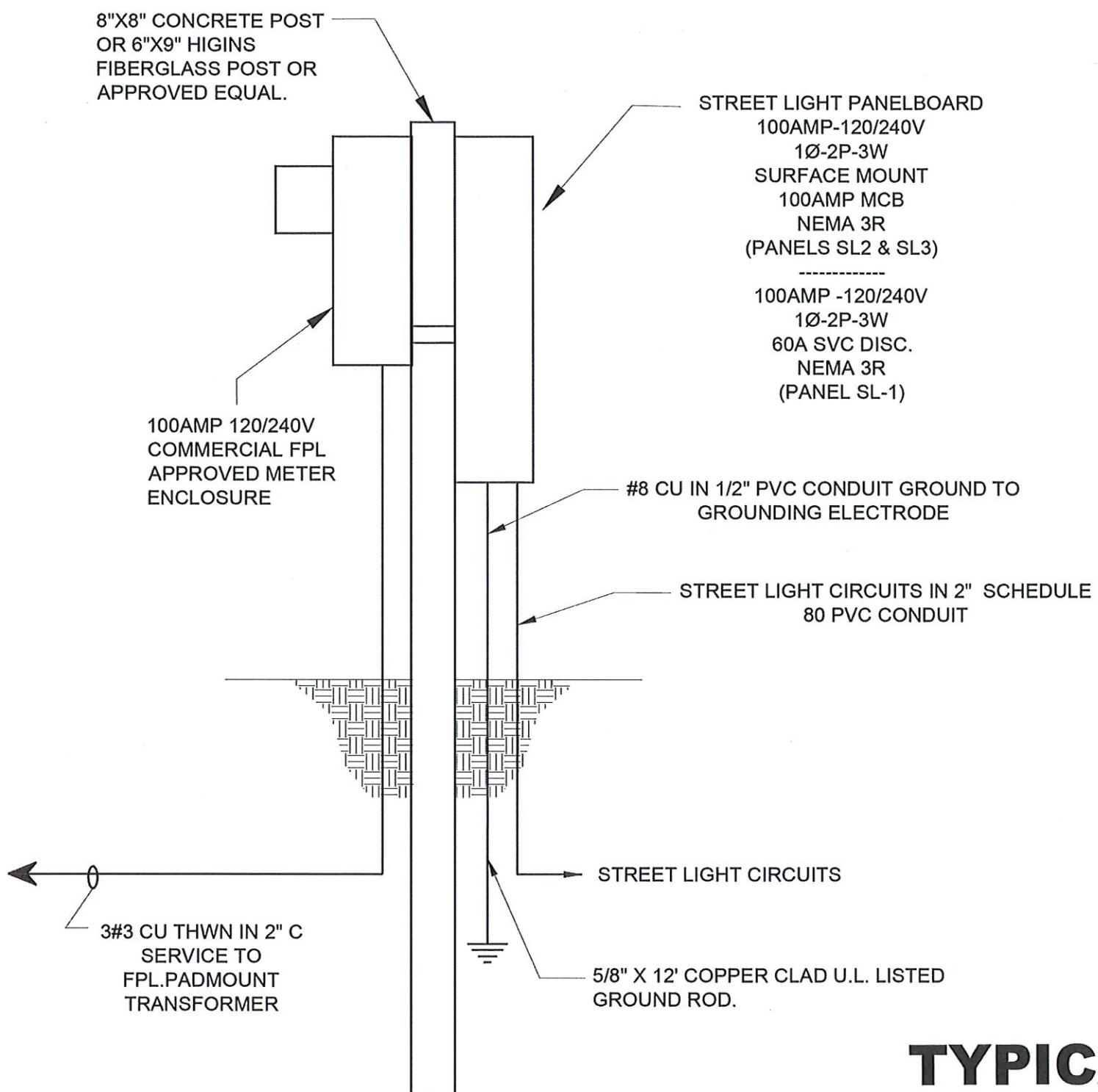
TOWN OF LONGBOAT KEY

DRAWINGS FOR:
PATHWAY LIGHTING UTILITY
CONSTRUCTION

LONGBOAT KEY, FLORIDA



DATE:	09/09/25
SCALE:	N.T.S.
DRAWN BY:	KJW
DESIGNED BY:	AKD
SHEET:	D3



TYPICAL POST MOUNTED SERVICE RISER
N.T.S.

TYPICAL POWER CENTER DETAIL

DETAILS

	DESCRIPTIONS	INITIAL
08/11/25	ORIGINAL	AKD
09/09/25	REMOVED DESIGN NORTH OF PW 41	AKD