



Sleepy Lagoon – Bayview Drive, De Narvaez Drive, and Juan Anasco Drive Flood Resiliency Project Public Meeting #2

March 4, 2026 1:00pm

Our Team



Town of Longboat Key Staff:

Charlie Mopps, PMP
Public Works Director

Jennifer Fehrs, P.E.
Town Engineer

David Kushnir, PMP, CPP
Project Manager

HR Green Staff:



Devyn Brown, PE
Project Manager/EOR



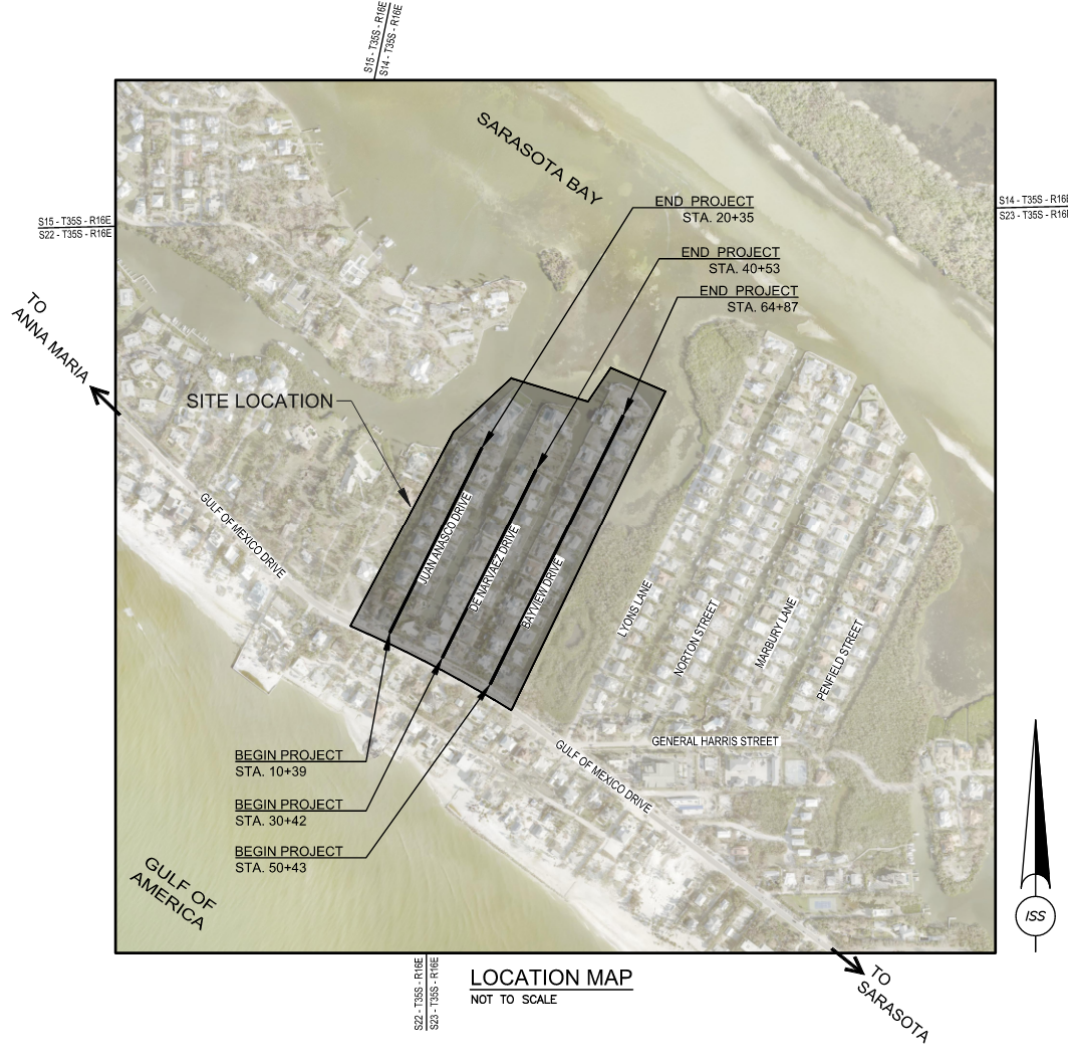
Mark Mueller, CET
Production Manager



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Drive, and Juan Anasco Drive
Longboat Key, FL

Project Limits



Flood Resiliency Project

This project is needed to increase resiliency in Sleepy Lagoon to mitigate flood impacts due to sunny day flooding caused by high tides and king tides that are subjected to increased flood risks due to sea level rise for the minimum 25-year/24-hour storm event.



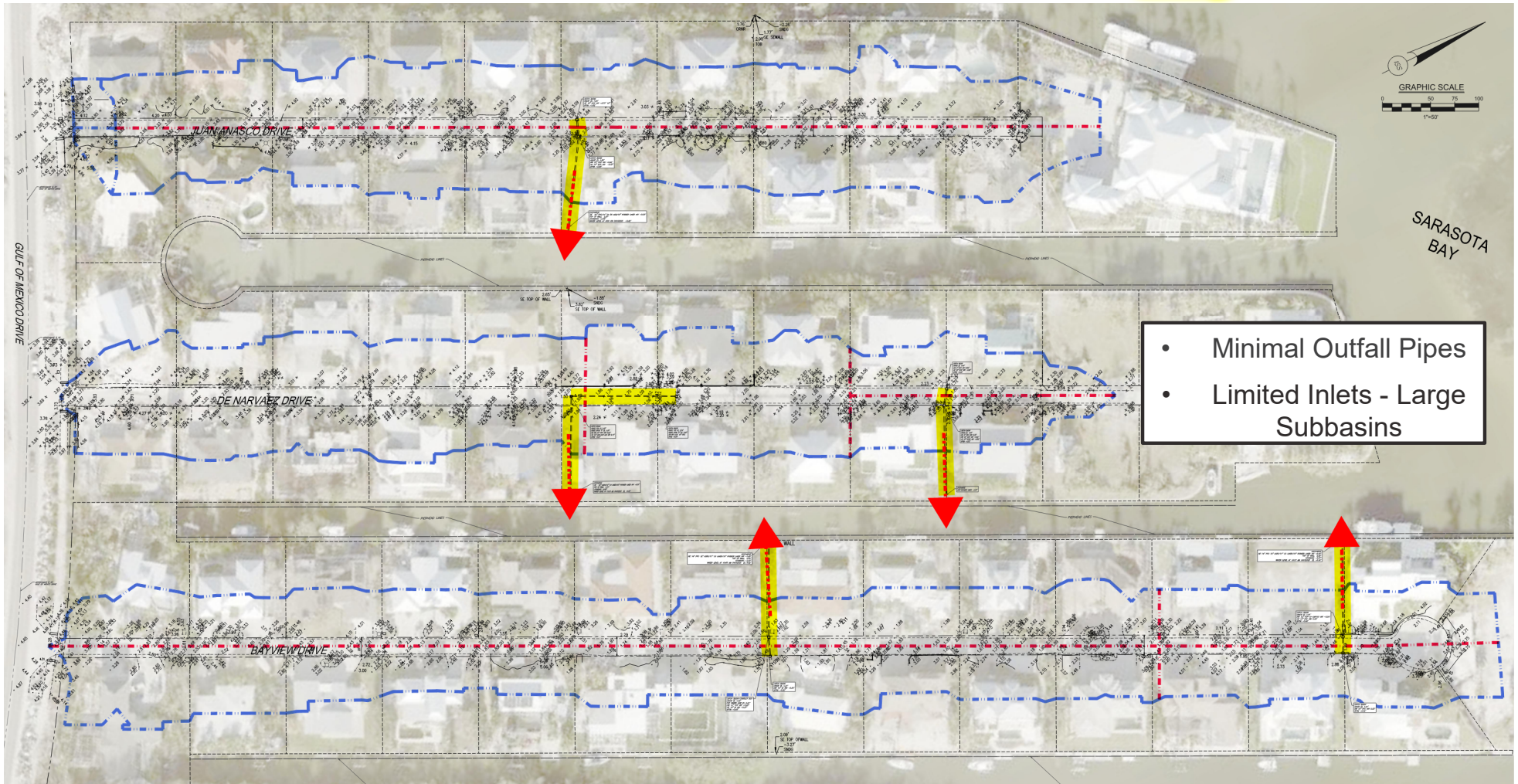
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Existing Drainage Basin Map

LEGEND

- EXISTING BASIN LINE
- EXISTING SUBBASIN LINE
- EXISTING OUTFALL FLOW ARROW
- PROPOSED OUTFALL FLOW ARROW



- Minimal Outfall Pipes
- Limited Inlets - Large Subbasins







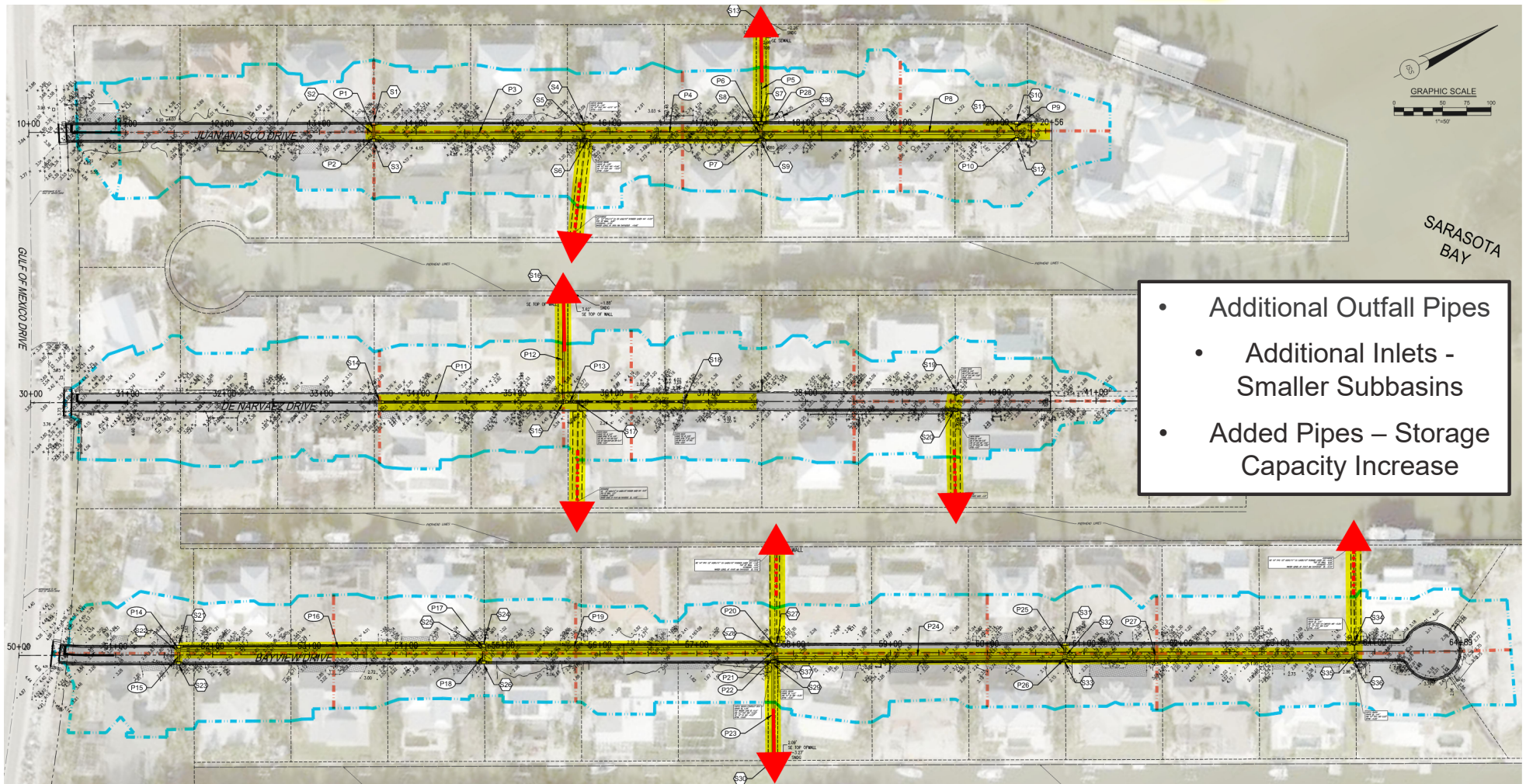
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Proposed Drainage Basin Map

LEGEND

-  EXISTING BASIN LINE
-  EXISTING SUBBASIN LINE
-  EXISTING OUTFALL FLOW ARROW
-  PROPOSED OUTFALL FLOW ARROW



- Additional Outfall Pipes
- Additional Inlets - Smaller Subbasins
- Added Pipes – Storage Capacity Increase



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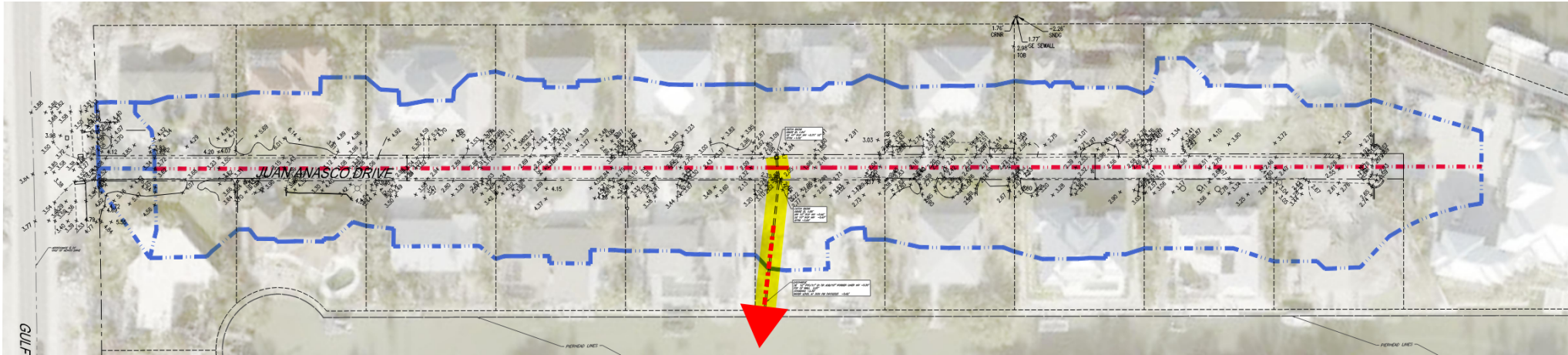
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Longboat Key, FL

Street Level Drainage Basin Map

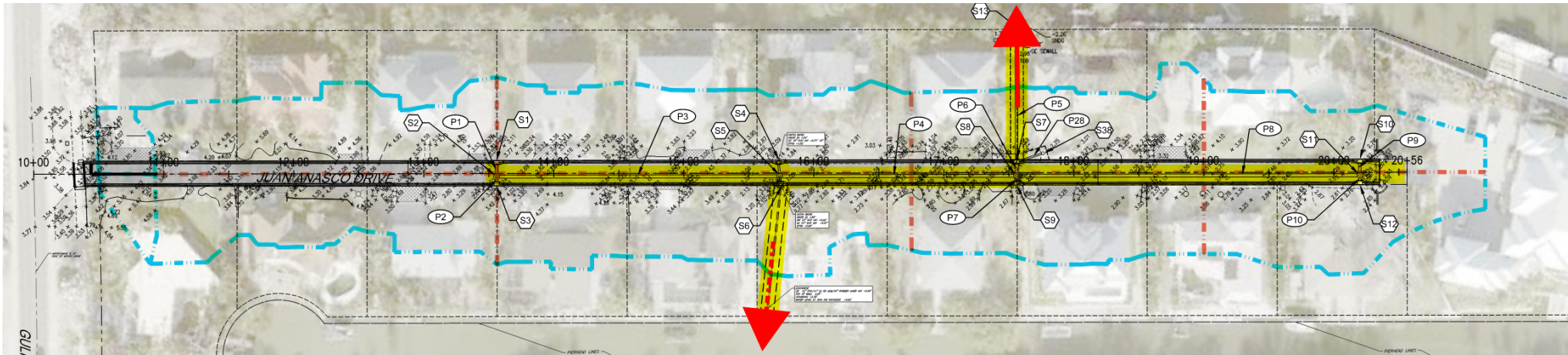
Existing Conditions

LEGEND

- EXISTING BASIN LINE
- EXISTING SUBBASIN LINE
- EXISTING OUTFALL FLOW ARROW
- PROPOSED OUTFALL FLOW ARROW



Proposed Conditions



Juan Anasco Drive



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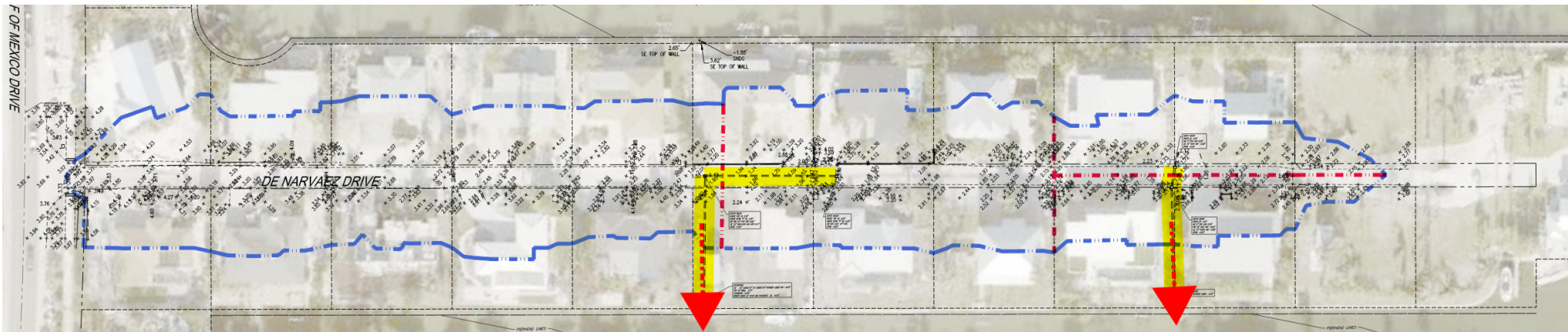
Sleepy Lagoon – Bayview Drive, De Narvaez Drive, and Juan Anasco Drive
Longboat Key, FL

Street Level Drainage Basin Map

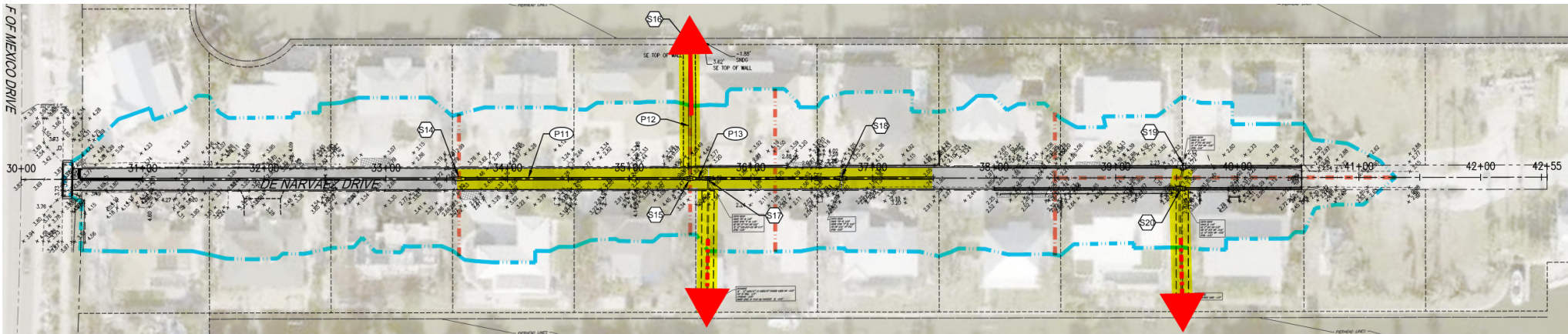
LEGEND

- EXISTING BASIN LINE
- EXISTING SUBBASIN LINE
- EXISTING OUTFALL FLOW ARROW
- PROPOSED OUTFALL FLOW ARROW

Existing Conditions



Proposed Conditions



De Narvaez Drive



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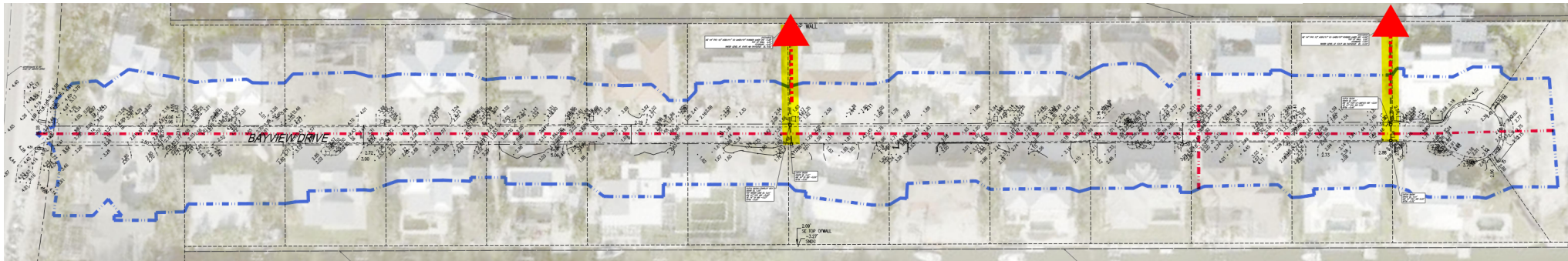
Sleepy Lagoon – Bayview Drive, De Narvaez Drive, and Juan Anasco Drive
Longboat Key, FL

Street Level Drainage Basin Map

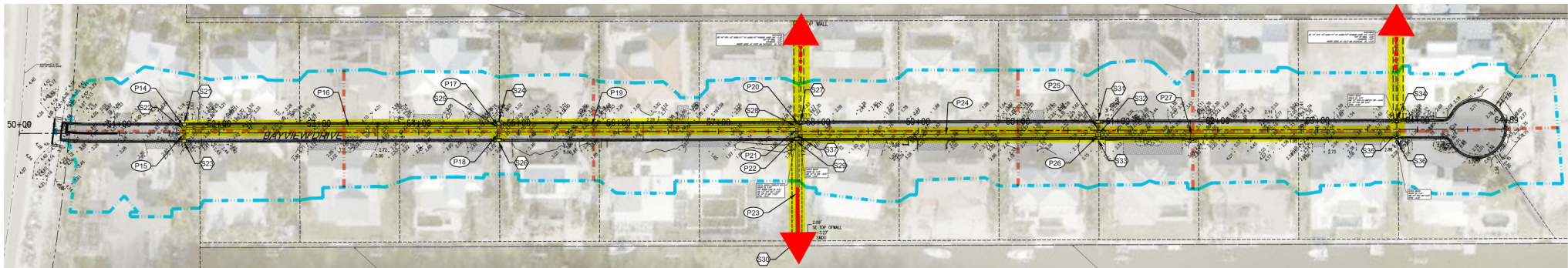
Existing Conditions

LEGEND

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- EXISTING SUBBASIN LINE
- EXISTING OUTFALL FLOW ARROW
- PROPOSED OUTFALL FLOW ARROW



Proposed Conditions



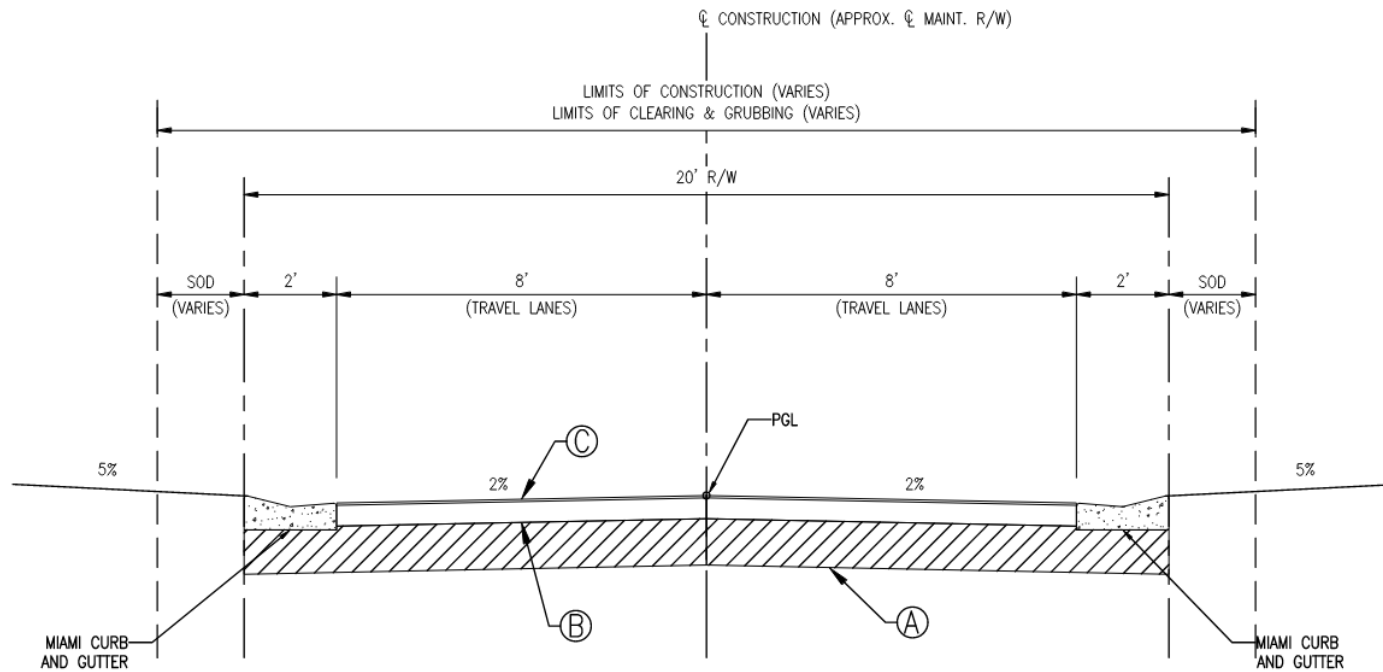
Bayview Drive



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Proposed Roadway Cross-Sections



TYPICAL SECTION

JUAN ANASCO DRIVE
STA. 10+50 TO STA. 20+35

DESIGN SPEED: 25 MPH
POSTED SPEED: 20 MPH

Juan Anasco Drive

Elevation Change:

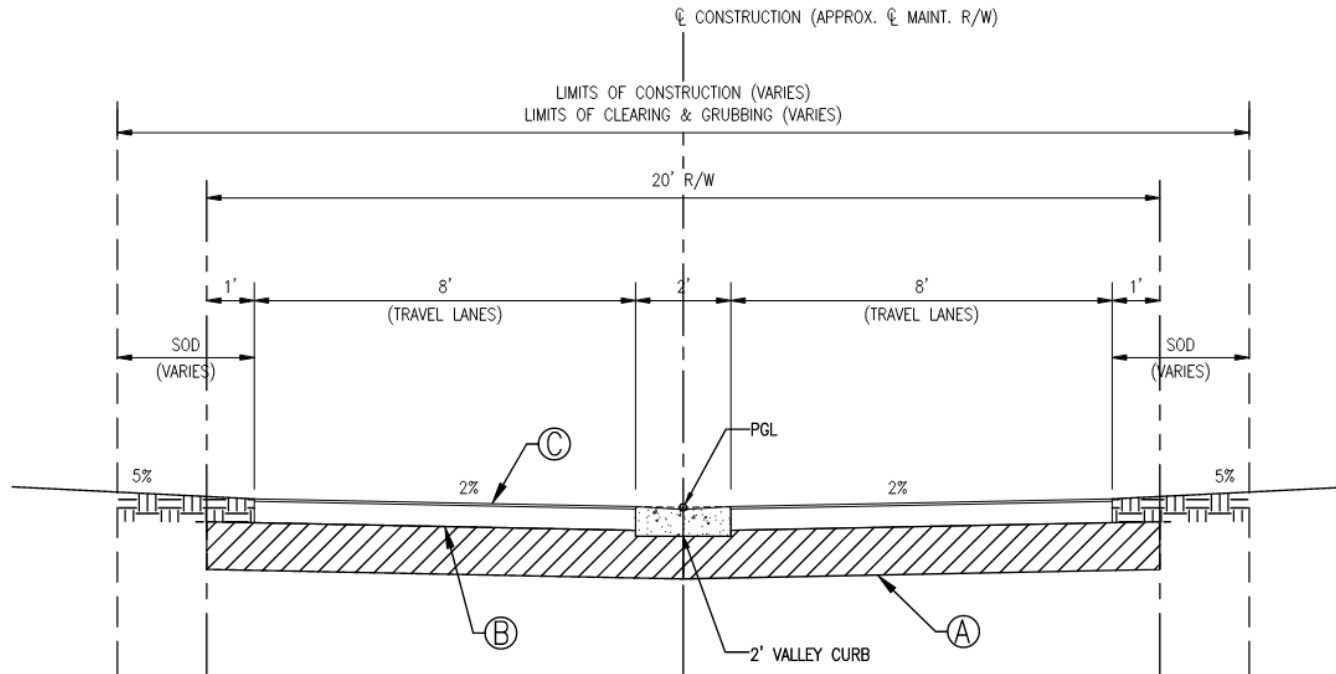
0" to +11"
(Average: +7")



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Proposed Roadway Cross-Sections



TYPICAL SECTION

DE NARVAEZ DRIVE
STA. 30+50 TO STA. 37+50

DESIGN SPEED: 25 MPH
POSTED SPEED: 20 MPH

De Narvaez Drive STA 30+50 to STA 37+50

Elevation Change:

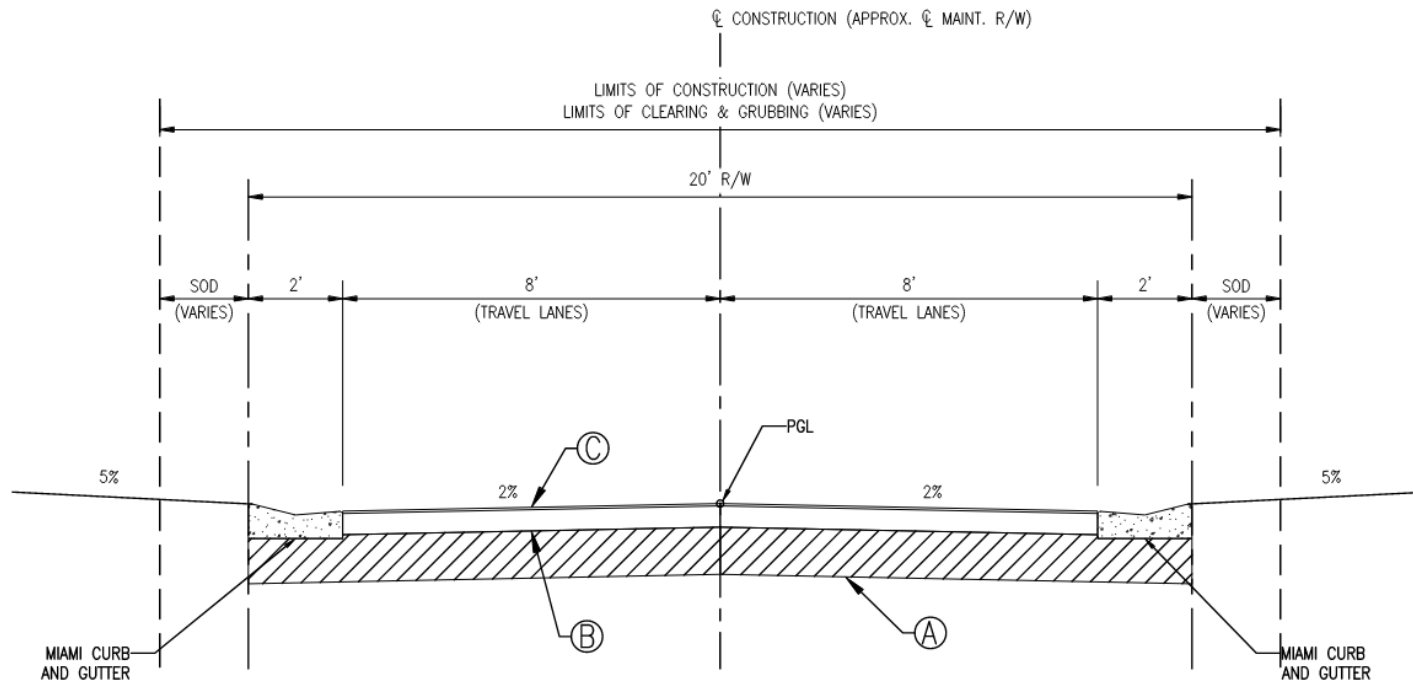
0" to +5"
(Average: +3")



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Proposed Roadway Cross-Sections



TYPICAL SECTION

DE NARVAEZ DRIVE
STA. 38+50 TO STA. 40+53

DESIGN SPEED: 25 MPH
POSTED SPEED: 20 MPH

De Narvaez Drive
STA 38+50 to STA 40+53

Elevation Change:

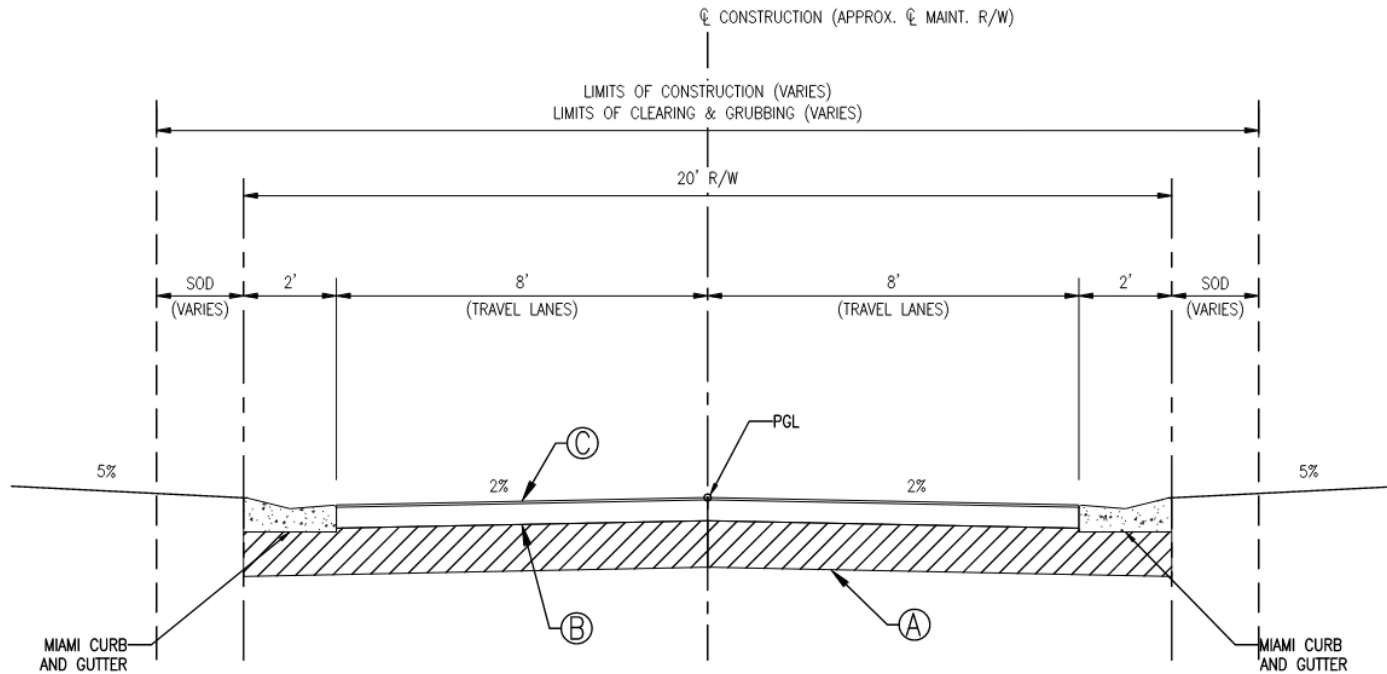
0" to +8"
(Average: +3")



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Proposed Roadway Cross-Sections



TYPICAL SECTION

BAYVIEW DRIVE
STA. 50+50 TO STA. 64+25

DESIGN SPEED: 25 MPH
POSTED SPEED: 20 MPH

Elevation Change:

0" to +10"
(Average: +6")

Bayview Drive



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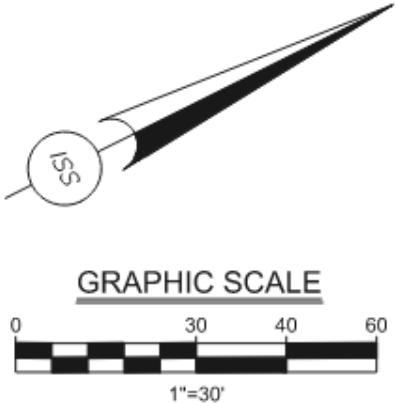
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Longboat Key, FL

Easements



Types of Easements

Temporary Construction Easements – Impacts due to transition grading. (nearly every lot can anticipate)

Permanent Easements – Outfall pipe locations, existing and proposed – see table. Additional coordination will be communicated directly with these property owners after permitting is finalized.



LEGEND

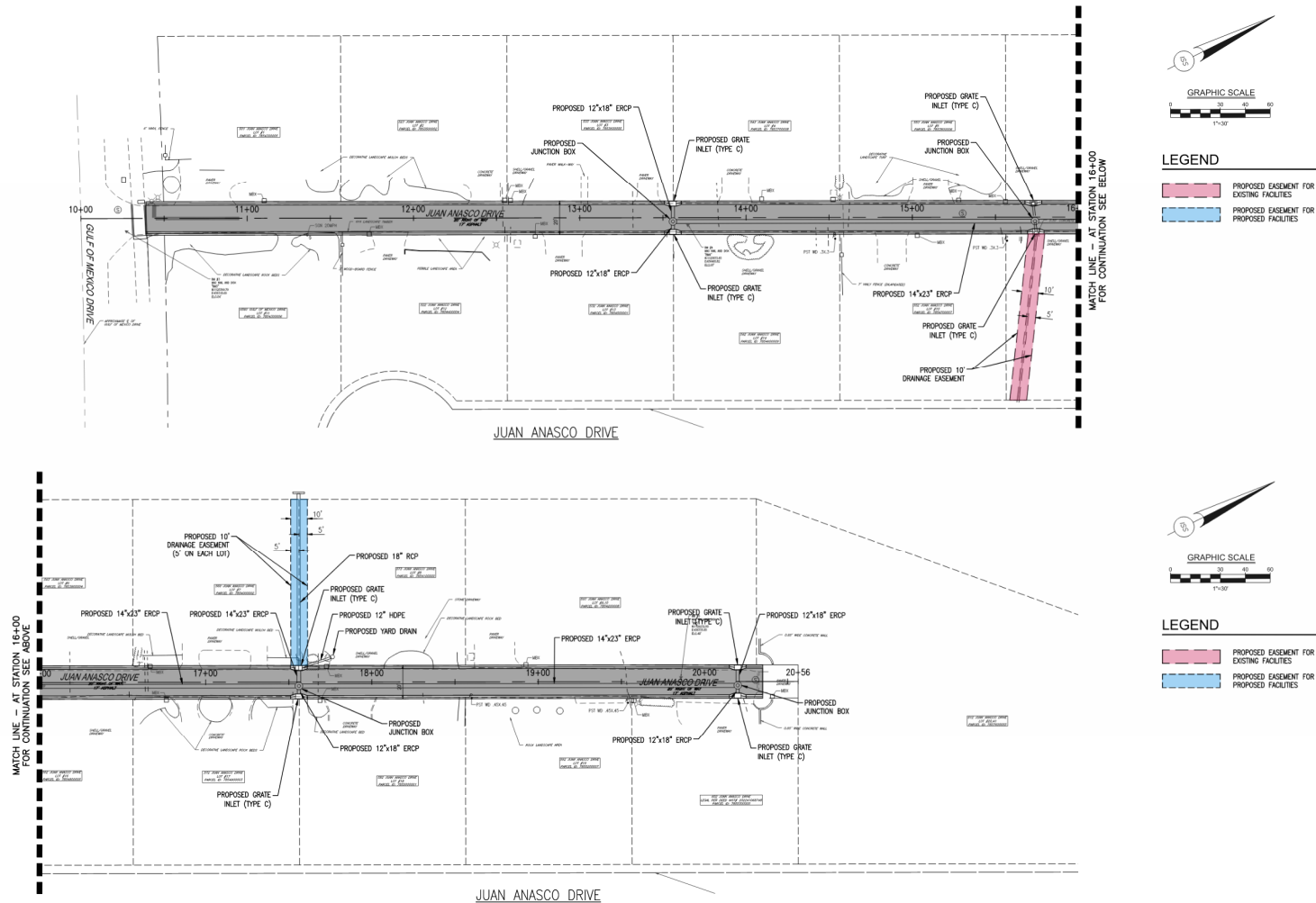
	PROPOSED EASEMENT FOR EXISTING FACILITIES
	PROPOSED EASEMENT FOR PROPOSED FACILITIES



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Easements



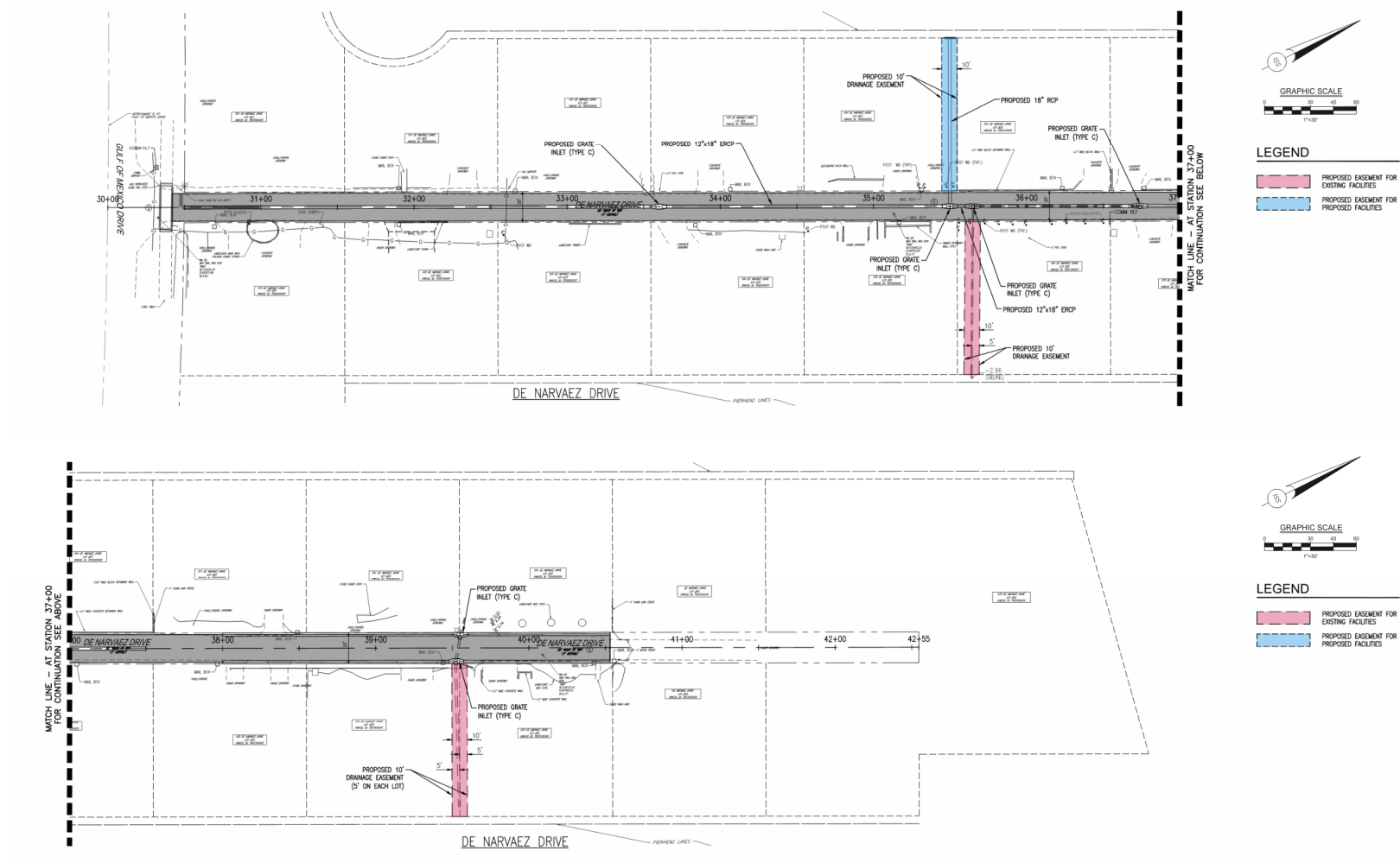
Juan Anasco Drive



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Easements



De Narvaez Drive



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Locations of Permanent Easements

Address	Existing or Proposed	10' Outfall Easement
569 Juan Anasco Drive	Proposed	X
573 Juan Anasco Drive	Proposed	X
562 Juan Anasco Drive	Existing	X
541 De Narvaez Drive	Proposed	X
551 De Narvaez Drive	Proposed	X
590 De Narvaez Drive	Existing	X
600 De Narvaez Drive	Existing	X
560 De Narvaez Drive	Existing	X
569 Bayview Drive	Existing	X
579 Bayview Drive	Existing	X
629 Bayview Drive	Existing	X
639 Bayview Drive	Existing	X
578 Bayview Drive	Proposed	X
558 Bayview Drive	Proposed	X



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Project Website

Features

Project Description

GIS Map Link

Project Documents

Contact Us



<https://lbk-sleepy-lagoon-2025-02.com/>



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Project Design and Permitting Timeline

Milestone	Anticipated Date
Submit 90% Plans, Specs, Estimate to Town	March 2026
Town 90% Plans Review & Internal QC Review	April 2026
Permit Application Submittals (as required)	April 2026
Incorporate Town/Permit Review Comments	June 2026
100% Contract Documents with Permits	July 2026



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Construction Timing/Coordination

- Communication/Coordination with Residents will be paramount before and during construction.
- Pre-Construction Video will be taken to ensure Contractor restores project to pre-construction conditions.
- Access to homes will be maintained during construction.
- Accessibility will be challenging for delivery trucks, construction vehicles, etc. during construction.
- The construction will be scheduled during off-season, to the greatest extent possible.
- Timing for Start of Construction – based on grant funding cycles and awards. Town staff to provide more information.



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