

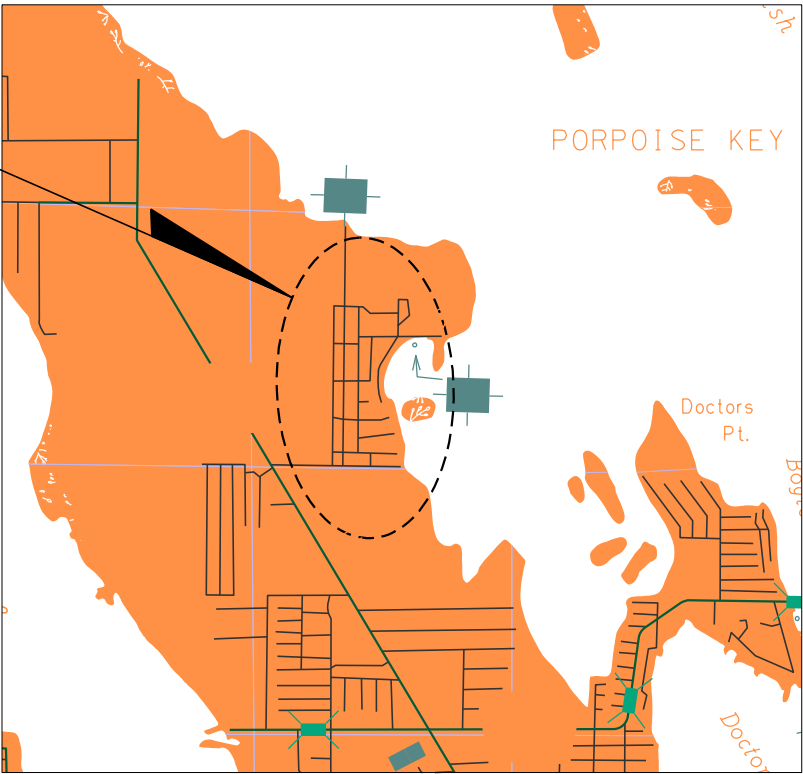
CONTRACT PLANS

MONROE COUNTY ROADWAY
VULNERABILITY ANALYSIS
AND CAPITAL PLAN

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	PROJECT LAYOUT
3 - 3B	TYPICAL SECTIONS
4 - 14	ROADWAY PLAN

PROJECT AREA



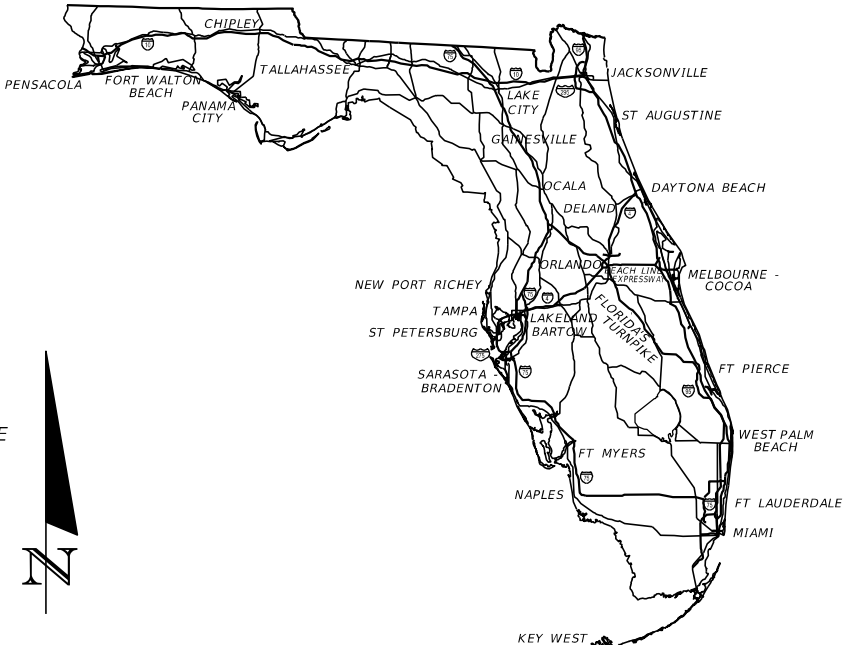
Disclaimer:
These are conceptual roadway plans developed under the Monroe County Roadway Vulnerability Analysis project for planning purposes. The analysis considered the NOAA 2017 (Intermediate-High) Sea Level Rise and King Tide Projections for a target year of 2045. A pump station parcel will be required and identified in the design phase. The recommended roadway elevation projects depicted and perceived drainage structure locations and layout shown are subject to change throughout the execution of the engineering design phase. These conceptual roadway plans cannot be relied upon for any other purpose by any third party.

TO
LITTLE PINE
KEY

TO
MIDDLE TORCH
KEY



LOCATION OF PROJECT



PLANS PREPARED BY:
HDR ENGINEERING, INC.
8333 NW 53RD STREET, SUITE 302
DORAL, FL 33166

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

PRELIMINARY PLANS
FOR REFERENCE PURPOSES ONLY
MARCH 2022



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PROJECT LENGTH IS BASED ON Q OF CONSTRUCTION

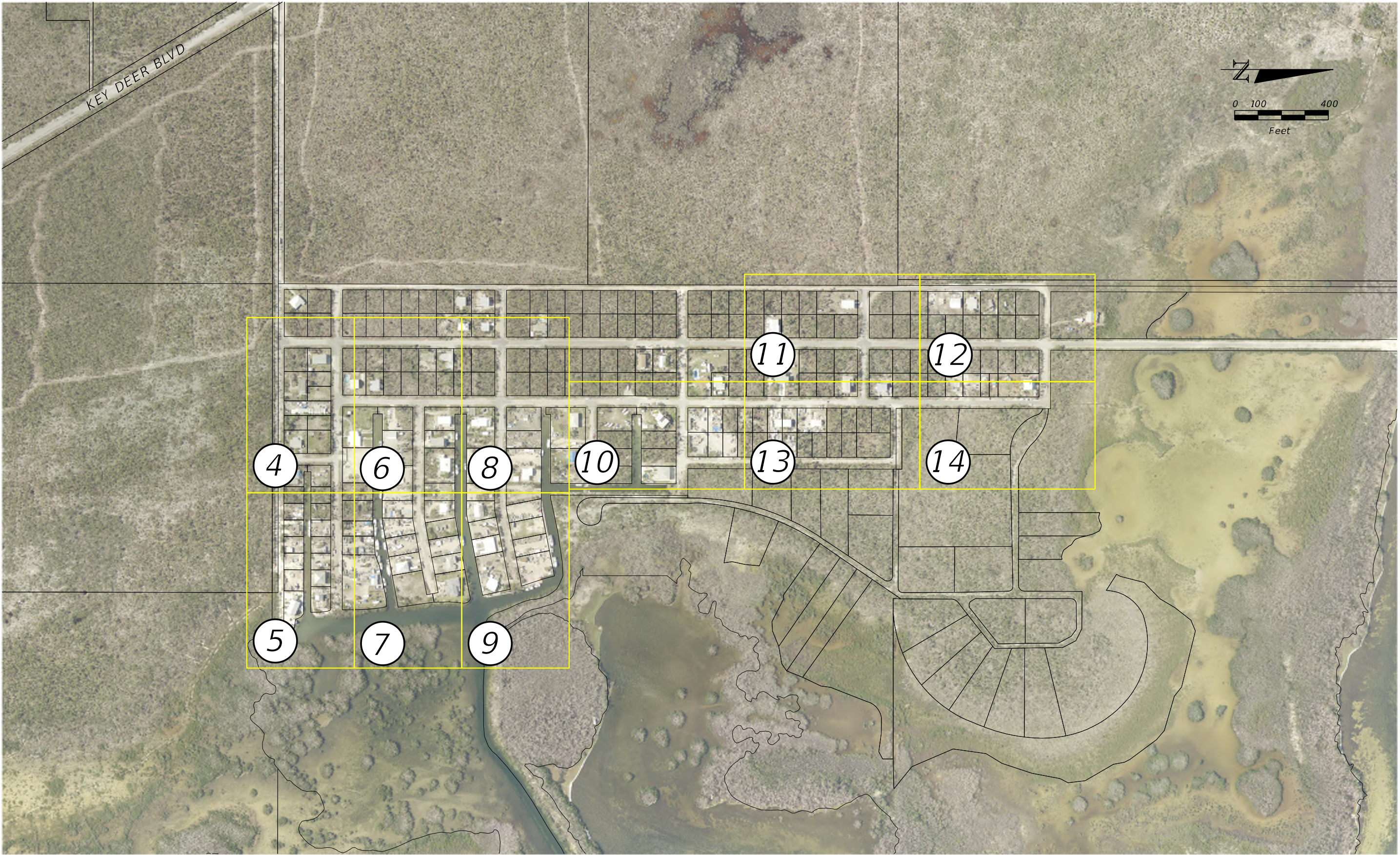
LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	7,455	1.412
BRIDGES	--	--
NET LENGTH OF PROJECT	7,455	1.412
EXCEPTIONS	--	--
GROSS LENGTH OF PROJECT	7,455	1.412

PROJECT AREA #71
BIG PINE KEY
SUBDIVISIONS:
BIG PINE SHORES / KOEHNS

ROADWAY PLANS
ENGINEER OF RECORD:

P.E. NO:



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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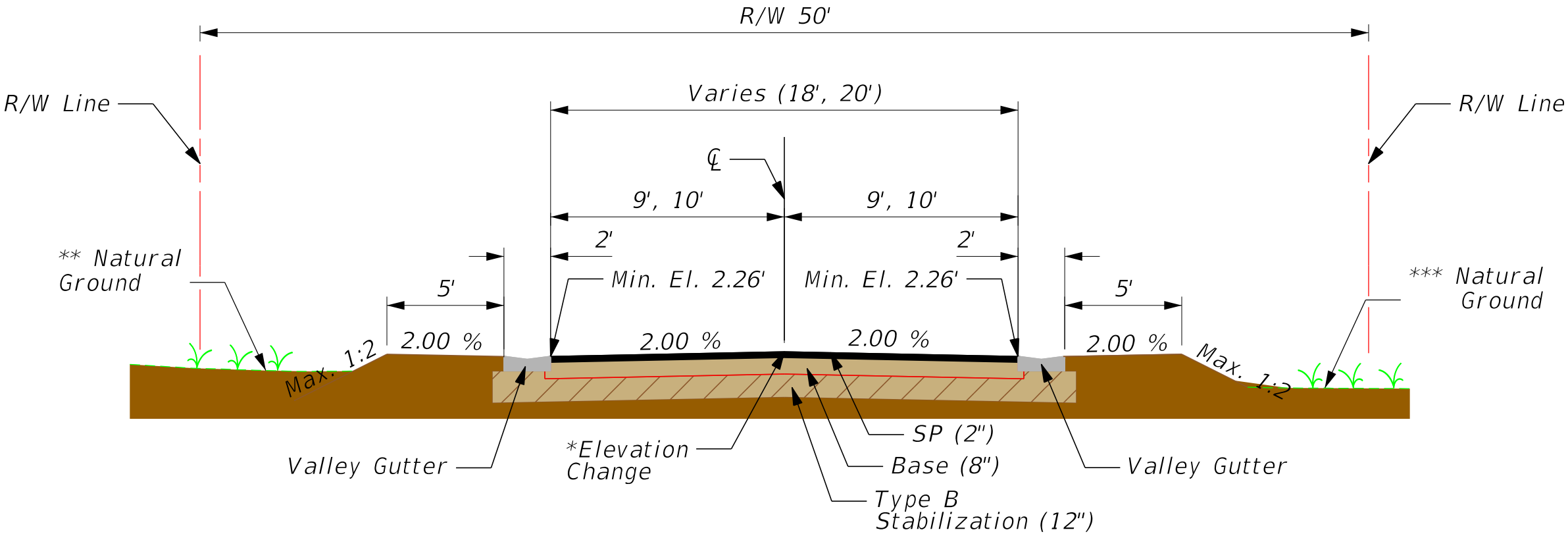


MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN
BIG PINE KEY - BIG PINE SHORES / KOEHNS
PROJECT LAYOUT

SHEET
NO.
2

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Valley Gutter Alternative
Design for NOAA Intermediate-High
2045 SLR Projections

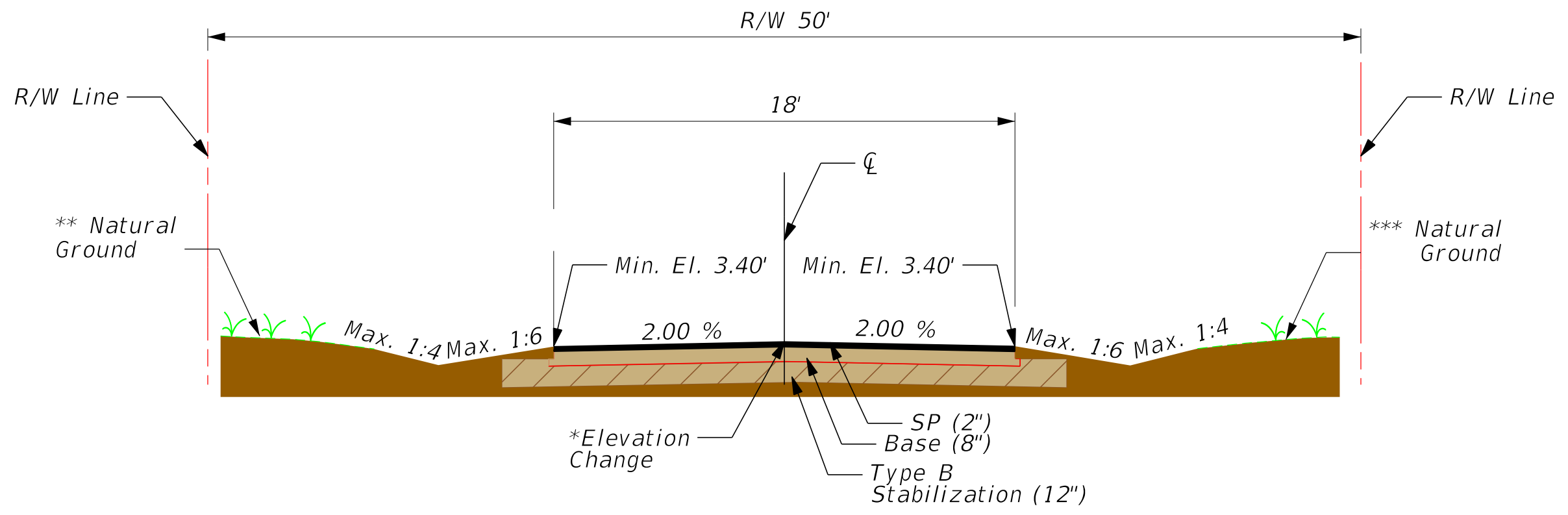


Typical Section 1

(18' Pavement)
Big Pine St
Sta. 100+00 to Sta. 110+26
Mulberry St
Sta. 600+00 to Sta. 602+55

(20' Pavement)
Ridge Ave
Sta. 200+00 to Sta. 202+46
Lucrecia St
Sta. 300+00 to Sta. 309+48
Canal St
Sta. 400+00 to Sta. 408+14
Geraldine St
Sta. 500+00 to Sta. 507+79

Roadway Reconstruction Alternative
Design for NOAA Intermediate-High
2045 SLR Projections



Typical Section 2

Louise St
Sta. 700+56 to Sta. 703+67
Driftwood St
Sta. 900+00 to Sta. 904+88
Pine Ave
Sta. 801+20 to Sta. 811+04

Koehn Ave
Sta. 1004+87 to Sta. 1008+29
Central Ave
Sta. 2000+00 to Sta. 2007+76
Mclean St
Sta. 3000+00 to Sta. 3004+86

REVISIONS			
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MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN
BIG PINE KEY - BIG PINE SHORES / KOEHNS
TYPICAL SECTION

SHEET
NO.
3A

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BIG PINE KEY - BIG PINE SHORES / KOEHNS ELEVATIONS SUMMARY			
ROADWAY SEGMENT	ELEVATION CHANGE * (Between exist. ground and final grade)	LEFT NATURAL GROUND (FT. NAVD88) **	RIGHT NATURAL GROUND (FT. NAVD88) ***
BIG PINE ST	0' - 0.46'	2.06' - 4.25'	-0.05' - 3.98'
RIDGE AVE	0'	2.94' - 3.65'	2.85' - 3.67'
LUCRECIA ST	0' - 0.16'	2.44' - 4.06'	2.51' - 4.45'
CANAL ST	0' - 0.31'	2.26' - 3.86'	2.23' - 3.90'
GERALDINE ST	0' - 0.28'	1.47' - 3.78'	1.93' - 3.86'
MULBERRY ST	0' - 0.23'	2.21' - 3.30'	2.67' - 3.43'
LOUISE ST	0.19' - 1.22'	2.11' - 3.39'	2.11' - 3.74'
DRIFTWOOD ST	0.36' - 1.44'	1.77' - 3.59'	2.05' - 3.97'
PINE AVE	0.67' - 2.78'	0.46' - 3.04'	0.71' - 3.03'
KOEHN AVE	0.01' - 0.41'	1.29' - 3.58'	0.38' - 4.43'
CENTRAL AVE	0.19' - 1.62'	1.99' - 3.87'	1.23' - 3.55'
MCLEAN ST	1.38' - 2.78'	0.14' - 2.30'	0.47' - 4.19'



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MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

BIG PINE KEY - BIG PINE SHORES / KOEHNS

SHEET
NO.

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MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

BIG PINE KEY - BIG PINE SHORES / KOEHNS

SHEET
NO.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

BIG PINE KEY - BIG PINE SHORES / KOEHNS

SHEET
NO.

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MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

BIG PINE KEY - BIG PINE SHORES / KOEHNS

SHEET
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MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

BIG PINE KEY - BIG PINE SHORES / KOEHNS

SHEET
NO.

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MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

BIG PINE KEY - BIG PINE SHORES / KOEHNS

SHEET
NO.

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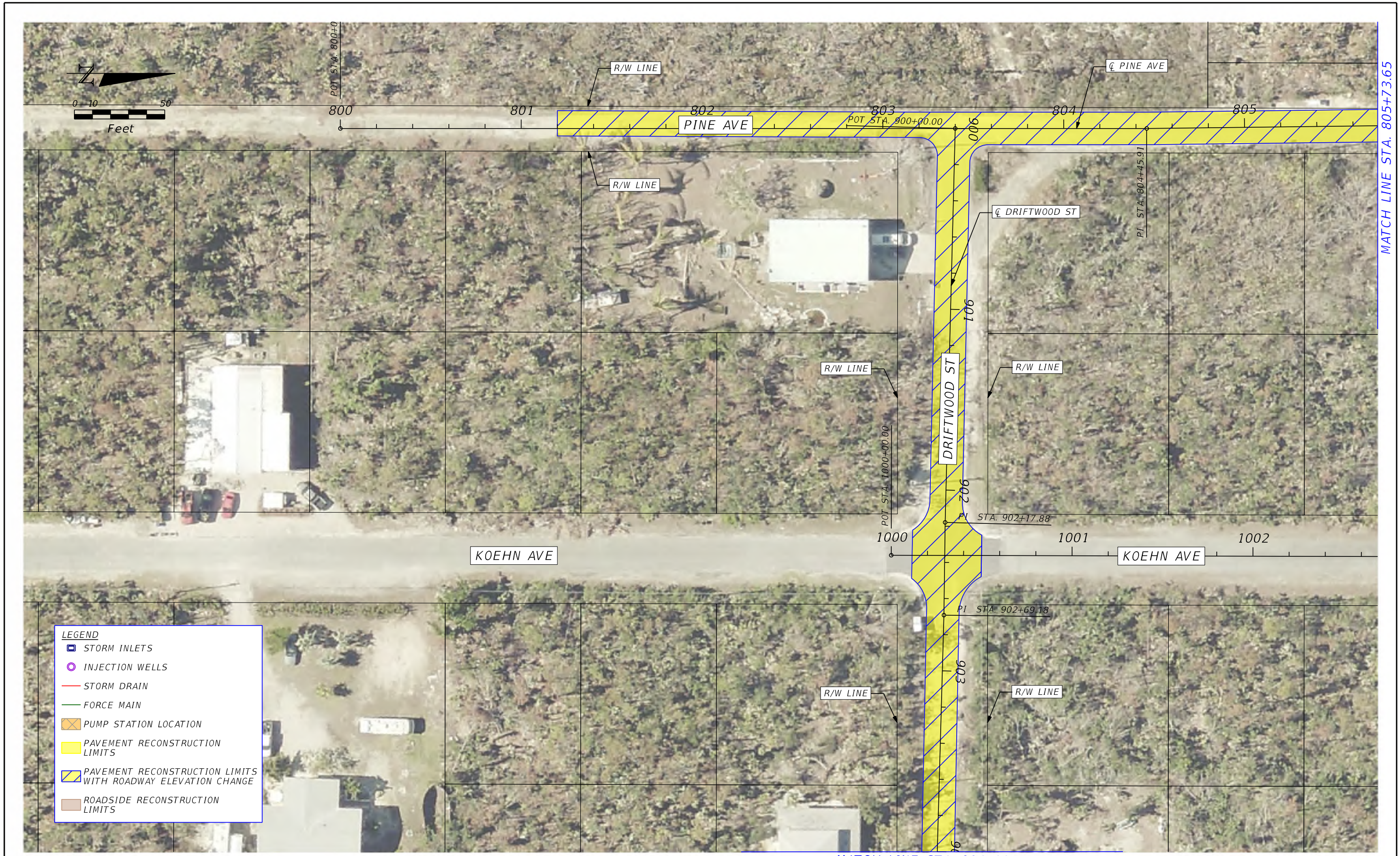
MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

BIG PINE KEY - BIG PINE SHORES / KOEHNS

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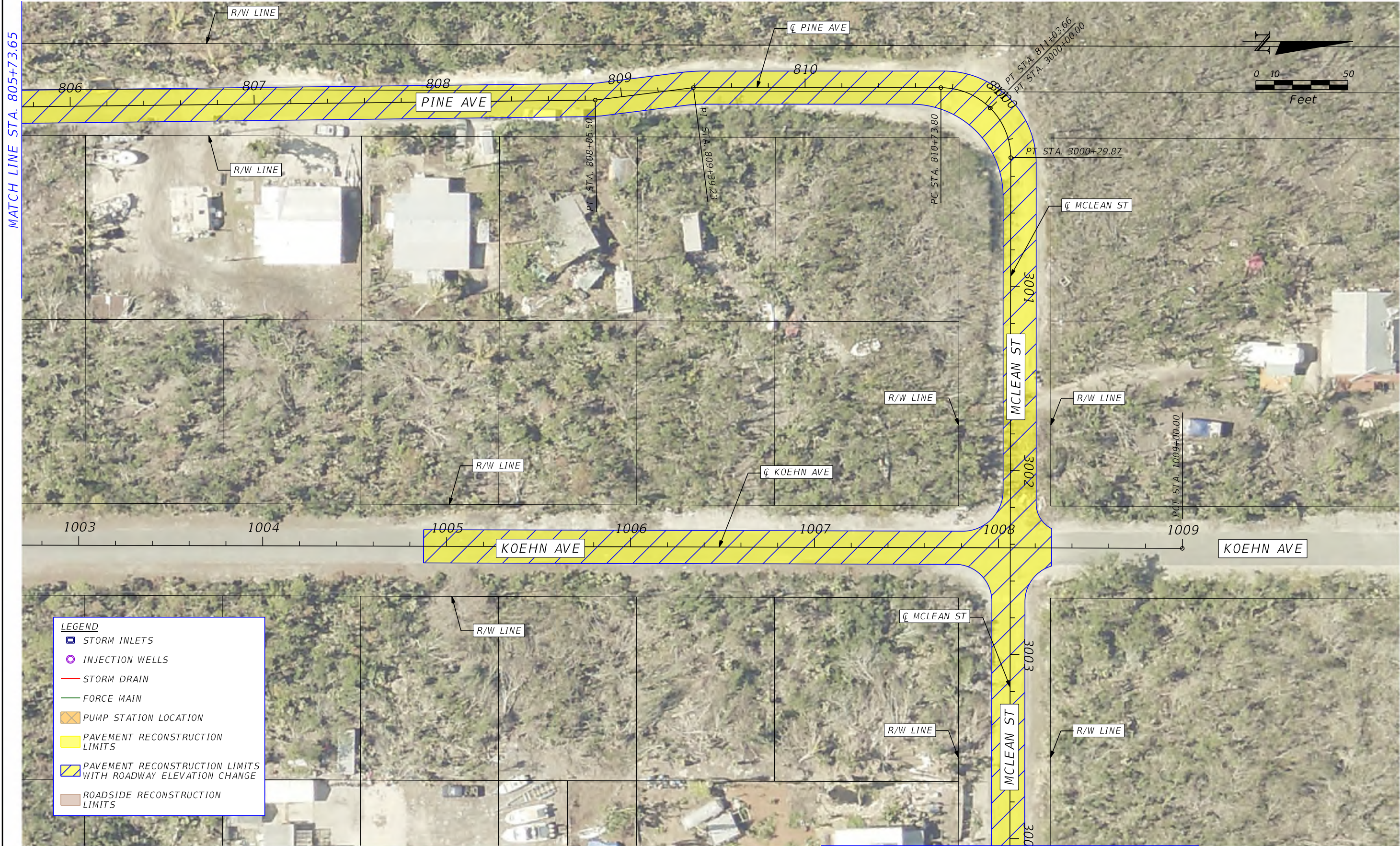
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DATE	DESCRIPTION	DATE	DESCRIPTION			BIG PINE KEY - BIG PINE SHORES / KOEHNS	11	
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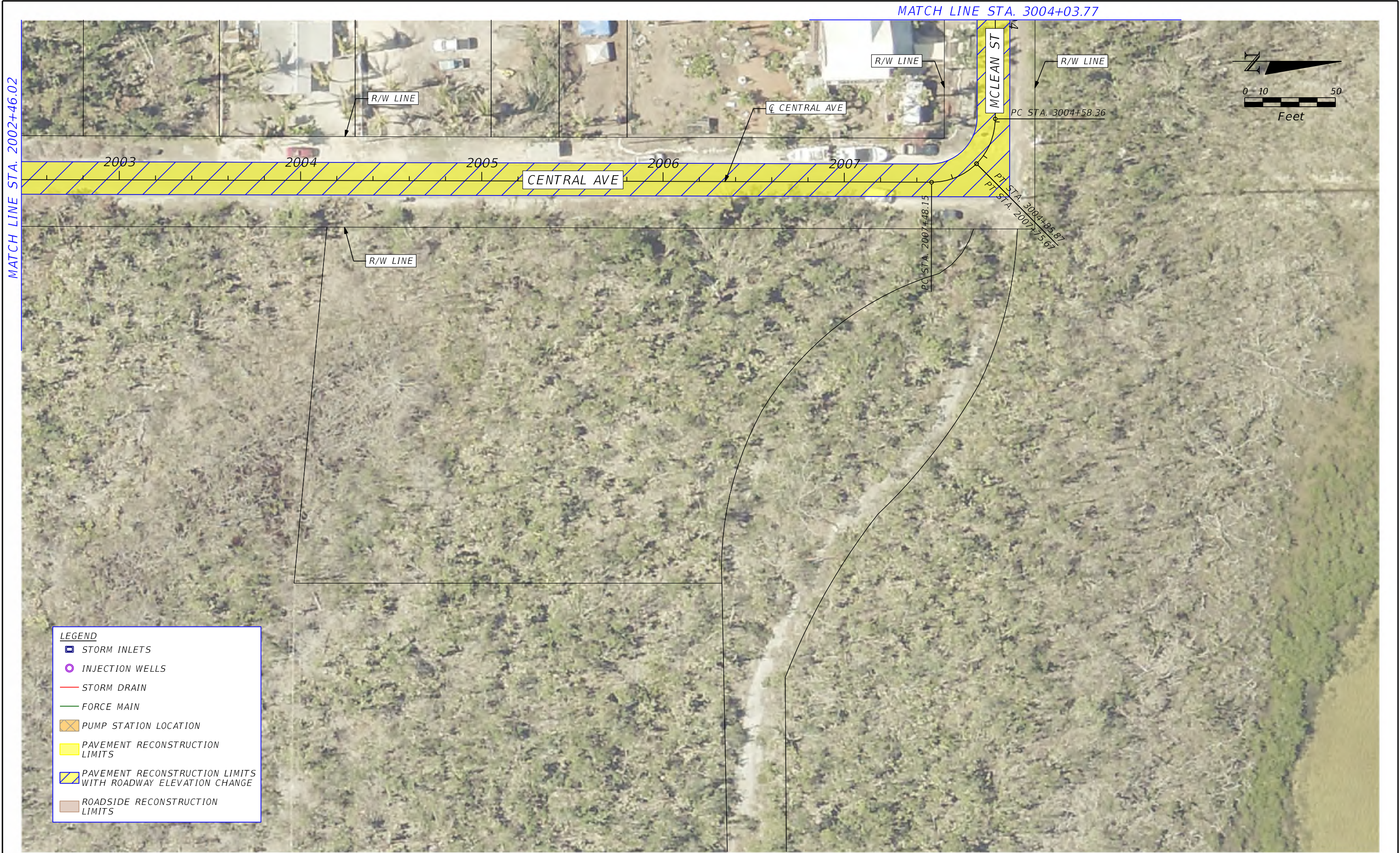
MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

BIG PINE KEY - BIG PINE SHORES / KOEHNS

SHEET
NO.

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DATE	DESCRIPTION	DATE	DESCRIPTION			BIG PINE KEY - BIG PINE SHORES / KOEHNS		14
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