

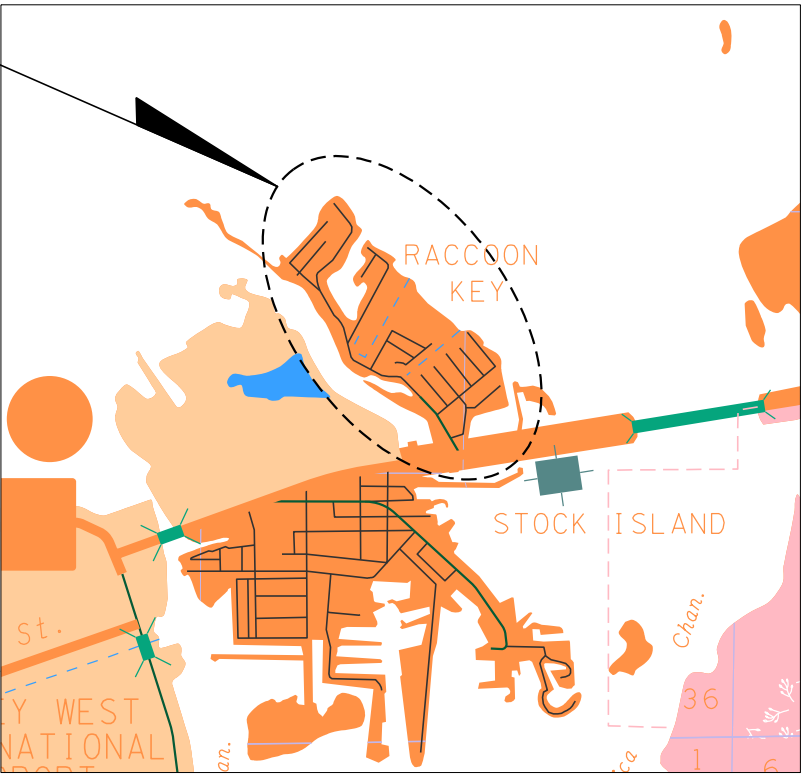
CONTRACT PLANS

MONROE COUNTY ROADWAY
VULNERABILITY ANALYSIS
AND CAPITAL PLAN

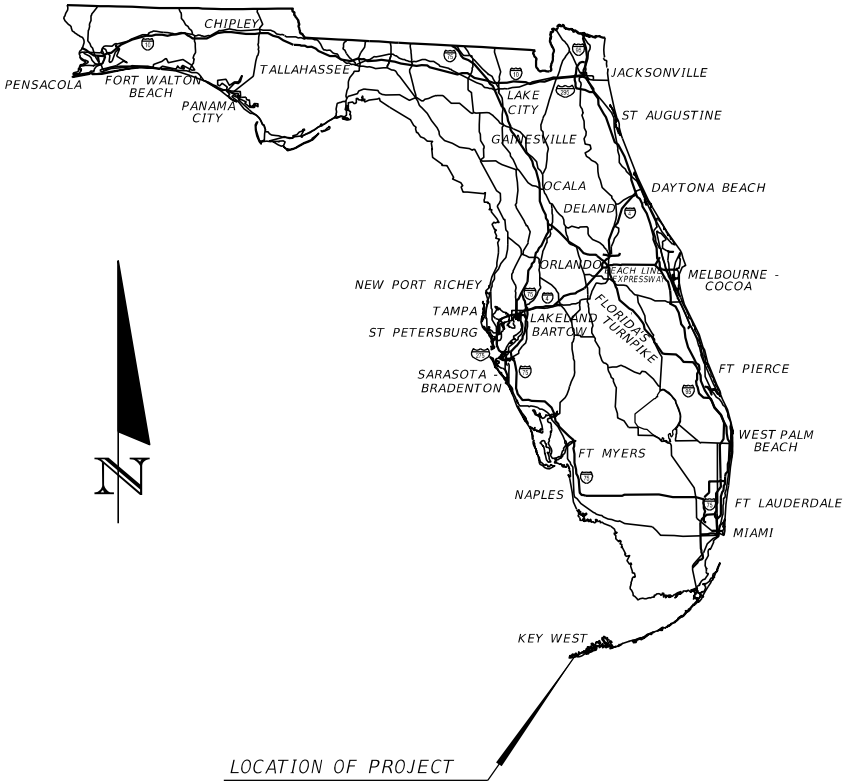
INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	PROJECT LAYOUT
3 - 3G	TYPICAL SECTION
4 - 27	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.



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
JULY 2021



Conceptual Plans not to be used for construction.

PROJECT LENGTH IS BASED ON Q OF CONSTRUCTION

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	21,594	4.090
BRIDGES	--	--
NET LENGTH OF PROJECT	21,594	4.090
EXCEPTIONS	--	--
GROSS LENGTH OF PROJECT	21,594	4.090

PROJECT AREA #57
KEY HAVEN / RACCOON KEY
SUBDIVISIONS:
KEY HAVEN / KEY HAVEN ESTATES / KEY HAVEN AMENDED /
KEY HAVEN 1ST - 5TH, 7TH - 10TH ADDITIONS /
KEY HAVEN 5TH ADDITION REPLAT

ROADWAY PLANS
ENGINEER OF RECORD:

P.E. NO:



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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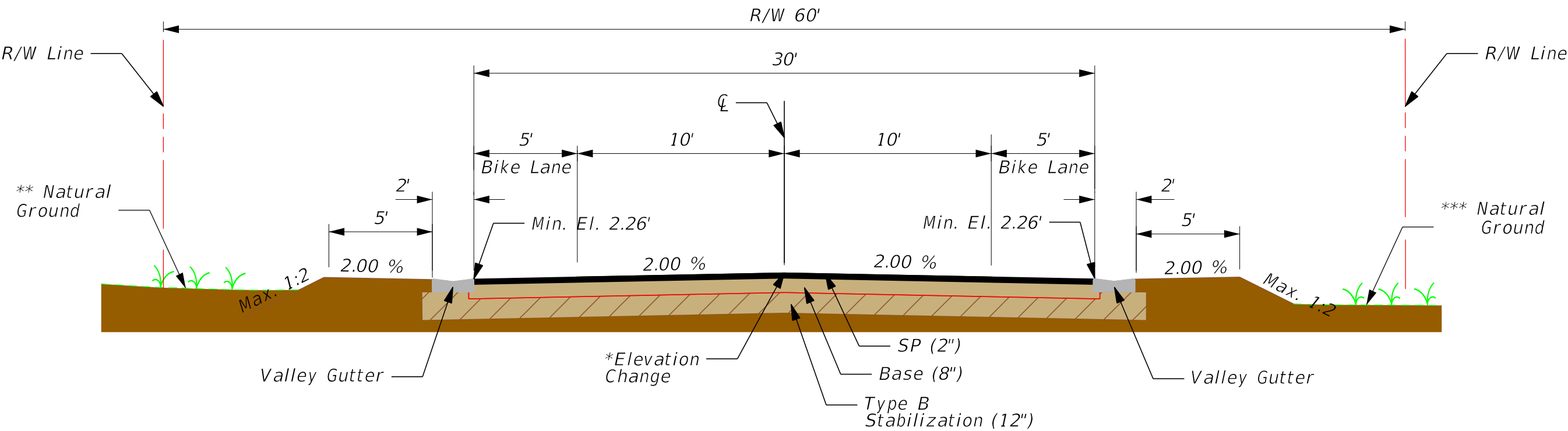
MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN
KEY HAVEN / RACCOON KEY
PROJECT LAYOUT

SHEET
NO.

2

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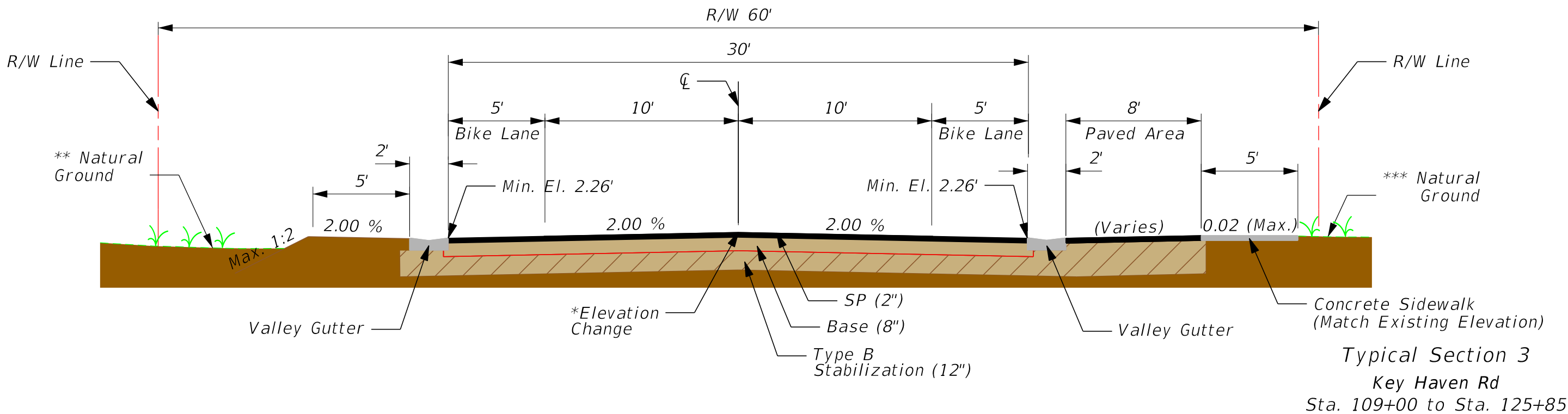
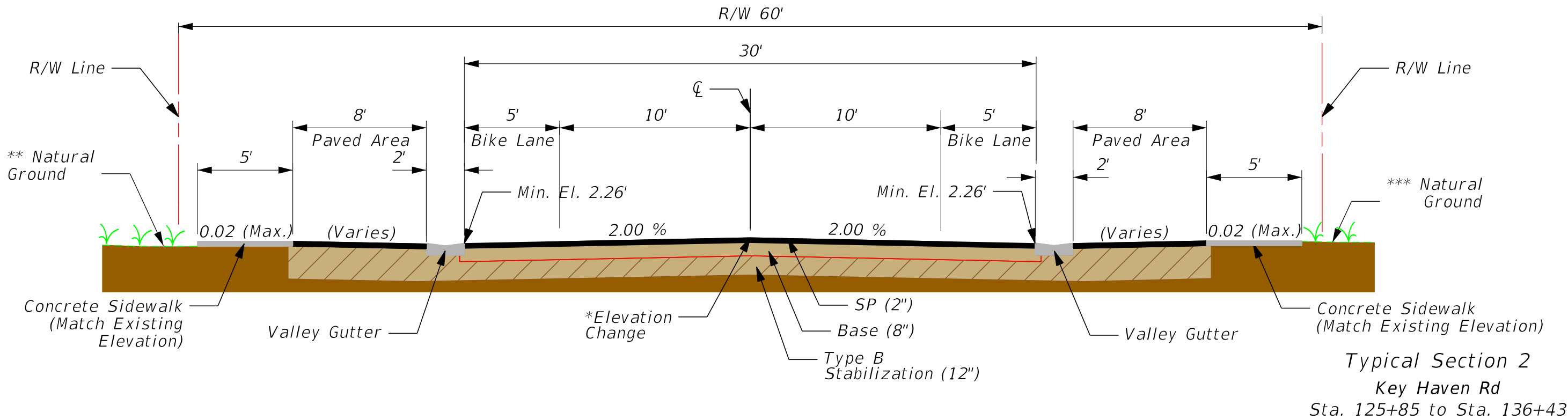
Valley Gutter Alternatives
Design for NOAA Intermediate-High
2045 SLR Projections



Typical Section 1

Key Haven Rd
Sta. 100+41 to Sta. 109+00
Sta. 146+20 to Sta. 155+67

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



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DATE	DESCRIPTION	DATE	DESCRIPTION			KEY HAVEN / RACCOON KEY TYPICAL SECTION		3A
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Valley Gutter Alternatives
Design for NOAA Intermediate-High
2045 SLR Projections

R/W 60'

30'

5' 10' 10' 5'

Bike Lane

Min. El. 2.26'

2.00 %

2.00 %

8'

2'

5'

0.02 (Max.)

** Natural Ground

*** Natural Ground

R/W Line

Valley Gutter

*Elevation Change

SP (2")

Base (8")

Type B Stabilization (12")

Concrete Sidewalk (Match Existing Elevation)

Max. 1:2

2.00 %

2'

5'

(Varies)

Typical Section 4

Key Haven Rd
Sta. 136+43 to Sta. 146+20

Key Haven Rd
Sta. 136+43 to Sta. 146+20

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DATE	DESCRIPTION	DATE	DESCRIPTION			KEY HAVEN / RACCOON KEY TYPICAL SECTION		3B
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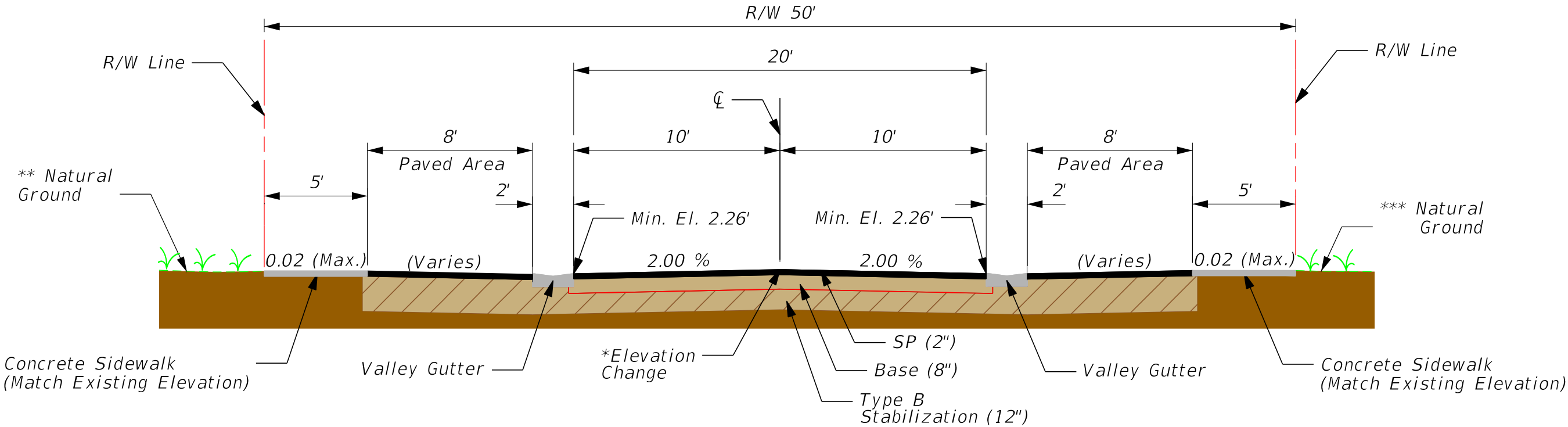
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Valley Gutter Alternatives
Design for NOAA Intermediate-High
2045 SLR Projections



Typical Section 5

Allamanda Ave
Sta. 200+00 to Sta. 216+48
Amaryllis Dr
Sta. 500+00 to Sta. 508+29
Arbutus Dr
Sta. 600+00 to Sta. 608+28

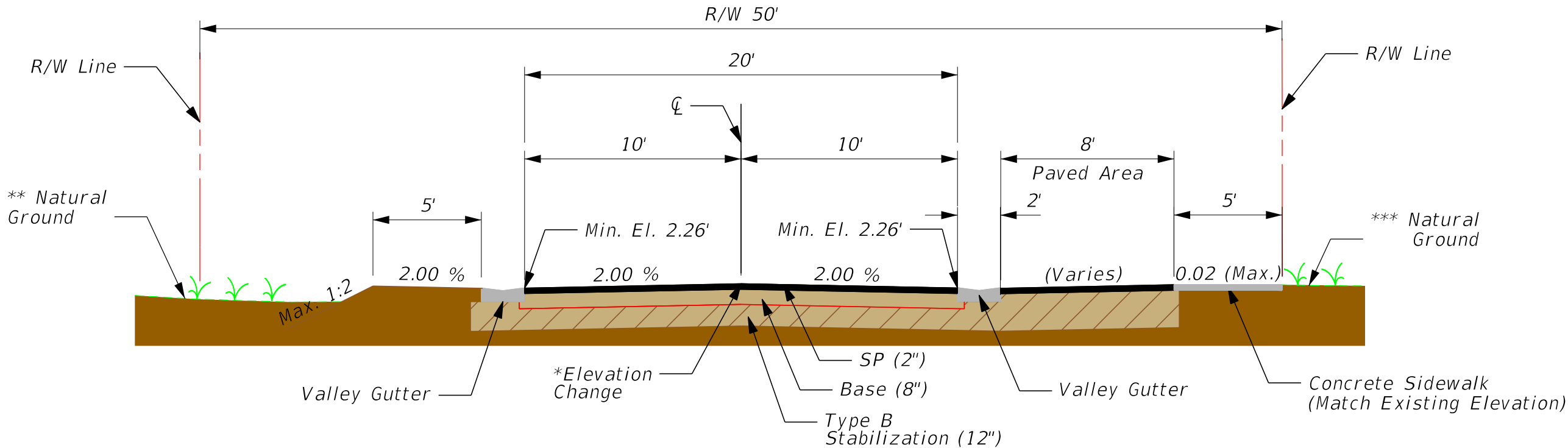
Azalea Dr
Sta. 700+00 to Sta. 708+28
Aster Terr
Sta. 800+00 to Sta. 808+26
Key Haven Terr
Sta. 400+00 to Sta. 408+76

Bougainvillea Ave
Sta. 902+17 to Sta. 907+12
Bamboo Terr
Sta. 1100+00 to Sta. 1102+63
Cactus Dr
Sta. 1803+50 to Sta. 1805+75

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DATE	DESCRIPTION	DATE	DESCRIPTION				

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



Typical Section 6

Key Haven Blvd
Sta. 300+00 to Sta. 302+53

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DATE	DESCRIPTION	DATE	DESCRIPTION			KEY HAVEN / RACCOON KEY TYPICAL SECTION	3D

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Conceptual Plans not to be used for construction.



Bougainvillea Ave
Sta. 900+00 to Sta. 902+17
Sta. 907+12 to Sta. 910+33

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DATE	DESCRIPTION	DATE	DESCRIPTION			ANALYSIS AND CAPITAL PLAN		
						KEY HAVEN / RACCOON KEY TYPICAL SECTION		3E

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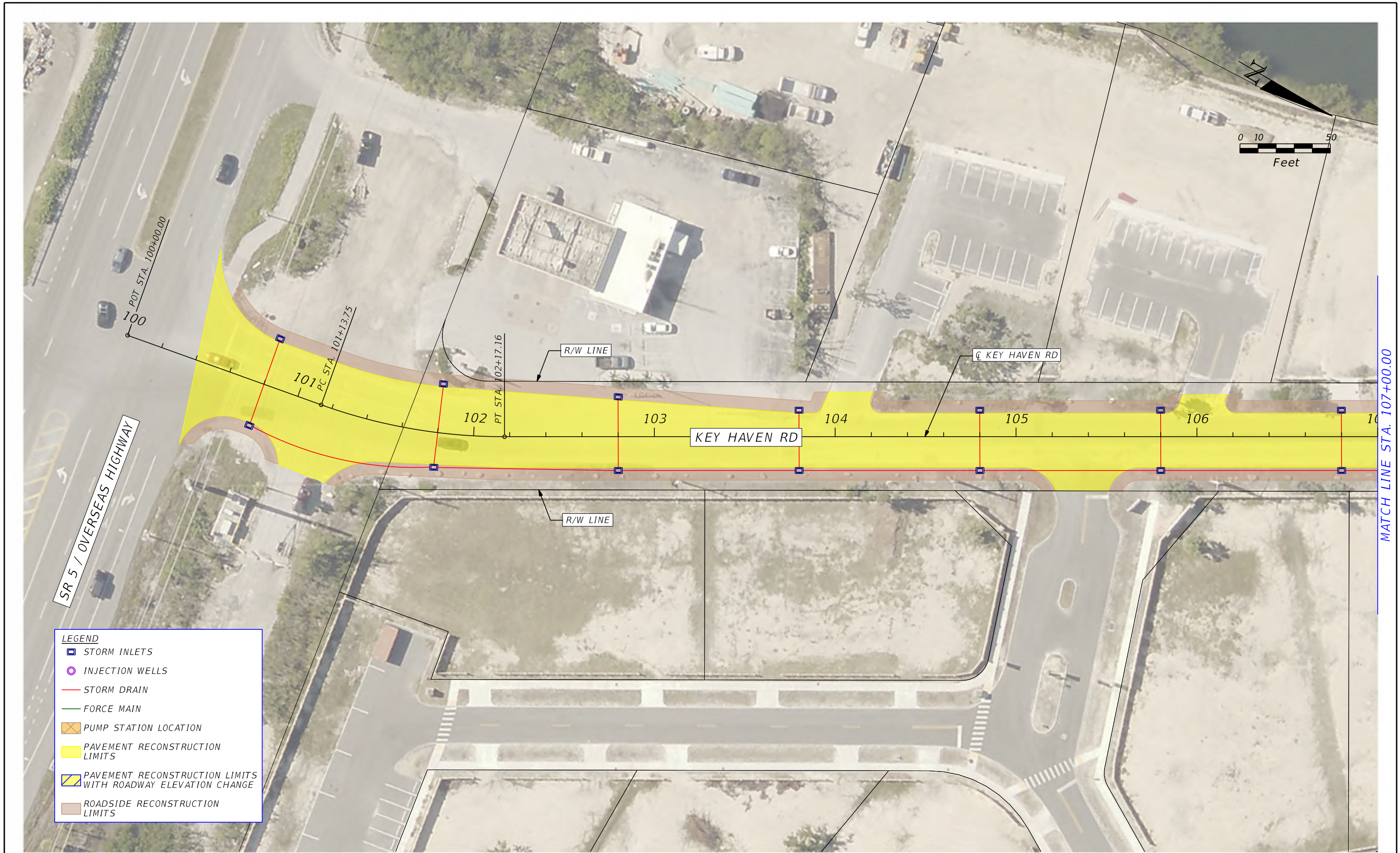
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<i>MONROE COUNTY ROADWAY VULNERABILITY ANALYSIS AND CAPITAL PLAN</i>
<i>KEY HAVEN / RACCOON KEY TYPICAL SECTION</i>

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

KEY HAVEN - RACCOON KEY ELEVATIONS SUMMARY			
ROADWAY SEGMENT	ELEVATION CHANGE * (Between exist. ground and final grade)	LEFT NATURAL GROUND (FT. NAVD88) **	RIGHT NATURAL GROUND (FT. NAVD88) ***
KEY HAVEN RD	0' - 0.24'	-0.26' - 6.57'	0.64' - 5.74'
ALLAMANDA AVE	0' - 0.26'	2.02' - 3.71'	1.89' - 3.60'
AMARYLLIS DR	0'	3.20' - 4.55'	3.23' - 4.63'
ARBUTUS DR	0' - 0.37'	2.23' - 3.28'	2.30' - 2.93'
AZALEA DR	0' - 0.14'	2.25' - 3.09'	2.18' - 2.88'
ASTER TERR	0' - 0.54'	1.98' - 3.10'	2.34' - 3.15'
KEY HAVEN TERR	0' - 0.23'	2.10' - 3.08'	2.05' - 3.03'
BOUNGAINVILLEA AVE	0' - 0.37'	1.64' - 3.70'	2.25' - 3.89'
BAMBOO TERR	0'	1.56' - 4.94'	2.21' - 3.79'
BEECHWOOD DR	0'	2.45' - 4.89'	2.73' - 3.92'
CYPRESS AVE	0' - 0.31'	1.87' - 4.24'	-0.47' - 3.60'
CYPRESS TERR	0'	2.74' - 4.15'	2.51' - 4.29'
W CYPRESS TERR	0'	2.88' - 6.88'	2.45' - 3.63'
DRIFTWOOD TERR	0'	2.34' - 3.32'	1.94' - 3.16'
DRIFTWOOD DR	0'	1.48' - 4.15'	2.44' - 5.62'
EVERGREEN AVE	0'	2.51' - 4.94'	2.46' - 4.42'
CACTUS DR	0'	2.67' - 4.64'	2.15' - 3.20'
COCONUT DR	0'	2.88' - 3.96'	2.83' - 4.03'
KEY HAVEN BLVD	0' - 0.22'	1.78' - 2.96'	1.91' - 2.46'



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MONROE COUNTY ROADWAY VULNERABILITY
ANALYSIS AND CAPITAL PLAN

KEY HAVEN / RACCOON KEY

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ANALYSIS AND CAPITAL PLAN

KEY HAVEN / RACCOON KEY

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LEGEND

- STORM INLETS
- MANHOLES/JUNCTIONS
- INJECTION WELLS
- STORM DRAIN
- FORCE MAIN
- PUMP STATION LOCATION
- PAVEMENT RECONSTRUCTION LIMITS
- PAVEMENT RECONSTRUCTION LIMITS WITH ROADWAY ELEVATION CHANGE
- ROADSIDE RECONSTRUCTION LIMITS
- CONCRETE SIDEWALK

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ANALYSIS AND CAPITAL PLAN

KEY HAVEN / RACCOON KEY

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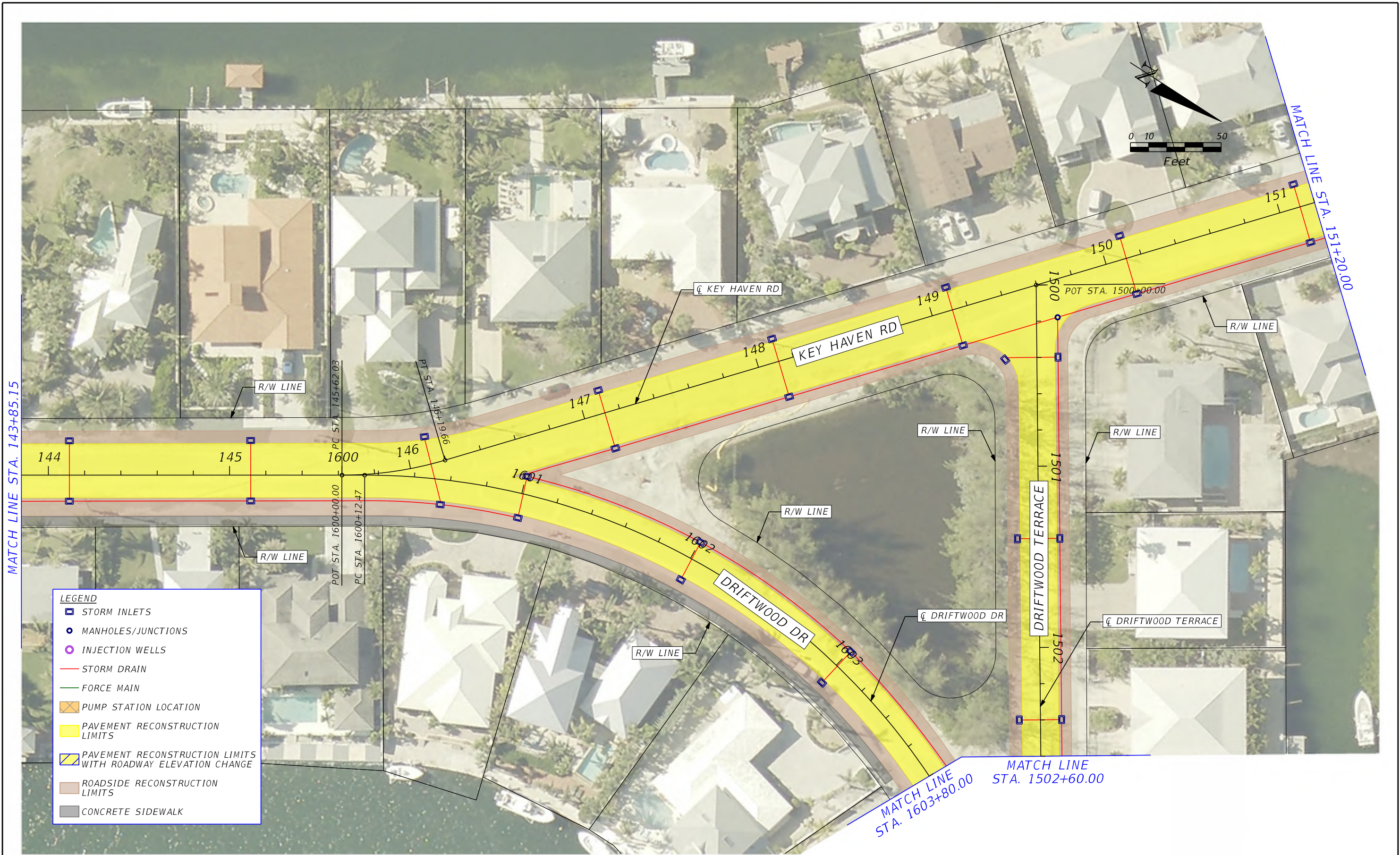


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<i>MONROE COUNTY ROADWAY VULNERABILITY ANALYSIS AND CAPITAL PLAN</i>		<i>SHEET NO.</i>
<i>KEY HAVEN / RACCOON KEY</i>		<i>9</i>

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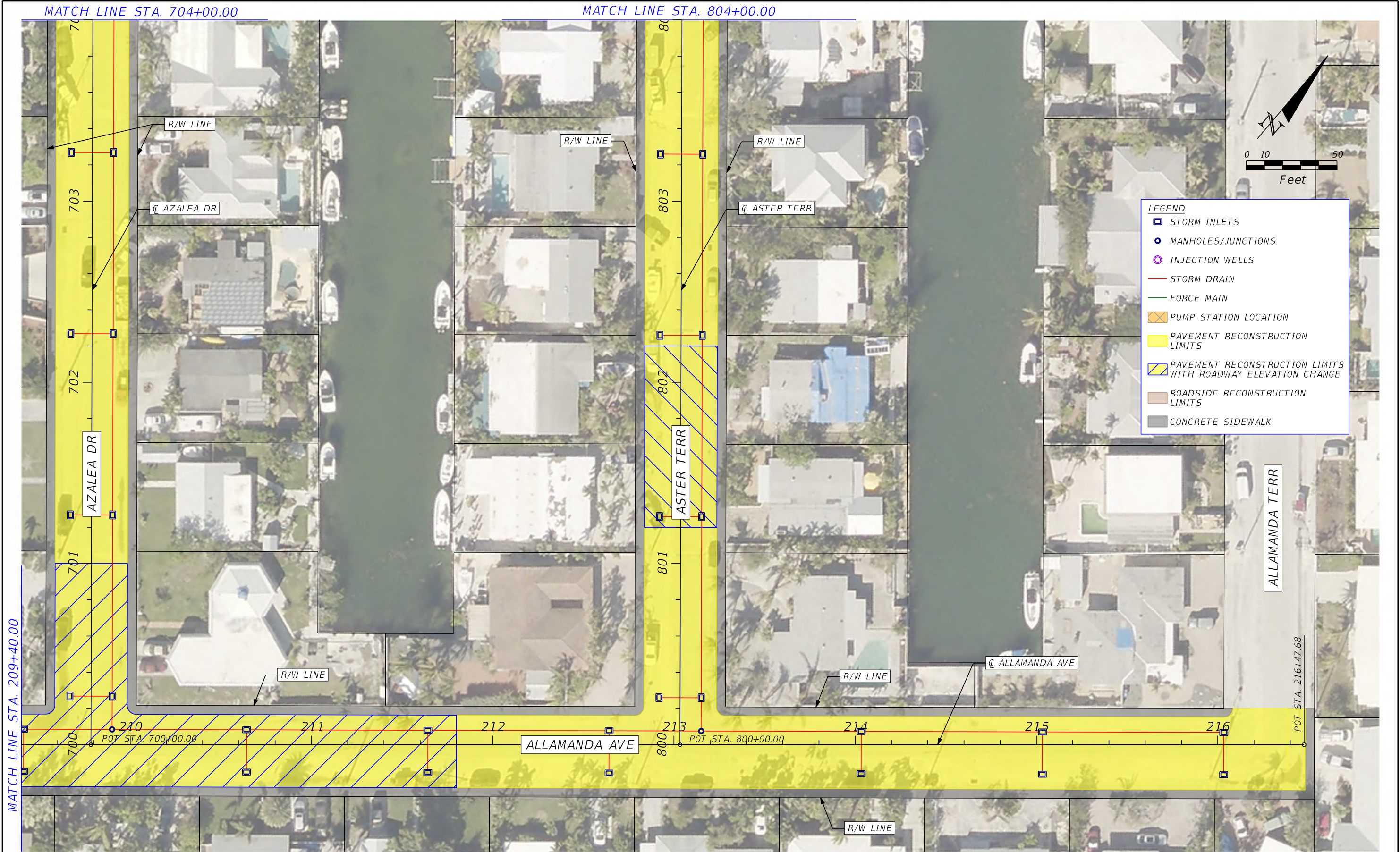
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MATCH LINE STA. 504+00.00

MATCH LINE STA. 604+00.00

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MATCH LINE STA. 804+00.00

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ANALYSIS AND CAPITAL PLAN

KEY HAVEN / RACCOON KEY

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LEGEND

- STORM INLETS
- INJECTION WELLS
- STORM DRAIN
- FORCE MAIN
- PUMP STATION LOCATION
- PAVEMENT RECONSTRUCTION LIMITS
- PAVEMENT RECONSTRUCTION LIMITS WITH ROADWAY ELEVATION CHANGE
- ROADSIDE RECONSTRUCTION LIMITS
- CONCRETE SIDEWALK

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ANALYSIS AND CAPITAL PLAN

KEY HAVEN / RACCOON KEY

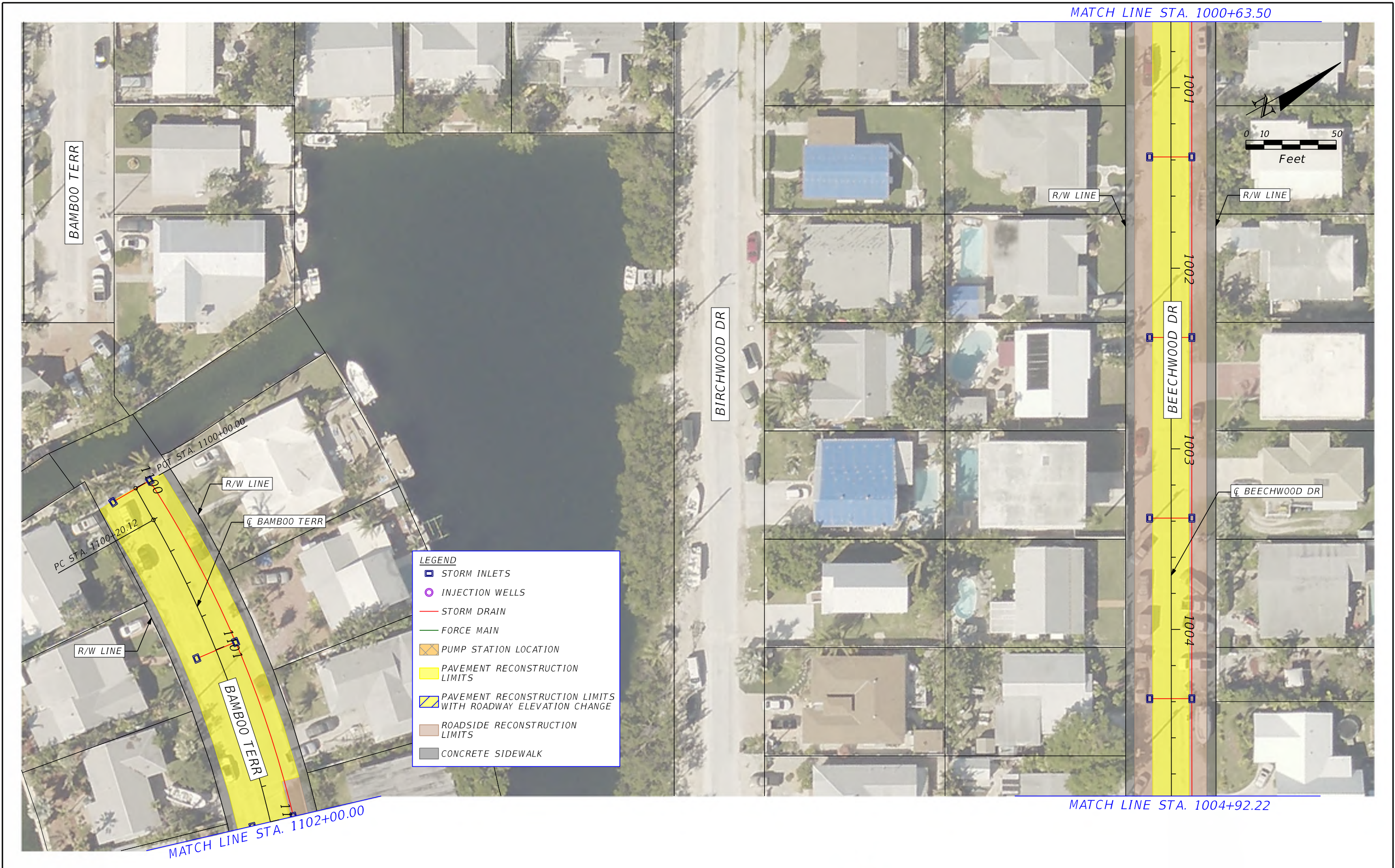
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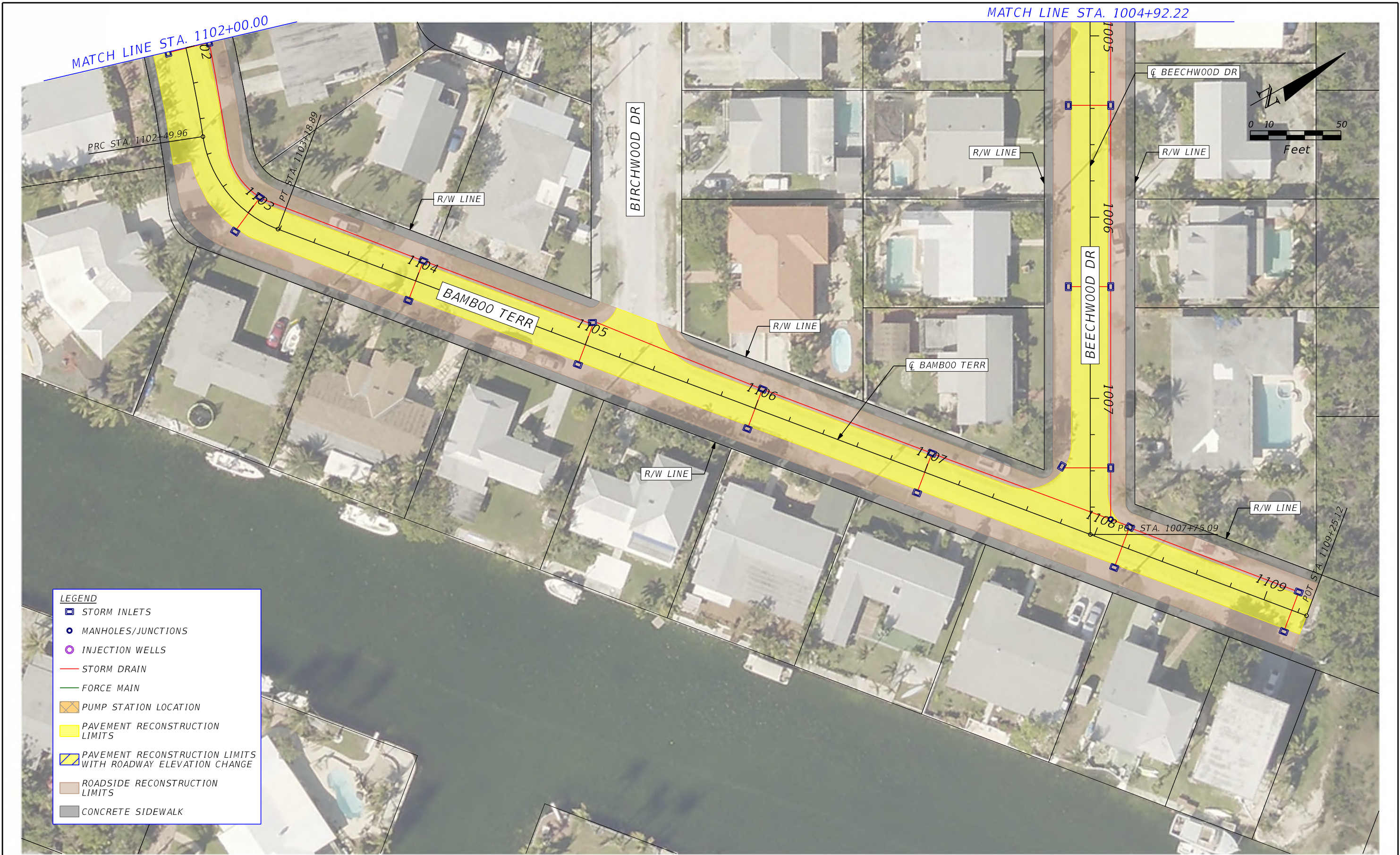
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LEGEND

- STORM INLETS
- MANHOLES/JUNCTIONS
- INJECTION WELLS
- STORM DRAIN
- FORCE MAIN
- PUMP STATION LOCATION
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MONROE COUNTY ROADWAY VULNERABILITY ANALYSIS AND CAPITAL PLAN
KEY HAVEN / RACCOON KEY

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