

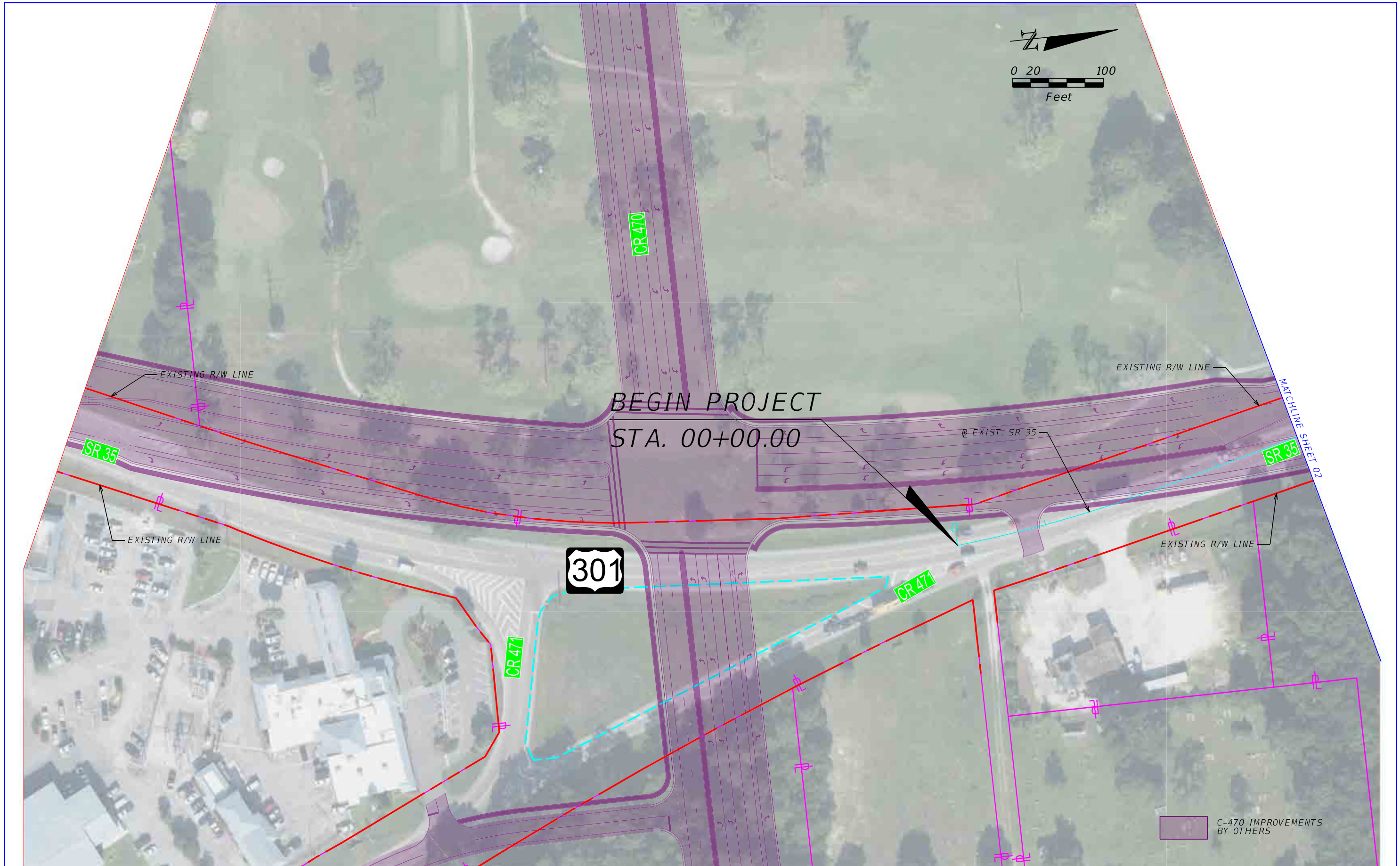


APPENDIX



A

Draft Alternatives 1 & 2
Concept Plans

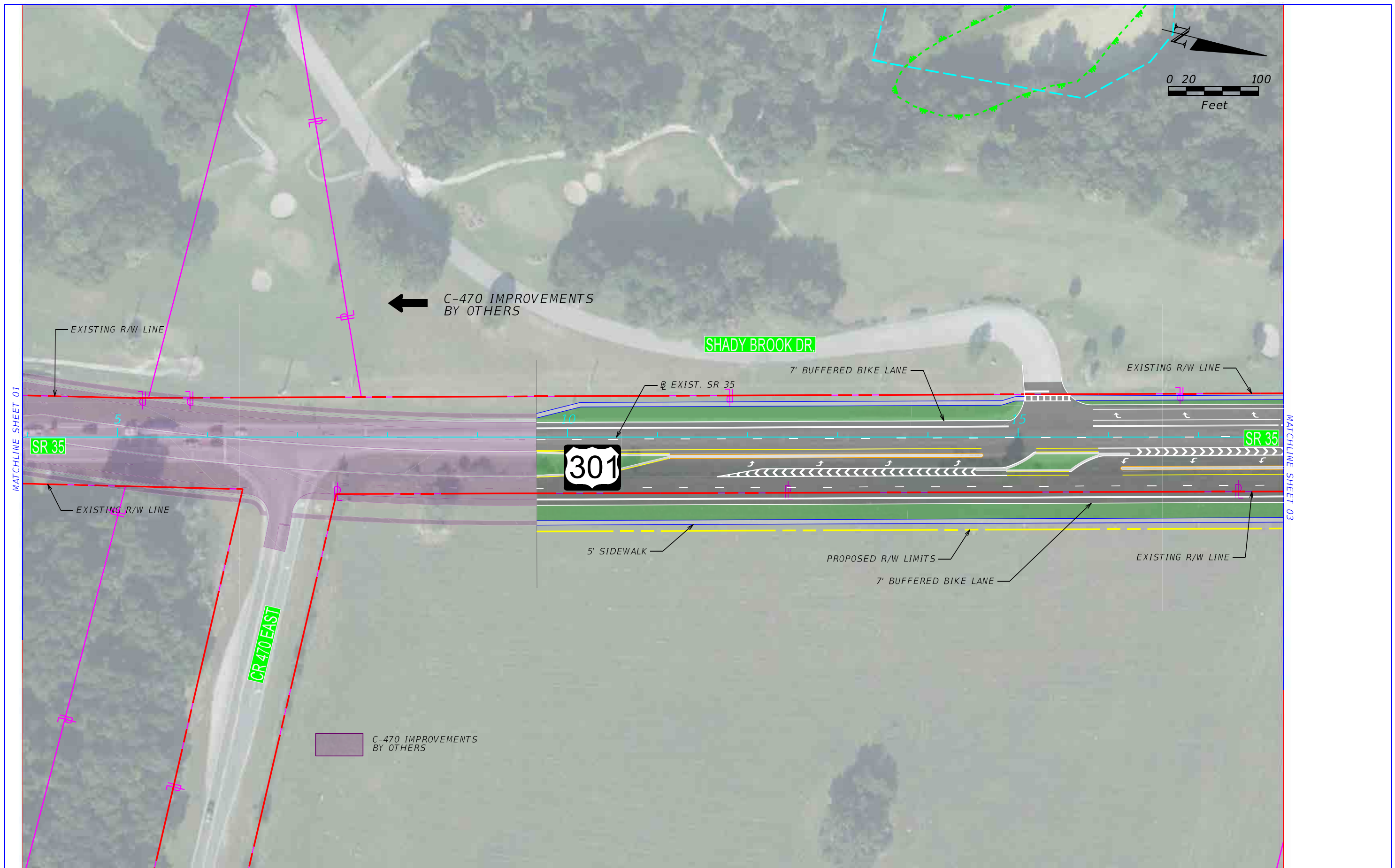


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DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

US 301 PD&E STUDY
ALTERNATIVES 1 & 2

SHEET NO.
01



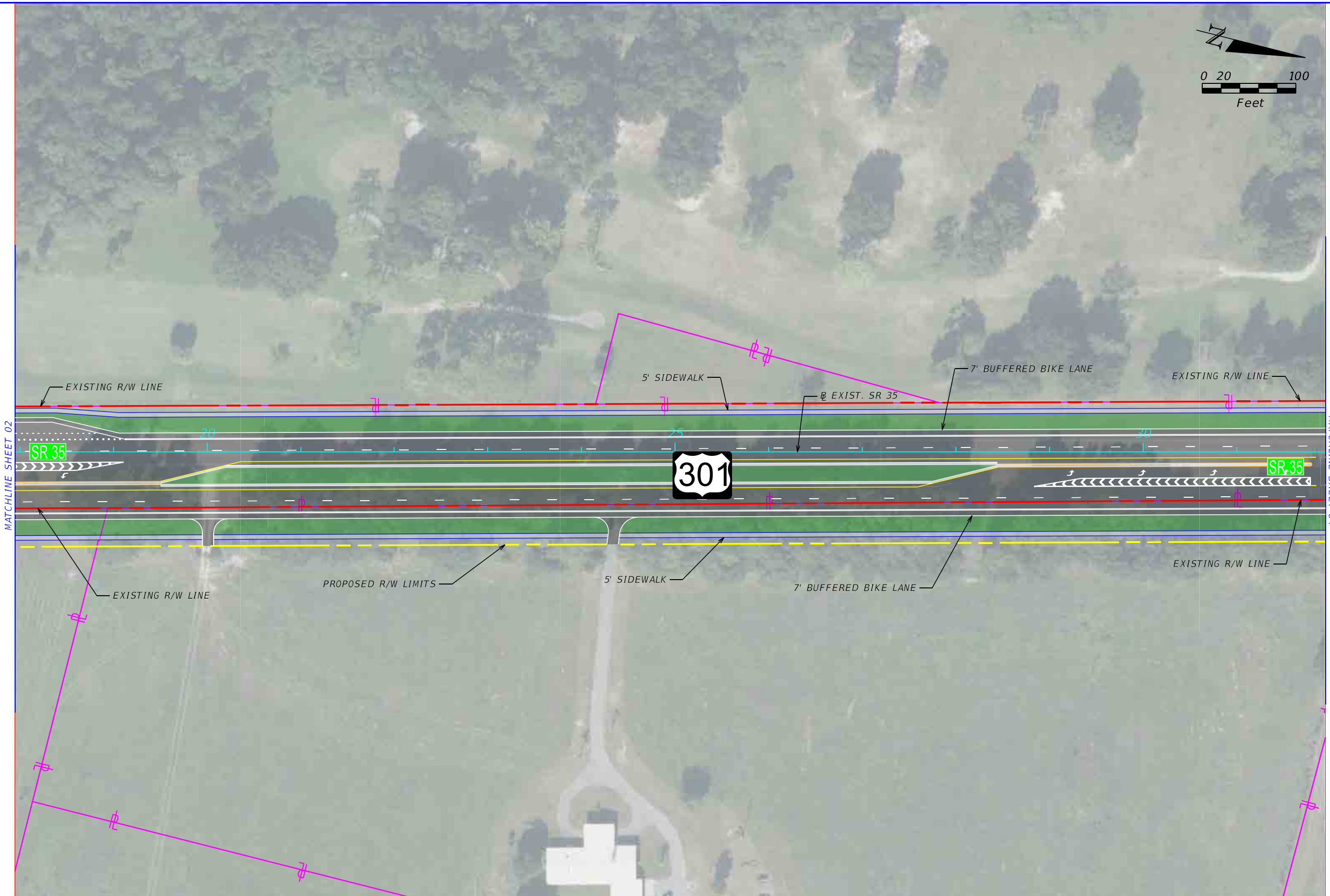
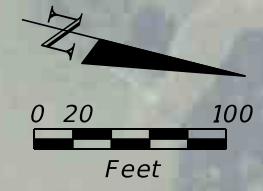
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

**US 301 PD&E STUDY
ALTERNATIVES 1 & 2**

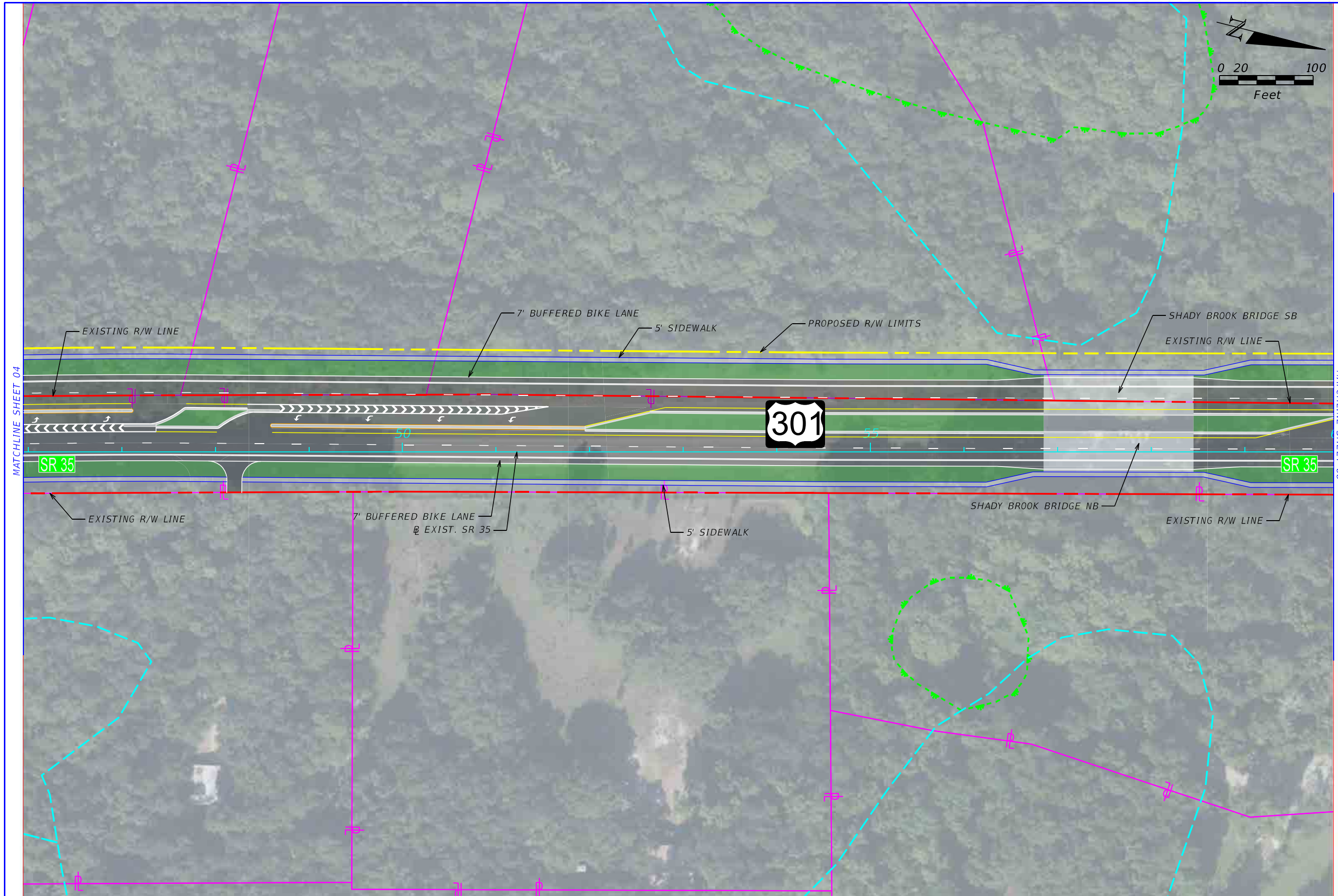
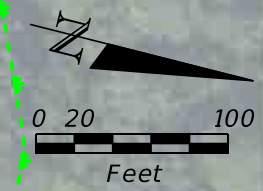
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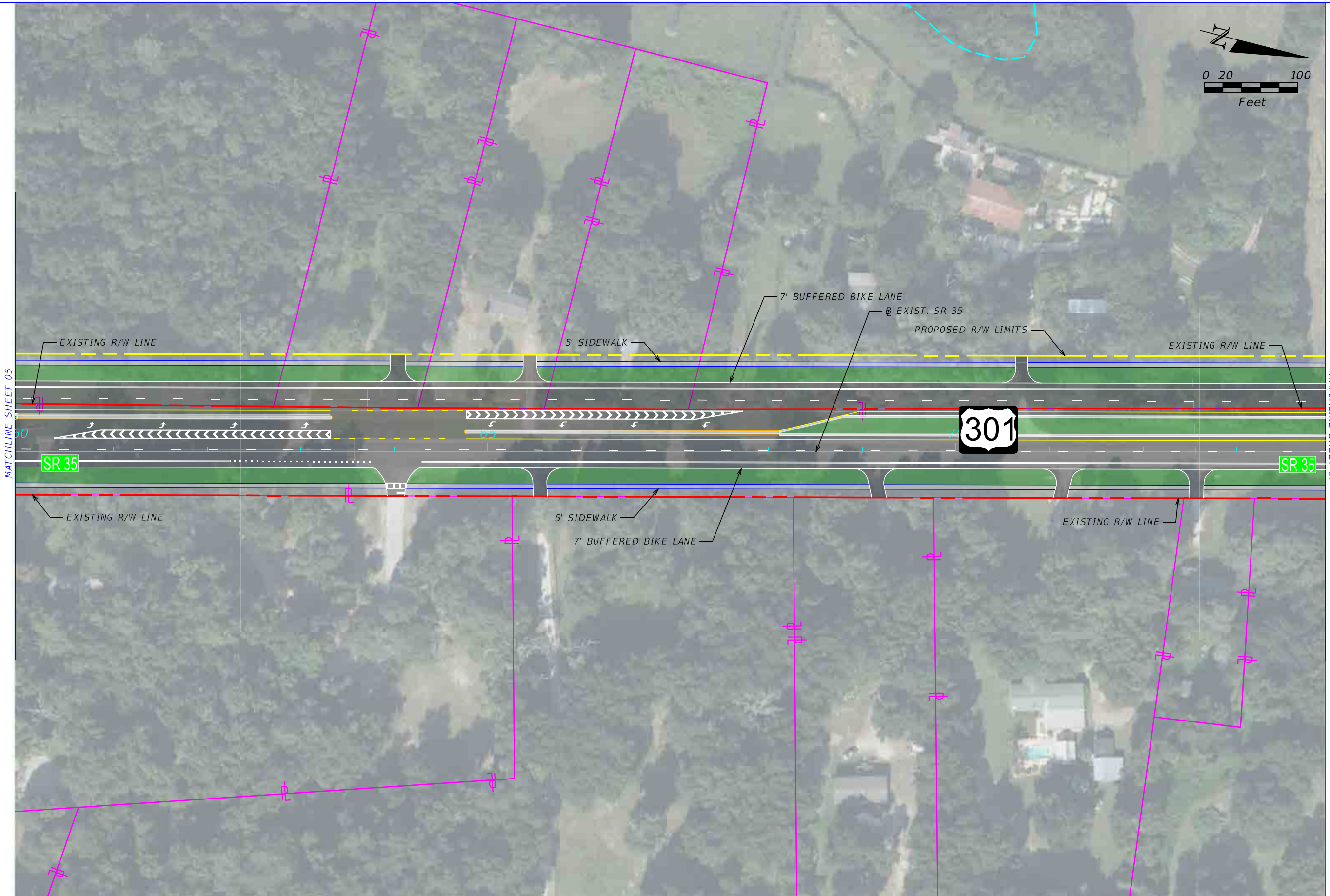
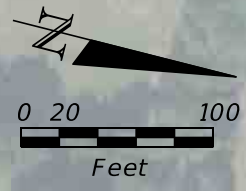
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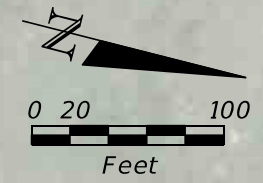
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REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVES 1 & 2	SHEET NO.
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REVISIONS			
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

**US 301 PD&E STUDY
ALTERNATIVES 1 & 2**

SHEET NO.
08



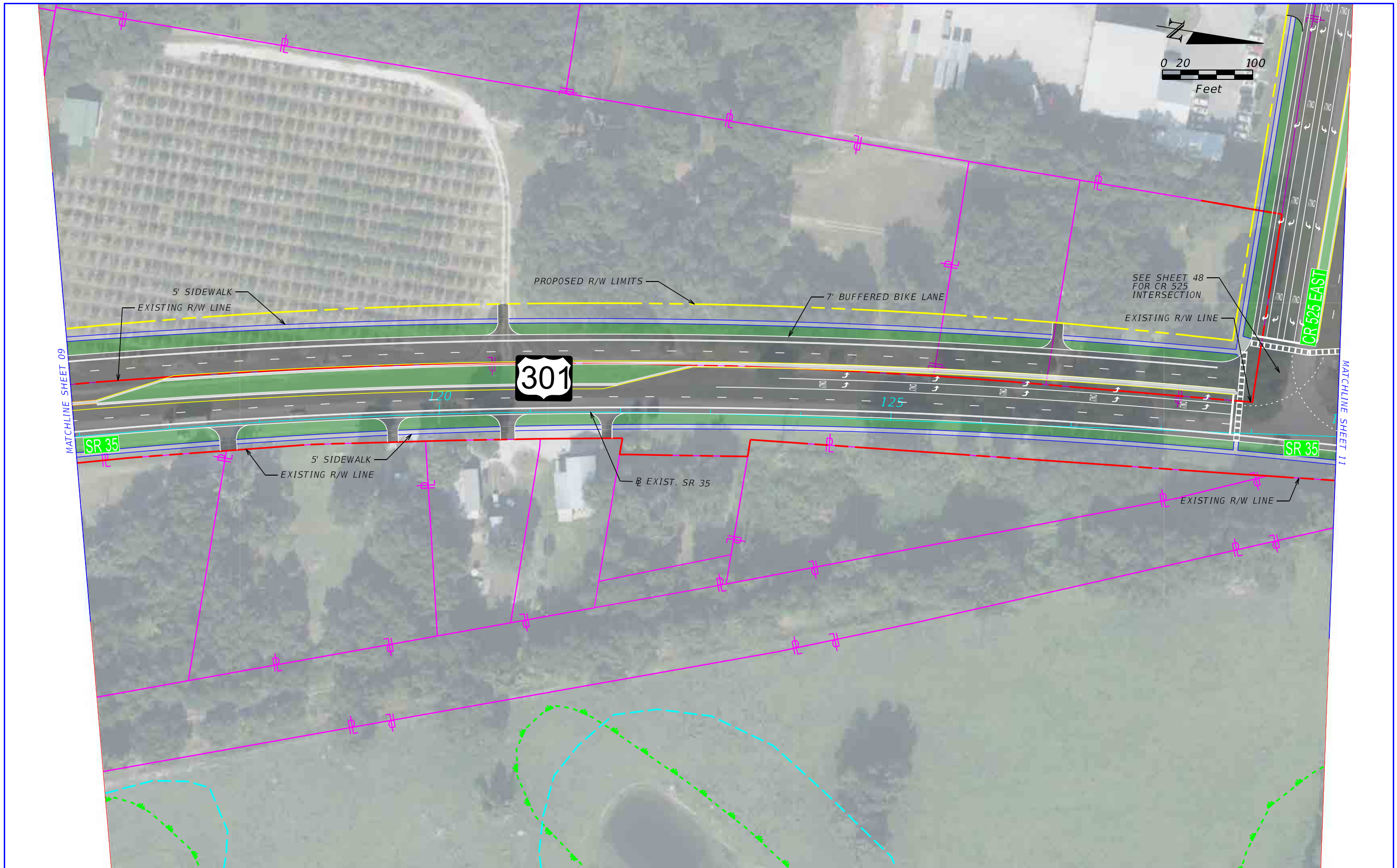
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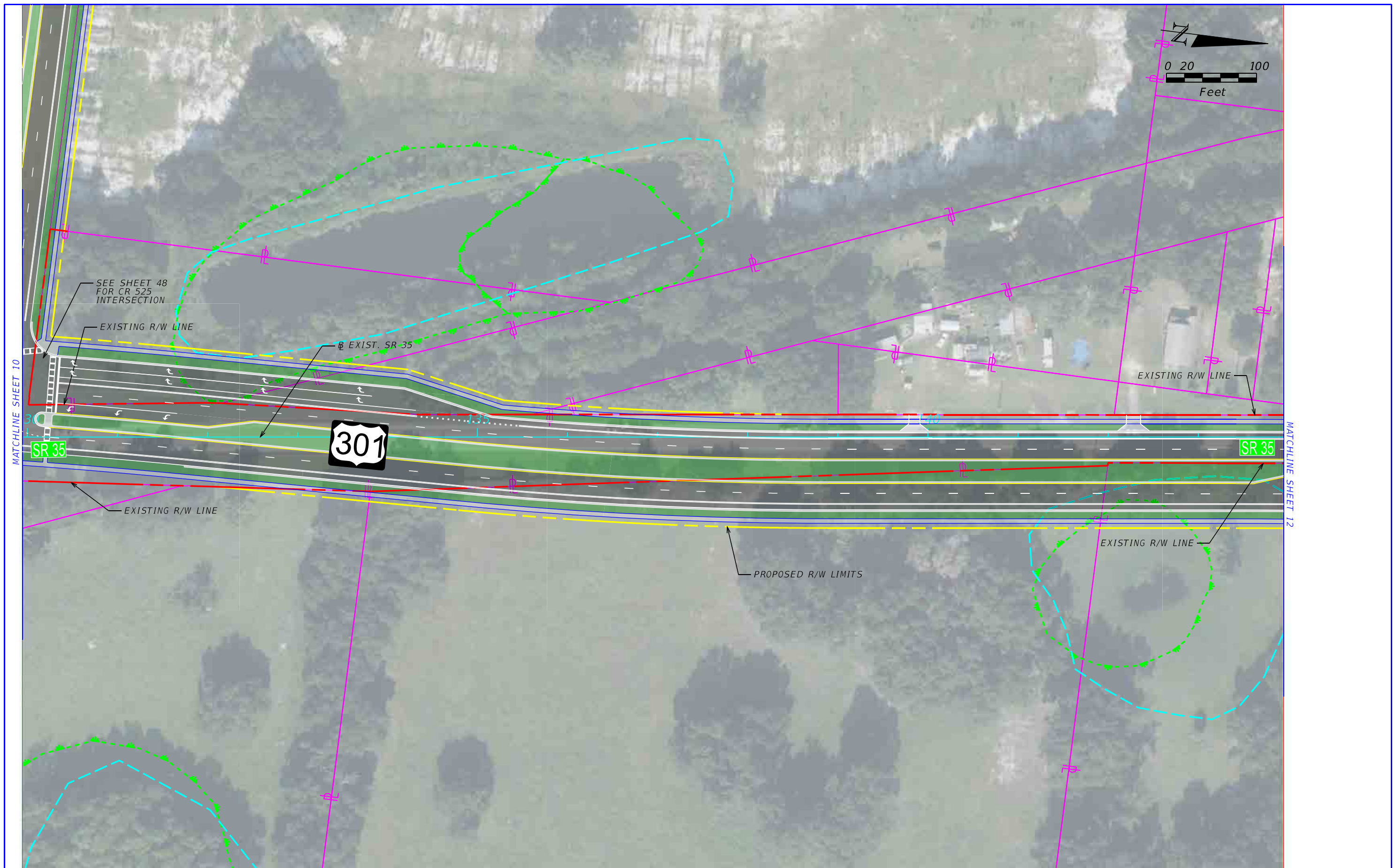
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

US 301 PD&E STUDY
ALTERNATIVES 1 & 2

SHEET NO.
09



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	US 301 PD&E STUDY ALTERNATIVE 1			SHEET NO.		
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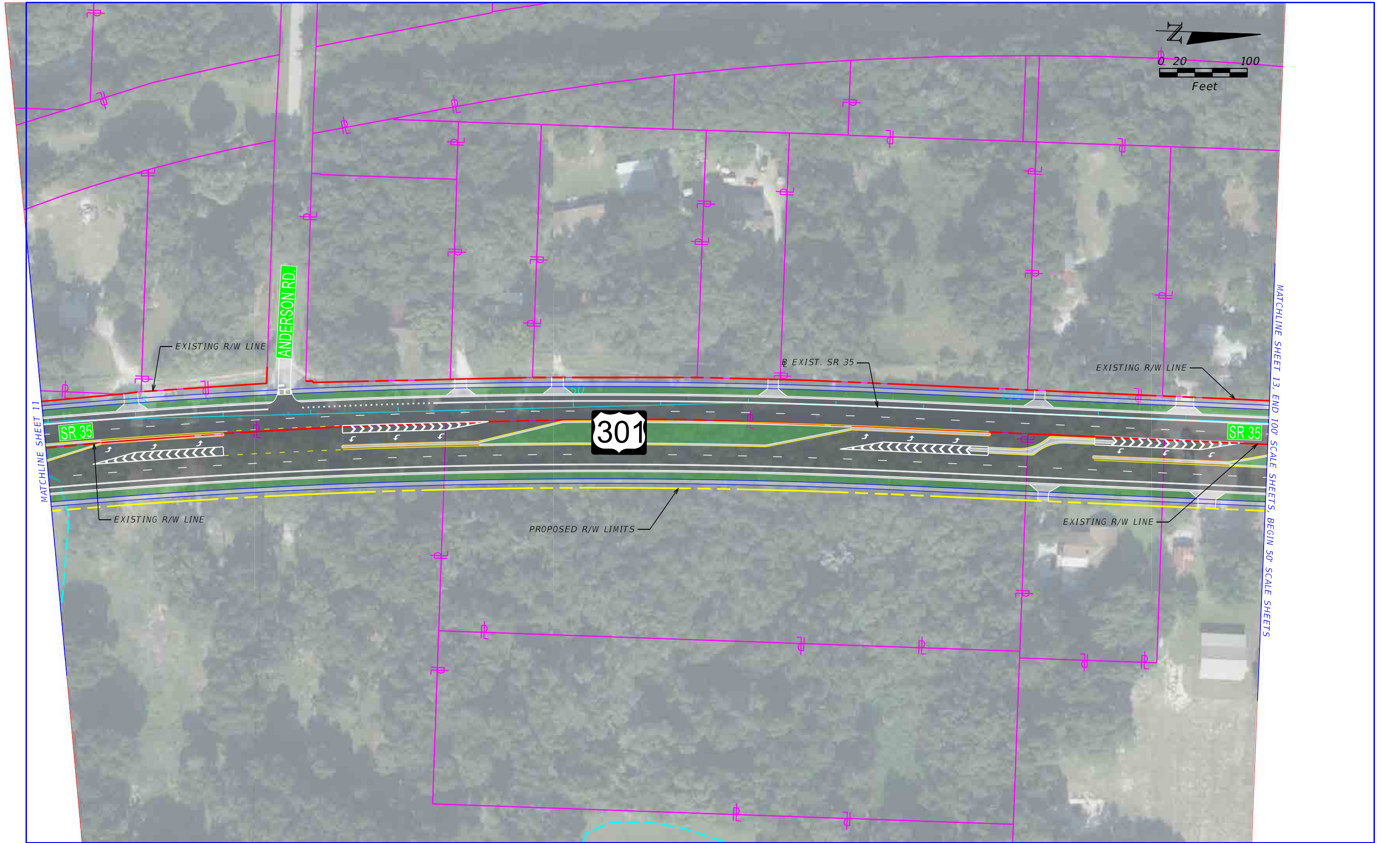
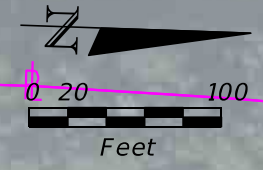
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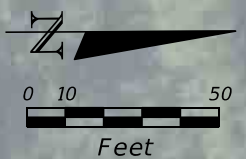
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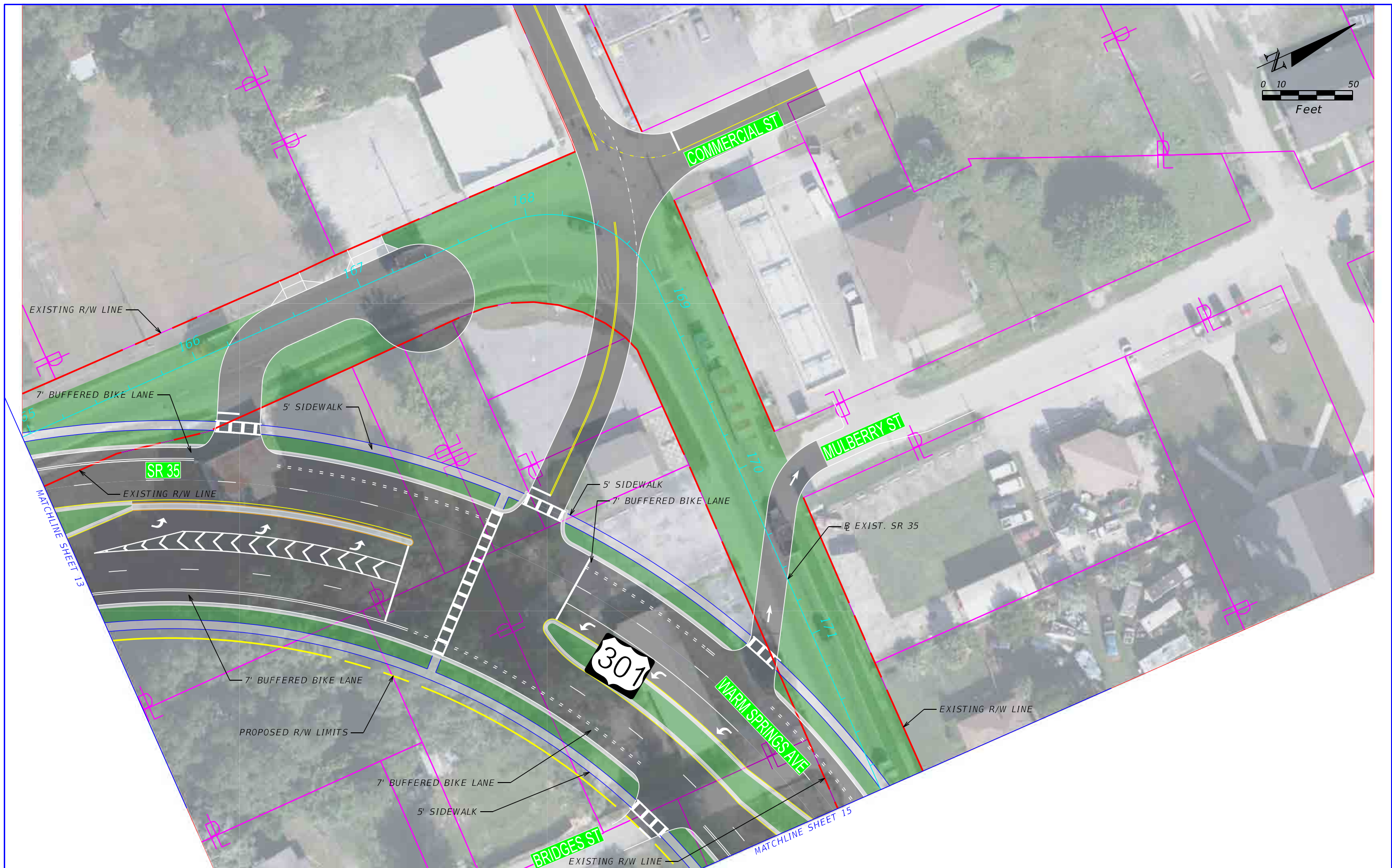
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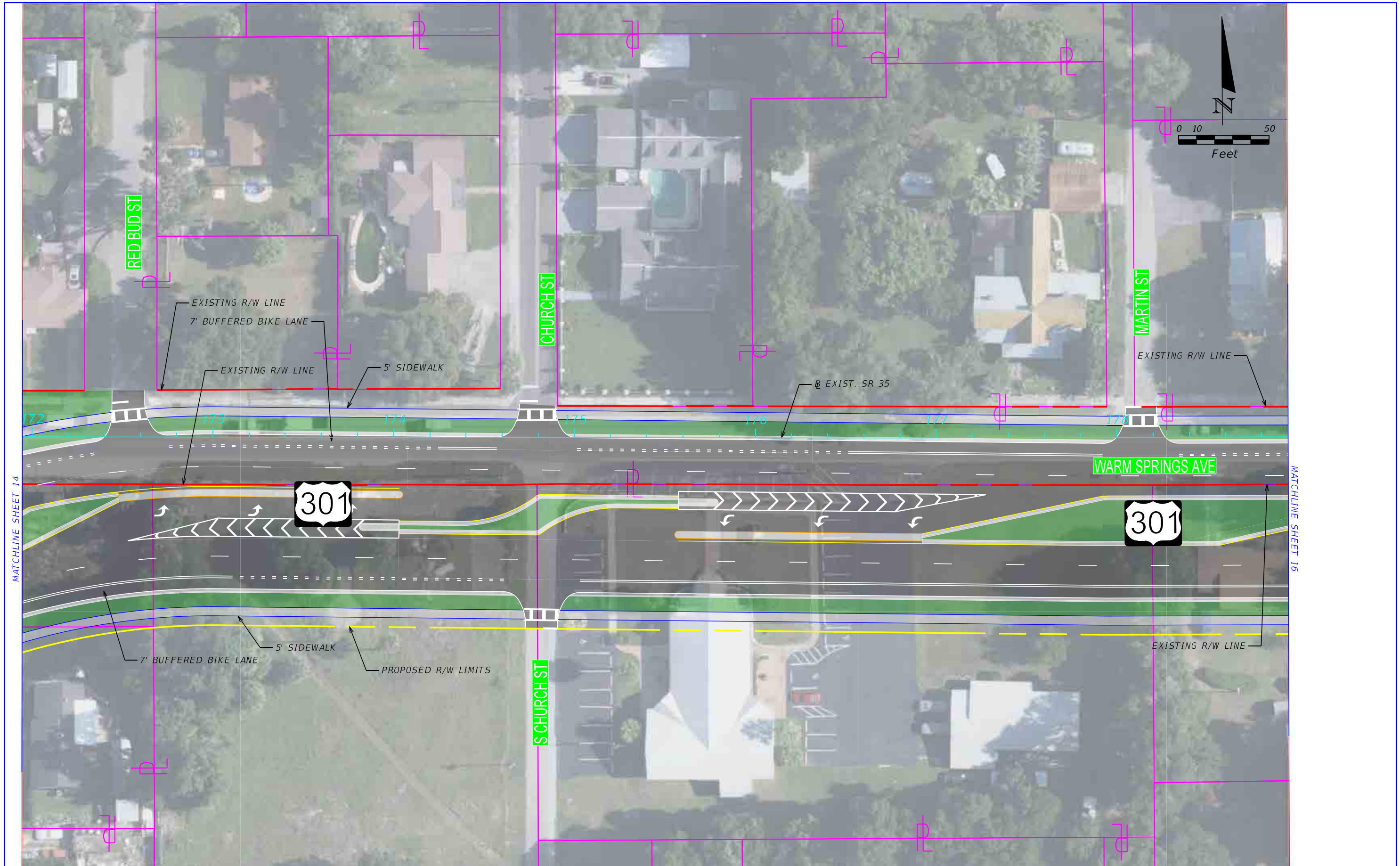
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MATCHLINE SHEET 14

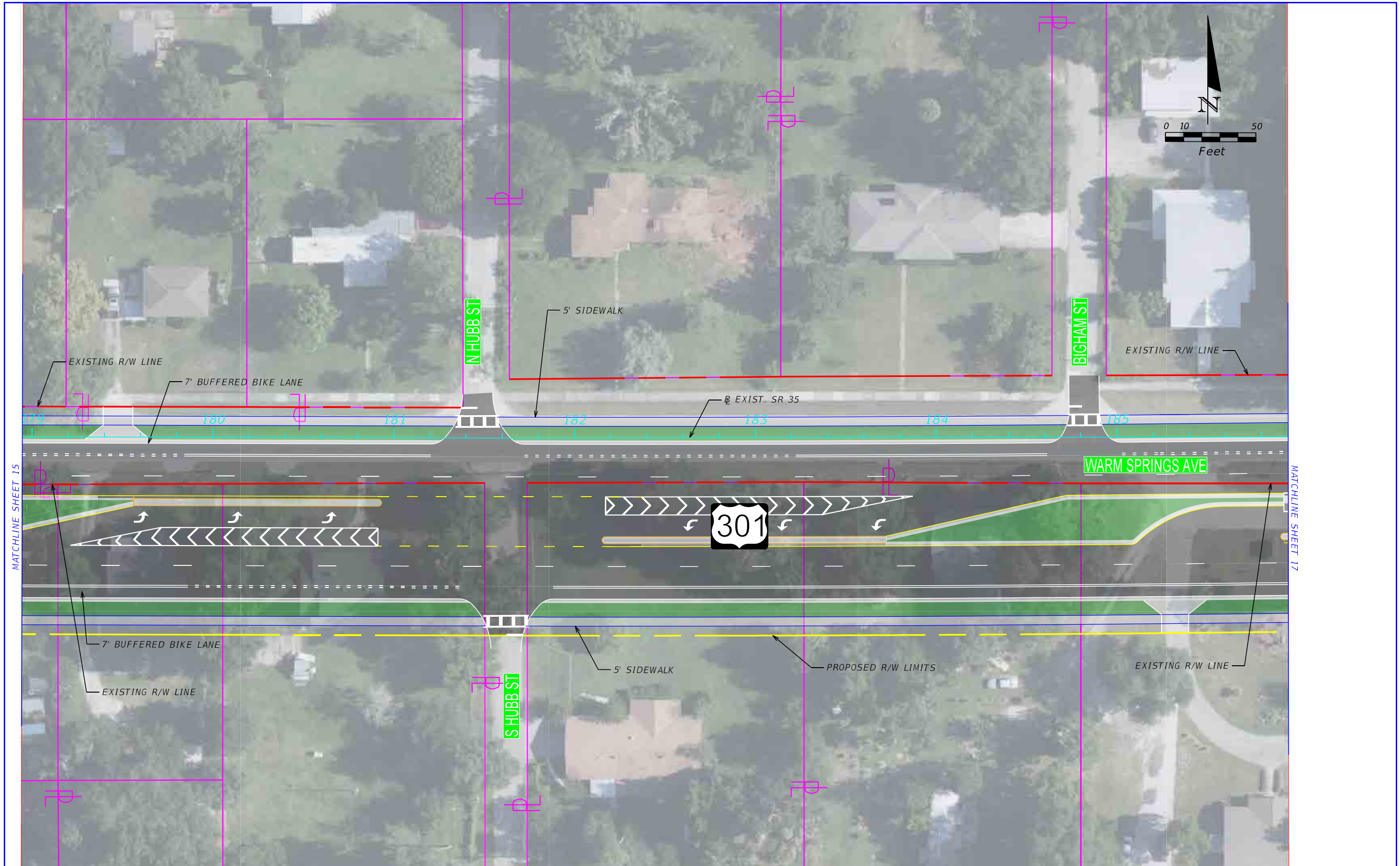
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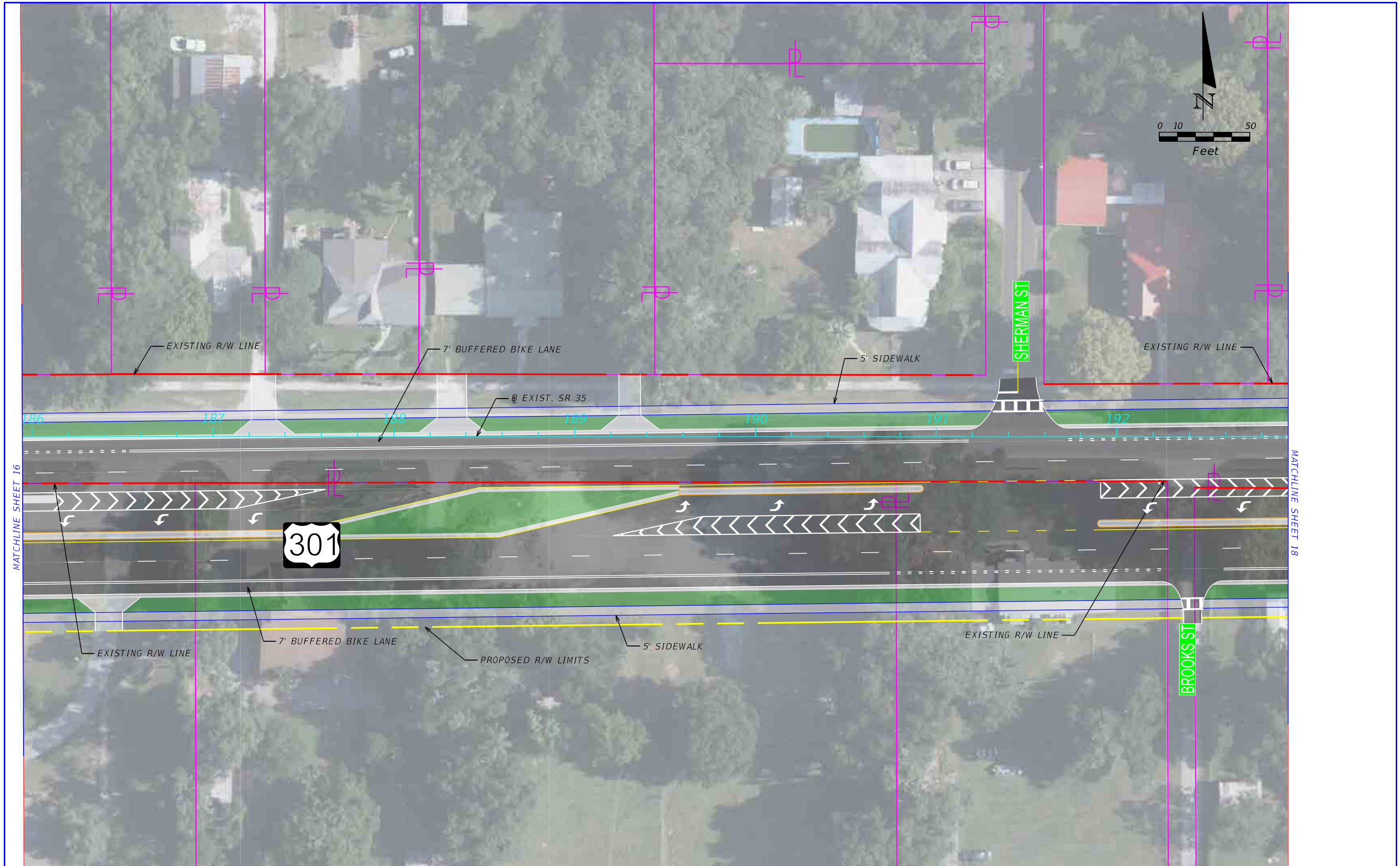
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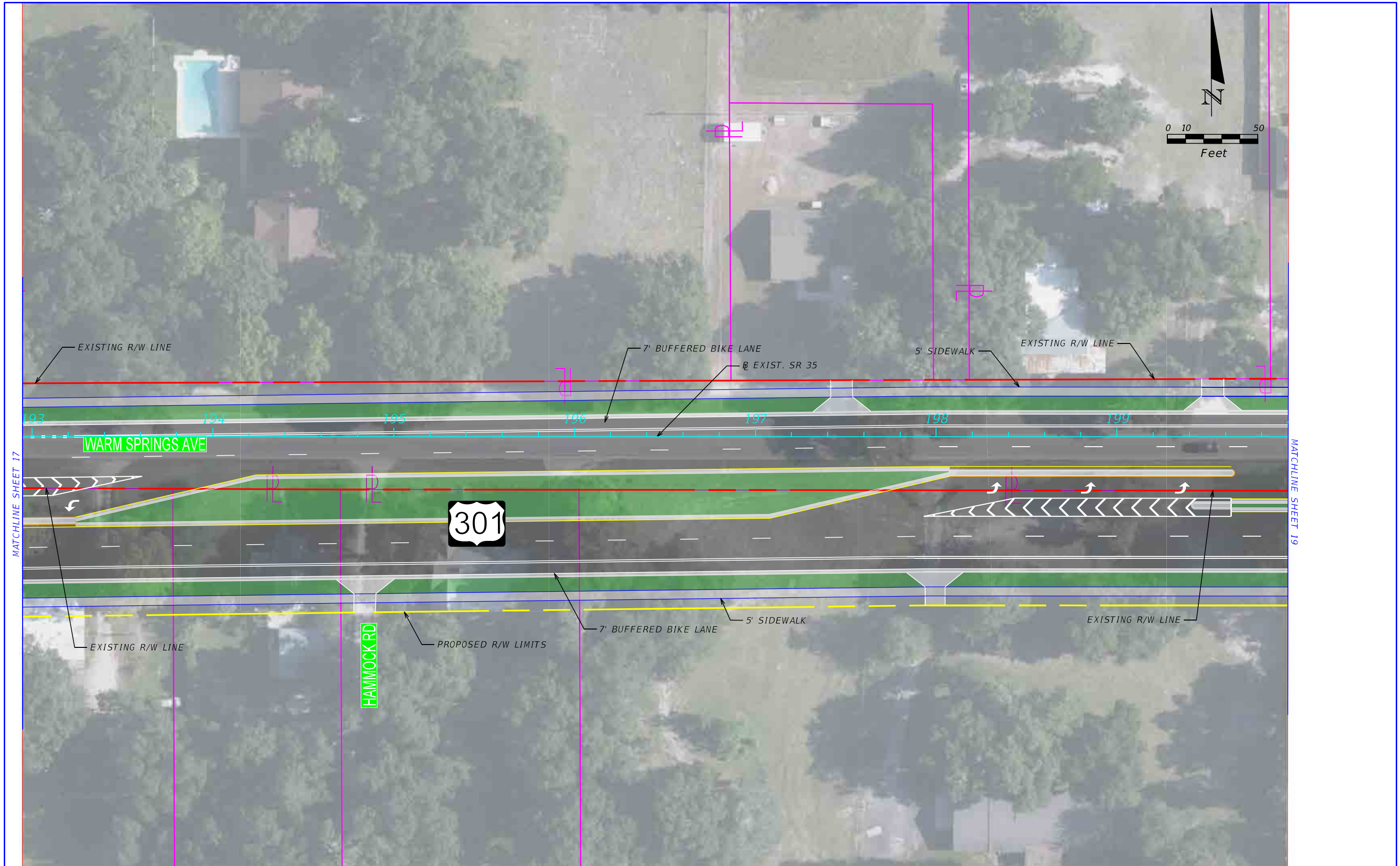
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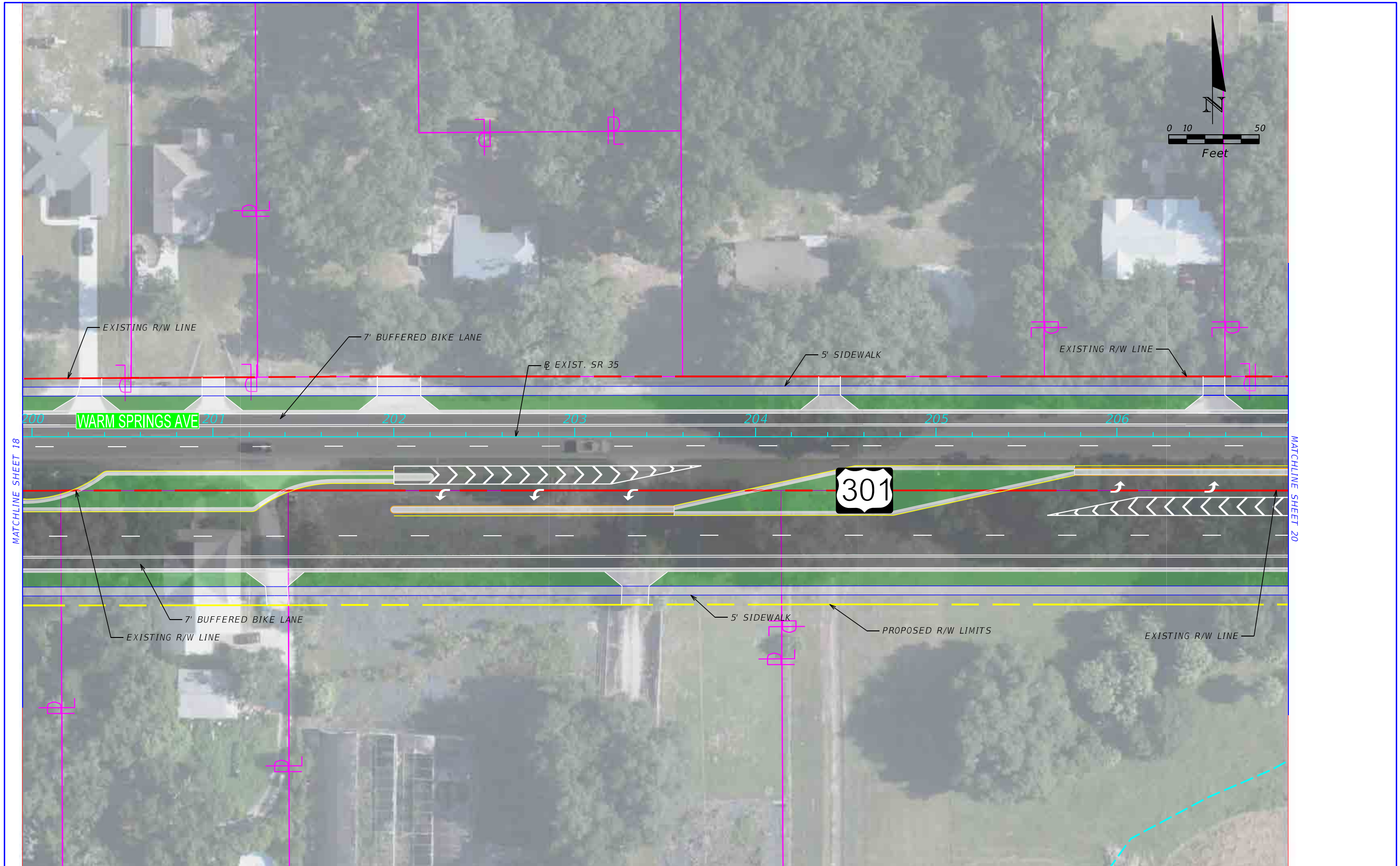
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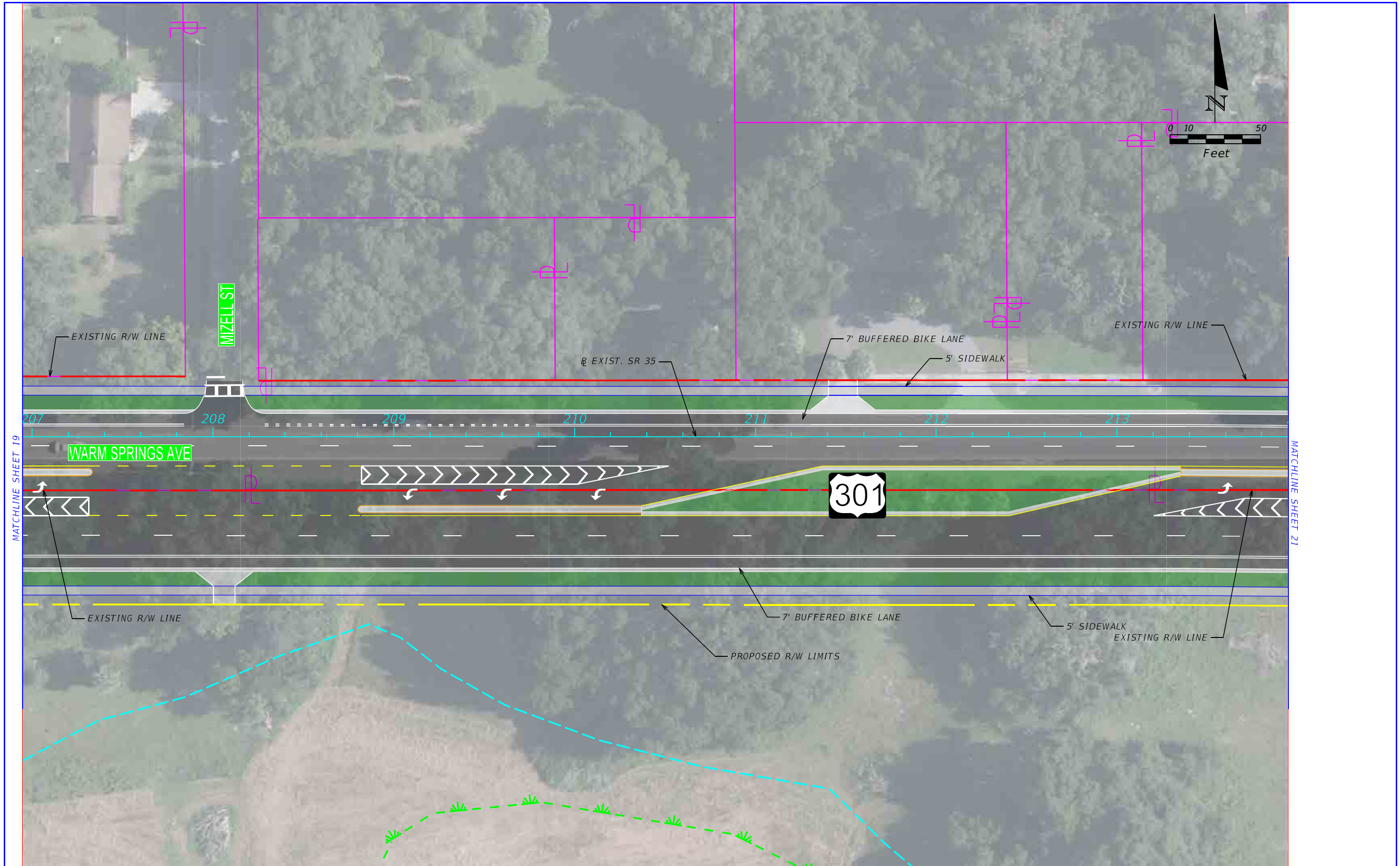
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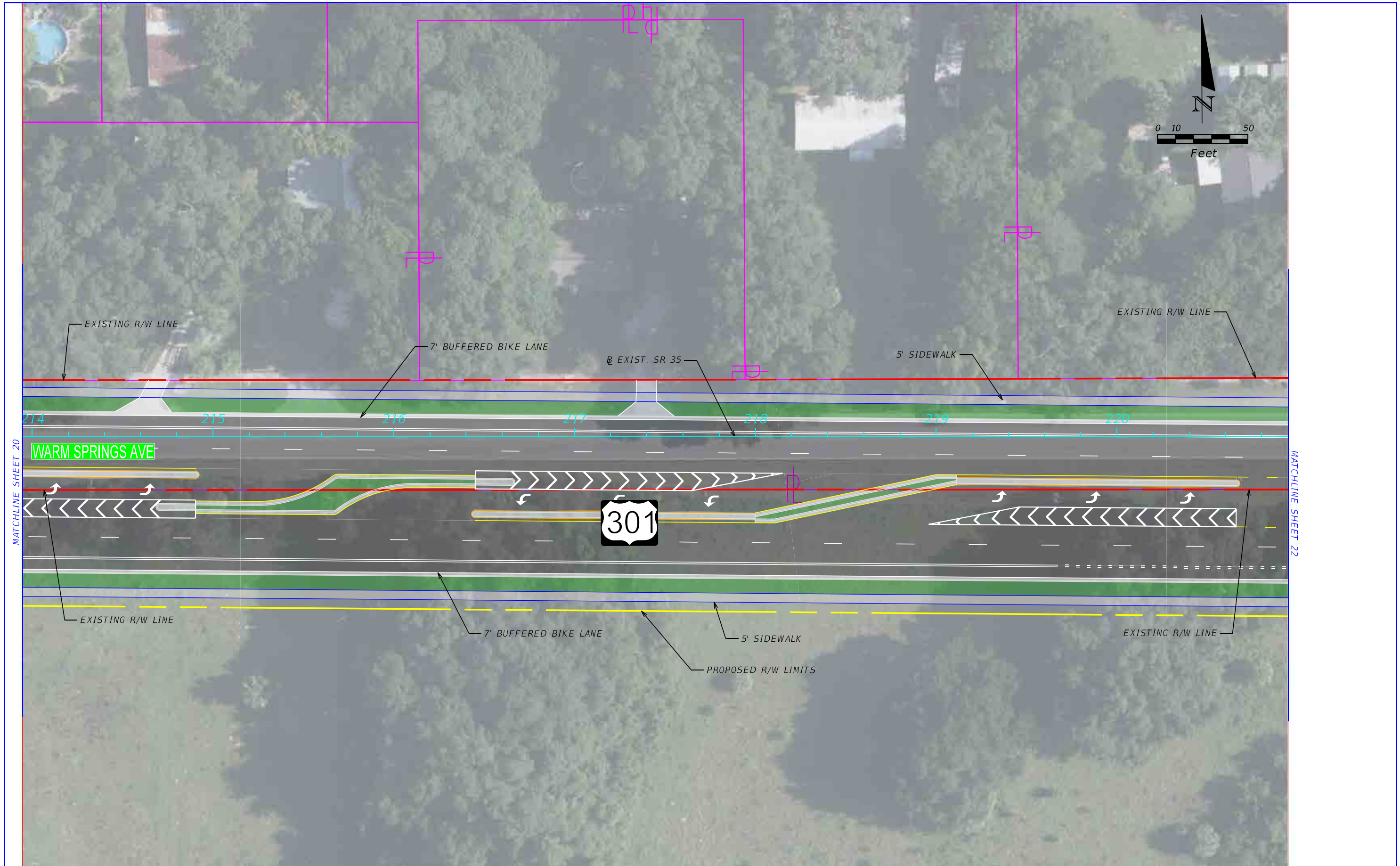
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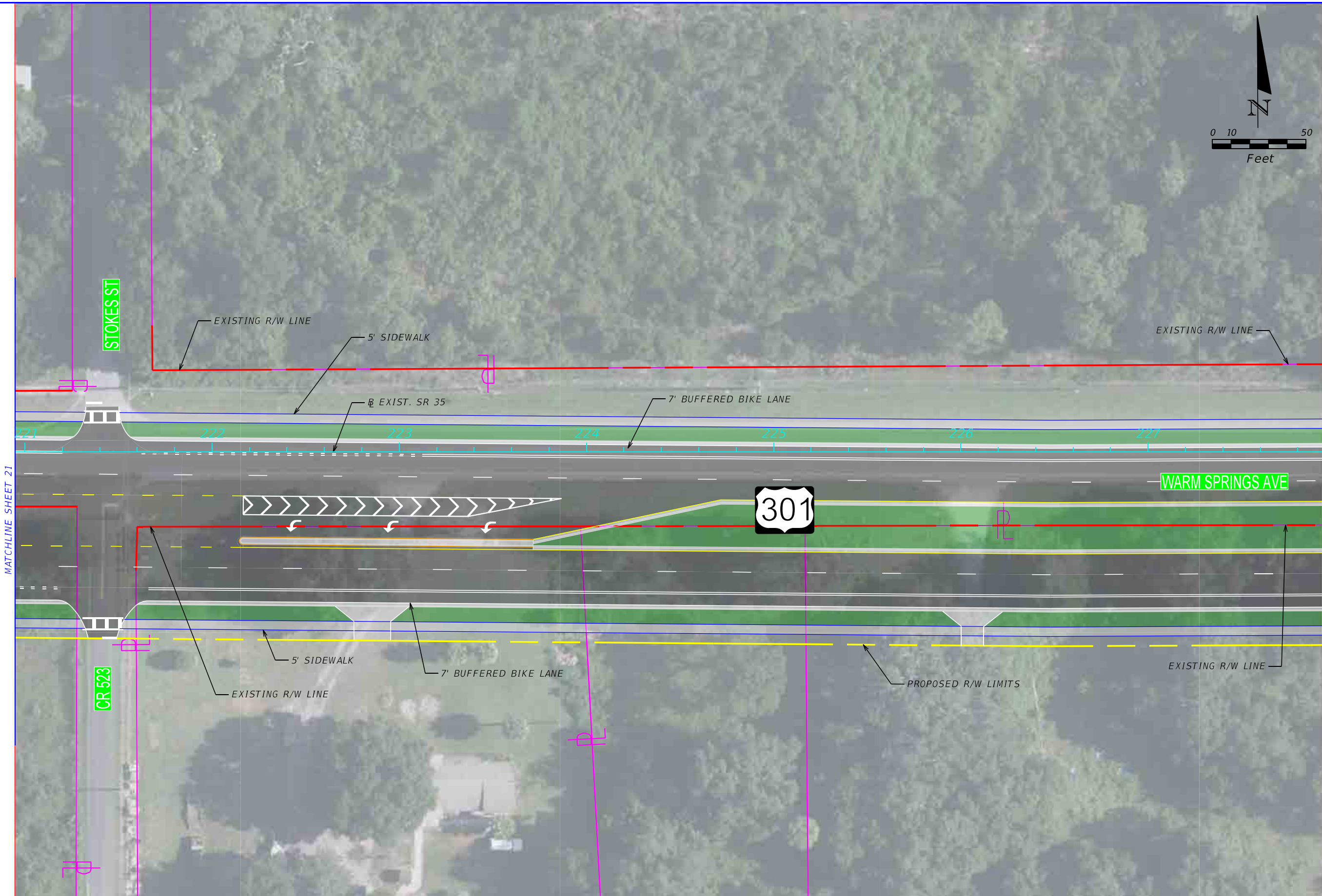
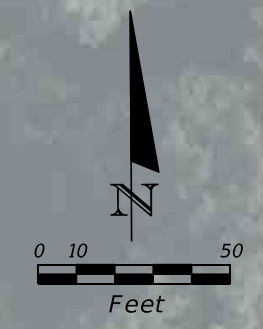
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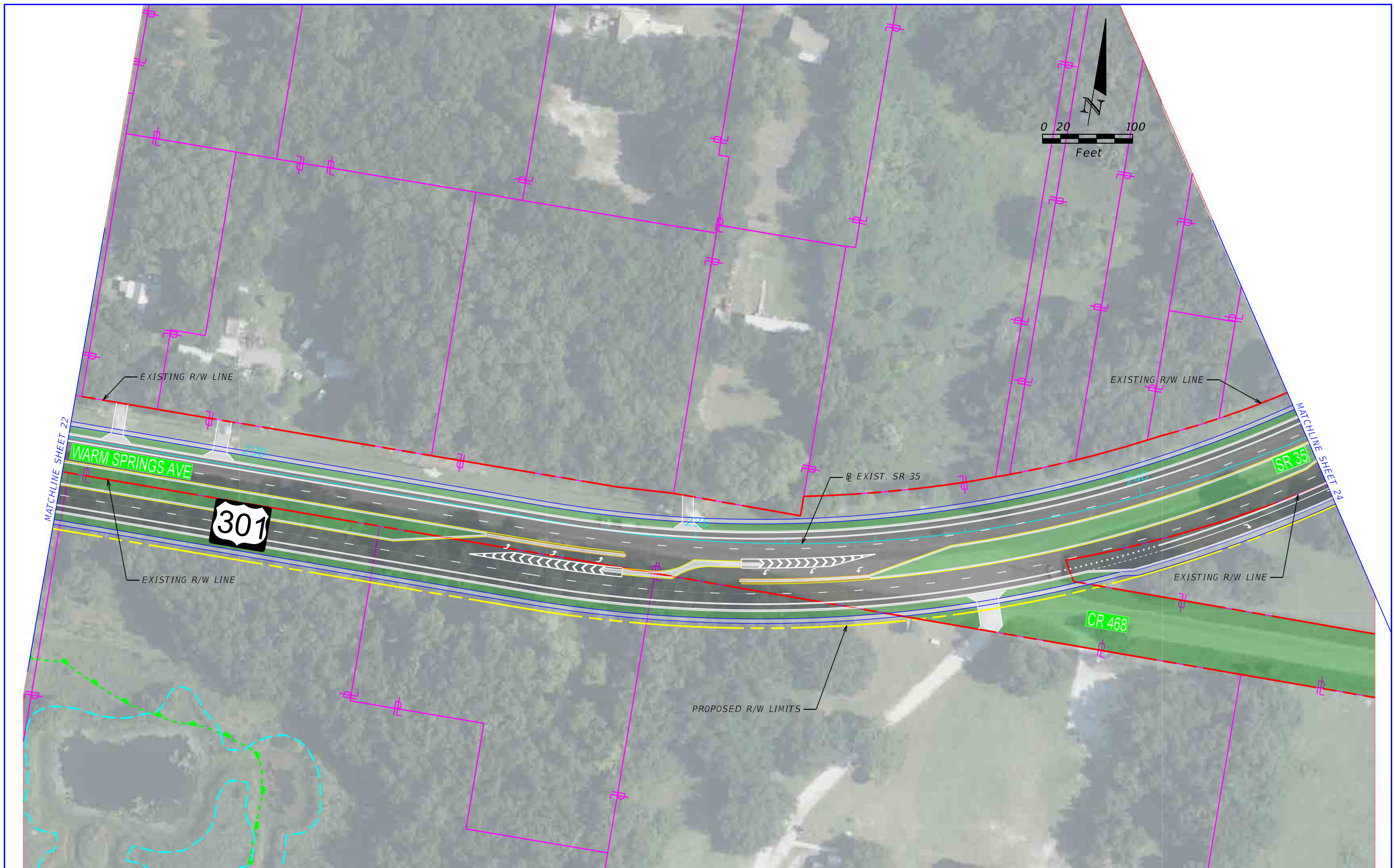
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

US 301 PD&E STUDY ALTERNATIVE 1
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SHEET NO.
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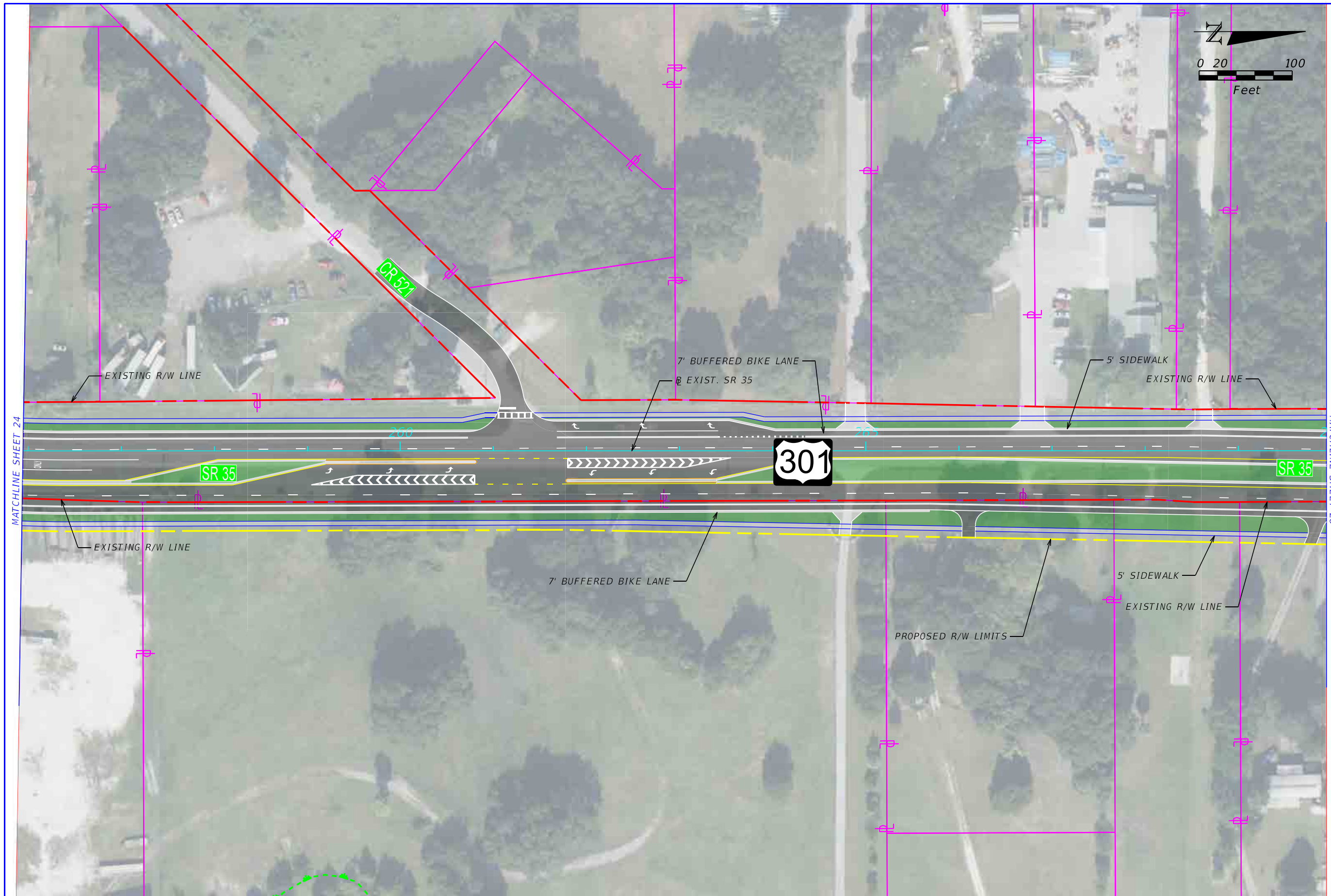
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
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**US 301 PD&E STUDY
ALTERNATIVE 1**

SHEET NO.
24



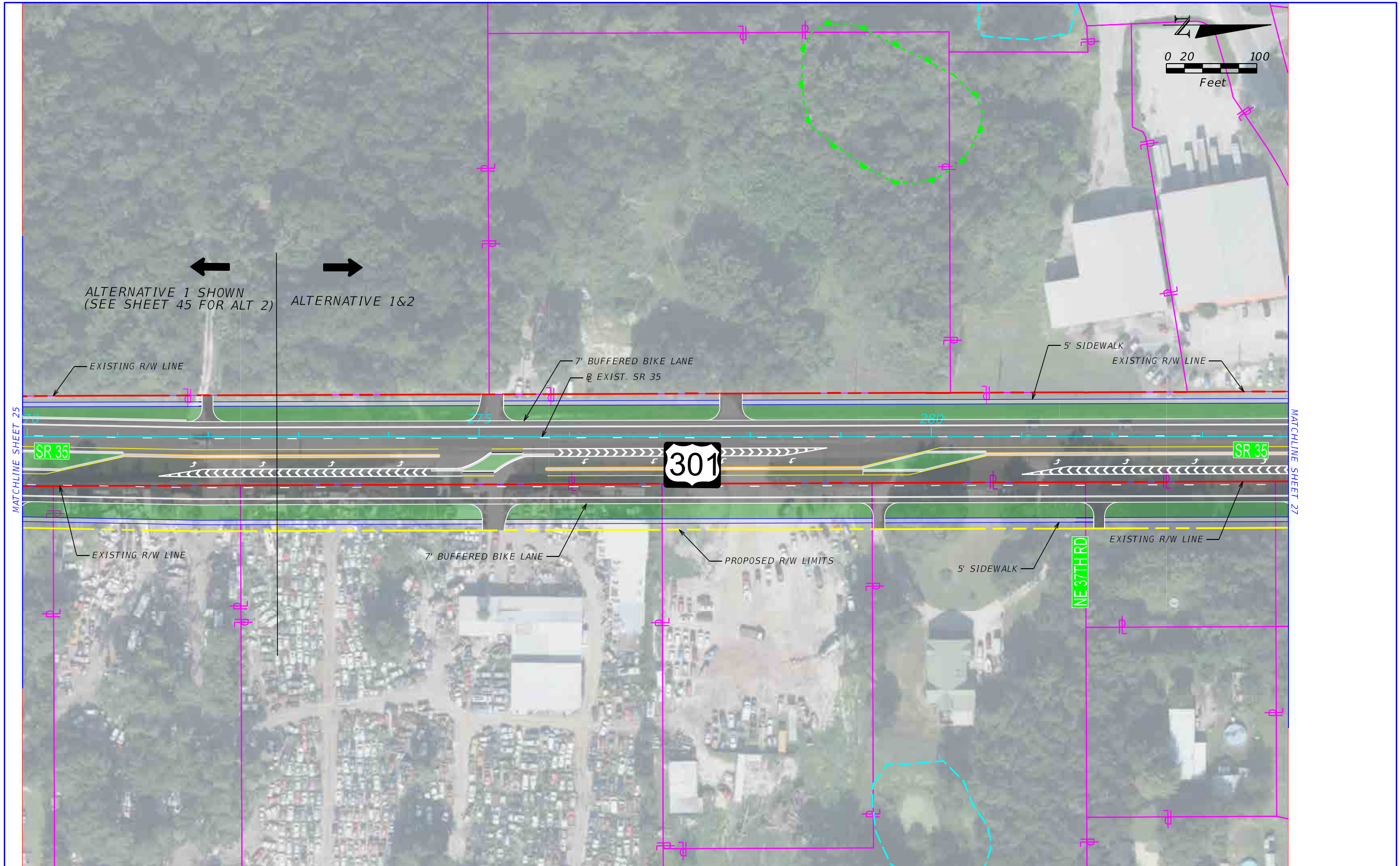
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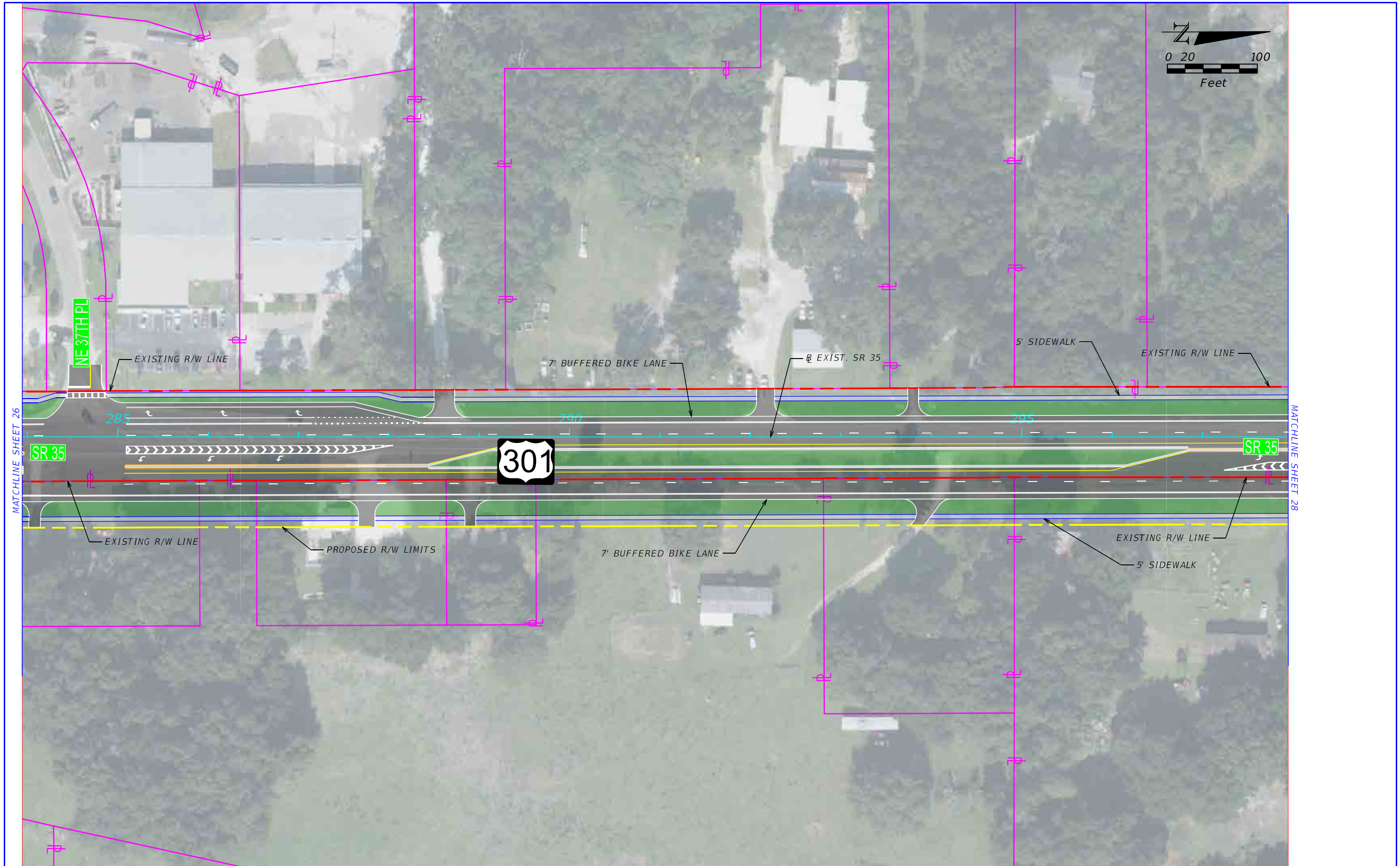
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

US 301 PD&E STUDY ALTERNATIVE 1	
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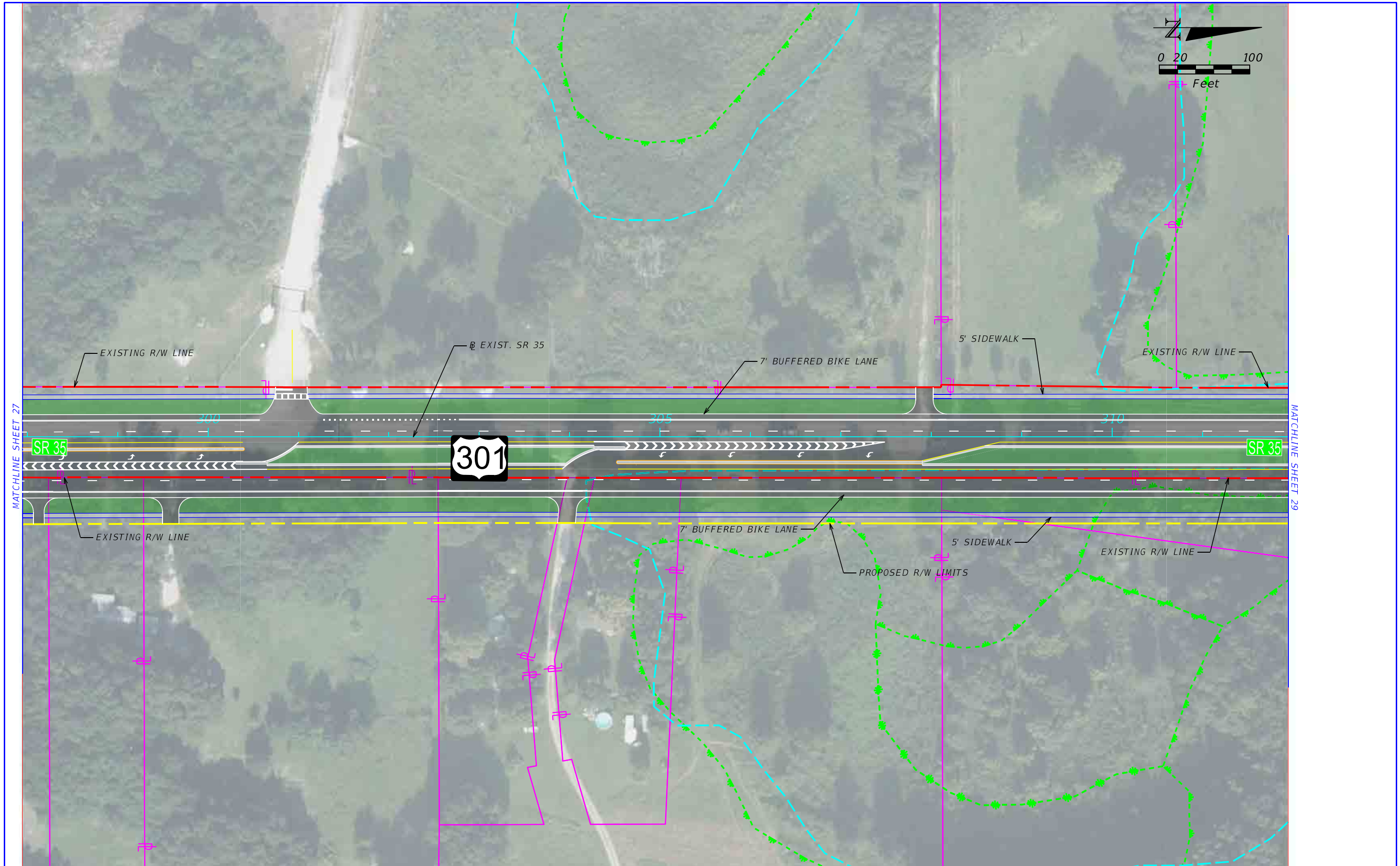
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REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVES 1 & 2	SHEET NO.
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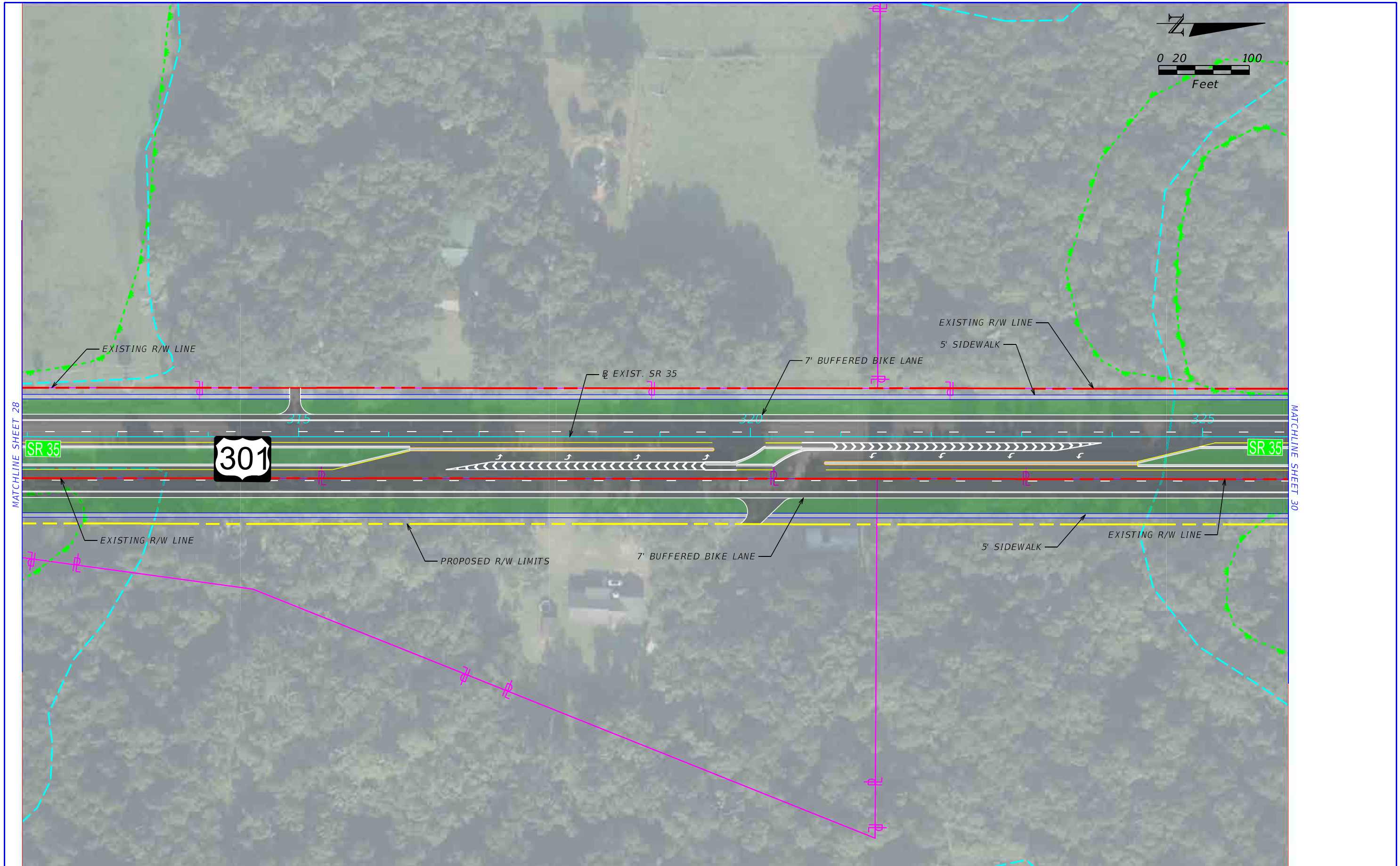


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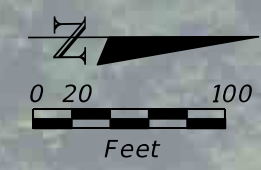


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DATE	DESCRIPTION	DATE	DESCRIPTION					28

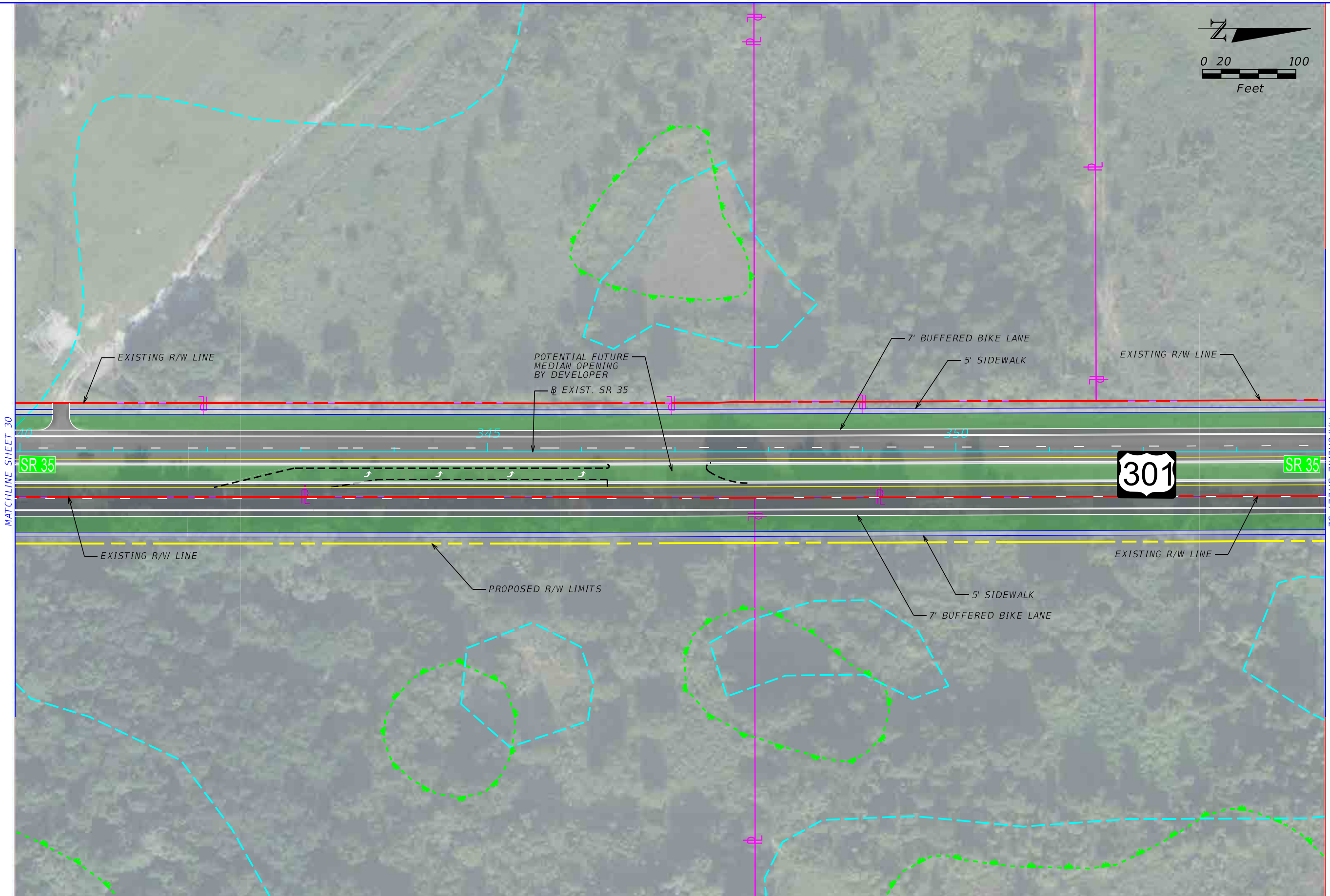
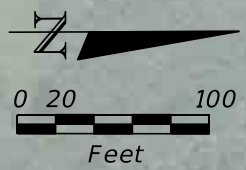
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SR 35	SUMTER	430132-1-52-01



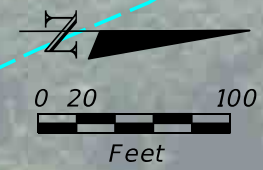
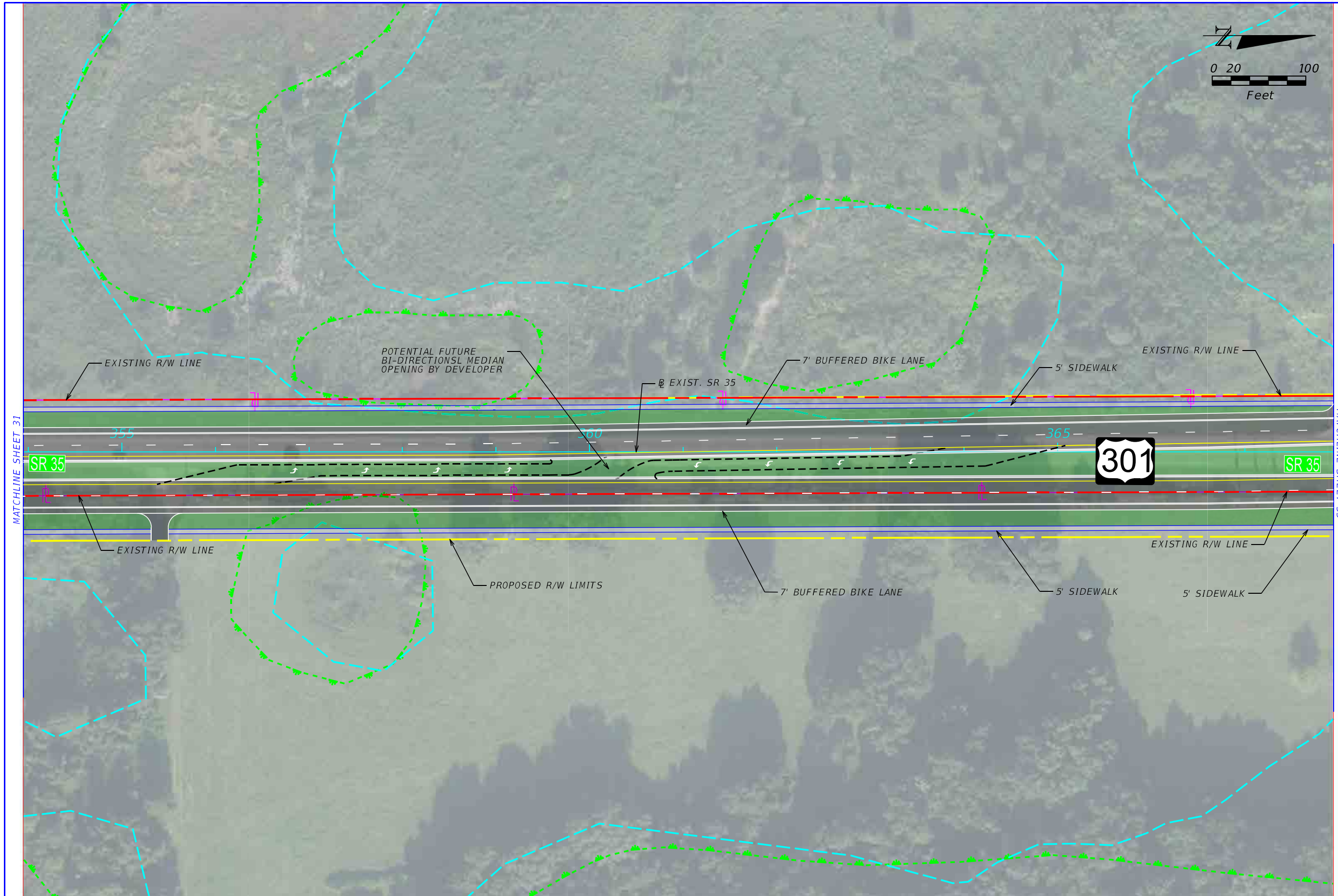
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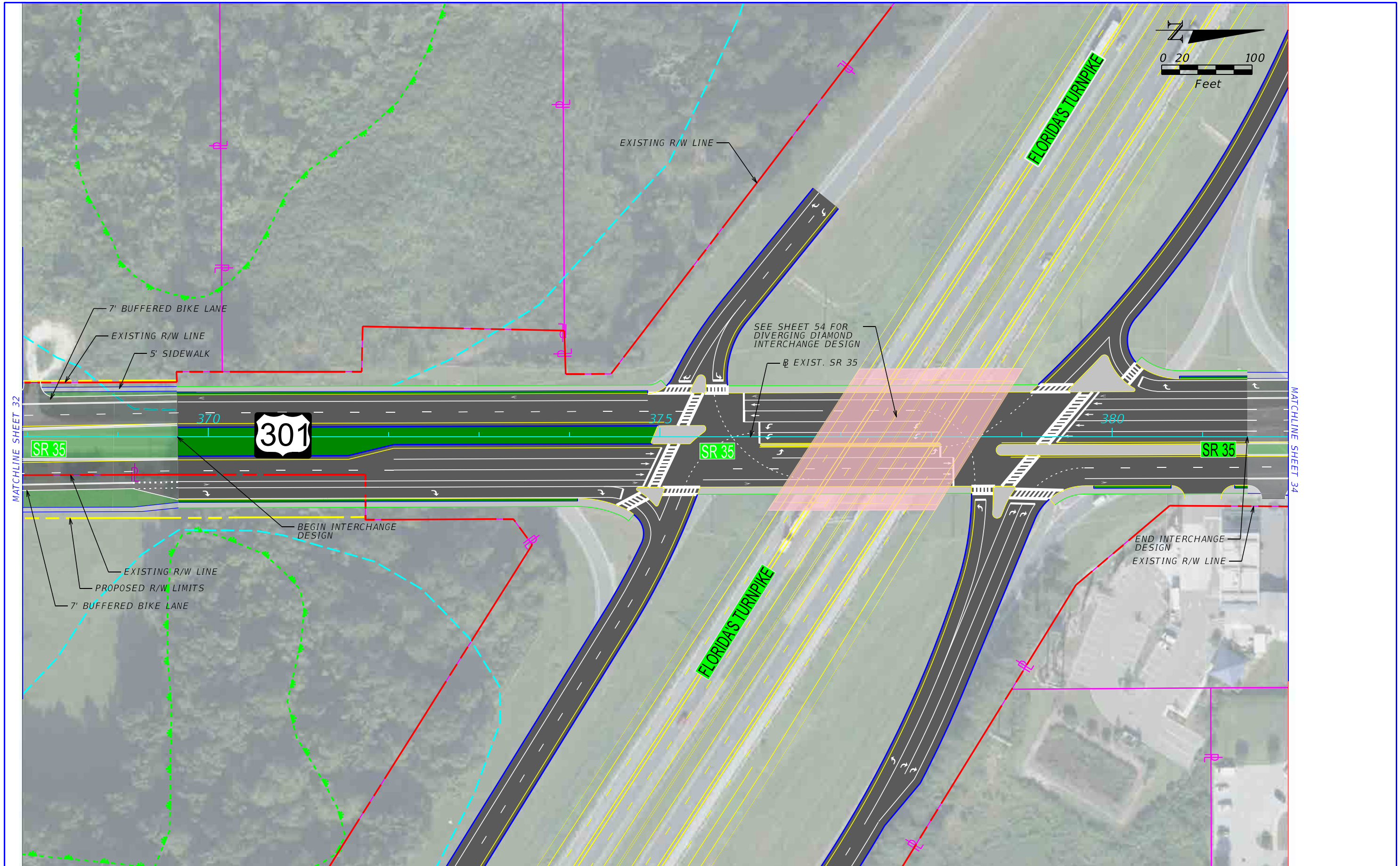
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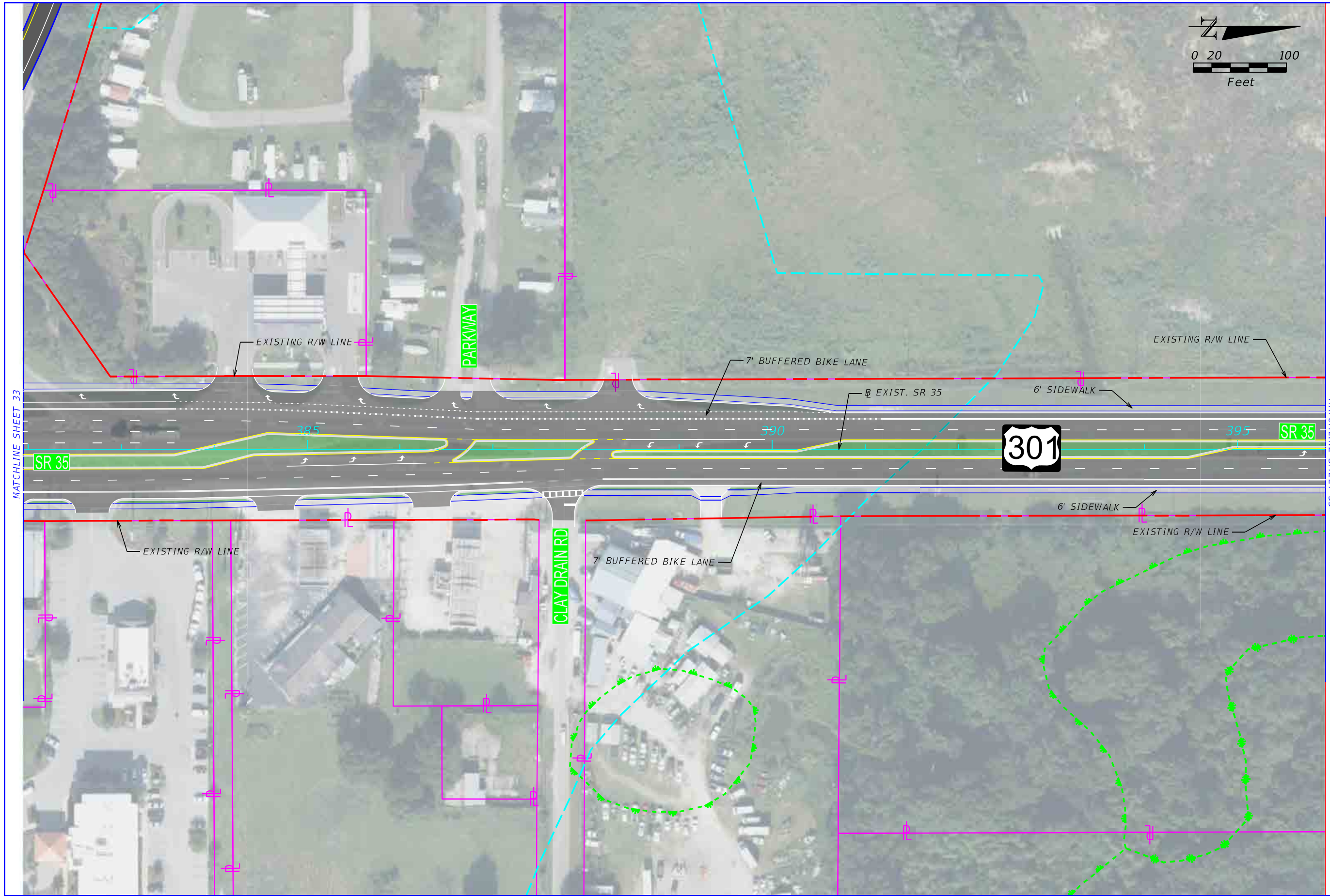
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

**US 301 PD&E STUDY
ALTERNATIVES 1 & 2**

SHEET NO.
33



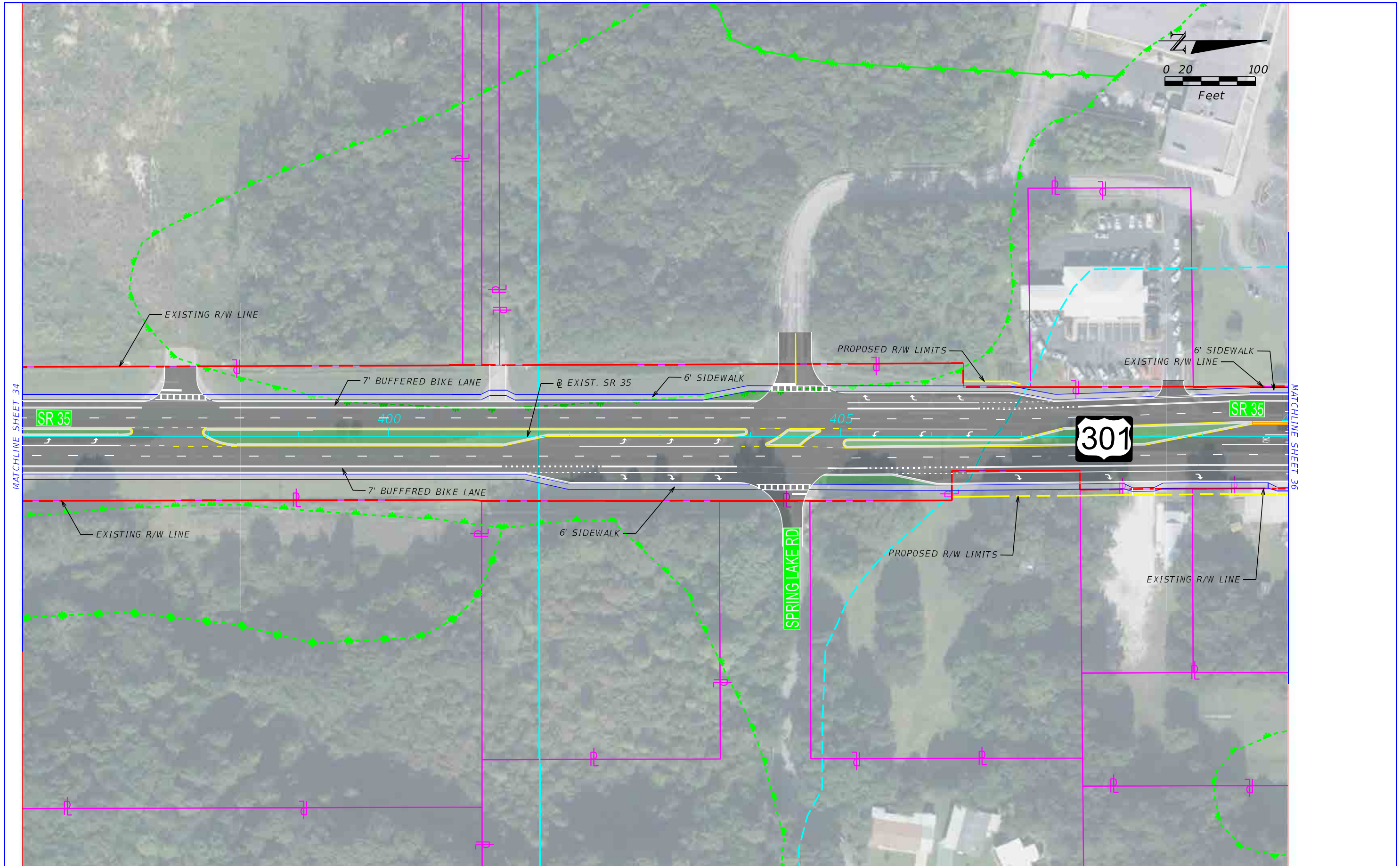
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

**US 301 PD&E STUDY
ALTERNATIVES 1 & 2**

SHEET
NO.
34



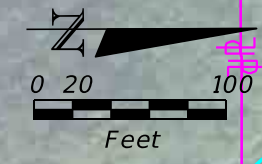
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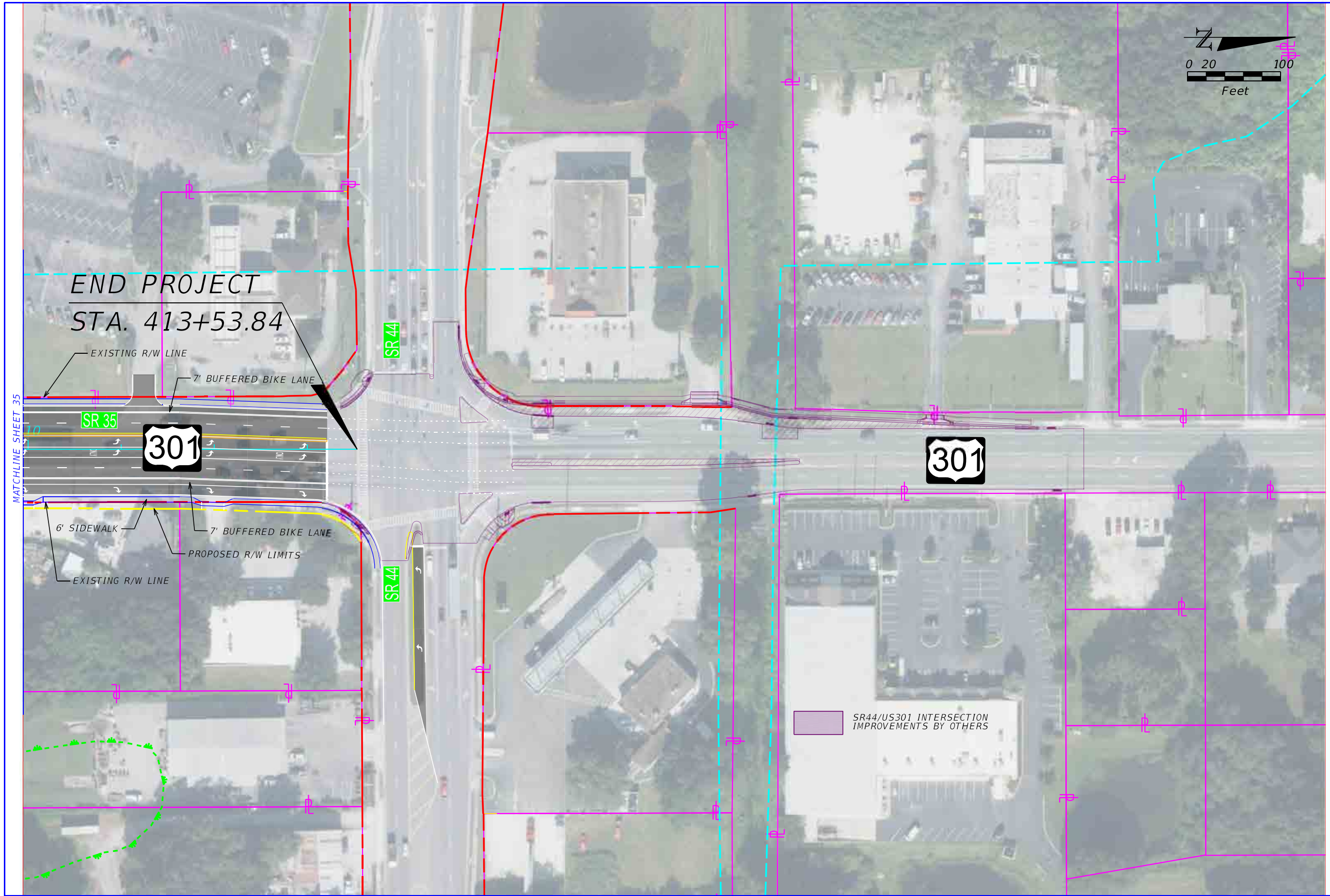
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

**US 301 PD&E STUDY
ALTERNATIVES 1 & 2**

SHEET NO.
35



END PROJECT
STA. 413+53.84

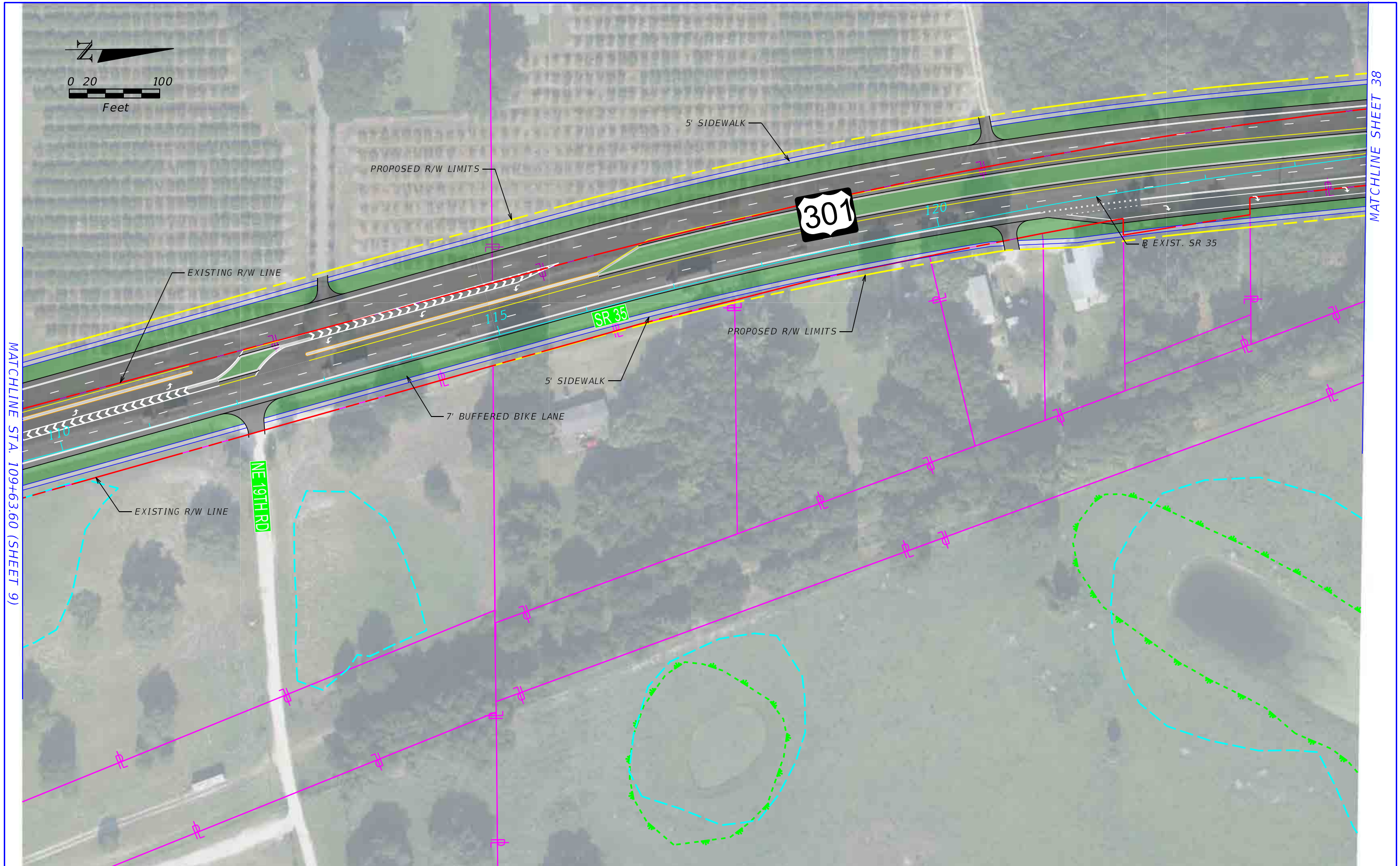
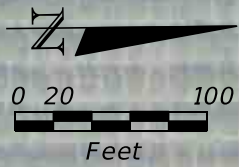


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DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

US 301 PD&E STUDY
ALTERNATIVES 1 & 2

SHEET
NO.
36



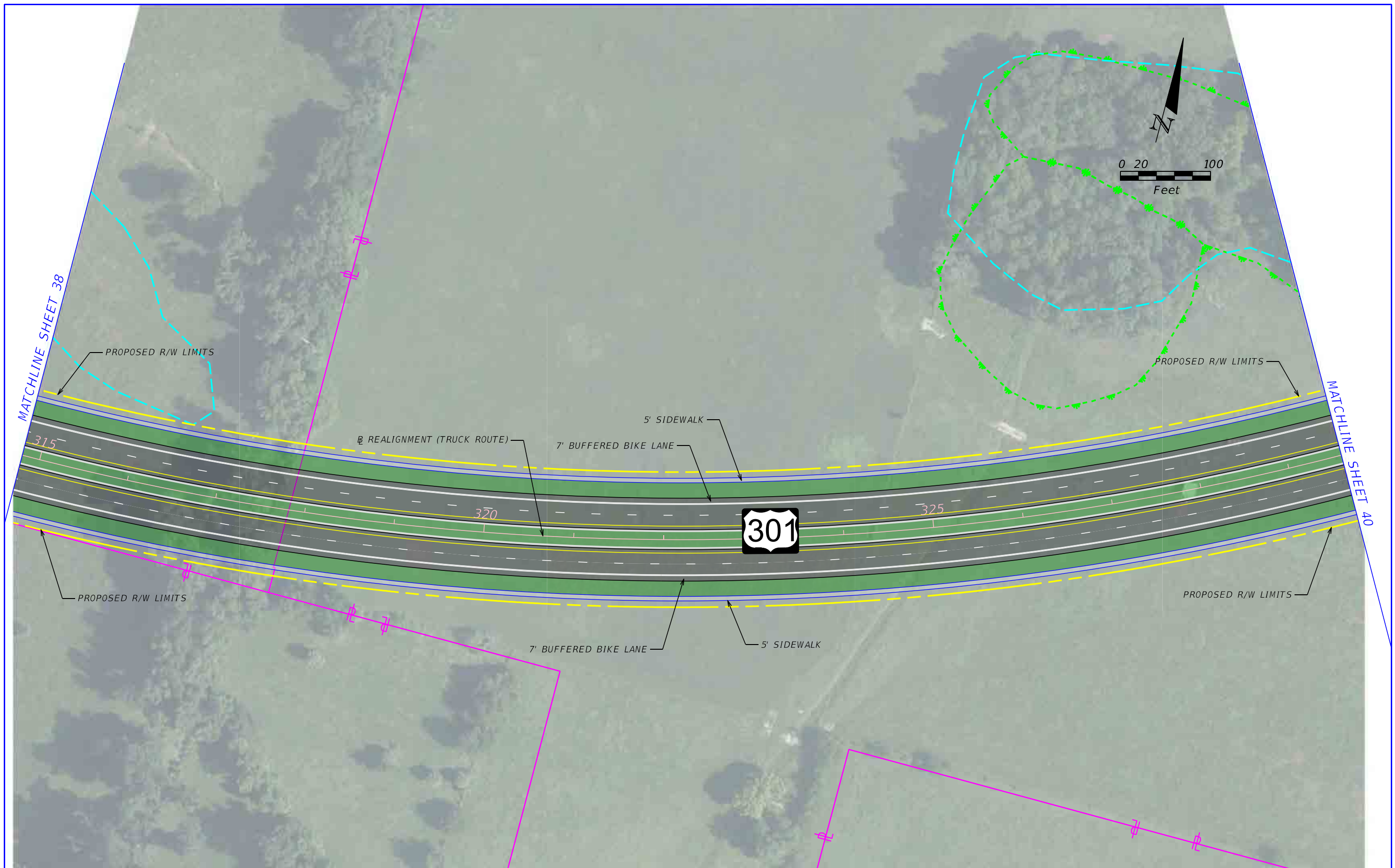
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MATCHLINE SHEET 38

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVE 2	SHEET NO. 37
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVE 2	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

**US 301 PD&E STUDY
ALTERNATIVE 2**

SHEET NO.
39



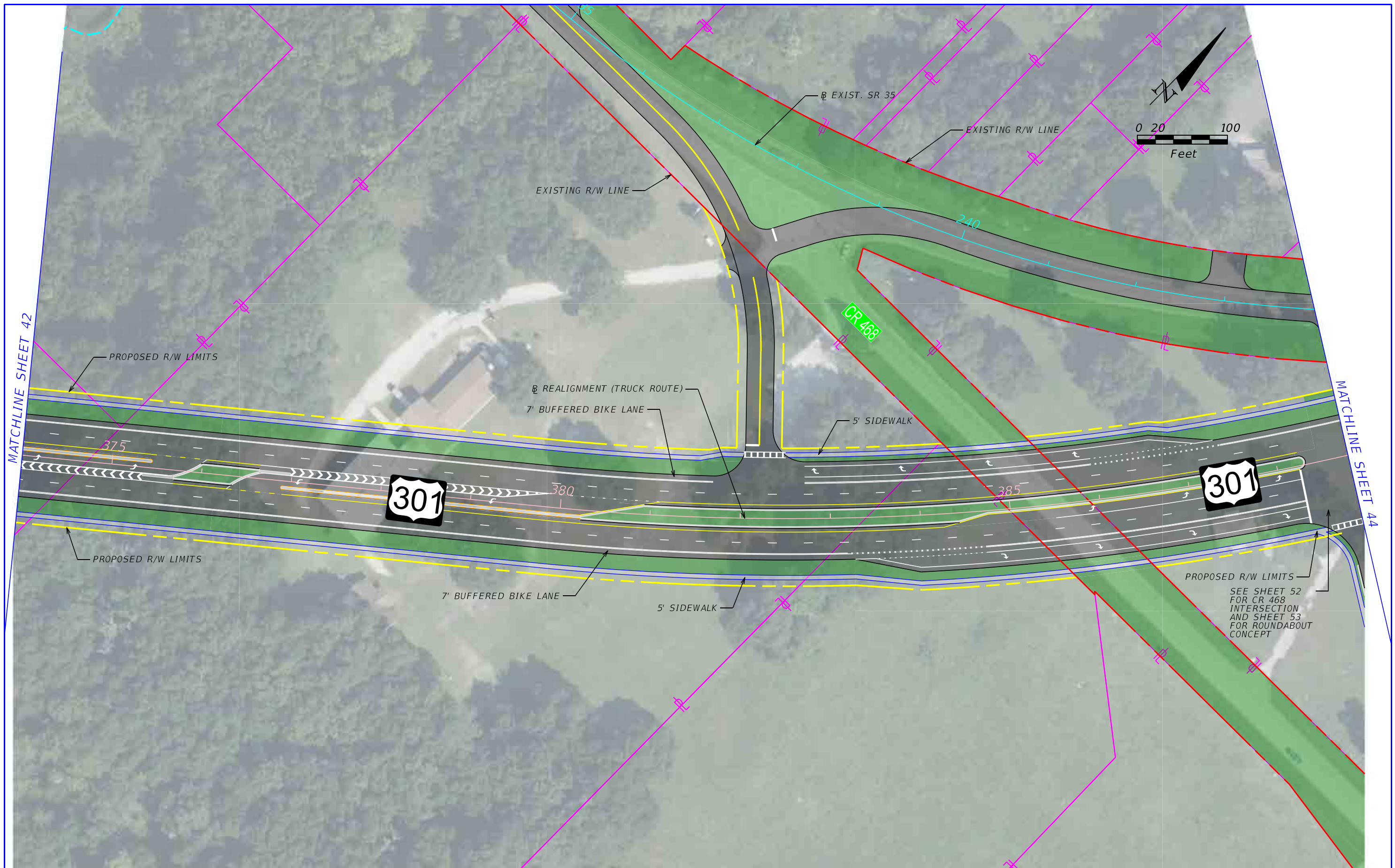
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REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVE 2	SHEET NO.
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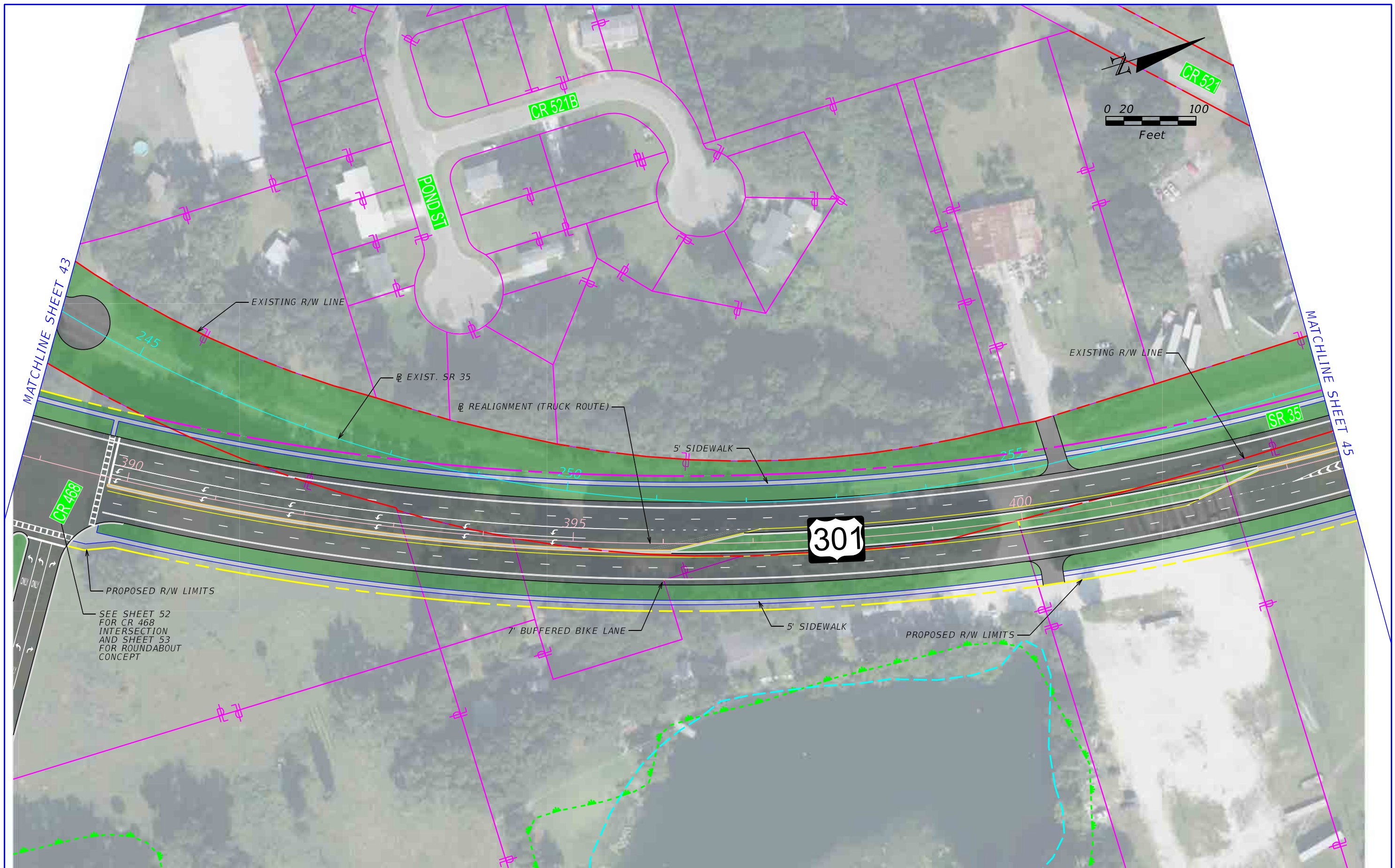


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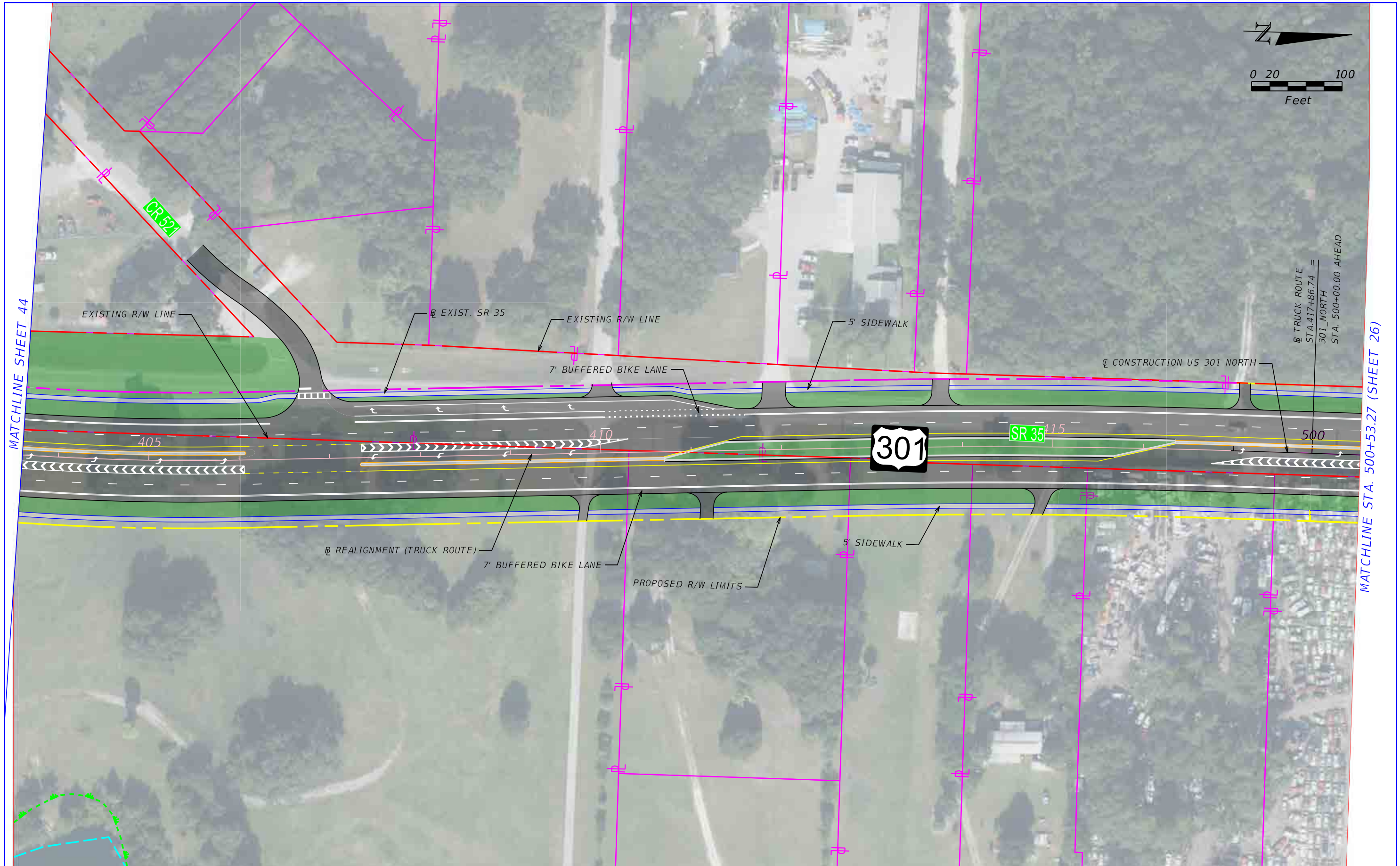
PROPOSED R/W LIMITS
 SEE SHEET 52
 FOR CR 468
 INTERSECTION
 AND SHEET 53
 FOR ROUNDABOUT
 CONCEPT

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVE 2	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		



SEE SHEET 52 FOR CR 468 INTERSECTION AND SHEET 53 FOR ROUNDABOUT CONCEPT

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVE 2	SHEET NO. 44
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

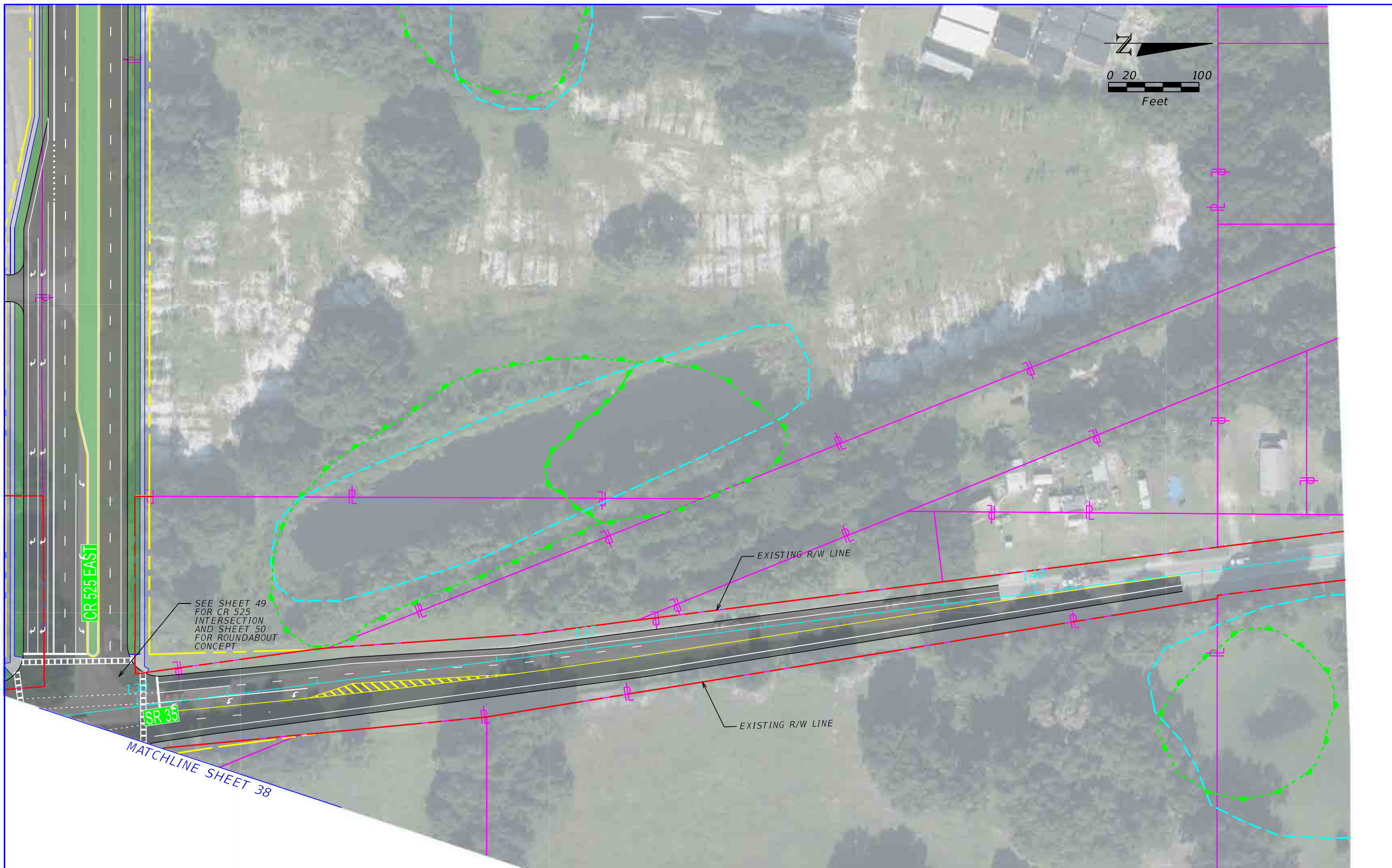
**US 301 PD&E STUDY
ALTERNATIVE 2**

SHEET NO.
45



MATCHLINE SHEET 42

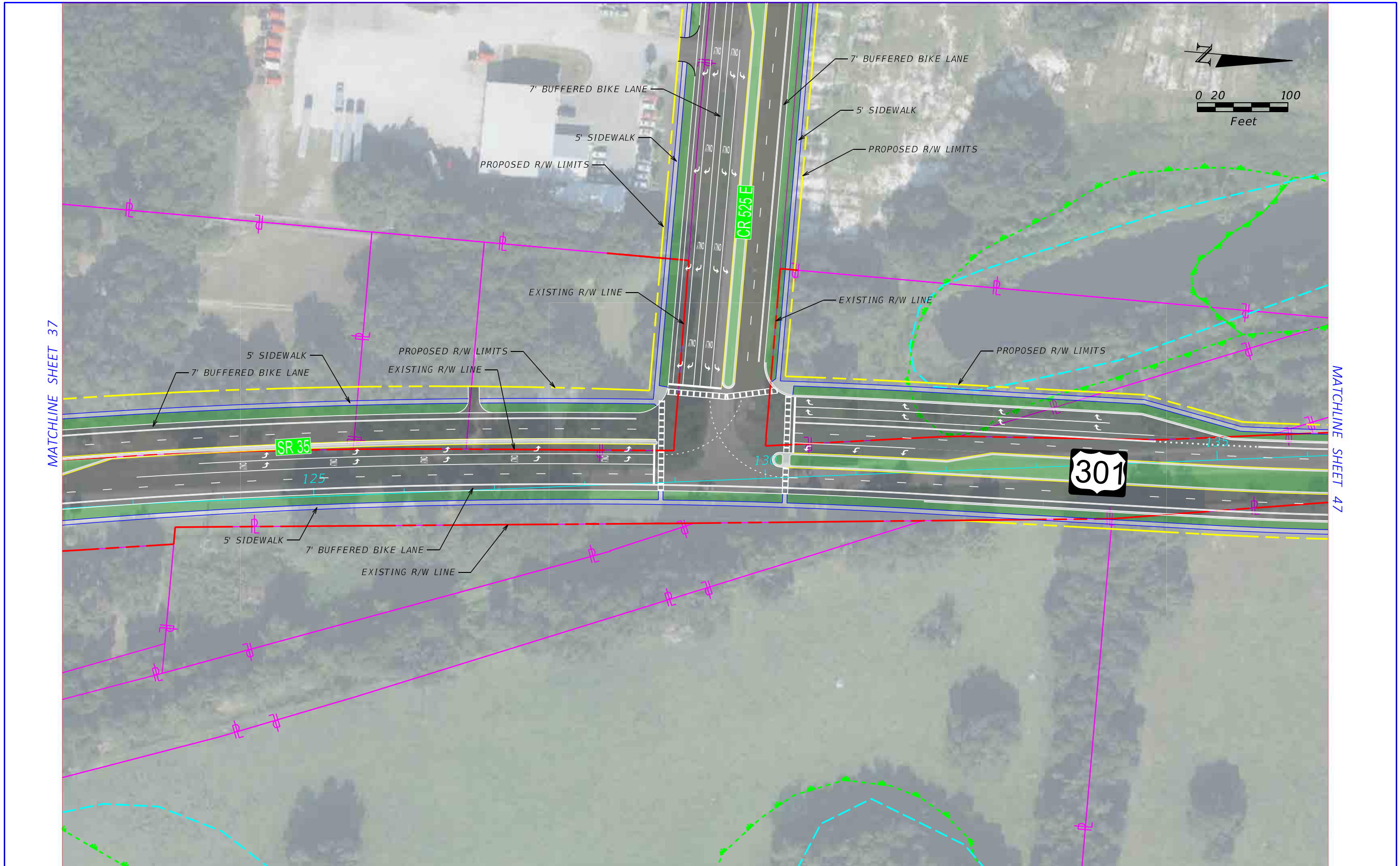
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVE 2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		46
				SR 35	SUMTER	430132-1-52-01		



SEE SHEET 49
FOR CR 525
INTERSECTION
AND SHEET 50
FOR ROUNDABOUT
CONCEPT

MATCHLINE SHEET 38

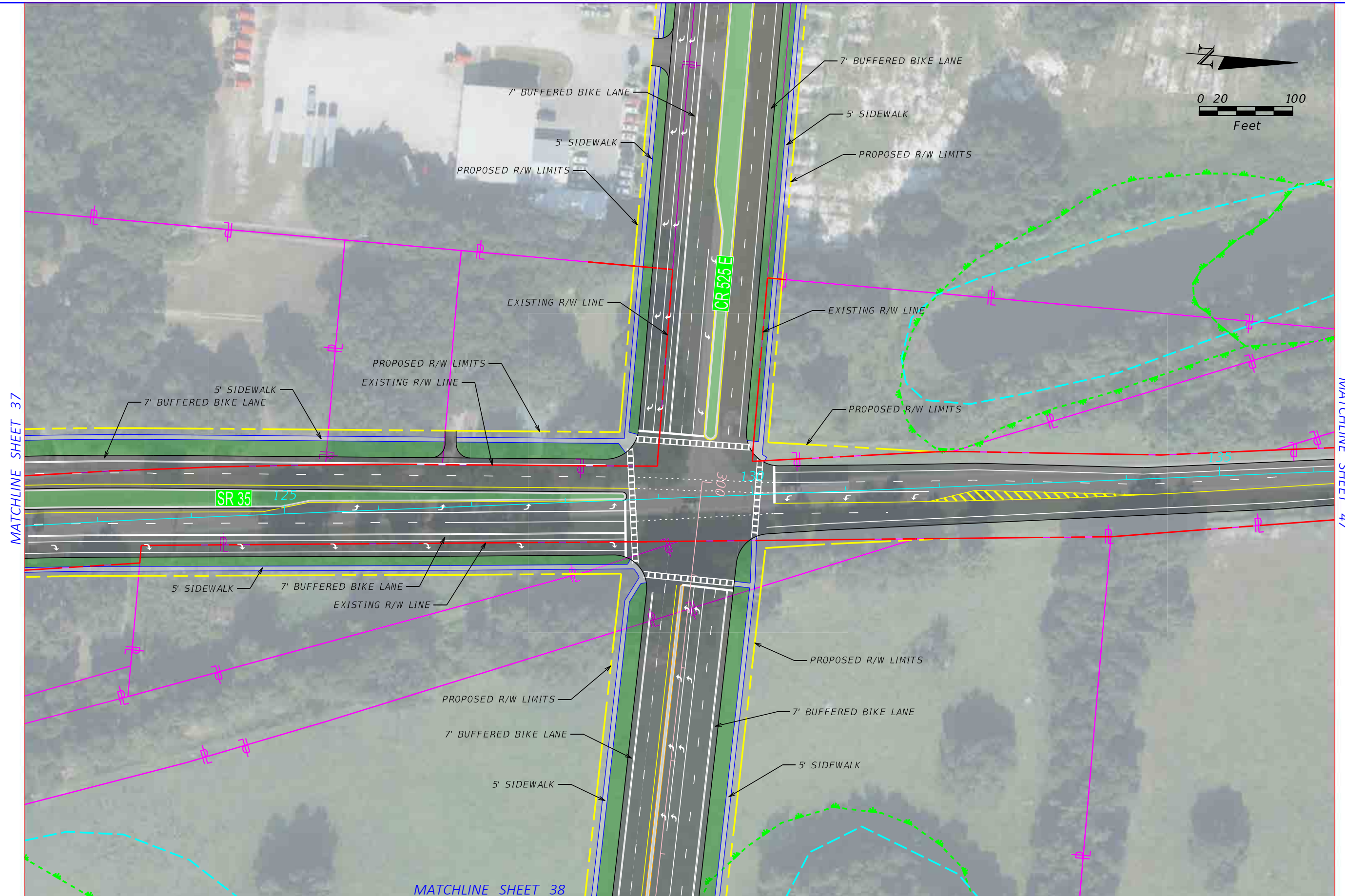
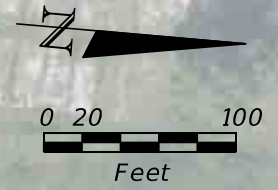
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY ALTERNATIVE 2	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		



MATCHLINE SHEET 37

MATCHLINE SHEET 47

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 WIDENING CR 525 E INTERSECTION	SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		

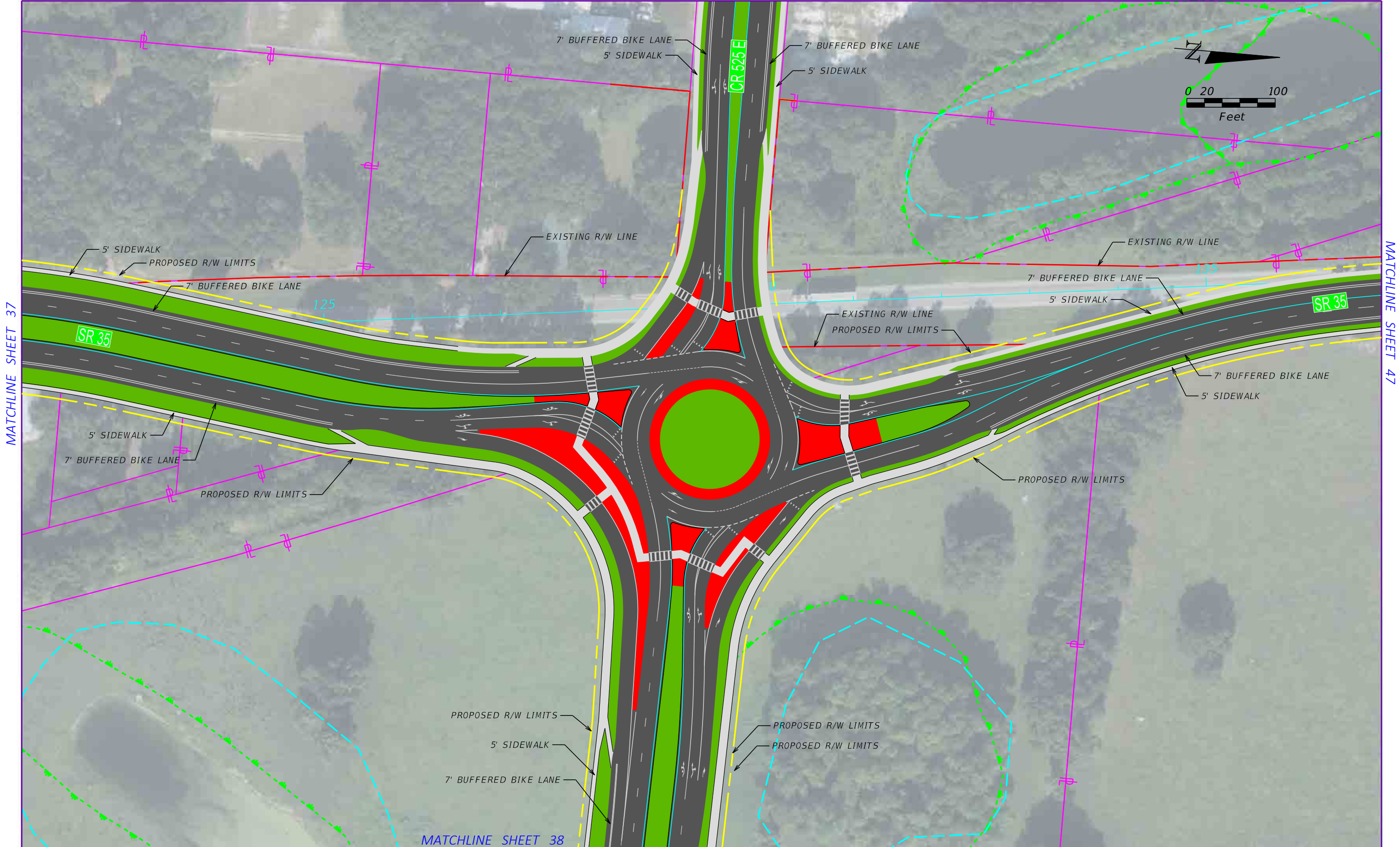


MATCHLINE SHEET 37

MATCHLINE SHEET 47

MATCHLINE SHEET 38

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 REALIGNMENT CR 525 E INTERSECTION	SHEET NO. 49
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		



MATCHLINE SHEET 37

MATCHLINE SHEET 47

MATCHLINE SHEET 38

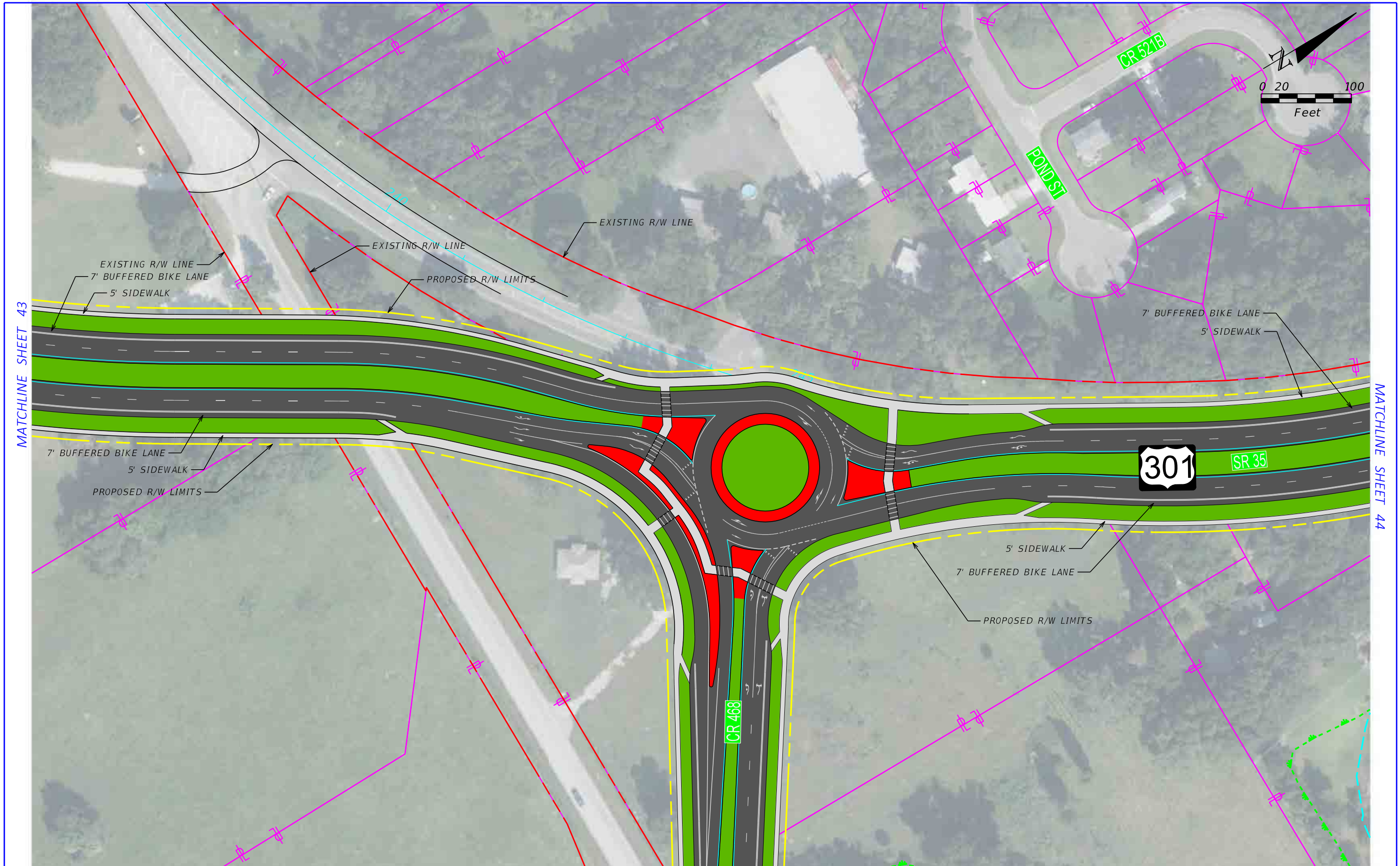
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 REALIGNMENT CR 525 E ROUNDABOUT	SHEET NO. 50
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 REALIGNMENT CR 523 ROUNDABOUT	SHEET NO. 51
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		



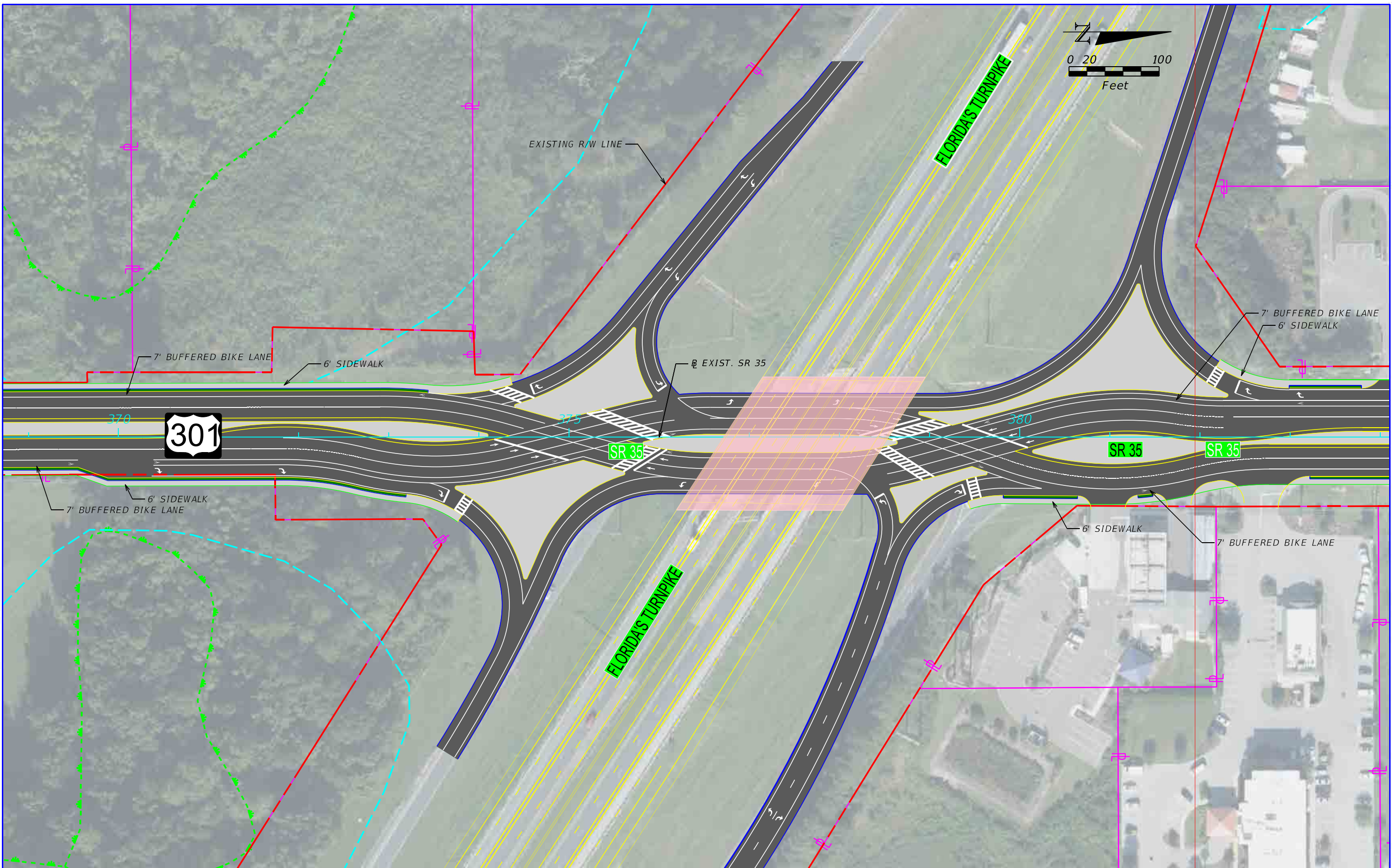
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 REALIGNMENT CR 468 INTERSECTION	SHEET NO. 52
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 REALIGNMENT CR 468 ROUNDABOUT	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-52-01		53

MATCHLINE SHEET 32

MATCHLINE SHEET 34



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

TURNPIKE INTERCHANGE DIVERGING DIAMOND OPTION	
--	--

SHEET NO.
54

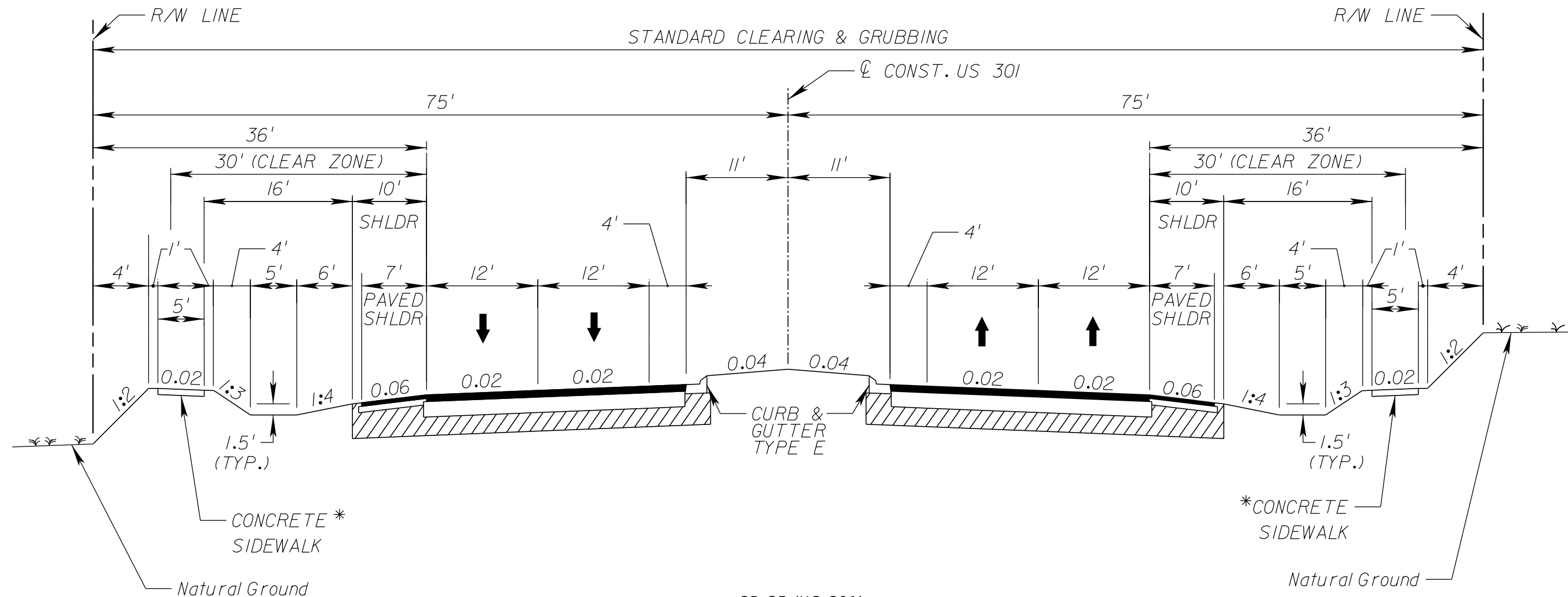


APPENDIX



B

Recommended Alternative
(Alternative 2) Concept
Plans

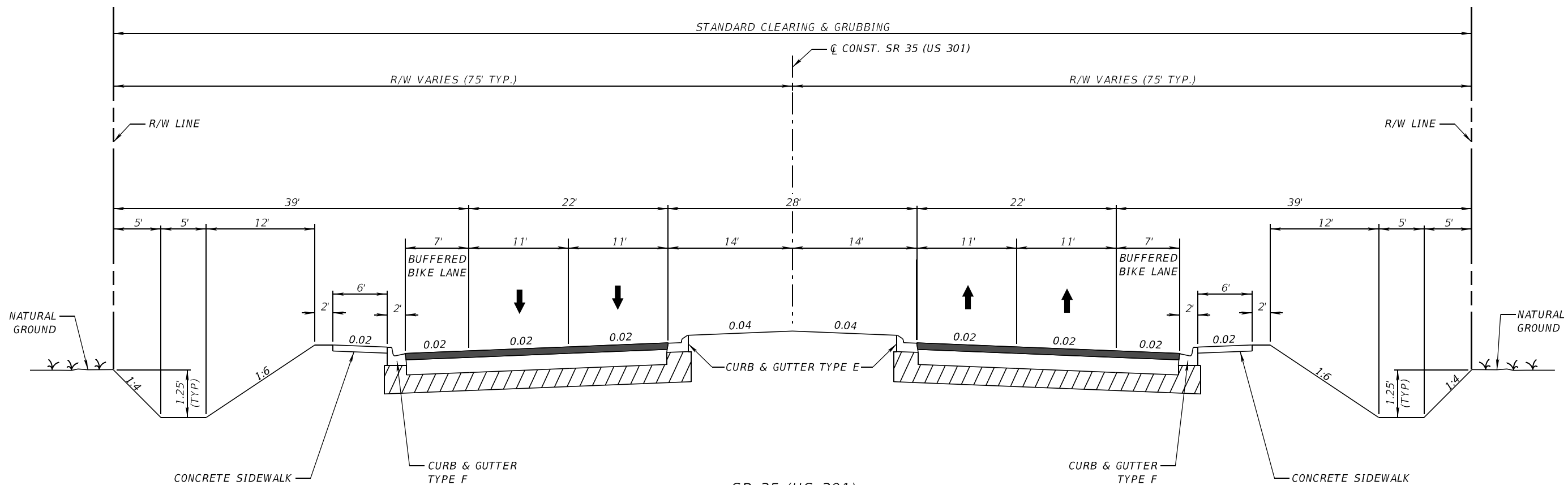


SR 35 (US 301)
 SUBURBAN TYPICAL SECTION
 CR 470 E TO FLORIDA'S TURNPIKE (SR 91)

* CONSTRUCTION OF SIDEWALKS WILL BE DETERMINED DURING THE DESIGN PHASE BASED ON FUTURE LAND USE AND THE URBAN BOUNDARY.

DESIGN SPEED = 55 MPH

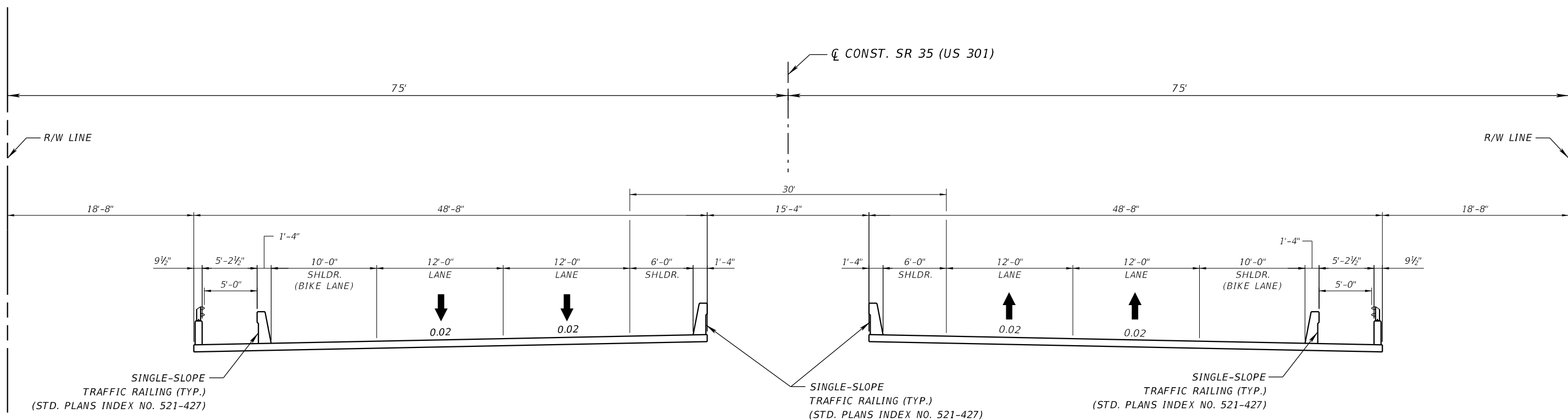
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DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		TYP-1



SR 35 (US 301)
 4-LANE URBAN TYPICAL SECTION
 FLORIDA'S TURNPIKE (SR 91) TO SR 44

DESIGN SPEED = 45 MPH

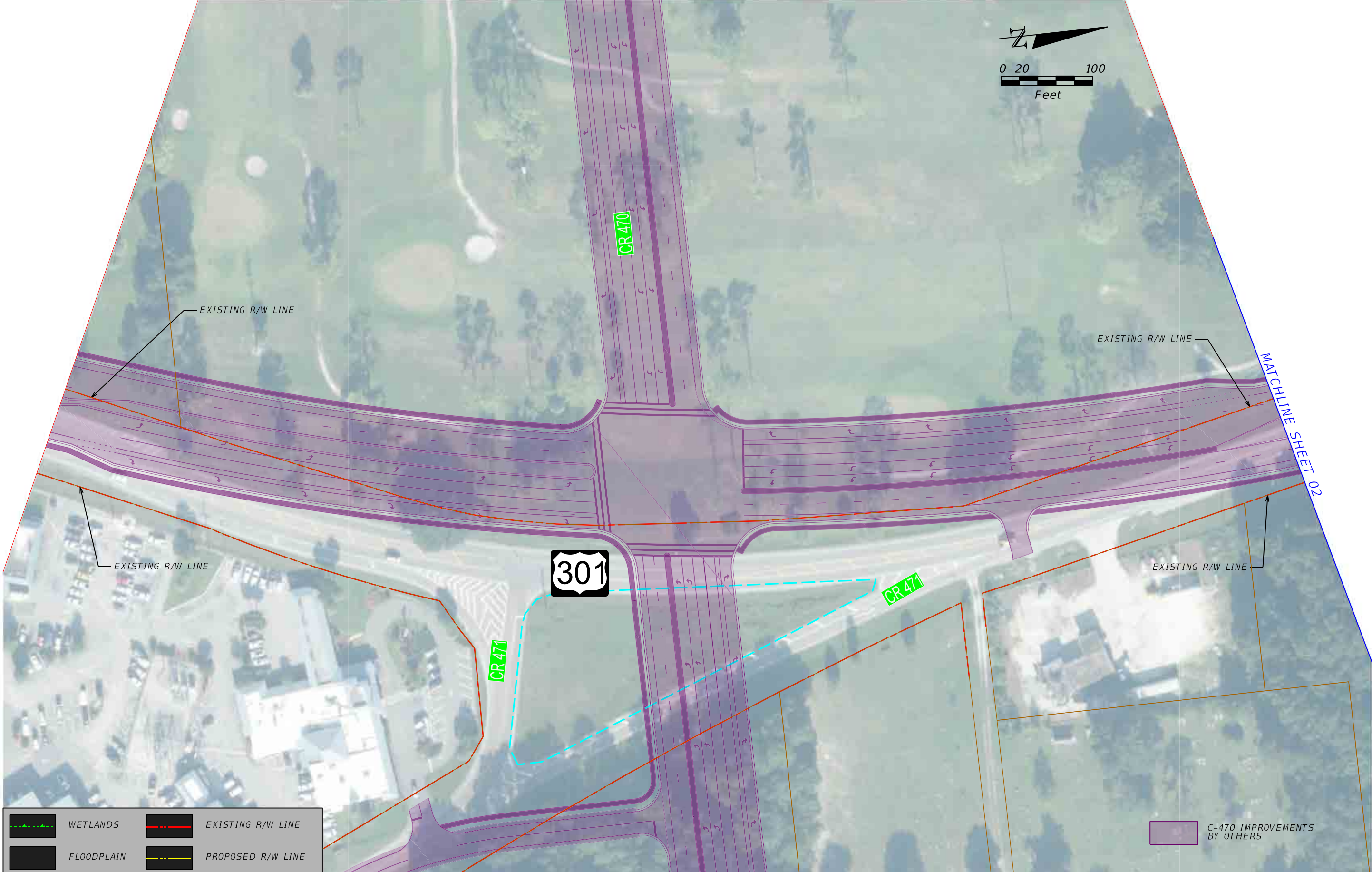
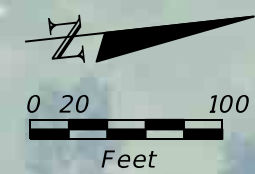
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DATE	DESCRIPTION	DATE	DESCRIPTION			
						ROAD NO. SR 35
				TYP-2		

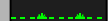





SHADY BROOK BRIDGE TYPICAL SECTION
 SR 35 (US 301)
 MP 15.589 TO MP 15.643

DESIGN SPEED = 55 MPH

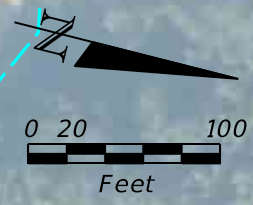
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY TYPICAL SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		TYP-3



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

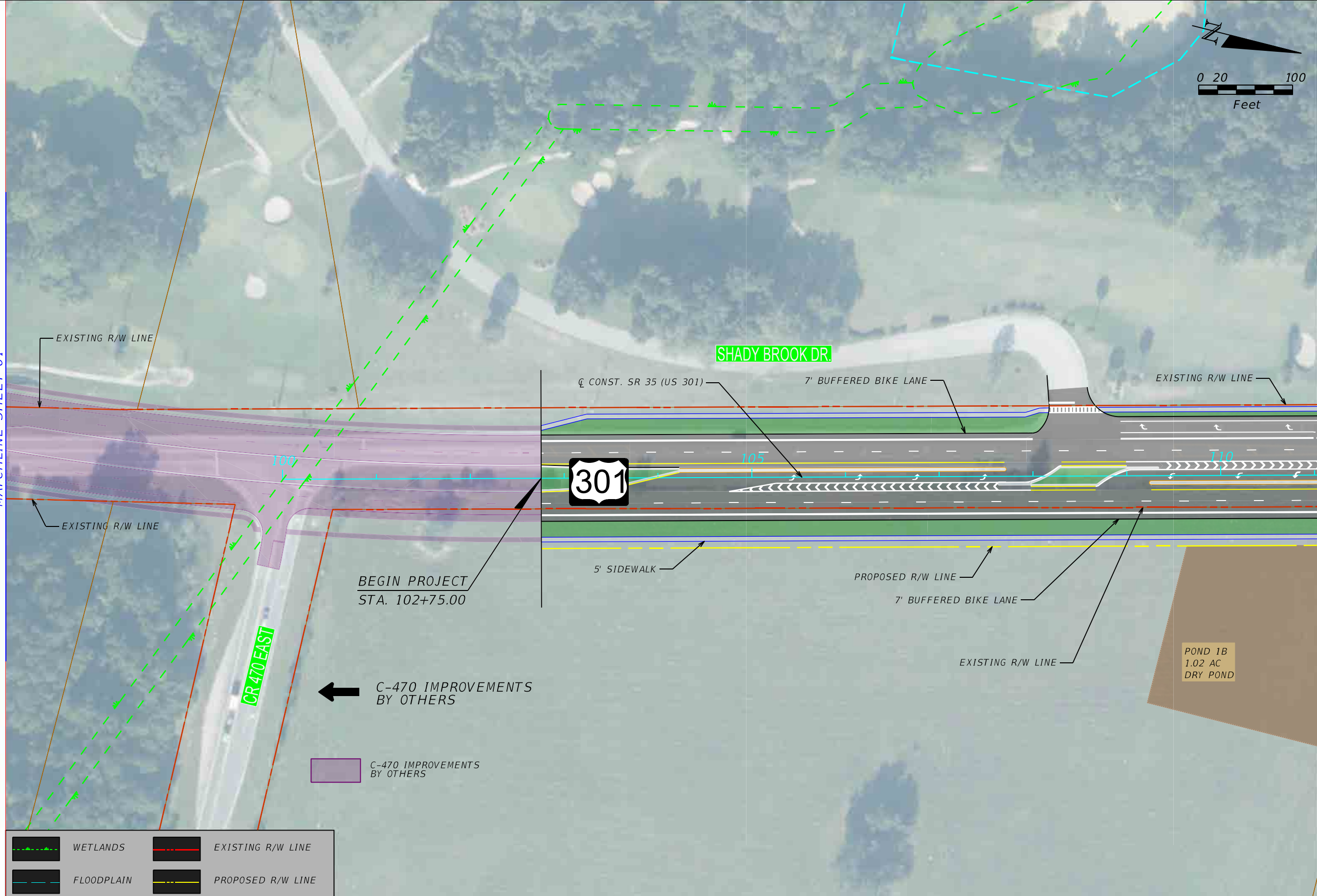
 C-470 IMPROVEMENTS BY OTHERS

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1
				SR 35	SUMTER	430132-1-22-01		



MATCHLINE SHEET 01

MATCHLINE SHEET 03



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

BEGIN PROJECT
STA. 102+75.00

← C-470 IMPROVEMENTS
BY OTHERS

C-470 IMPROVEMENTS
BY OTHERS

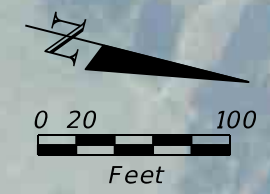
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

<p>US 301 PD&E STUDY RECOMMENDED ALTERNATIVE</p>
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SHEET NO.
2



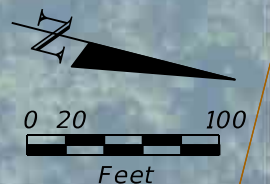
MATCHLINE SHEET 02

MATCHLINE SHEET 04



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		







MATCHLINE SHEET 03

MATCHLINE SHEET 05

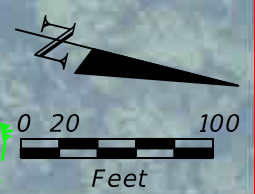


CURVE C-1 DATA
 PI STA. = 128+91.15
 DELTA = 3° 27' 05.90"
 D = 0° 33' 18.64"
 L = 622
 R = 10320
 PC STA. = 125+80.20
 PT STA. = 132+01.92
 e = NC

CURVE C-2 DATA
 PI STA. = 137+90.51
 DELTA = 4° 08' 16.18"
 D = 0° 40' 26.64"
 L = 614
 R = 8500
 PC STA. = 134+83.45
 PT STA. = 140+97.30
 e = NC

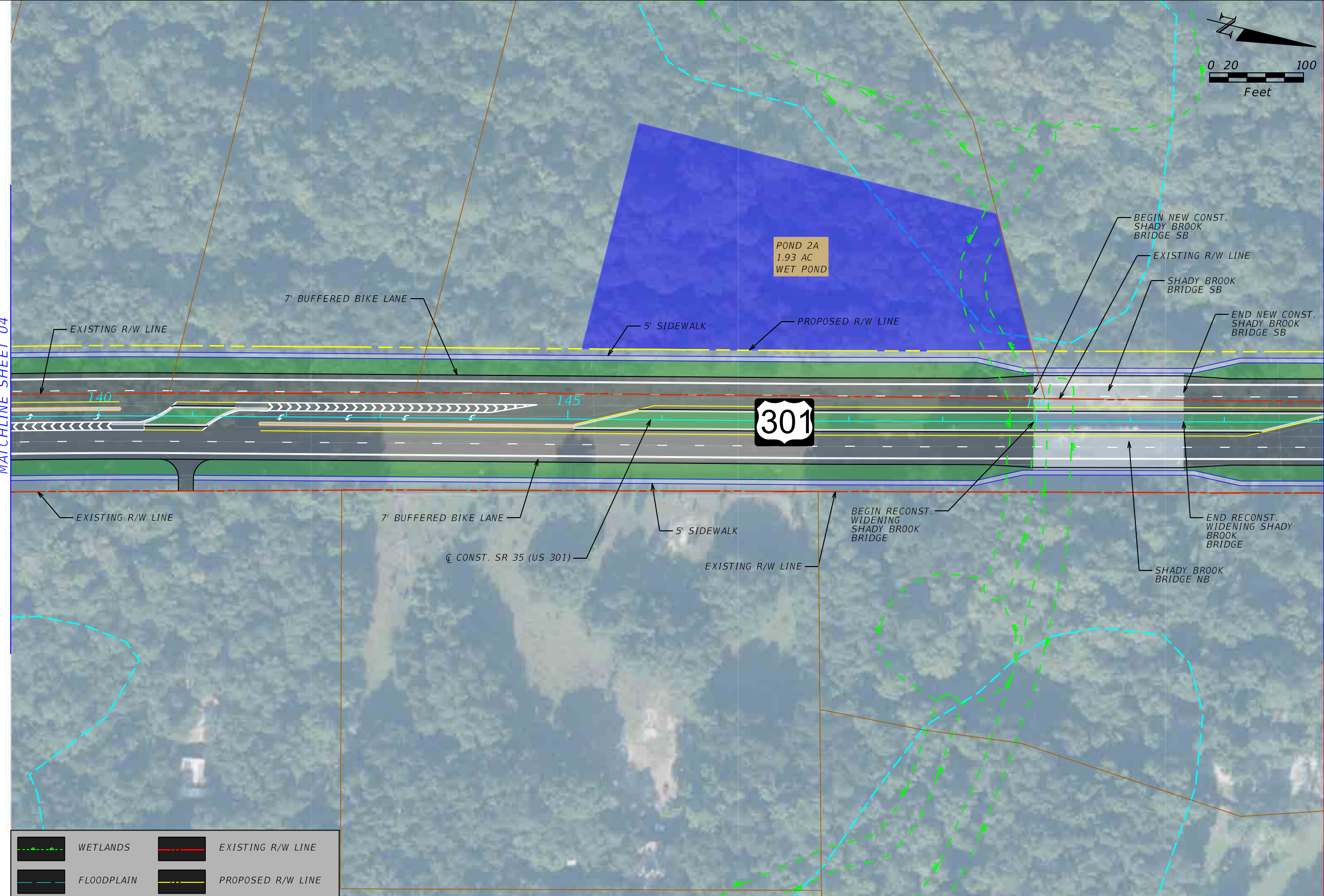
	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE





REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO. 4
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				SR 35	SUMTER	430132-1-22-01		



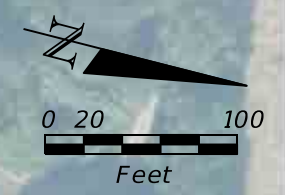
MATCHLINE SHEET 04

MATCHLINE SHEET 06



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	US 301 PD&E STUDY RECOMMENDED ALTERNATIVE			SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION					

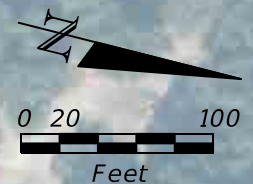


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

US 301 PD&E STUDY
RECOMMENDED ALTERNATIVE




SHEET NO.
6



MATCHLINE SHEET 06

MATCHLINE SHEET 08



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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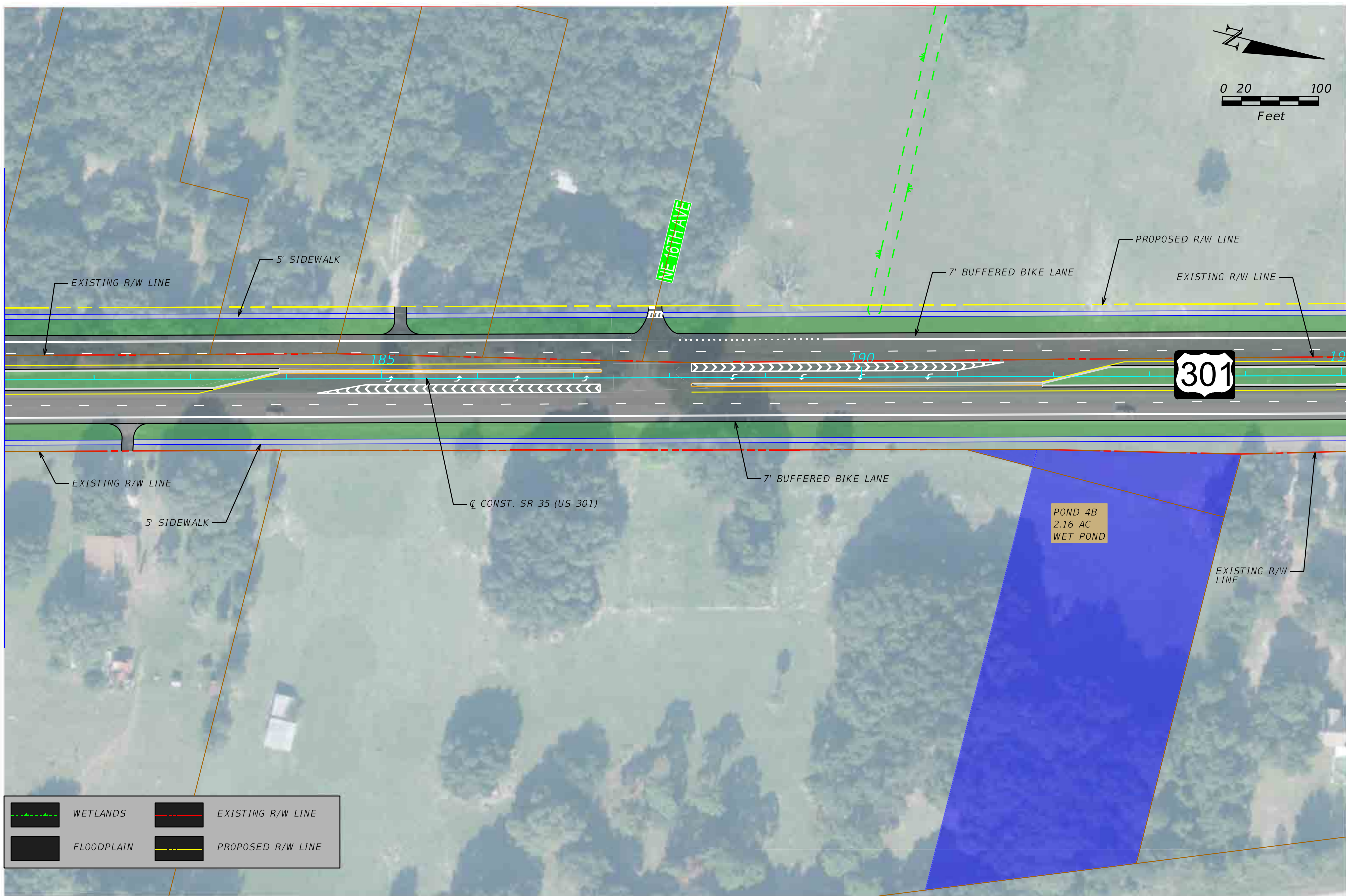
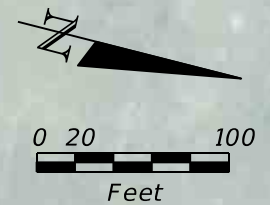
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

<p>US 301 PD&E STUDY RECOMMENDED ALTERNATIVE</p>
--

SHEET NO.
7

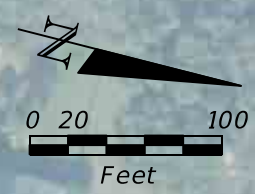
MATCHLINE SHEET 07

MATCHLINE SHEET 09



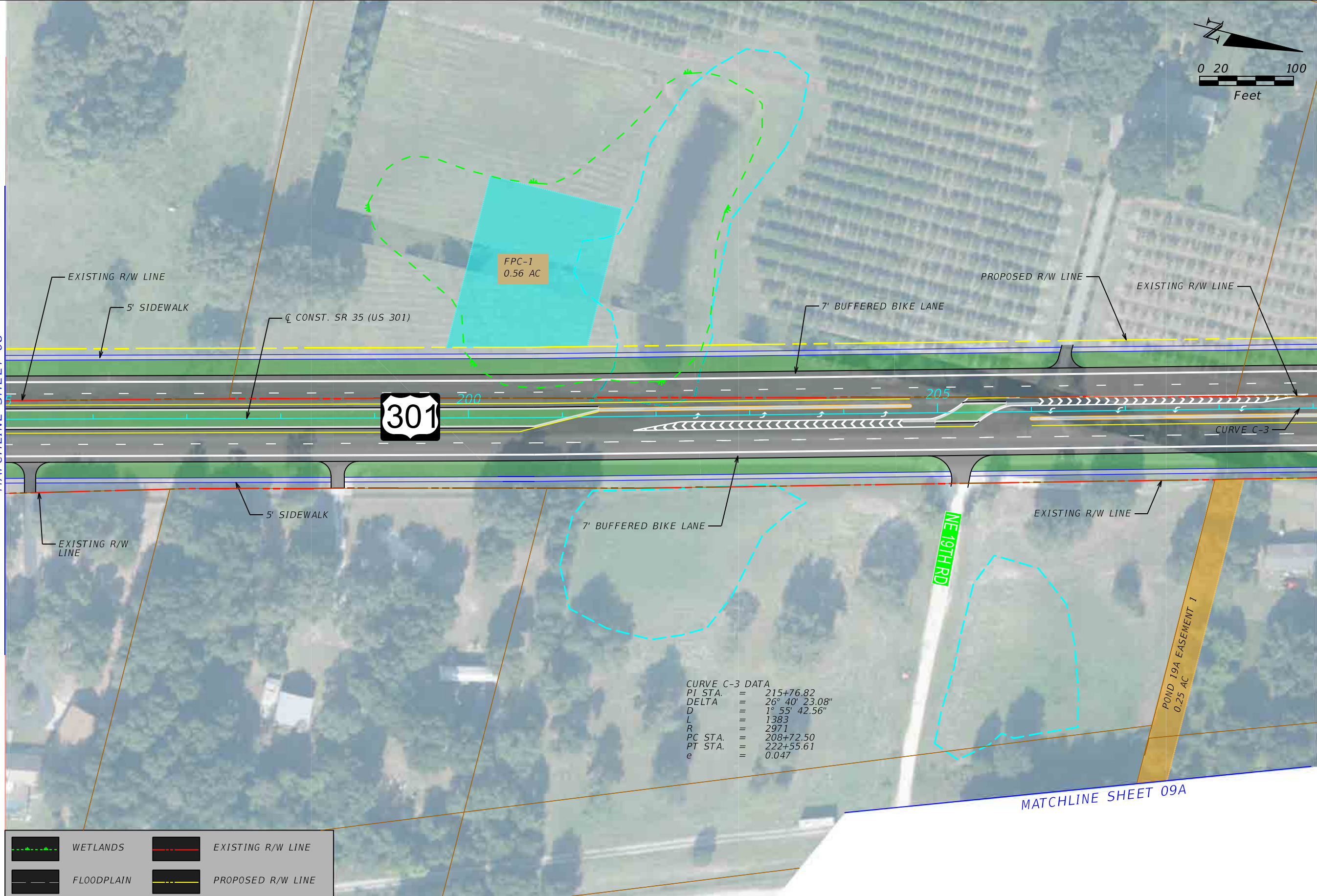
	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		8



MATCHLINE SHEET 08

MATCHLINE SHEET 10



CURVE C-3 DATA
 PI STA. = 215+76.82
 DELTA = 26° 40' 23.08"
 D = 1° 55' 42.56"
 L = 1383
 R = 2971
 PC STA. = 208+72.50
 PT STA. = 222+55.61
 e = 0.047

	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		



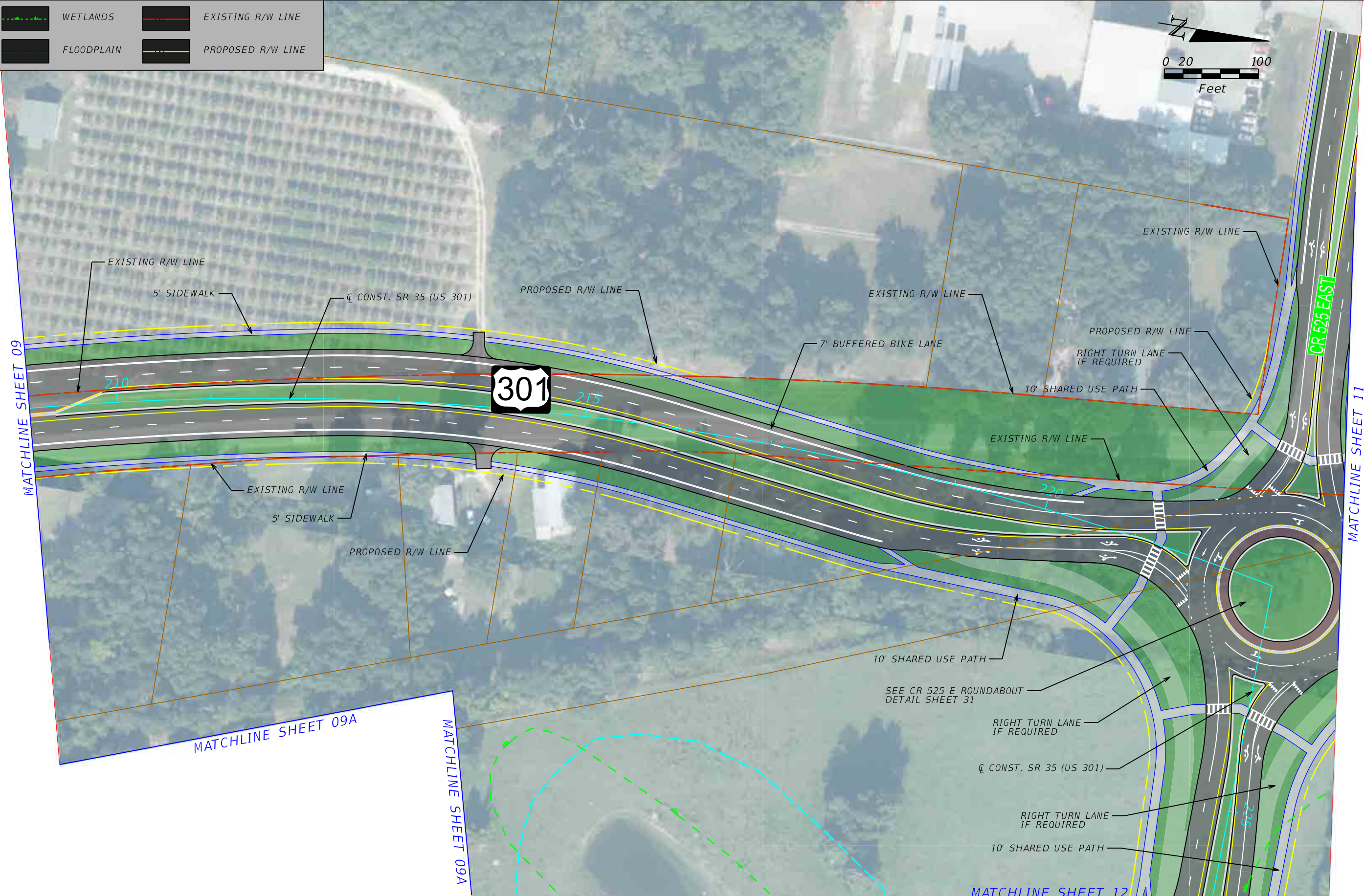
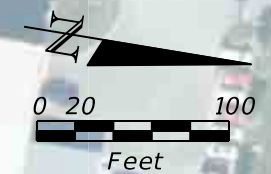
POND 19A
7.17 AC
WET POND

POND 19A EASEMENT 2
0.51 AC

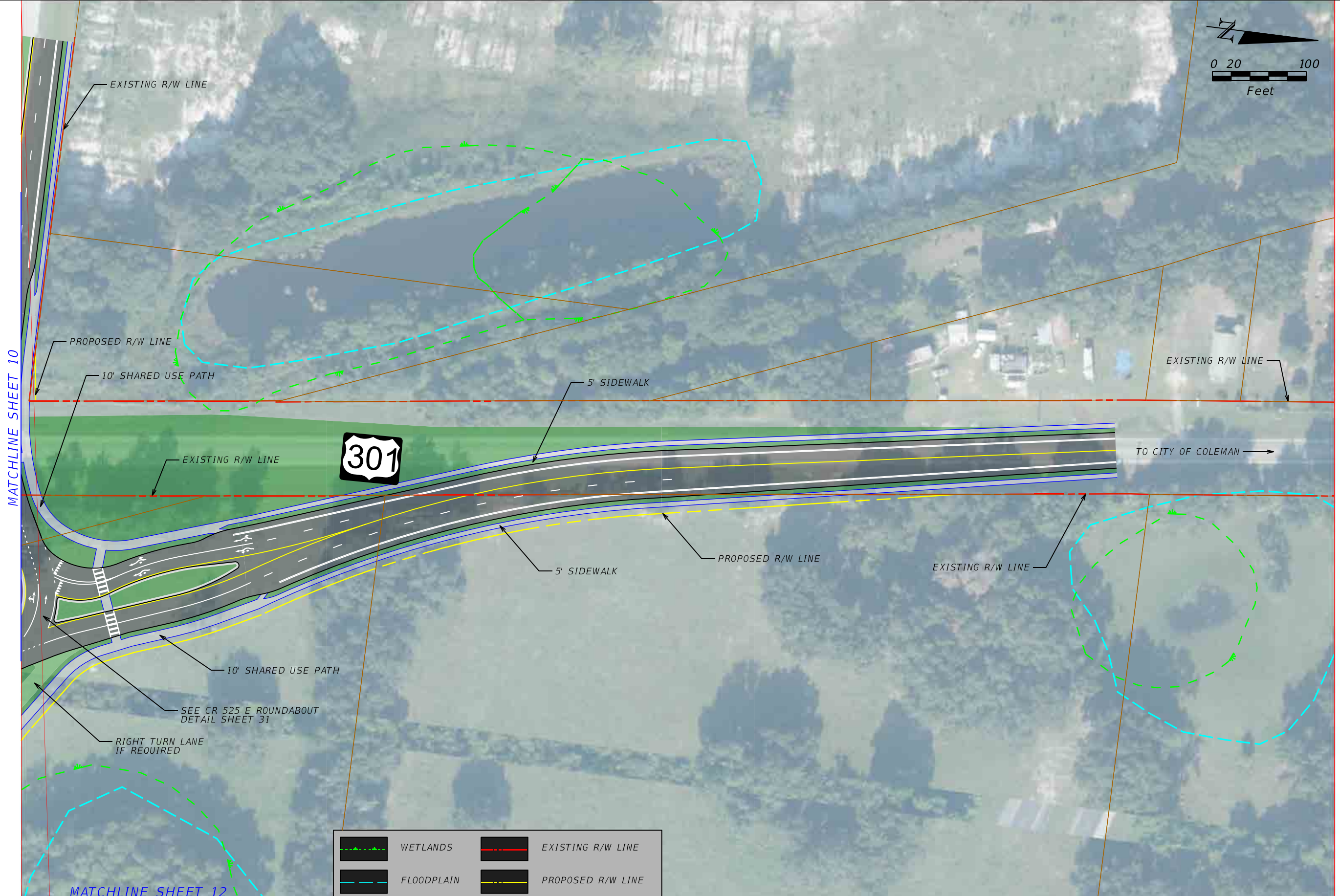
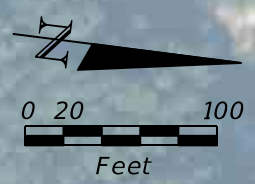
	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO. 9A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		

	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

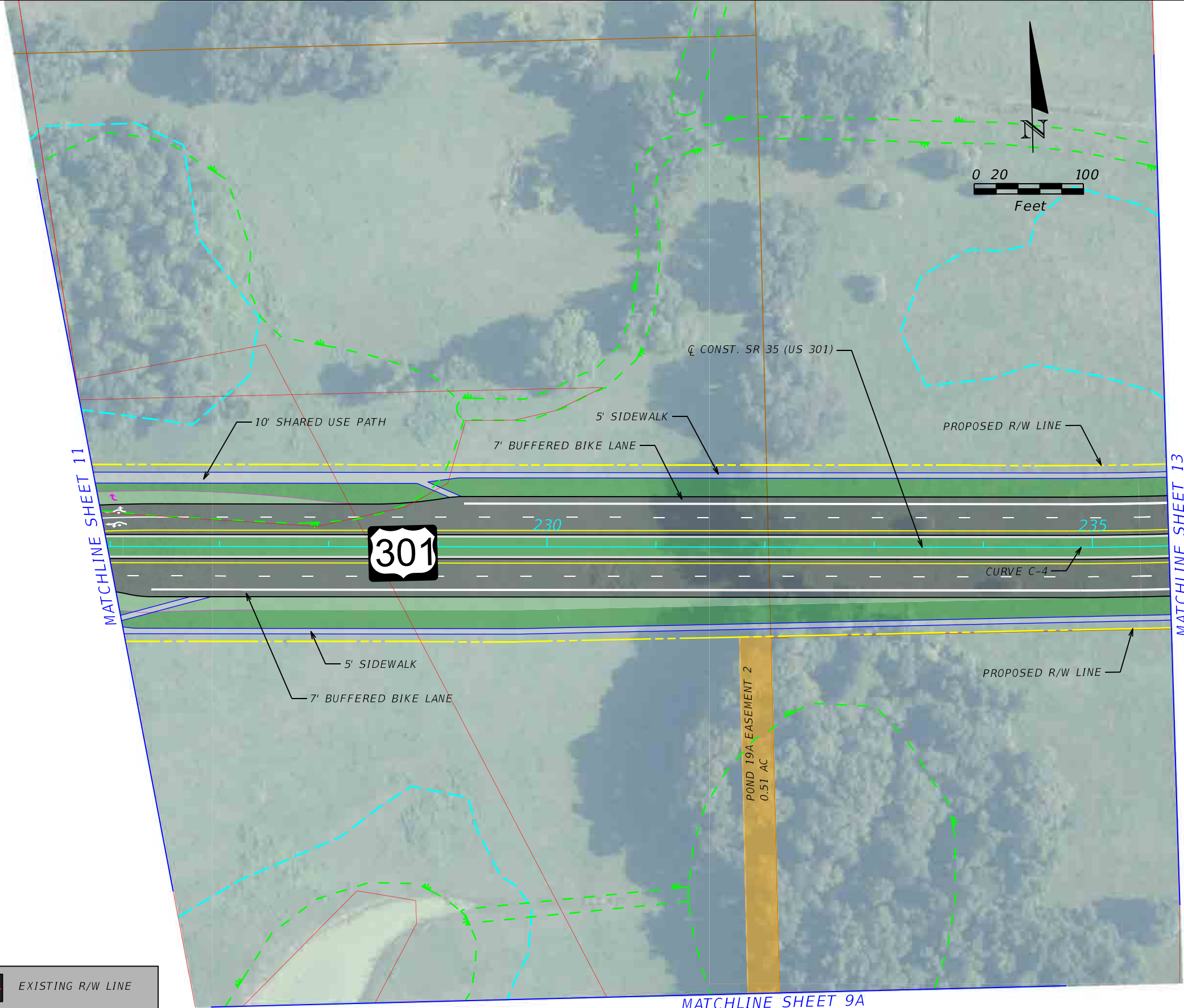


REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION			



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		11



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

US 301 PD&E STUDY RECOMMENDED ALTERNATIVE
--

SHEET NO.
12



POND 20C
1.88 AC
WET POND

301

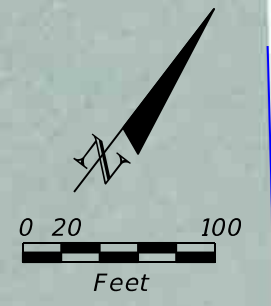
MATCHLINE SHEET 12

MATCHLINE SHEET 14

0 20 100
Feet

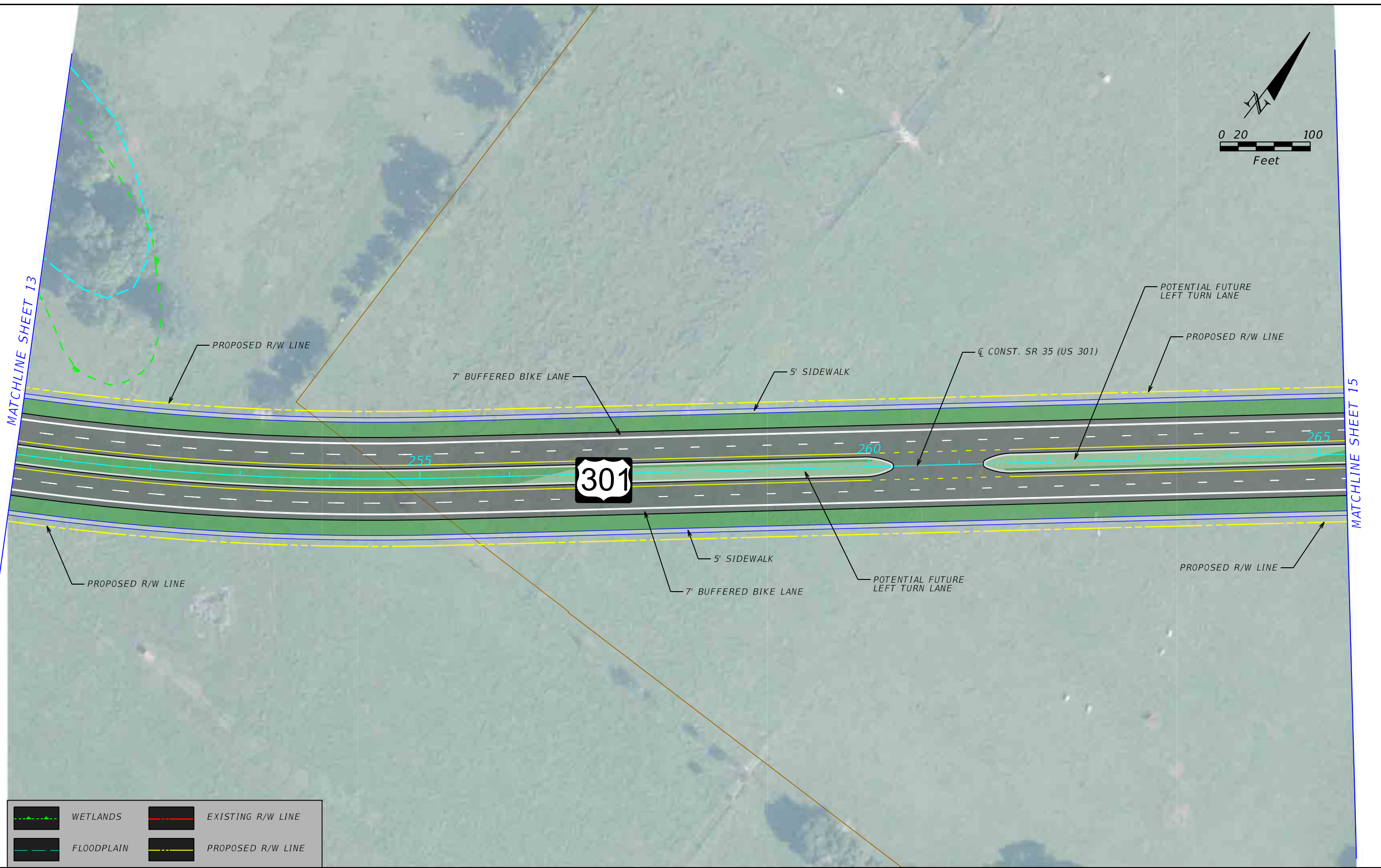
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	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		



MATCHLINE SHEET 13

MATCHLINE SHEET 15



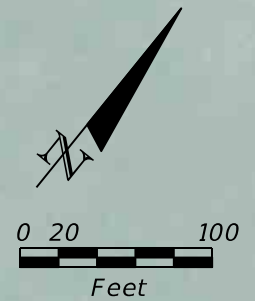
	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

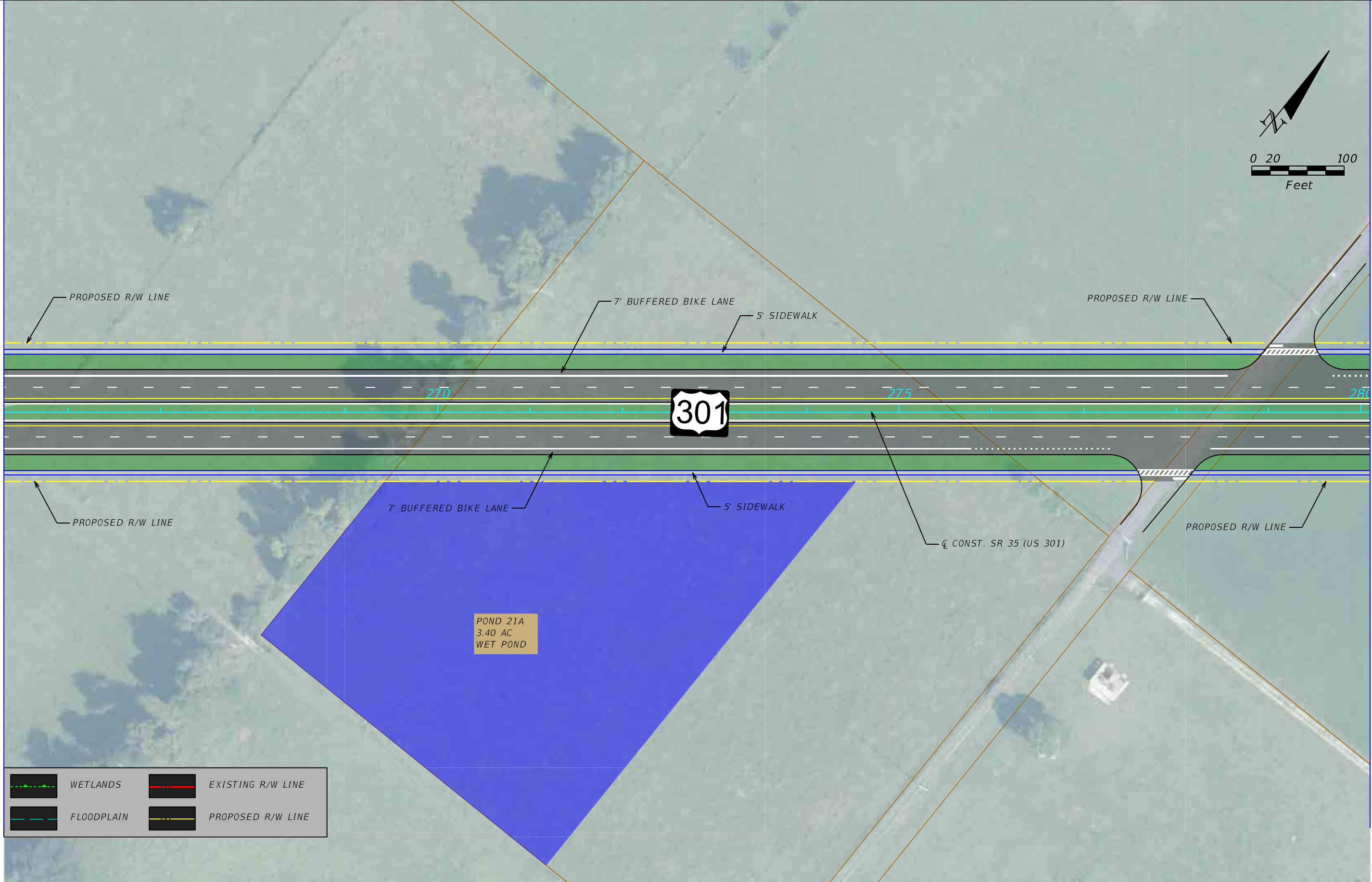
US 301 PD&E STUDY
RECOMMENDED ALTERNATIVE

SHEET NO.
14



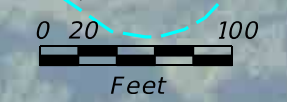
MATCHLINE SHEET 14

MATCHLINE SHEET 16



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		15



POND 22C
2.91 AC
WET POND

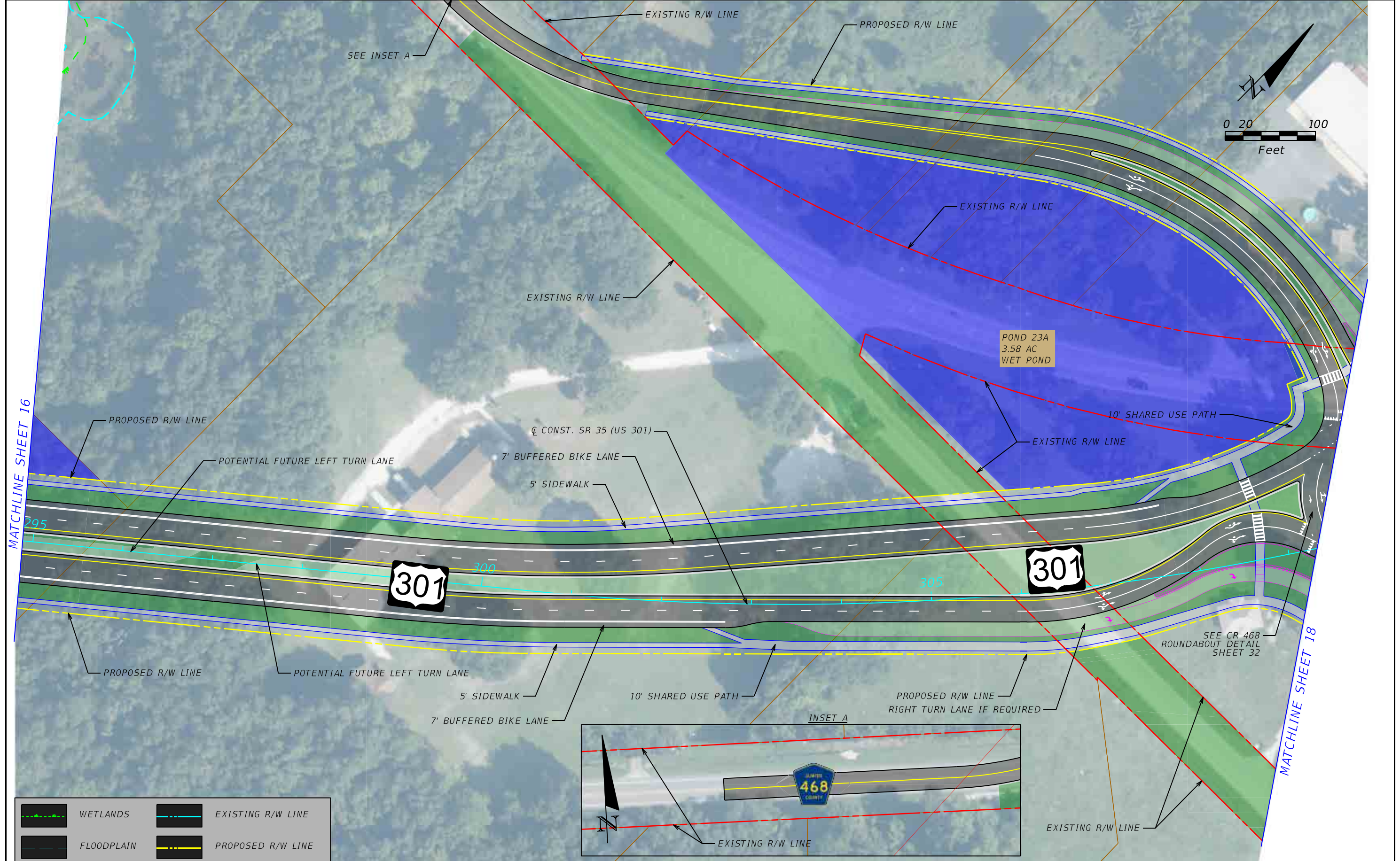
MATCHLINE SHEET 15

MATCHLINE SHEET 17



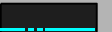
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	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS					STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 35	SUMTER		430132-1-22-01



MATCHLINE SHEET 16

MATCHLINE SHEET 18

	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

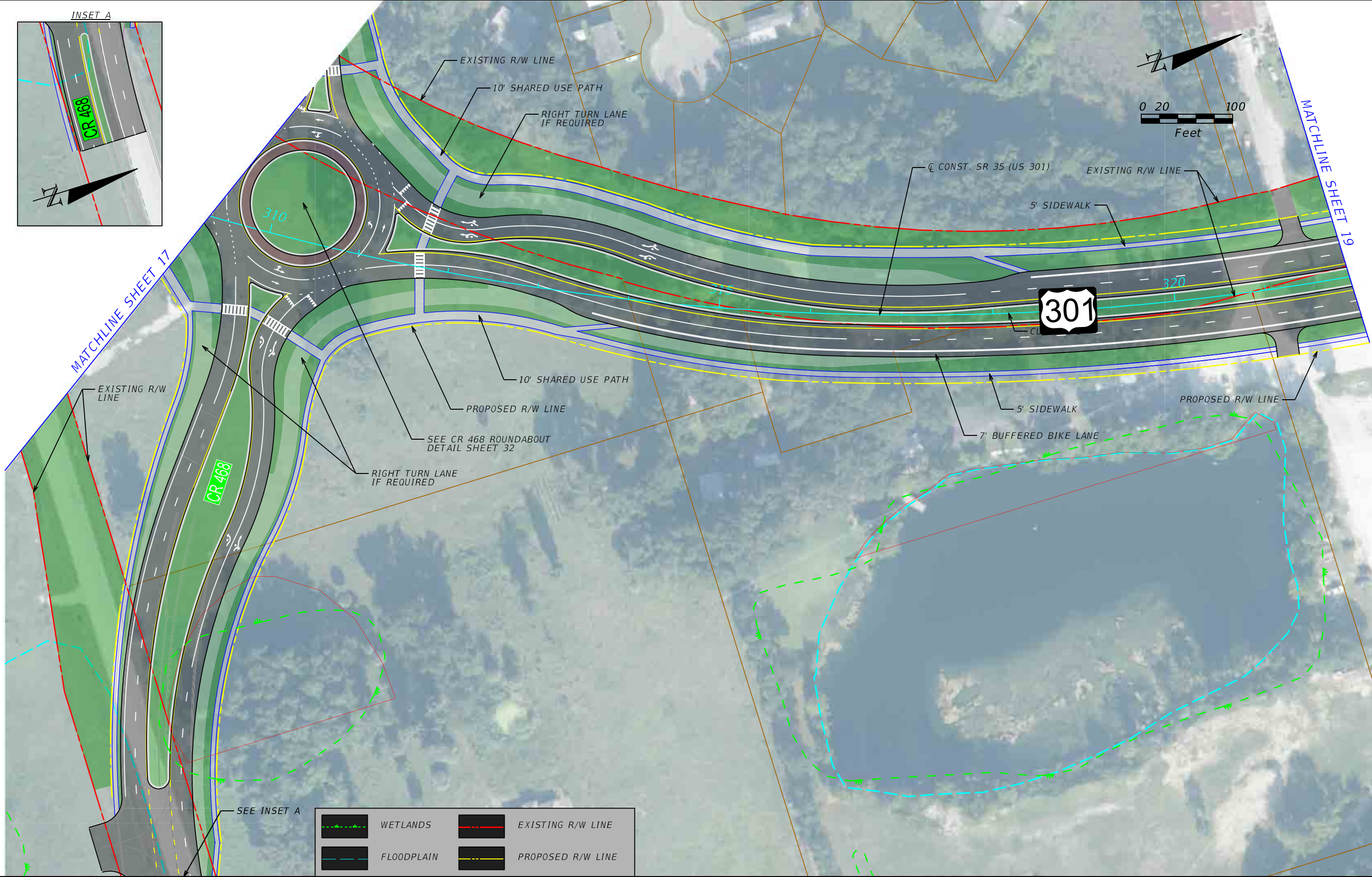
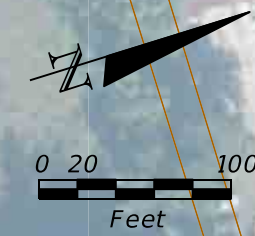
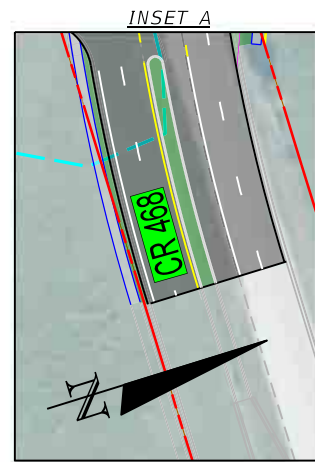
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

US 301 PD&E STUDY
RECOMMENDED ALTERNATIVE

SHEET NO.
17



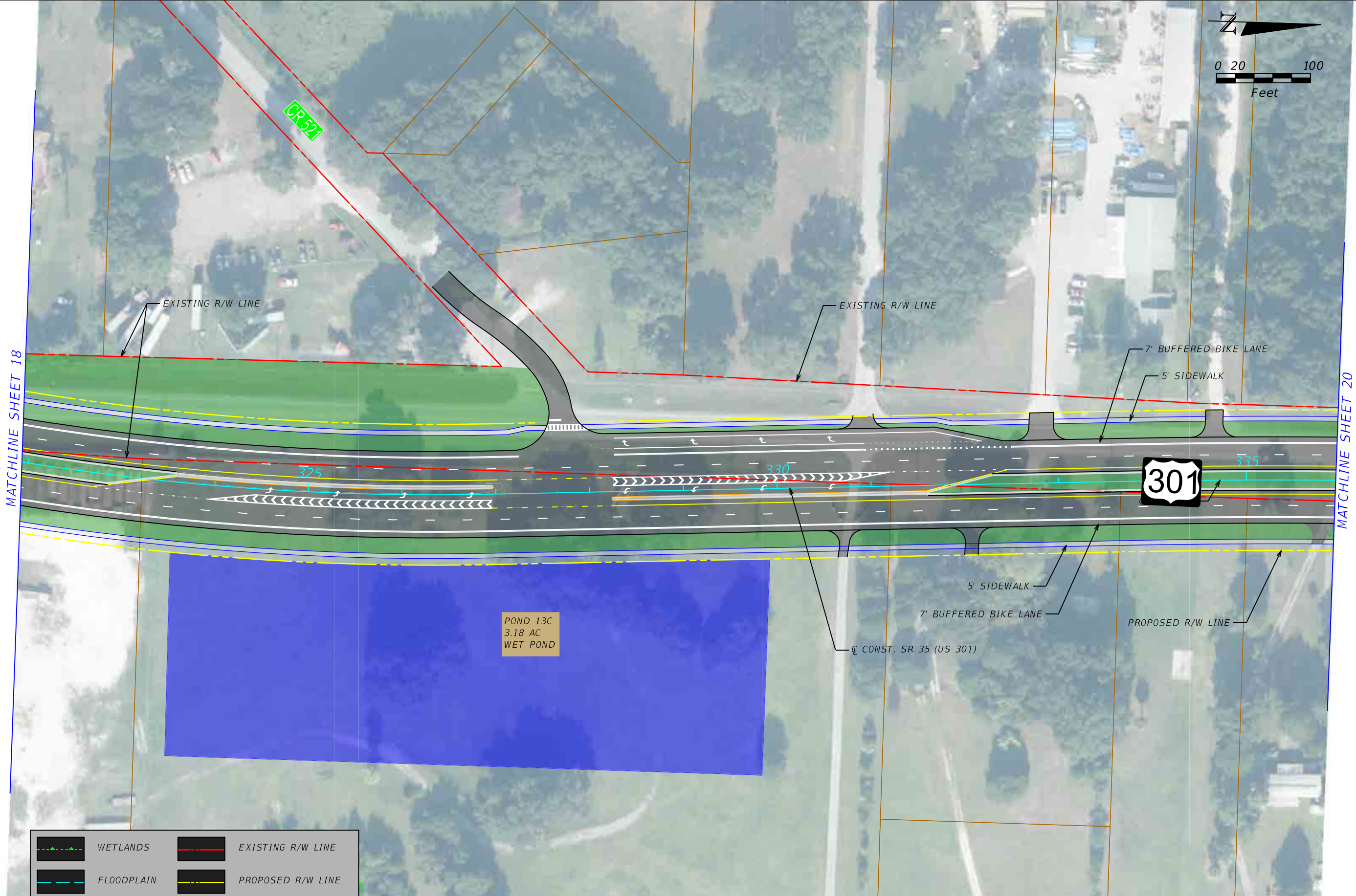
	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

US 301 PD&E STUDY
RECOMMENDED ALTERNATIVE

SHEET NO.
18



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

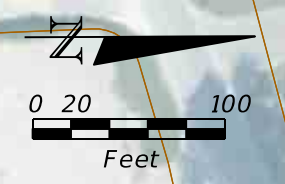
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

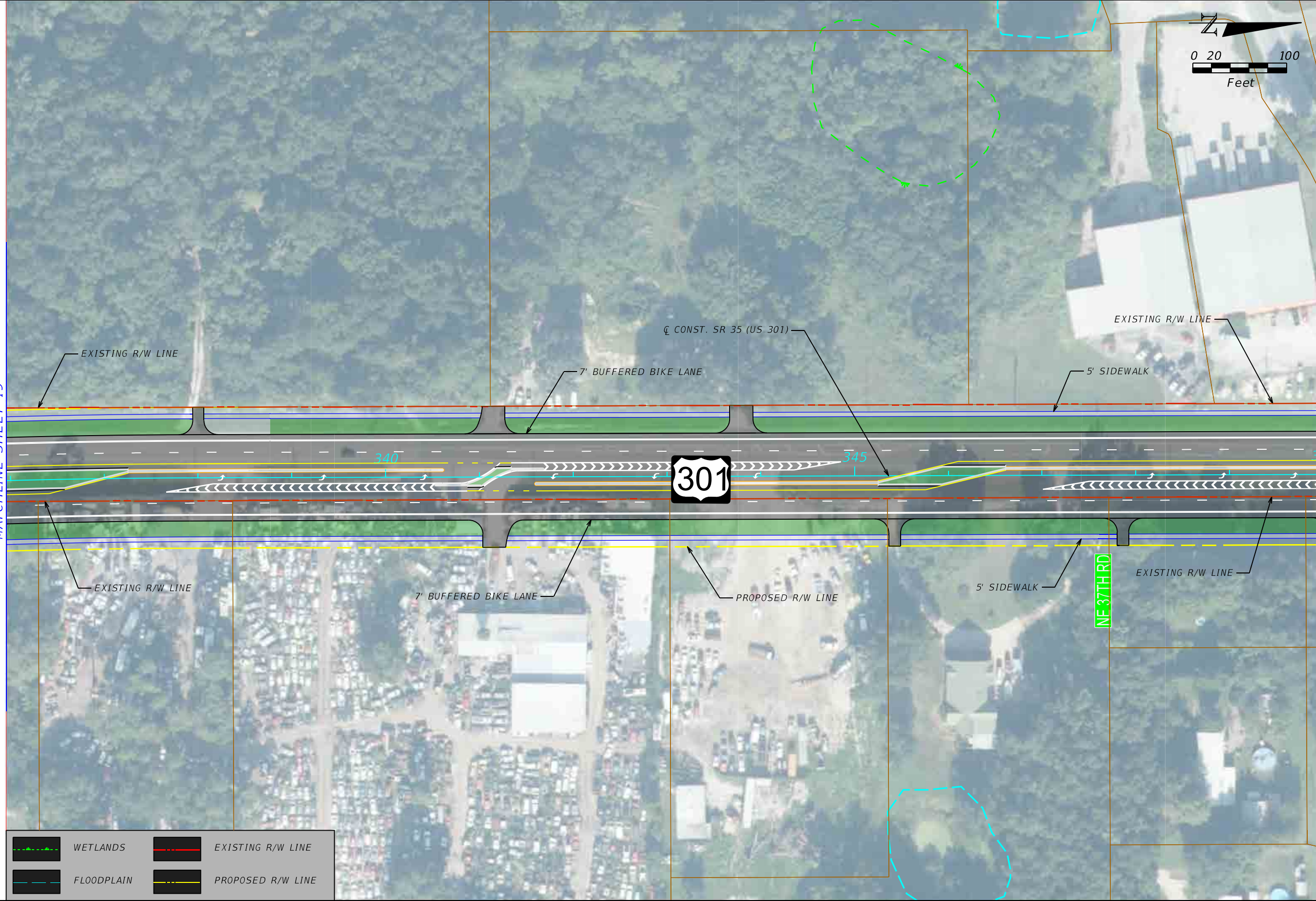
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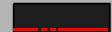

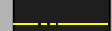
SHEET NO. 19



MATCHLINE SHEET 19

MATCHLINE SHEET 21



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

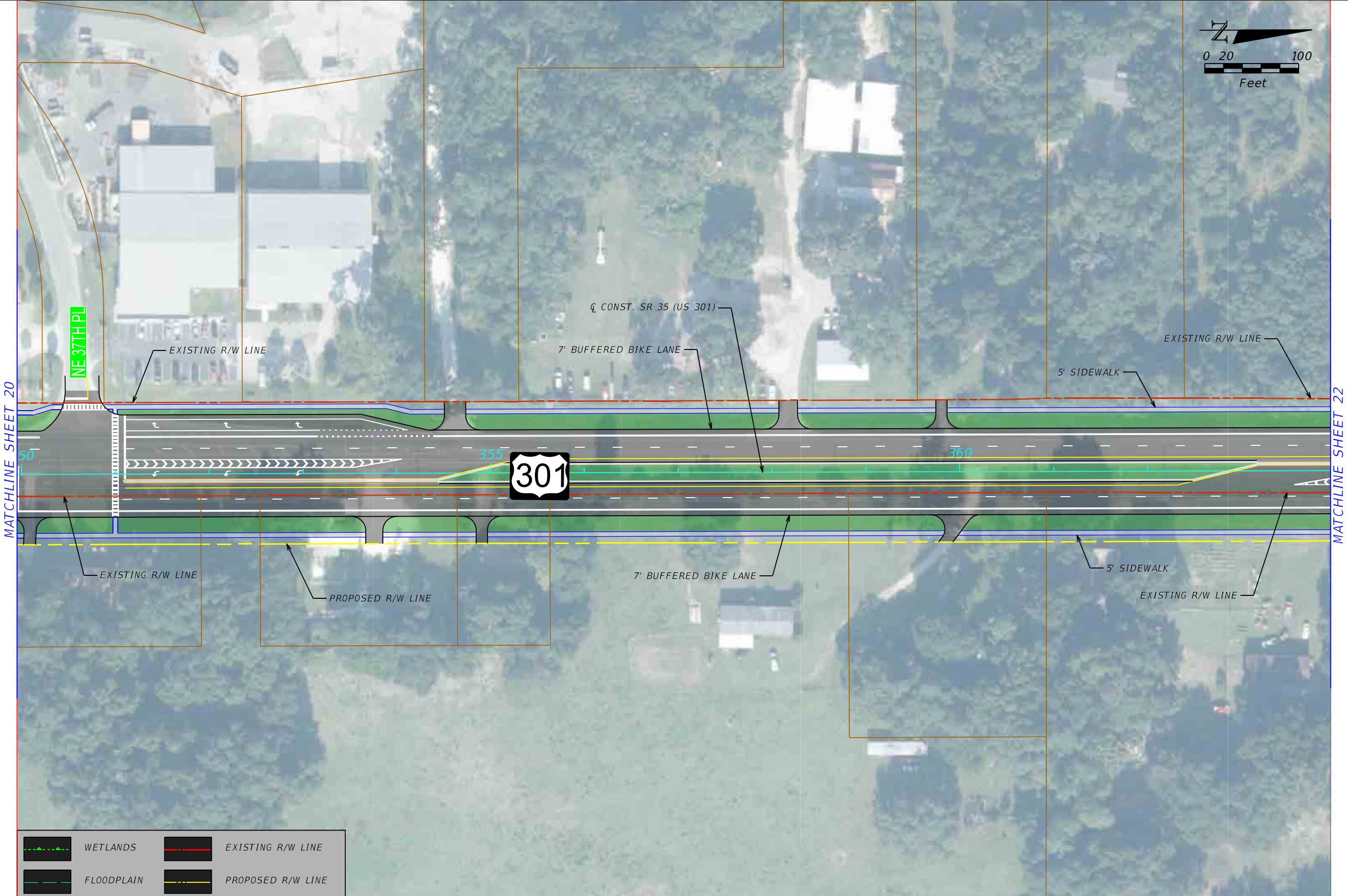
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

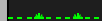


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SHEET NO.
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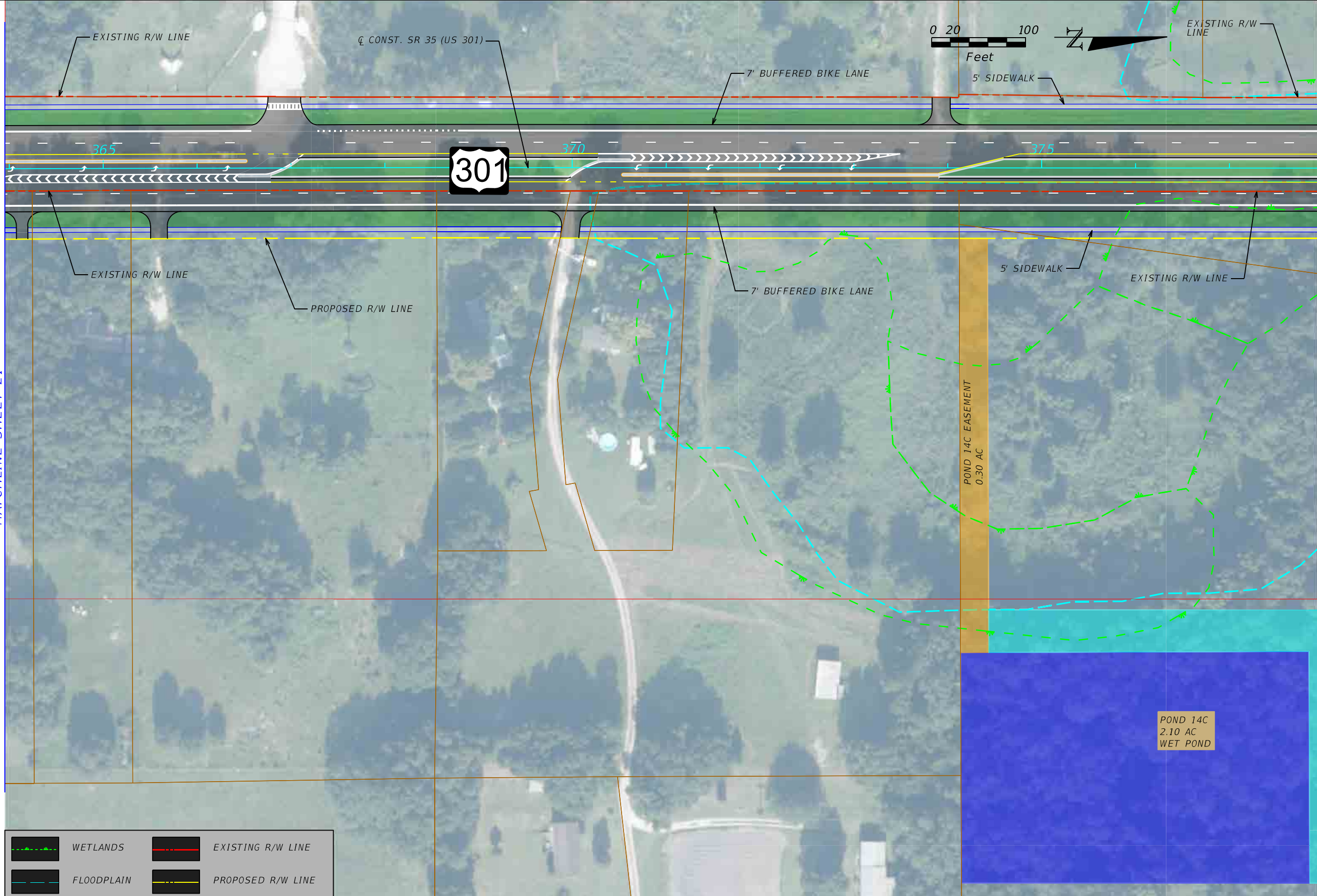


MATCHLINE SHEET 20

MATCHLINE SHEET 22

	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		21
				SR 35	SUMTER	430132-1-22-01		



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

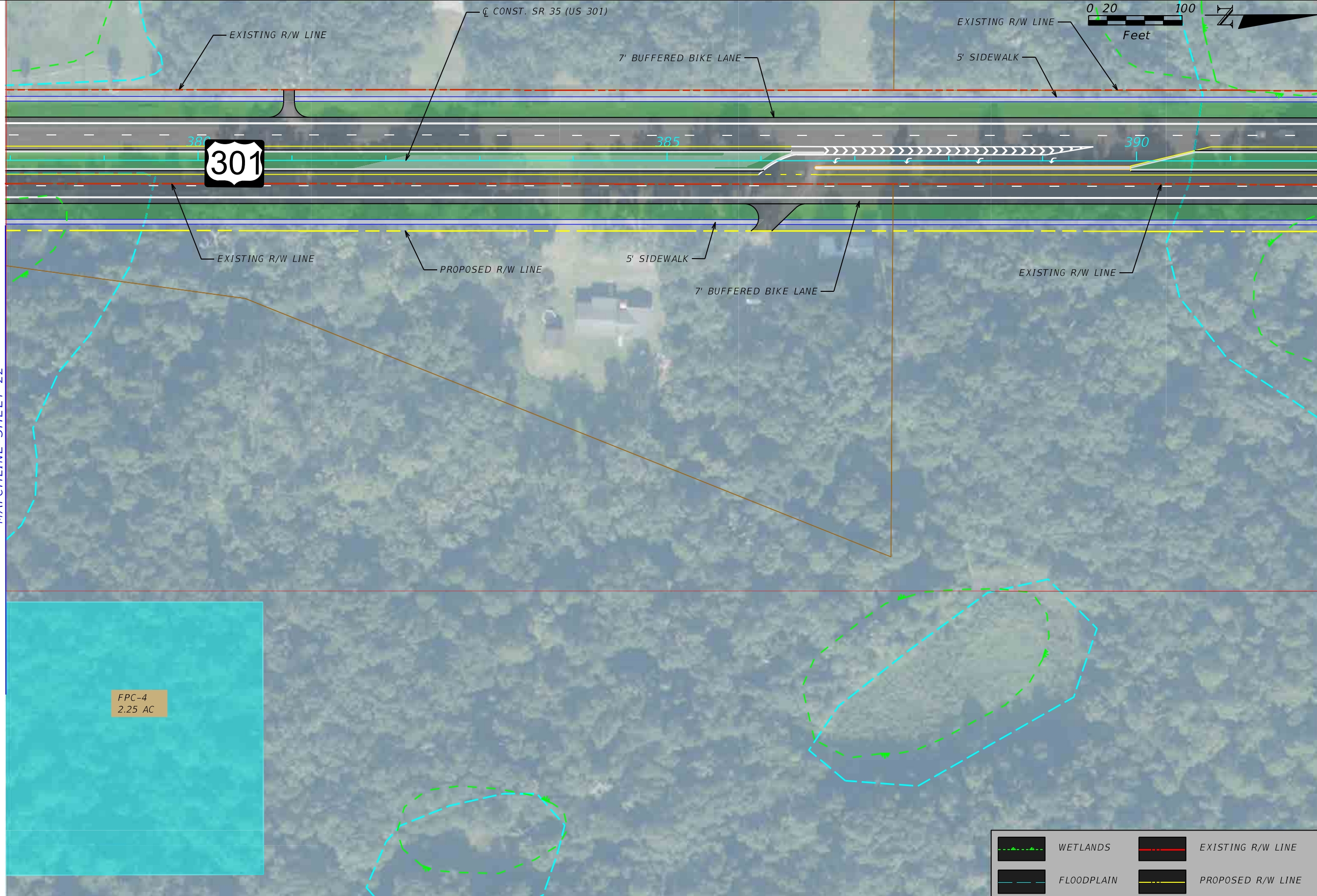
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

US 301 PD&E STUDY RECOMMENDED ALTERNATIVE
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SHEET NO.
22



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

<p>US 301 PD&E STUDY RECOMMENDED ALTERNATIVE</p>	<p>SHEET NO. 23</p>
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POND 15B
1.60 AC
WET POND



MATCHLINE SHEET 23

MATCHLINE SHEET 25

	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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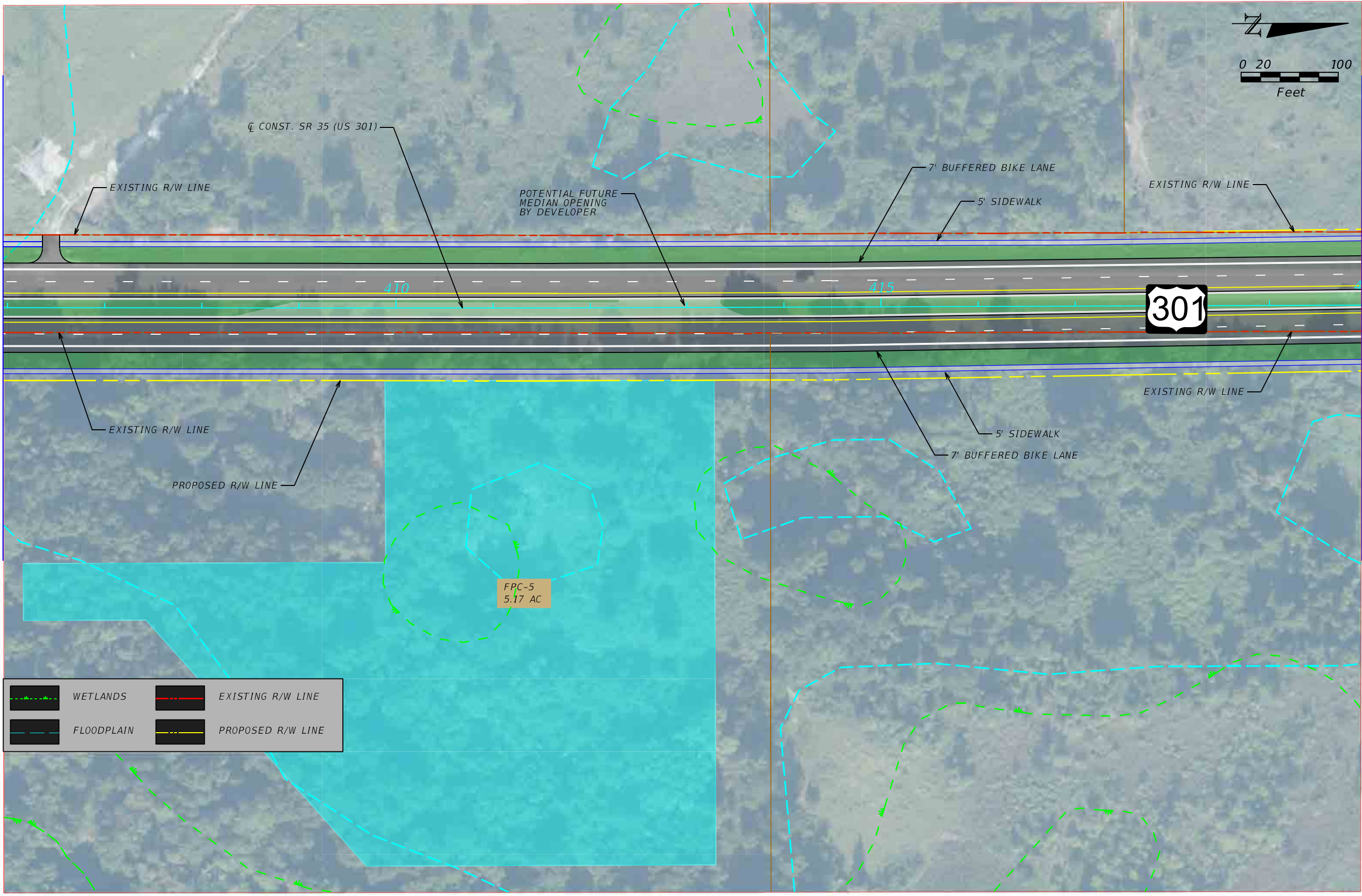
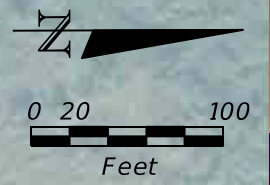
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

<p>US 301 PD&E STUDY RECOMMENDED ALTERNATIVE</p>
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SHEET NO.
24

MATCHLINE SHEET 24

MATCHLINE SHEET 26



CL CONST. SR 35 (US 301)

EXISTING R/W LINE

POTENTIAL FUTURE
MEDIAN OPENING
BY DEVELOPER

7' BUFFERED BIKE LANE

5' SIDEWALK

EXISTING R/W LINE

470

415



EXISTING R/W LINE

PROPOSED R/W LINE

5' SIDEWALK

7' BUFFERED BIKE LANE

EXISTING R/W LINE

FPC-5
5.17 AC

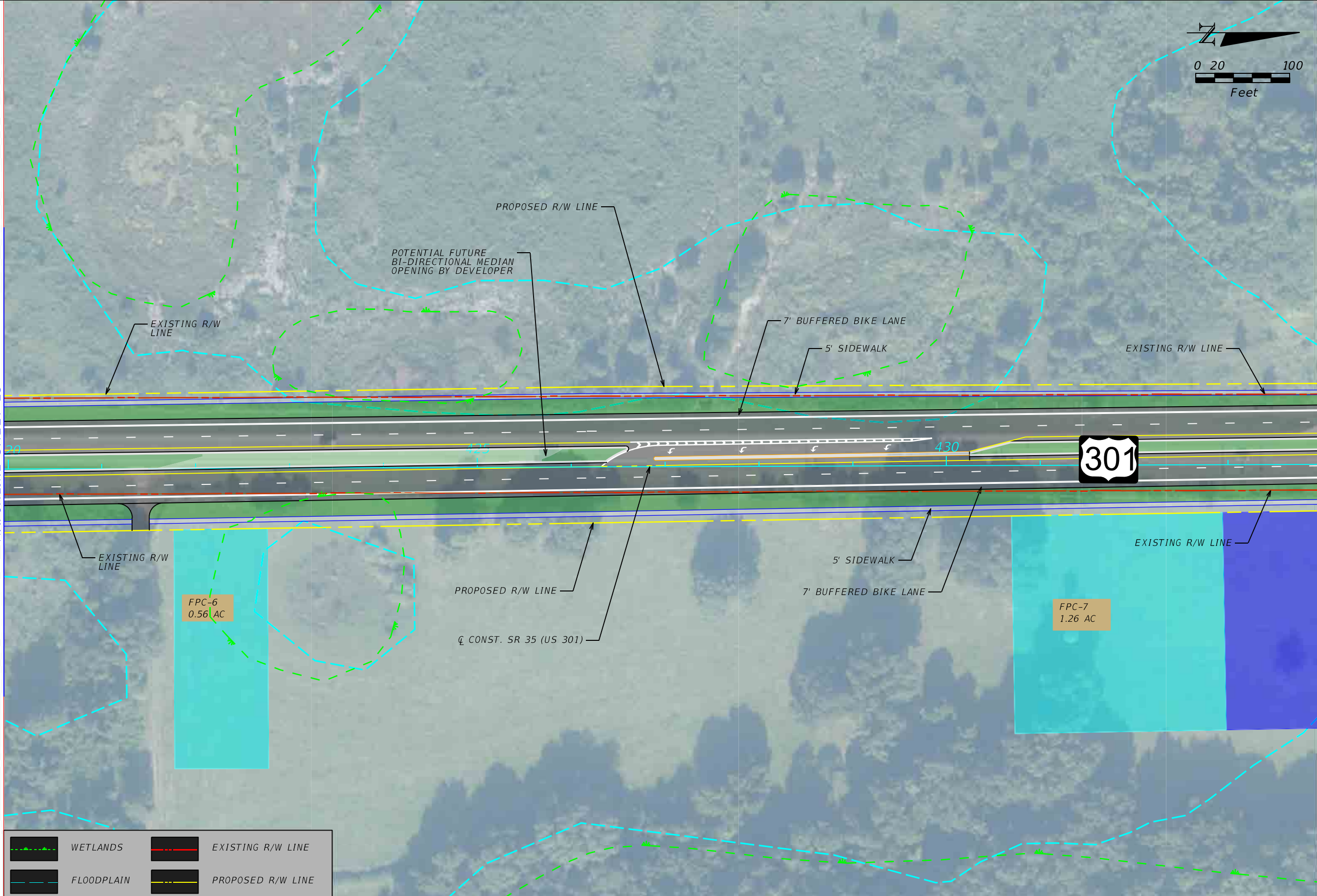
	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	US 301 PD&E STUDY RECOMMENDED ALTERNATIVE		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				
							ROAD NO.
				SR 35	SUMTER	430132-1-22-01	



MATCHLINE SHEET 25

MATCHLINE SHEET 27



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

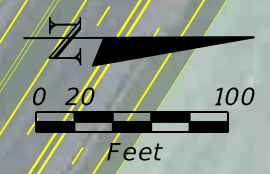
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

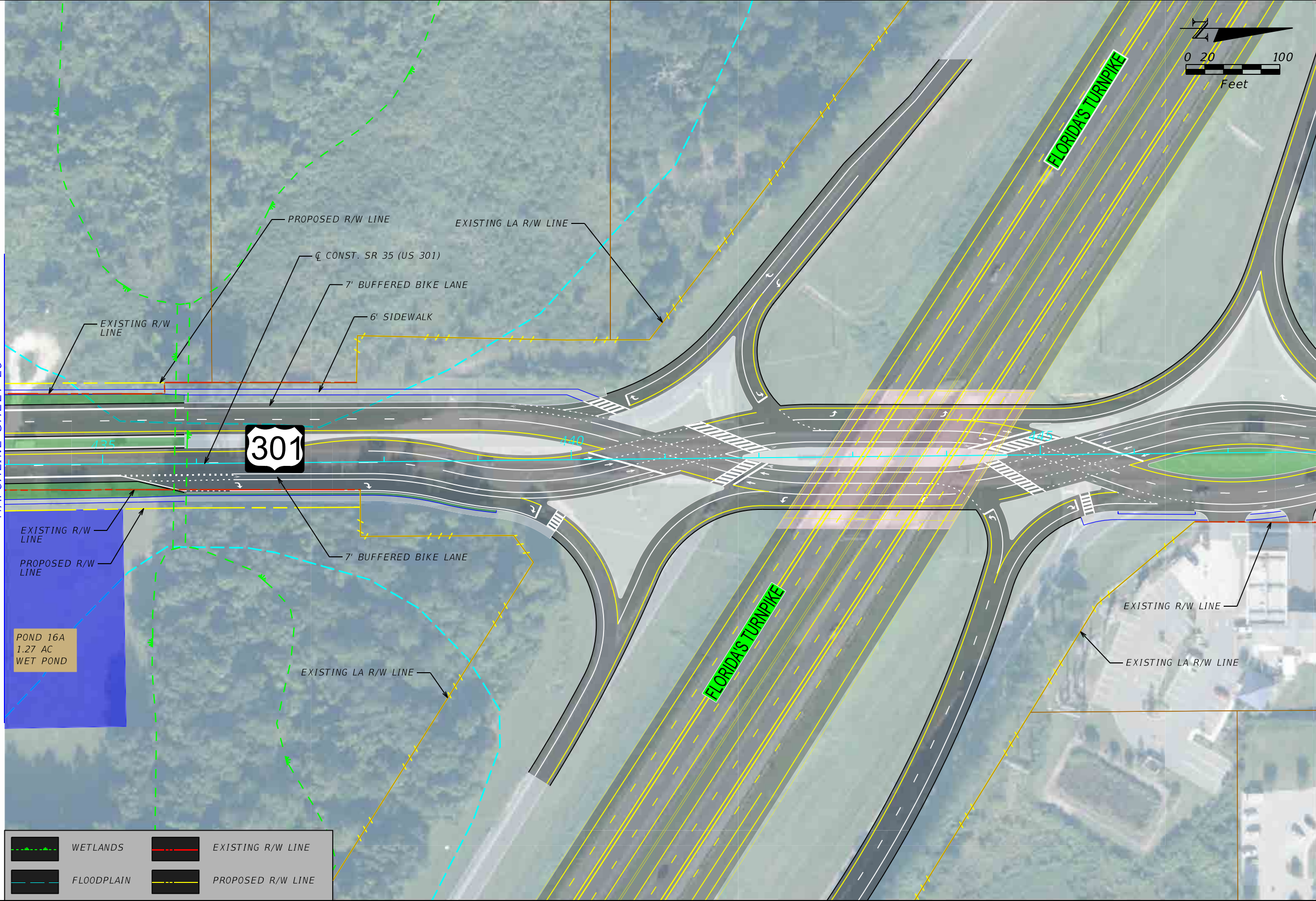
<p>US 301 PD&E STUDY RECOMMENDED ALTERNATIVE</p>
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SHEET NO.
26



MATCHLINE SHEET 26

MATCHLINE SHEET 28



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

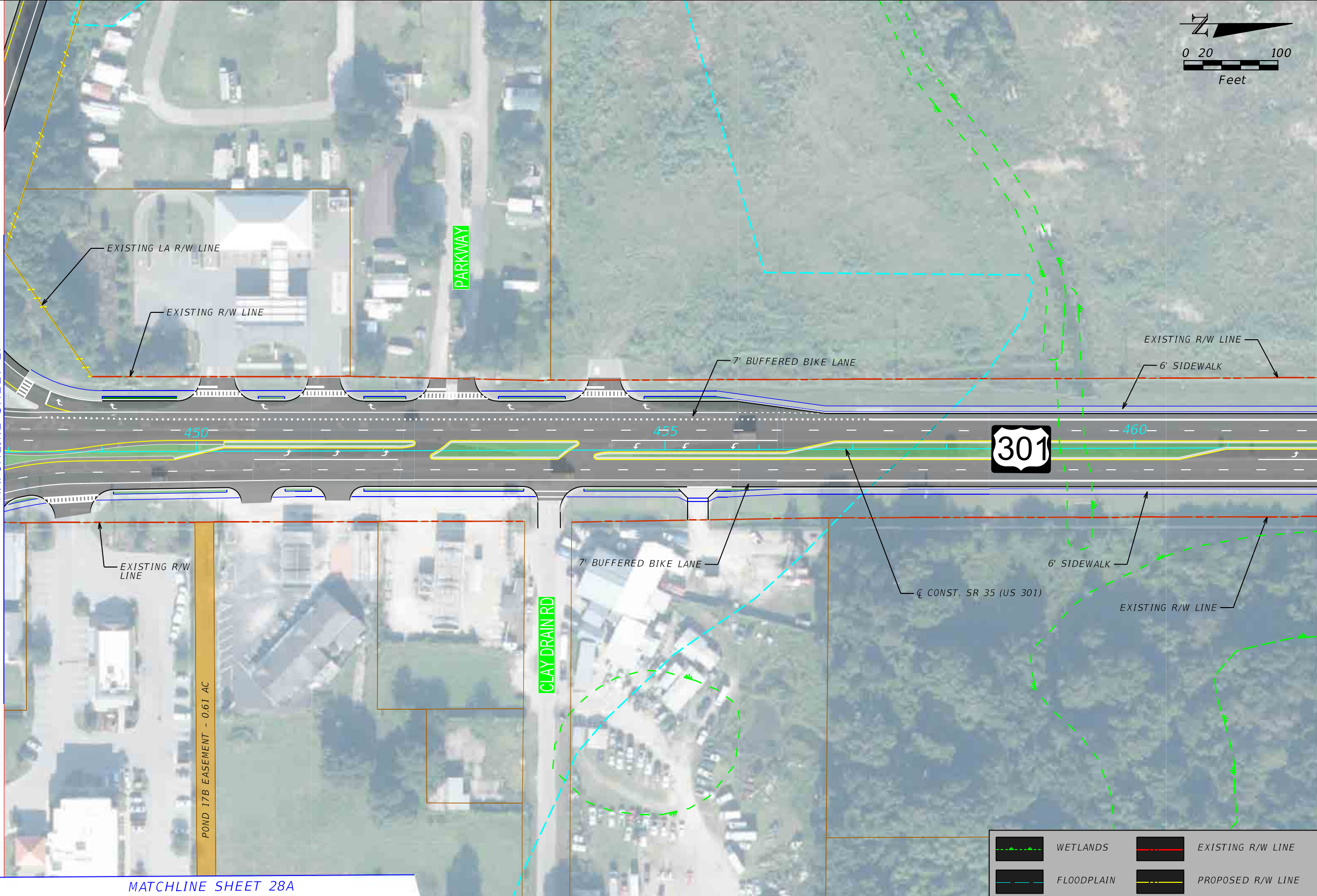
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SHEET NO.
27



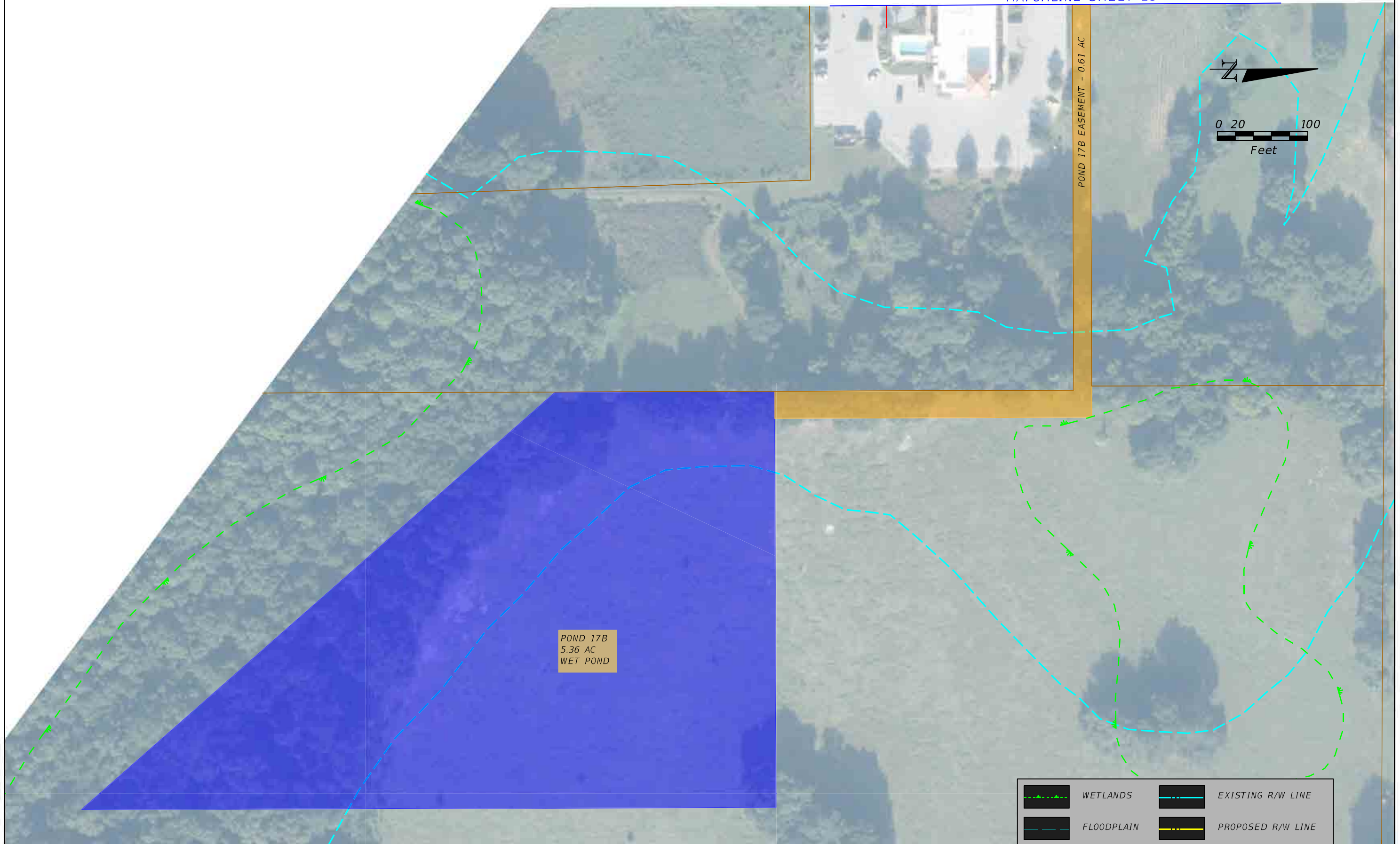
MATCHLINE SHEET 27

MATCHLINE SHEET 29



MATCHLINE SHEET 28A

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		



POND 17B
5.36 AC
WET POND

	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

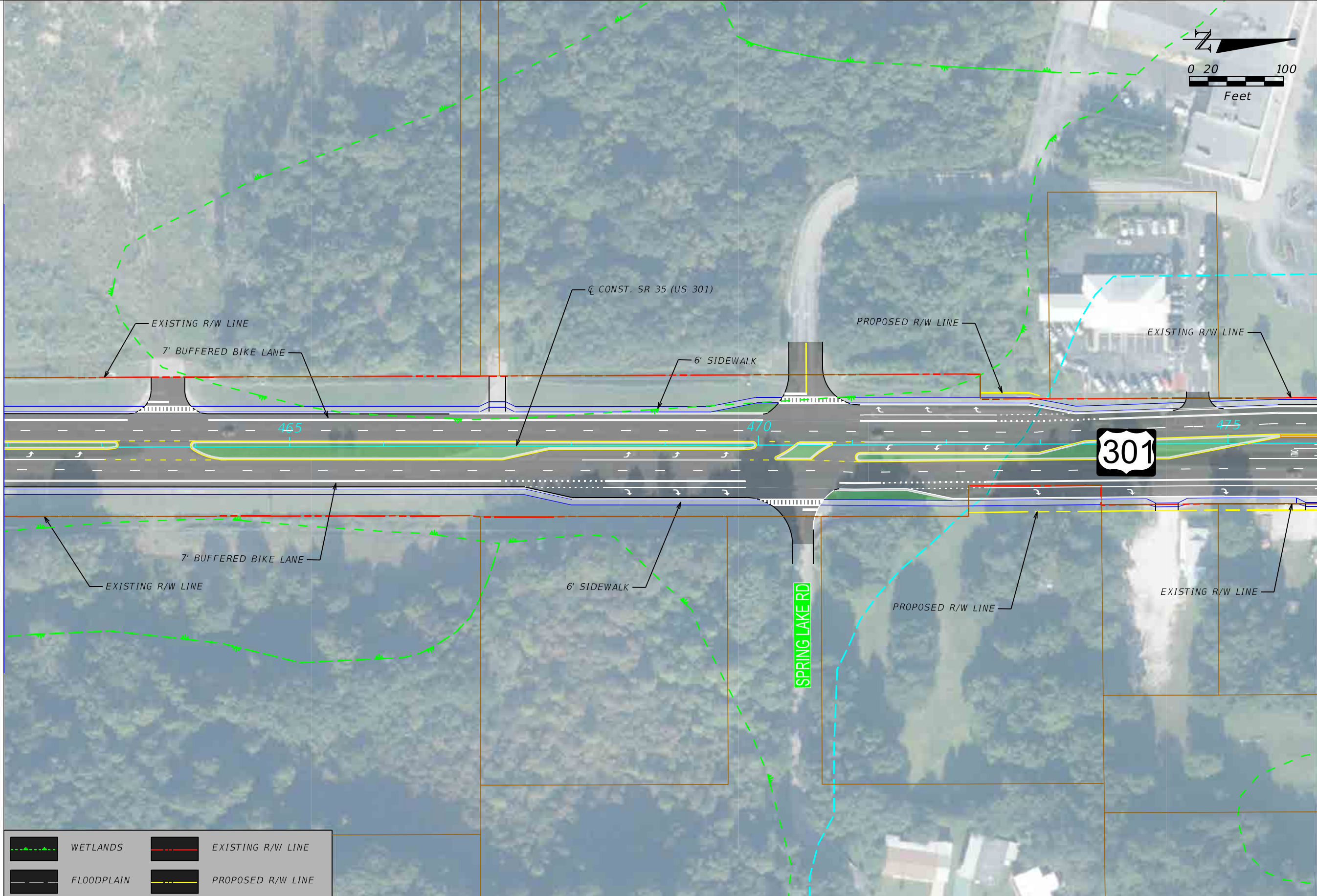
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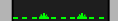

SHEET NO.
28A



MATCHLINE SHEET 28

MATCHLINE SHEET 30



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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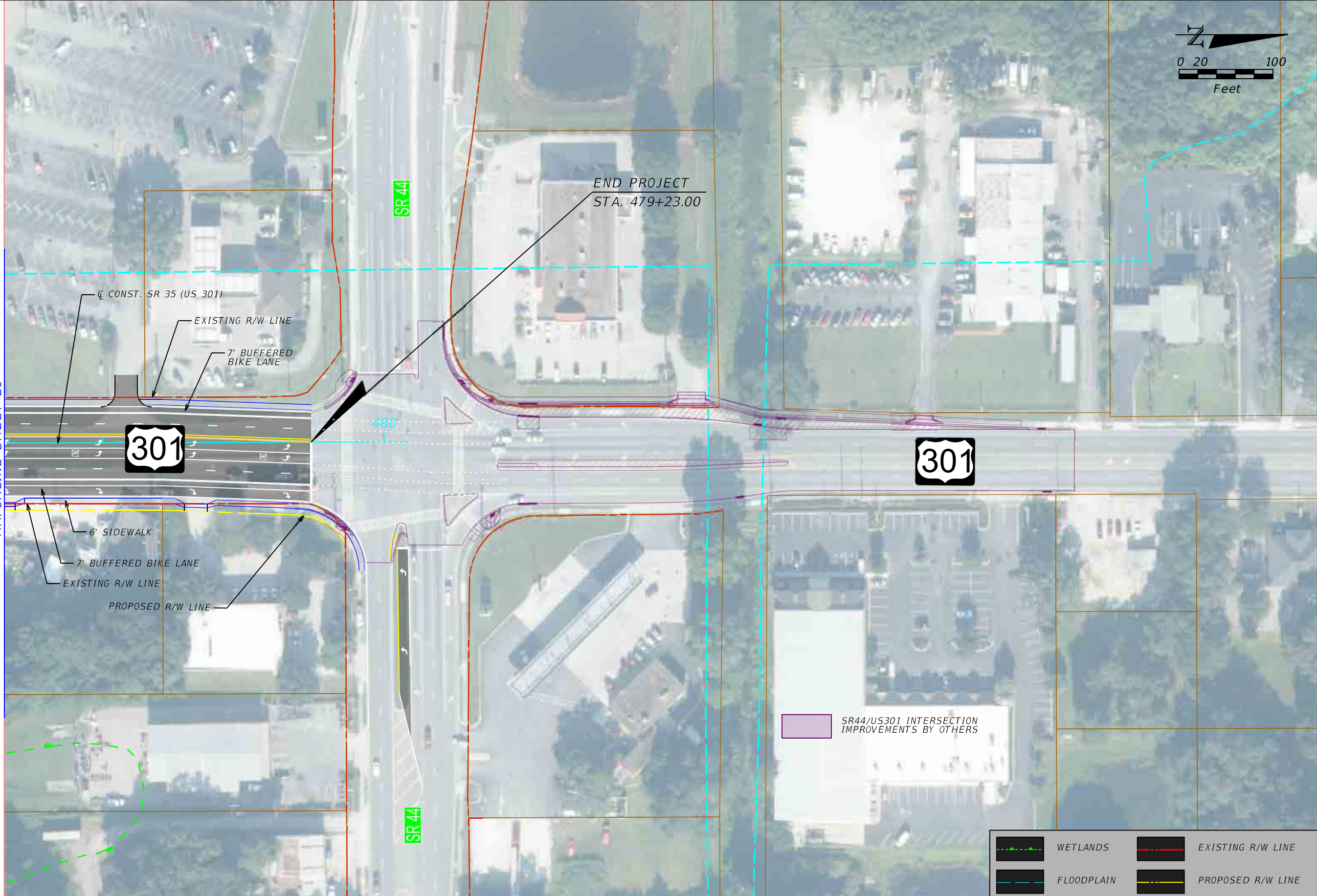
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-22-01

<p>US 301 PD&E STUDY RECOMMENDED ALTERNATIVE</p>
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SHEET NO.
29



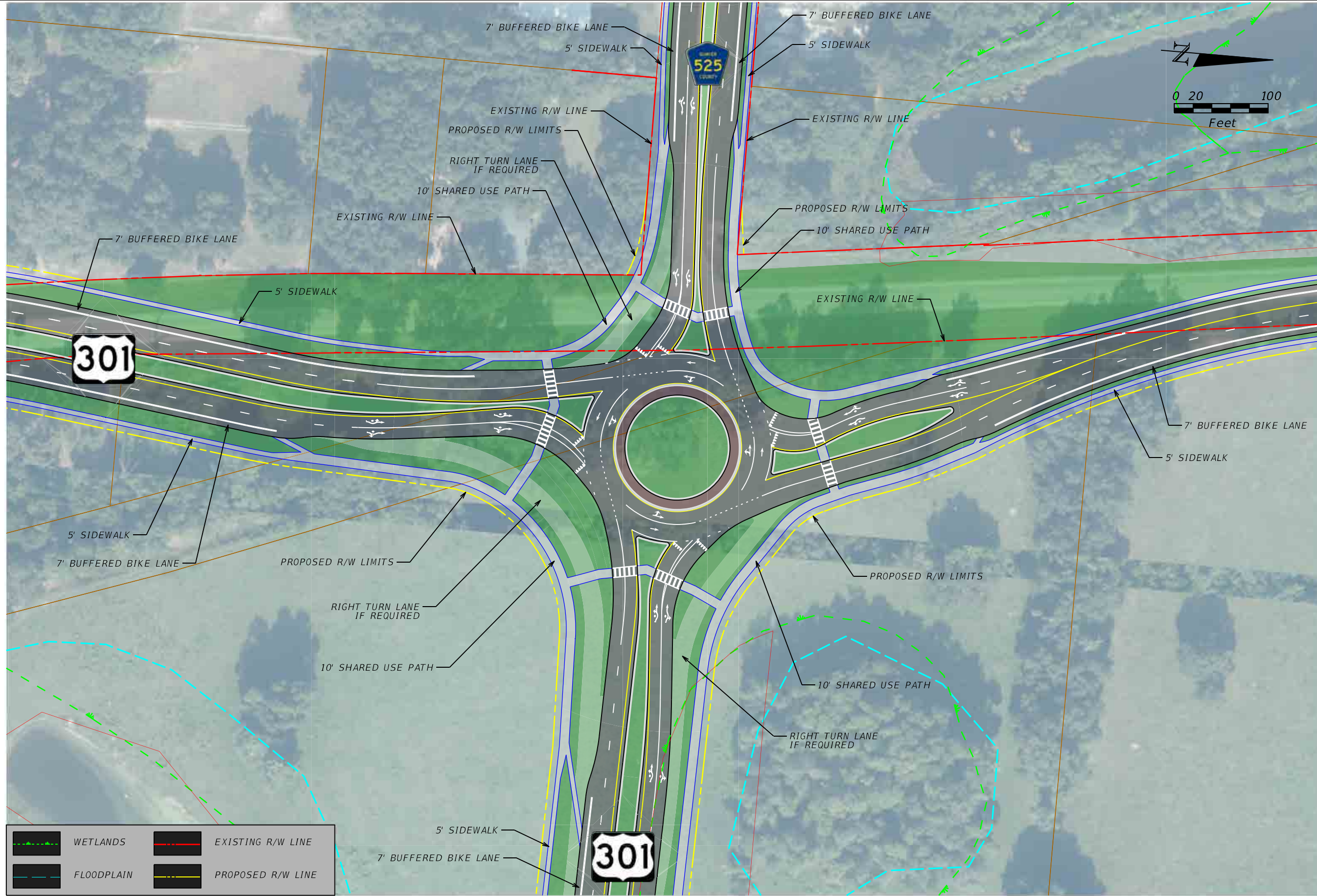
MATCHLINE SHEET 29



SR44/US301 INTERSECTION IMPROVEMENTS BY OTHERS

	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			US 301 PD&E STUDY RECOMMENDED ALTERNATIVE	SHEET NO. 30
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 35	SUMTER	430132-1-22-01		



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

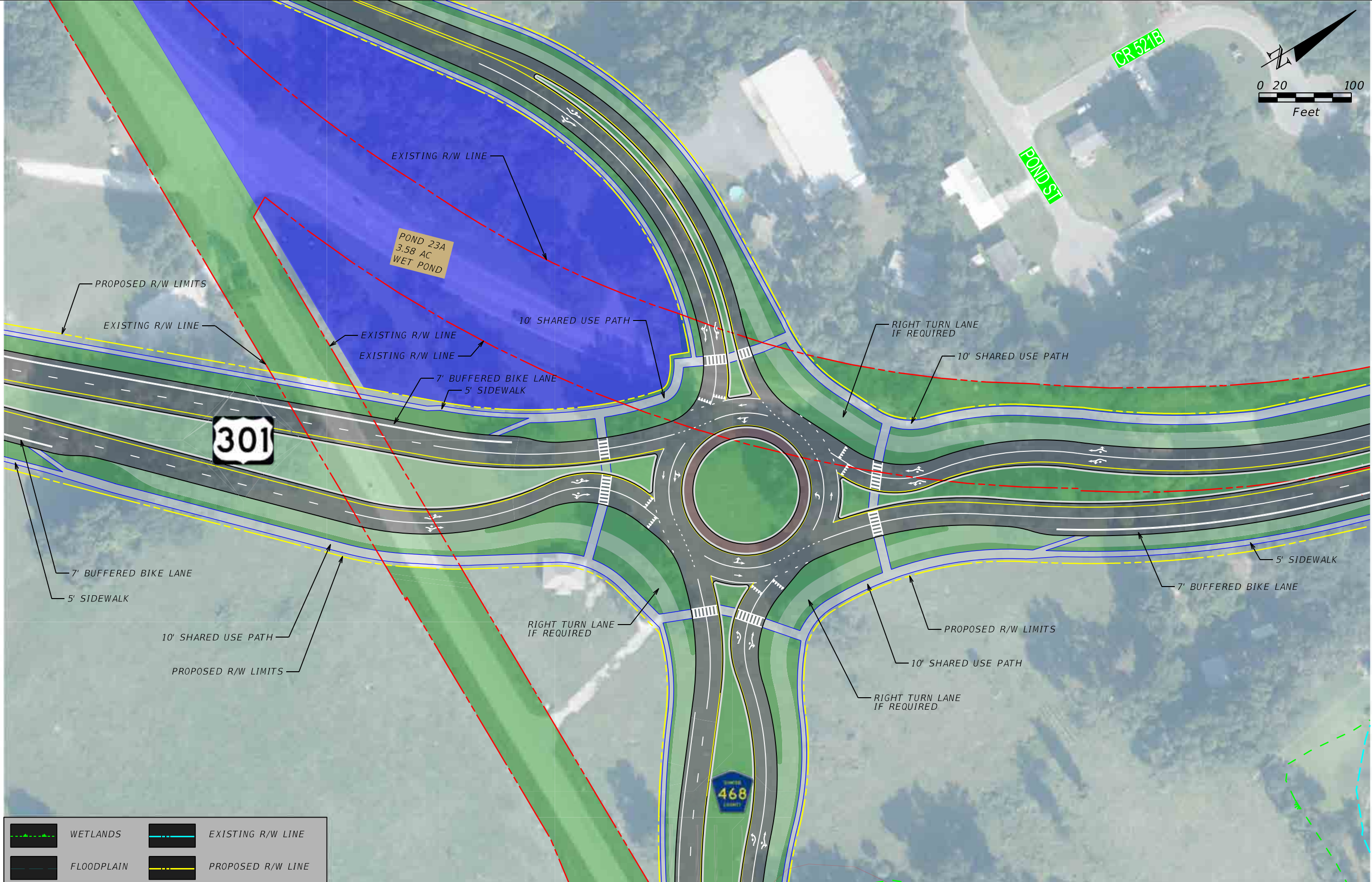
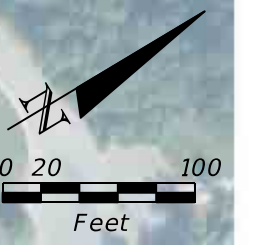
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

**US 301 REALIGNMENT
CR 525 E INTERSECTION**

SHEET NO.
31



	WETLANDS		EXISTING R/W LINE
	FLOODPLAIN		PROPOSED R/W LINE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 35	SUMTER	430132-1-52-01

US 301 REALIGNMENT CR 468 INTERSECTION

SHEET NO.
32



APPENDIX



C

Property Owner Data

PIN	OWNER NAME	OWNER ADDRESS	OWNER CITY	OWNER STATE	ACRES PARENT TRACT
J12-009	470 LAND, LLC	2915 MARION COUNTY RD	WEIRSDALE	FL	21.40
J12-017	CENTER HILL LLC	355 N US HIGHWAY 301	SUMTERVILLE	FL	27.09
J12-015	MASON SARAH H	PO BOX 53	COLEMAN	FL	13.28
J12-012	HALL JUDITH A	603 N US HIGHWAY 301	SUMTERVILLE	FL	9.82
J12-021	DOWLING MARY WRIGHT	13525 MARIA DR	HUDSON	FL	37.87
J12-007	HALL JUDITH	603 N US 301	SUMTERVILLE	FL	2.03
J12-014	FERNANDO JEFFREY R & BARBARA J	11920 NE 10TH AVE	BISCAYNE PARK	FL	1.38
J12-020	STEWART DIANE R	135 15TH AVE N	ST PETERSBURG	FL	14.25
J12-022	STEWART ROBERT D & DIANE R	16830 JAGUAR AVE	LAKEVILLE	MN	5.71
J12-018	REISCHMANN MICHAEL & DEBORAH	1895 IRMA RD	EUSTIS	FL	5.27
J12-019	REISCHMANN DEBORAH R TRUSTEE	1895 IRMA RD	EUSTIS	FL	7.33
J12-004	REVELS ALICE M	5265 VENETIAN BLVD NE	ST PETERSBURG	FL	14.51
J01-027	WILLIAMS KENNETH A & CYNTHIA L	440 CR 416S	LAKE PANASOFFKEE	FL	1.54
J01-068	YARBROUGH CHRISTOPHER & AMANDA	2867 CR 546A	BUSHNELL	FL	1.24
J01-024	FONTANEZ FELIX	9181 SE HWY C-42	SUMMERFIELD	FL	1.28
J01-021	TAQUERAL CORP	1196 N US 301	SUMTERVILLE	FL	48.29
J01-052	MITCHELL BIRDIE	1368 N US HIGHWAY 301	SUMTERVILLE	FL	8.75
J01-022	PATTERSON CHARLIE VAN & PAMELA	5421 MAGNOLIA RIDGE RD	FRUITLAND PARK	FL	8.02
J01-056	CROZIER TERRY W & MARLA K	1382 N US 301	SUMTERVILLE	FL	3.42
J01-055	CAMPBELL JEANETTE	1456 N US 301	SUMTERVILLE	FL	1.46
J01-028	COTTRELL TERRY A & GAIL LEA	PO BOX 434	SUMTERVILLE	FL	2.71
J01-018	LABARR LOIS M TRUSTEE	C/O RICHARD LABARR	SORRENTO	FL	1.65
J01-008	LABARR LOIS	32226 AVINGTON RD	SORRENTO	FL	1.31
J01-005	BURLESON ANDREW & KATHLEEN	1816 NE 16TH AVE	SUMTERVILLE	FL	22.99
J01-031	NORTHUP LEONARD JR & MARY HELE	1988 N US 301	SUMTERVILLE	FL	13.91
F36-053	GREEN PHYLLIS 1/2 INT & GREGOR	2031 N US 301	SUMTERVILLE	FL	1.68
F36-048	NORTHUP LEONARD JR	1988 N US 301	SUMTERVILLE	FL	7.59
F36-052	GRIFFIN MALCOLM H & LESLIE D	13228 CORKWOOD LN	ASTATULA	FL	1.34
F36-051	COLLEY PAUL F & MARIE ROGERS (2099 N US HIGHWAY 301	SUMTERVILLE	FL	0.50
F36-050	BURNS THOMAS H & SANDRA	6527 CR 154B	WILDWOOD	FL	0.40
F36-049	STATE: STATE OF FLORIDA DEPT O	719 S WOODLAND BLVD	DELAND	FL	0.41
F36-047	NORTHUP LEONARD JR & ERIC LEON	1988 N US 301	SUMTERVILLE	FL	1.10
F36-045	NORTHUP LEONARD JR & LEONARD E	1988 N US 301	SUMTERVILLE	FL	1.15
F35RR001	SAL RR CO. % TAX DEPT FAMILY L	500 WATER ST RM 1208	JACKSONVILLE	FL	3.02

PIN	OWNER NAME	OWNER ADDRESS	OWNER CITY	OWNER STATE	ACRES PARENT TRACT
F36-054	PINKSTAFF K RAY TRUSTEE	PO BOX 31408	KNOXVILLE	TN	33.71
F36-086	CARTER DARYL M TRUSTEE	PO BOX 568821	ORLANDO	FL	60.90
F36-059	BIGHAM MARY AZALEE	PO BOX 154	COLEMAN	FL	111.63
F36-009	HILL B H & ROBERT D & SHARON L	3820 E CR 466	OXFORD	FL	60.00
F36-002	STREET APRIL L	2769 CR 523	WILDWOOD	FL	35.32
G31-027	VEIT JOAN M ESTATE OF	PO BOX 1945	WILDWOOD	FL	7.71
G31-004	CHURCH: TRINITY BAPTIST	OF WILDWOOD INC	WILDWOOD	FL	19.60
G30-030	WILDWOOD SPRINGS, LLC	5850 T.G. LEE BLVD	ORLANDO	FL	6.46
G30-035	BIGHAM PROPERTIES LLC	1104 S 8TH ST	LEESBURG	FL	0.32
G30-034	GRAHAM WILLIAM B & DONNA	PO BOX 25	COLEMAN	FL	0.47
G30-057	GRAHAM WILLIAM B & DONNA	PO BOX 25	COLEMAN	FL	9.59
G30-090	GRAHAM WILLIAM B & DONNA M	PO BOX 25	COLEMAN	FL	4.98
G30-009	CHILDERS RICHARD D & SHELIA A	PO BOX 1180	WILDWOOD	FL	39.95
G30-081	WATTS UP LLC	3637 US HWY 301	WILDWOOD	FL	2.01
G30-008	HACKER FREDERICK HENRY & KIMBE	PO BOX 208	SUMTERVILLE	FL	2.75
G30-007	JONES PERRY A & BERTHA G & COR	3509 N US HIGHWAY 301	WILDWOOD	FL	1.34
G30-078	WATTS PHILLIP DALE	PO BOX 68	WILDWOOD	FL	4.12
G30-005	WATTS P DALE	PO BOX 68	WILDWOOD	FL	9.45
G30-070	WATTS PHILLIP D JR	1199 E CR 466	OXFORD	FL	2.15
G30-004	NOELL ANNIE M	3731 N US 301	WILDWOOD	FL	7.35
G30-125	COLE CYNTHIA DARLENE	3528 NE 37TH RD	WILDWOOD	FL	0.77
G30-139	SUGGS CYNTHIA DENISE	3528 NE 37TH RD	WILDWOOD	FL	0.77
G30-003	LANIER MARVIN	3865 N US 301	WILDWOOD	FL	0.77
G30-002	LANIER MARVIN	3865 N US HWY 301	WILDWOOD	FL	0.36
G30-126	COLE DENNIS W	3987 N US 301	WILDWOOD	FL	1.26
G19-007	WARFIELD MARY ANN ETAL	4051 N US 301	WILDWOOD	FL	4.84
G19-012	BRINDAC ANTHONY F & DIANE A	4069 N US HIGHWAY 301	WILDWOOD	FL	1.52
G19-006	COLE VERNON V, MARY C SANDERS,	2274 CR 505	WILDWOOD	FL	4.69
G19-023	LEGGETT KATHY	3539 NE 41ST LN	WILDWOOD	FL	0.99
G19-022	COLE VIRGIL	5144 CR 125	WILDWOOD	FL	6.00
G19-001	HICKMAN ANDRE FRANCOIS & HAROL	PO BOX 1618	MAITLAND	FL	233.17
G19-004	FARKUS DEBORAH TRUSTEE	PO BOX 1032	WILDWOOD	FL	5.28
G18-008	HICKMAN ANDRE FRANCOIS & MILLE	PO BOX 1618	MAITLAND	FL	107.57

PIN	OWNER NAME	OWNER ADDRESS	OWNER CITY	OWNER STATE	ACRES PARENT TRACT
F36-058	FARKUS DEBORAH TRUSTEE	PO BOX 1032	WILDWOOD	FL	5.28
F36-062	SAL RR CO. % TAX DEPT FAMILY L	500 WATER ST RM 1208	JACKSONVILLE	FL	28.91
J01-067	SHROCK SHERRIE	881 N US HWY 301	SUMTERVILLE	FL	4.98
J01-011	ALDERMAN BRUCE J & BORGA	1105 N US 301	SUMTERVILLE	FL	13.42
J01-006	HOLKO DONALD E OR JANE	720 SCENIC ST	LEESBURG	FL	11.16
G31-040	LEE CAPITAL LIMITED PARTNERSHI	1403 E SR 44	WILDWOOD	FL	0.22
G30-036	TOLSON JOHN F & CATHLEEN	2635 CR 523	WILDWOOD	FL	23.26
G19-002	FARKUS WILLIAM D & DEBBIE	PO BOX 507	WILDWOOD	FL	45.42
G18-052	U JOINT ACQUISITIONS, LLC	CSX TAX DEPT	JACKSONVILLE	FL	157.48
G30-033	HICKMAN ANDRE FRANCOIS & MILLE	PO BOX 1618	MAITLAND	FL	182.98
G30-031	FARLEY LINDA & JUDE REBECCA (J	84 FARLEY LN	MCCARR	KY	5.59
F36-001	Existing ROW				0.00
G31-020	HILL B H & ROBERT D & SHARON L	3820 E CR 466	OXFORD	FL	9.81
G31-003	TOLSON JOHN JR & CATHLEEN	2635 CR 523	WILDWOOD	FL	15.00
G07-057	RP FENNEY LLC	5850 TG LEE BLVD STE 200	ORLANDO	FL	197.49
G07-114	RSS GSMS 2012CJ9-FL SCP	790 NW 107 AVE STE 400	MIAMI	FL	32.47
G07-077	MCCORMIC DANIEL C	4923 CR 306A	LAKE PANASOFFKEE	FL	3.80
G07-078	NOELL ANNA MARIE	3731 N US HIGHWAY 301	WILDWOOD	FL	0.58
G07-109	STRICKLAND PATRICIA A	PO BOX 1683	WILDWOOD	FL	1.28
G30-092	ADVANCE STORES CO INC #9153	PO BOX 2710	ROANOKE	VA	0.90
G30-054	MAHAN SUE	12100 E WARM SPRINGS AVE	WILDWOOD	FL	1.00
J01-066	ANDERSON RICHARD W JR & LAURIE	3086 N US HIGHWAY 301	WILDWOOD	FL	0.95



APPENDIX



D

Wetlands & Surface Waters

4.0 Wetland and Surface Water Features

The jurisdictional extent of wetland and other surface water systems within the study corridor was approximated through the review of aerial photography, National Wetland Inventory (NWI) data, U.S. Geological Survey Topographic Maps (**Figure 3**), Soils Maps (**Figure 4**), Land Use Maps (**Figure 5**), and ground-truthing activities. All figures can be found in the Attachments Section of the report. The wetland limits were identified in general accordance with the United States Army Corps of Engineers' (USACE) Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (November 2010) and the state of Florida's Delineation of the Landward Extent of Wetlands and Surface Waters (Chapter 62-340, Florida Administrative Code). In the event wetland boundaries differed between the two methods, the more landward extent was used to define that particular wetland system's boundary.

Each system observed was classified using the Southwest Florida Water Management District (SWFWMD) Florida Land Use, Cover Classification System (FLUCCS, FDOT, 1999) and further categorized using the Classification of Wetlands and Deepwater Habitats of the United States, (Cowardin, et. al., 1979) as adopted by the USFWS and the NWI. Photographic documentation was used to capture the current condition of each wetland system and Uniform Mitigation Assessment Method (UMAM, Chapter 62-345 F.A.C.) was used to quantify each system's condition.

Wetland communities found within the US 301 corridor study area consists of cypress wetlands, stream and lake swamps, forested mixed wetlands, freshwater marshes, wet prairies, emergent herbaceous wetlands and ditches, which are protected under Executive Order 11990: Protection of Wetlands. The ecosystem structure of the wetland communities and the corresponding wetlands identified within the project corridor are described below and presented in **Figure 6**. Photographs of identified wetland communities can be found in Appendix A.

Within the project corridor the wetland habitat is bordered by agricultural lands, large lot residential, commercial and industrial developments, and pastures. The indications of wildlife utilization include use by avian species including black vulture (*Coragyps atratus*), pileated woodpecker (*Dryocopus pileatus*), sandhill cranes, small and medium-sized mammals including deer (*Odocoileus virginianus*), wild boar (*Sus scrofa*), coyotes (*Canis latrans*), raccoon (*Procyon lotor*) and opossum (*Didelphis virginiana*), and herpetofauna.

The table (**Table 5**) below is a brief depiction of the wetlands and surface waters found within the US 301 corridor, including their FLUCCS code, size and UMAM functional value. The location of each wetland or surface water impacts are depicted on **Figure 6**.

Table 5 | Summary of Wetlands and UMAM Assessment

Wetland ID No.	FLUCCS	NWI Code	Impact (acres)	Impact Delta	Functional Loss
WL-1	615	PFO6	0.87	0.77	0.67
WL-2	615	PFO6	0.47	0.77	0.36
WL-3	630	PFO6	0.45	0.77	0.35
WL-6	615	PFO6	0.22	0.77	0.17
WL-7	615	PFO6	0.50	0.77	0.39
WL-7A	643	PEM1	0.07	0.63	0.04
WL-9	615	PFO6	1.67	0.77	1.29
WL-9A	615	PFO6	0.14	0.77	0.11
WL-11	641	PEM2	0.24	0.63	0.15
WL-12	641	PEM2	0.31	0.63	0.20
WL-13	615	PFO6	0.12	0.77	0.09
WL-14	615	PFO6	0.25	0.77	0.19
WL-21	641	PEM2	0.28	0.63	0.18
WL-22	615	PFO6	0.49	0.77	0.38
WL-23	630	PFO6	0.47	0.77	0.36
WL-25	630	PFO6	0.41	0.77	0.31
WL-26	630	PFO6	0.06	0.77	0.04
SW-1	530	L2EM2	0.09	-	-
TOTALS			7.11		5.28

Wetland 1

Wetland 1 (WL-1) is located at the named creek, Shady Brook, and consists of a large stream and lake swamp associated with the creek. The forested wetland canopy contains red maple, live oak, water hickory, and sweetgum. Groundcover is sparse consisting of saw palmetto, grapevine, and cabbage palm. Soils are sandy and saturated with no standing water.

Surrounding land uses include pastures and agricultural lands to the east and public lands owned by the SWFWMD to the west. Wetland functions include water storage, water conveyance, and vegetative cover for denning and foraging habitat for wetland dependent species.

Wetland 2

Wetland 2 (WL-2) is north of and contiguous to WL-1. The forested wetland canopy contains red maple, live oak, water hickory, and sweetgum. Groundcover is sparse consisting of saw palmetto, grapevine, and cabbage palm. Soils are sandy and saturated but with no standing water.

Surrounding land uses include pastures and agricultural lands to the east and public lands owned by the SWFWMD to the west. Wetland functions include water storage, water conveyance, and vegetative cover for denning and foraging habitat for wetland dependent species.

Wetland 3

Wetland 3 (WL-3) is located approximately 500 feet east of US 301 and CR 525 East intersection. The wetland canopy consists mainly of water tupelo (*Nyssa aquatic*). Ground cover is very sparse due to grazing by cattle. The wetland is connected to other wetland areas via a small swale that is seasonally inundated. Soils are sandy with no standing water observed during the field review, but staining on trees indicated that standing water is present during the wet season.

The surrounding land use is pasture. Wetland functions include water storage and foraging areas for wetland dependent species.

Wetland 6

Wetland 6 (WL-6) is located on the north side of CR 468, just east of the intersection with US 301. The wetland canopy consists mainly of water tupelo with a very sparse groundcover of pasture grasses. Soils are sandy and no standing water observed during the field visit, but staining on trees indicated that standing water is present during the wet season.

The surrounding land use is pasture. Wetland functions include water storage and foraging areas for wetland dependent species.

Wetland 7

Wetland 7 (WL-7) is located east side of US 301 north of NE 41st Lane. The wetland is a freshwater marsh with scattered red maple and laurel oak along the outer edges and spikerush (*Eleocharis* spp.), chalky blue stem (*Andropogon capillipes*), and pickerelweed (*Pontederia cordata*) in the lower areas of the marsh. The wetland appears to be mowed on a regular basis.

The surrounding land use is pasture. Wetland functions include water storage and foraging areas for wetland dependent species.

Wetland 7A

Wetland 7A (WL-7A) is located on the west side of US 301 across from WL-7. The wetland is a freshwater marsh with scattered red maple and laurel oak along the outer edges and spike rush, chalky blue stem, and pickerelweed

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in the lower areas of the marsh. The wetland appears to be mowed on a regular basis. Soils are sandy and standing water was observed during the field reviews.

The surrounding land use is pasture. Wetland functions include water storage and foraging areas for wetland dependent species.

Wetland 9

Wetland 9 (WL-9) is located on the east side of US 301 south of the electrical transmission easement. This forested wetland contains a mix of red maple, sweetgum, slash pine, laurel oak, and water hickory. Soils are sandy and saturated but with no standing water.

Surrounding land uses include upland hardwood and conifer forest. Wetland functions include water storage, foraging and denning for wetland dependent species, and water conveyance.

Wetland 9A

Wetland 9A (WL-9A) is located on the west side of US 301 south of the electrical transmission easement. This forested wetland contains a mix of red maple, sweetgum, slash pine, laurel oak, and water hickory. Soils are sandy and saturated but with no standing water.

Surrounding land uses include upland hardwood and conifer forest. Wetland functions include water storage, foraging and denning for wetland dependent species, and water conveyance.

Wetland 11

Wetland 11 (WL-11) is located on the east side of US 301 approximately 500 feet south of the Florida's Turnpike. This isolated freshwater marsh contains pickerelweed, spike rush and Carolina willow along the outer edge of the wetland. The marsh appears to be isolated from other marshes in the immediate vicinity. Soils are sandy and standing water was observed during the field reviews.

Surrounding land uses include pastures. Wetland functions include water storage, foraging areas for wading birds, and stormwater conveyance.

Wetland 12

Wetland 12 (WL-12) is located on the west side of US 301 across from WL-11. This large freshwater marsh contains cattail (*Typha* spp.), Carolina willow, salt bush (*Baccharis halimifolia*), pickerelweed, wax myrtle (*Myrica cerifera*), chalky bluestem, and cabbage palm. Soils are sandy and standing water was observed during the field reviews. The wetland appears to be connected to a larger forested system that drains north towards the Florida Turnpike.

Surrounding land uses include upland shrub and brush lands. Wetland functions include water storage, foraging areas for wading birds, and stormwater conveyance.

Wetland 13

Wetland 13 (WL-13) is located on the east side of US 301 just south of the Florida's Turnpike. This forested area consists of red maple, sweetgum, slash pine, laurel oak and saw palmetto. Soils are sandy and saturated but with no standing water. The wetland is connected to a larger system to the west via a culvert under US 301.

Surrounding land uses include pastures. Wetland functions include water storage, foraging areas for wading birds, and stormwater conveyance.

Wetland 14

Wetland 14 (WL-14) is located on the west side of US 301 just south of Florida Turnpike. The wetland contains both marsh and forested components. The vegetation is consistent with WL-13, however there is a section of the wetland that was previously cleared and has started to regenerate. Soils are sandy and saturated but with no standing water.

Surrounding land use includes upland forests that were cleared but have been left to regenerate. Wetland functions include water storage, foraging areas for wading birds, and stormwater conveyance.

Wetland 21

Wetland 21 (WL-21) is located within Pond 5A. This freshwater marsh is seasonally inundated and heavily grazed by cattle. Vegetation is very limited with various pasture grasses along the perimeter. Soils are sandy and saturated but with no standing water observed during the field review.

Surrounding land use is pastures. Wetland functions include water storage and foraging habitat for wading birds.

Wetland 22

Wetland 22 (WL-22) is located within FPC5. The pond site includes three areas of forested wetlands that extend off-site to the east. The forested wetlands contain a mix of red maple, sweetgum, slash pine, laurel oak, and water hickory. Soils are sandy and saturated but with no standing water.

Surrounding land uses include upland hardwood and conifer forest. Wetland functions include water storage, foraging and denning for wetland dependent species, and water conveyance.

Wetland 23

Wetland 23 (WL-23) is located within Pond 17B. The wetland appears to be connected to wetlands south of the Florida's Turnpike. The pond site is a forested mix of red maple, sweetgum, laurel oak, water hickory and saw palmetto. Soils are sandy and saturated but with no standing water.

Surrounding land use is pastures. Wetland functions include water storage and foraging habitat for wading birds.

Wetland 25

Wetland 25 (WL-25) is located east side of US 301 north of NE 41st Lane. The wetland is a hardwood forest with red maple, sweetgum and laurel oak. Groundcover is sparse consisting of saw palmetto, grapevine, and cabbage palm. Soils are sandy and saturated but with no standing water.

The surrounding land use is pasture. Wetland functions include water storage and foraging areas for wetland dependent species.

Wetland 26

Wetland 26 (WL-26) is located approximately 2,400 feet east of US 301 and CR 525 East intersection. Ground cover is very sparse due to grazing by cattle. The onsite portion of this wetland consists of a swale that is seasonally inundated. Soils are sandy with no standing water observed during the field review, but staining on vegetation indicated that standing water is present during the wet season.

The surrounding land use is pasture. Wetland functions include water storage and foraging areas for wetland dependent species.

Surface Water 1

Surface Water 1 (SW-1) is a small agricultural pond along the west side of US 301 just south of NE 19th Way. Standing water was present during the field review and maintenance trimming/mowing was evident in the pond.

Surrounding land uses include pastures to the south and peach (*Prunus persica*) orchards to the north. Wetland functions include water storage, water conveyance, and foraging habitat for wading birds.

4.1 Assessment of Potential Impacts

Avoidance and Minimization Strategies (Quality Enhancement Strategies)

The avoidance and minimization of wetland impacts during the PD&E phase of the project include the study of multiple widening options within the five segments of existing roadway, three alignment options within the segment of new right-of-way associated with the realignment, and multiple alternatives for each proposed pond site; for which the full alternative analysis can be found in the Alternatives section of the PER.

The recommended alignment for widening of each segment is described as follows:

- Segment 1 will be widened to the right of the existing roadway and will require approximately 3.2 acres of new right of way. No wetland impacts are anticipated in this segment of the corridor.
- Segment 2 will be widened to the left of the existing roadway and will require 26.6 acres of new right of way. Segment 2 will impact 0.5 acres of wetlands associated with Shady Brook. Since Shady Brook crosses the corridor alignment, the impacts are unavoidable for all widening options. However, clearing of wetlands would be required for construction and long-term shading impacts will occur from the bridge.



APPENDIX



E

Preliminary Widening
Assessment

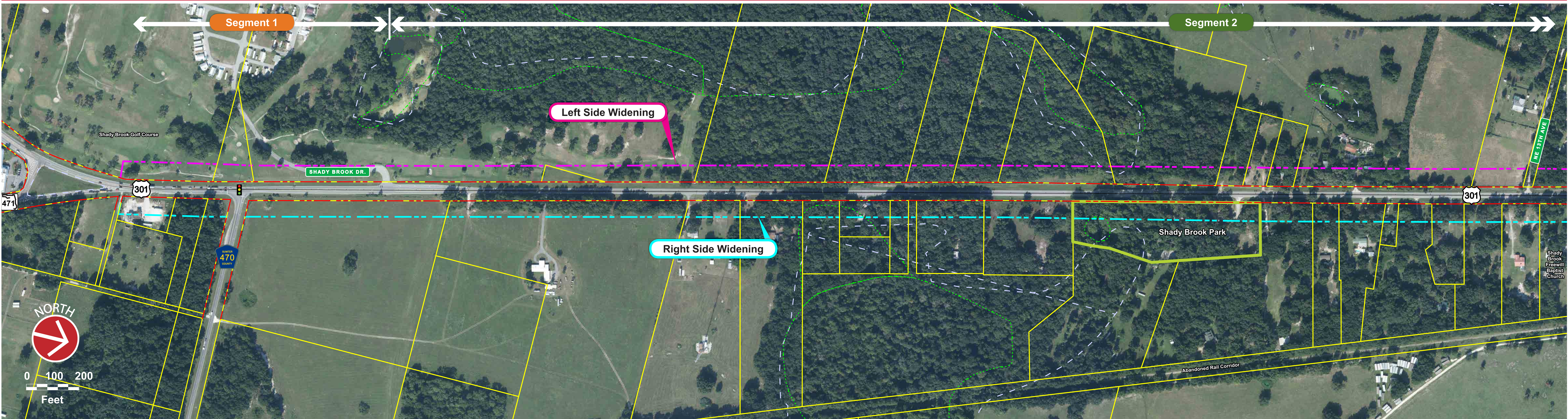
PRELIMINARY WIDENING ASSESSMENT MATRIX

One of the first steps in identifying alternatives is analyzing potential impacts if the corridor were widened entirely to the left or right side of the existing roadway. Below you will find a preliminary assessment of potential impacts, summarized by Study Segment. For additional information, including visual representations of each segment, please visit us on the web at www.us301sumter.com.

Evaluation Criteria	Segment 1		Segment 2		Segment 3		Segment 4		Segment 5	
	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
Social & Economic										
Land Use Changes	High	High	Medium	Medium	High	High	Medium	Medium	Low	Low
Community Cohesion	Medium	Medium	Medium	Low	High	High	Medium	Medium	Low	Low
Potential Relocations (Parcel/Building Impacts)	3/0	4/1	27/4	37/6	62/34	40/18	42/10	37/5	TBD	TBD
Community Facilities	0	0	1	1	1	2	0	1	0	0
Potential Environmental Justice Impacts	Low	Low	Low	Low	Medium	Medium	Low	Low	Low	Low
Controversy Potential	Low	Low	Low	Low	High	High	Low	Low	TBD	TBD
Scenic Highways	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Involvement with Farmlands	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No
Cultural										
Section 4(f)	0	0	0	1	0	0	0	0	0	0
Historic Sites/Districts	0	0	0	0	16	11	0	0	0	0
Archaeological Sites	1	1	0	0	0	0	0	0	0	0
Recreation Areas	No	No	No	Yes	No	No	No	No	No	No
Natural										
Wetlands Impacts (Acres)	0	0	0.5	0.4	0.1	0.1	2.3	3.8	TBD	TBD
Water Quality	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Outstanding FL Waters	0	0	1	1	0	0	0	0	0	0
Floodplains Impacts (Acres)	0	0	0.4	0.6	0	0.3	8.8	8.7	TBD	TBD
Wildlife and Habitat	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Physical										
Noise Sensitive Sites	2	2	36	39	122	115	35	32	TBD	TBD
Air Quality	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Constructability Issues	Low	Low	Low	Low	Medium	Medium	Low	Low	Low	Low
Contamination (Potential Sites)	1	1	1	1	6	10	7	6	5	10
Aesthetic Impacts	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Bike and Pedestrian Accommodation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Utilities and Railroads Involvement	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



Preliminary Widening Comparison - Board 1



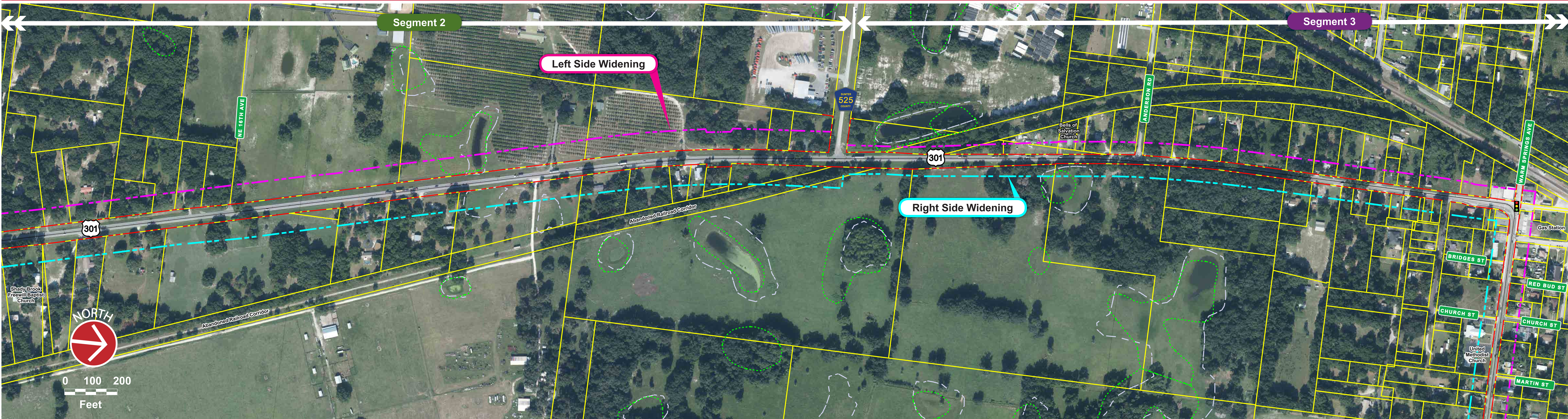
LEGEND	
	Existing Right-of-Way Line
	Potential Right Side Widening Right-of-Way Limit
	Potential Left Side Widening Right-of-Way Limit
	Floodplain Boundary
	Parcel Lines
	Wetlands Boundary
	Segment Boundary
	Existing Traffic Signal

NOTES

All right-of-way needs are preliminary and are subject to change. Right-of-way needed for stormwater ponds and drainage has yet to be determined and is not shown.



Preliminary Widening Comparison - Board 2



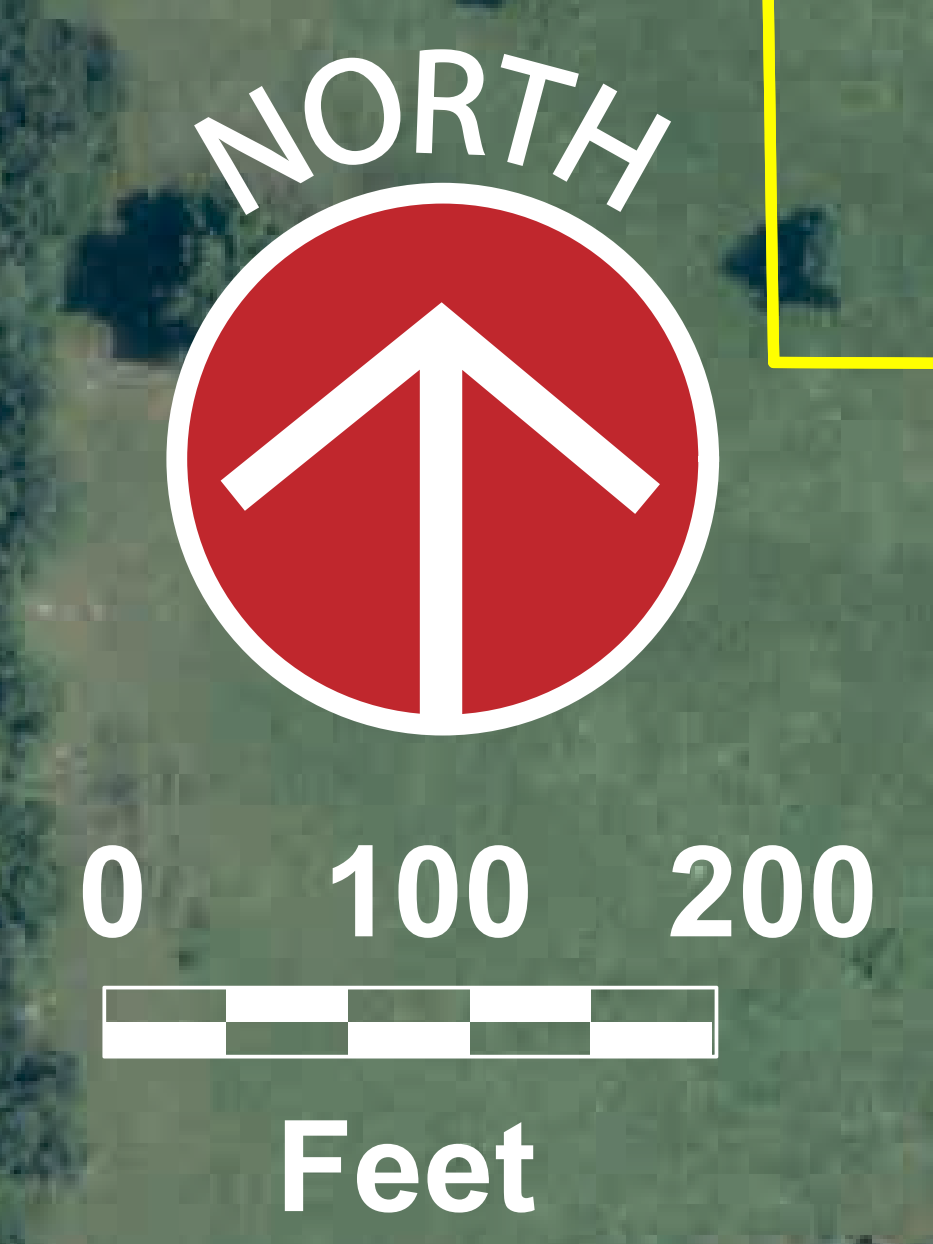
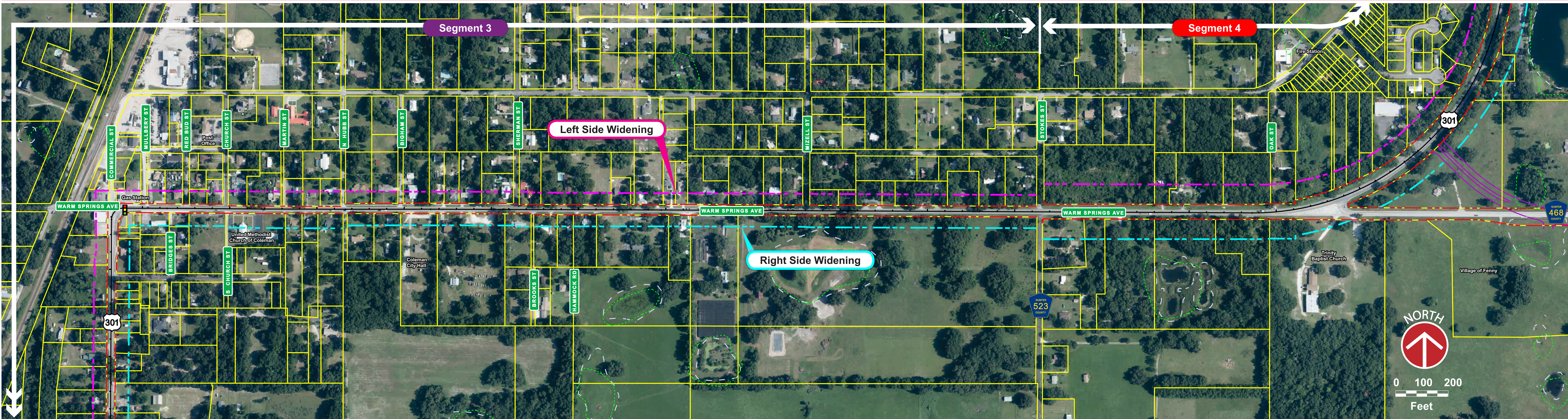
LEGEND	
	Existing Right-of-Way Line
	Potential Right Side Widening Right-of-Way Limit
	Potential Left Side Widening Right-of-Way Limit
	Floodplain Boundary
	Parcel Lines
	Wetlands Boundary
	Segment Boundary
	Existing Traffic Signal

NOTES

All right-of-way needs are preliminary and are subject to change. Right-of-way needed for stormwater ponds and drainage has yet to be determined and is not shown.



Preliminary Widening Comparison - Board 3



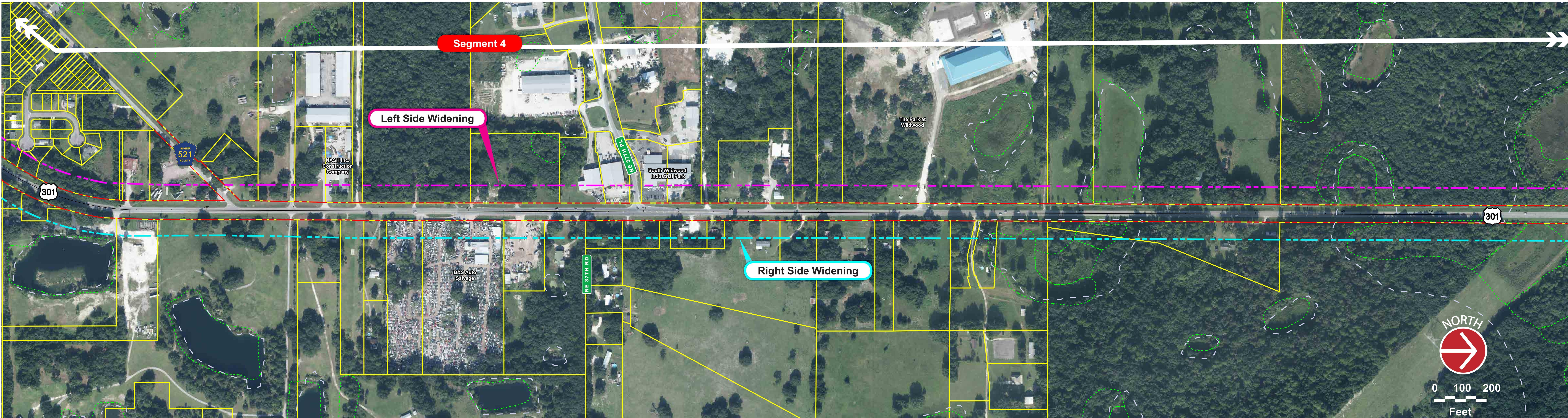
LEGEND	
	Existing Right-of-Way Line
	Potential Right Side Widening Right-of-Way Limit
	Potential Left Side Widening Right-of-Way Limit
	Floodplain Boundary
	Parcel Lines
	Wetlands Boundary
	New CR 468 Roadway Alignment
	Segment Boundary
	Traffic Signal

NOTES

All right-of-way needs are preliminary and are subject to change. Right-of-way needed for stormwater ponds and drainage has yet to be determined and is not shown.



Preliminary Widening Comparison - Board 4



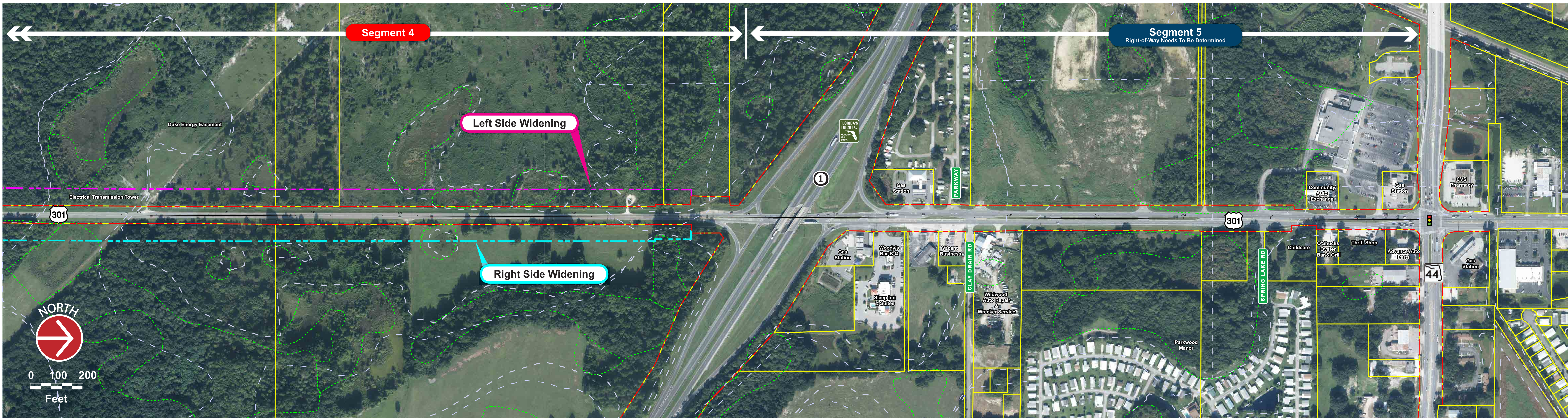
LEGEND	
	Existing Right-of-Way Line
	Potential Right Side Widening Right-of-Way Limit
	Potential Left Side Widening Right-of-Way Limit
	Floodplain Boundary
	Parcel Lines
	Wetlands Boundary
	Segment Boundary
	Existing Traffic Signal

NOTES

All right-of-way needs are preliminary and are subject to change. Right-of-way needed for stormwater ponds and drainage has yet to be determined and is not shown.



Preliminary Widening Comparison – Board 5



LEGEND

- - - - - Existing Right-of-Way Line
- - - - - Potential Right Side Widening Right-of-Way Limit
- - - - - Potential Left Side Widening Right-of-Way Limit
- - - - - Floodplain Boundary
- - - - - Parcel Lines
- - - - - Wetlands Boundary

- ← → Segment Boundary
- ⬇ Existing Traffic Signal

NOTES

- ① Interchange Alternatives are being developed. Right-of-way requirements in the vicinity of the interchange have yet to be determined.

All right-of-way needs are preliminary and are subject to change. Right-of-way needed for stormwater ponds and drainage has yet to be determined and is not shown.



APPENDIX



F

US 301 Realignment (Truck
Route) Analysis



US 301 (SR 35) PD&E Study

US 301 Realignment (Truck Route)
Technical Memorandum

FDOT Office
District Five

Authors
HDR

Date of Publication
May 2017

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to 23 U.S.C. §327 and a Memorandum of Understanding dated December 14, 2016 and executed by the Federal Highway Administration and FDOT.

1.0 Introduction

1.1 Purpose of this Memorandum

The purpose of this memorandum is to: (1) document the various realignment (truck route) alternatives evaluated by the project team; (2) summarize public and stakeholder input regarding the various alignment alternatives; and (3) discuss the process and criteria used to identify a realignment alternative recommended for further detailed analysis.

1.2 Project Description

FDOT is conducting a Project Development and Environment (PD&E) study for an approximately 8.0 mile portion of US 301 between CR 470 East and SR 44 in Sumter County. Within these limits, US 301 travels through the cities of Coleman and Wildwood, and also overlaps State Road 35. While mostly a north-south route, US 301 travels in an east-west direction through the City of Coleman where it has the local road name Warm Springs Avenue. The Florida's Turnpike (SR 91) crosses US 301 with an interchange to the south of the northern project limit, and I-75 runs parallel to the study corridor on the west of US 301 through Sumter County.

The PD&E study will analyze design alternatives that widen US 301; improve the US 301 interchange at Florida's Turnpike; and consider a new corridor for US 301 south of the City of Coleman. The improvements will seek to provide additional capacity for future traffic growth. US 301 is projected to carry more than 14,000 vehicles per day by 2022 and increase to more than 24,000 per day by 2042. Based on existing 2014 conditions analysis, US 301 carried up to 9,600 vehicles per day on a 2-lane segment south of the Turnpike operating with a Level of Service of D.

Within the project limits, US 301 begins as a two-lane undivided roadway at CR 470 East with turn lanes at some intersections; makes a sharp 90° turn through the City of Coleman (Warm Springs Avenue) and then curves to the north at CR 468. It then continues north as an undivided roadway until it reaches the Florida's Turnpike interchange where a median is added. North of the interchange the roadway is a four-lane divided, rural typical section facility. It has a short urban curb and gutter section approaching SR 44.

The purpose of this project is to increase the capacity of US 301, to respond to future travel demand from the intersection of CR 470 East, north through the City of Coleman to SR 44 in the City of Wildwood. The project will also improve safety and provide multi-modal facilities for pedestrian and bicyclists, and evaluate improvements to the US 301 interchange with the Florida's Turnpike.

This study will evaluate all viable alternatives to widen US 301 on the existing project corridor as well as a potential realignment for US 301 from near CR 525 to CR 468 to minimize potential environmental impacts to the City of Coleman. Figure 1 shows the study corridor and potential realignment (truck route) area.

Figure 1 | Project Location



1.3 Identification of Realignment Area

Prior to the initiation of the PD&E study, FDOT conducted an environmental screening called an Area of Potential Impact analysis for a realignment considering areas north and south of Warm Springs Avenue in the City of Coleman. The analysis is included in **Appendix A** and consisted of using geographic information system mapping of potential resource impacts.

The analysis showed that a realignment north of Warm Springs Avenue would result in a level of impact similar to widening Warm Springs Avenue. The analysis showed far fewer potential impacts for the southern realignment. An example of this was demonstrated by the northern route being projected to impact potentially six times as many parcels as the southern route. The northern realignment also had the potential to impact a substantial number of single family homes, similar to the residential areas along Warm Springs Avenue. Based on this analysis, it was recommended that only a new realignment south of Warm Springs Avenue be investigated further.

2.0 Public Engagement

The public engagement process utilized to develop the recommended realignment corridor was comprised of three primary outreach strategies: 1) Stakeholder meetings, 2) Project Advisory Group meetings, and 3) an Alternatives Public Meeting. As further described below, the level of public engagement has been significant and highly responsive.

2.1 Stakeholder Meetings

The project team reached out to specific stakeholders who had a significant interest in the PD&E or specifically requested a meeting. The following table provides an account for the stakeholder meetings held through April 2017:

Table 1 | Stakeholder Comments

Name	Organization	Date	Summary
Mayor Milton Hill	City of Coleman	02/01/2016	Agreed that a realignment alternative would be a good potential alternative to consider as opposed to widening US 301 through the City of Coleman. Did not offer an opinion on a particular route.
Council President Richard Huff	City of Coleman	02/01/2016	Agreed that a realignment alternative would be a good potential alternative to consider as opposed to widening US 301 through the City of Coleman. Did not offer an opinion on a particular route.
Melanie Peavy	City of Wildwood	02/01/2016	No objection to a realignment alternative other than avoiding significant impact to the Village of Fenney (aka Wildwood Springs).
Dean Barberree	Village of Fenney	02/01/2016	Village of Fenney is starting construction and does not support a realignment alternative that splits the project but is OK with a realignment alternative that simply needs frontage along existing US 301.

US 301 PD&E Study CR 470 E to State Road 44 in Sumter County
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Name	Organization	Date	Summary
Bradley Arnold	Sumter County	02/02/2016	Discussion during FDOT partnering meeting. County has no objection to a realignment alternative other than avoiding significant impact to the Village of Fenney.
Pastor Mark Reichard	Trinity Baptist Church	2/17/2016	Pastor Mark Reichard indicated that the preference was for the realignment alternatives to either stay as far from the church buildings as possible or to fully impact the structure so that it would be relocated. This was preferred to alternatives that left it too close to the buildings.
Marra Family	Property Owner	4/11/2016	Met with Mr. & Mrs. Marra to discuss potential realignment alternatives and impacts to their property on US 301. They did not express an opinion on a realignment
Akiko Teagle	City of Coleman	8/12/2016	Met with Ms. Teagle to discuss City's comprehensive plan and related amendments. It was identified that the City's Comprehensive Plan, Policy 1-4, calls for the City to notify the Florida Department of Transportation that the City prefers that capacity improvements to US 301 by-pass the City, and the City's Community Redevelopment Area master plan shows the existing US 301 alignment through the City to be maintained as a two-lane facility with enhancements. No opinion provided on a particular realignment alternative.
Melanie Peavy & Jason McHugh	City of Wildwood	8/24/2016	No objection to potential realignment alternatives other than avoiding significant impact to Village of Fenney.
Gary Moyer & Gary Lester	Developer of the Villages - Purchasing parts of the Village of Fenney	8/24/2016	Met to review potential realignment alternatives. Village of Fenney is starting construction and does not support a realignment alternative that splits the project but is OK with a realignment alternative that simply needs frontage along US 301.
Coleman City Council	City of Coleman	9/12/2016	Presentation by Project Team to City Council of potential realignment alternatives and preliminary widening assessment. City Council expressed concern regarding impacts the realignment alternatives would have on the development potential of "downtown" Coleman (i.e. existing alignment of US 301). City Council expressed a preference for realignment alternatives A or C due to the closer proximity to "downtown" Coleman.
Pastor Mark Reichard	Trinity Baptist Church	9/23/2016 teleconference	Spoke with Pastor Mark Reichard after he had a meeting with church leadership on 9/21/2016 to review potential realignment alternatives. He indicated that the church would work with whichever alternative was selected..
Mayor Milton Hill	City of Coleman	12/13/2016	Continues to support the realignment of US 301 south of the City of Coleman. If the realignment is selected as the final alternative and Warm Springs Avenue is transferred to local jurisdiction, then he desires the corridor to be enhanced with landscaping, street lights, etc. He sees opportunities to redevelop Warm Springs Avenue with a mix of businesses, offices, and residential.

US 301 PD&E Study CR 470 E to State Road 44 in Sumter County
 FM No. 430132-1-22-01

Name	Organization	Date	Summary
Council President Richard Huff	City of Coleman	12/13/2016	Continues to support the realignment of US 301 south of the City of Coleman. If the realignment is selected as the final alternative and Warm Springs Avenue is transferred to local jurisdiction, then he desires the corridor to be enhanced with landscaping, street lights, etc. He sees opportunities to redevelop Warm Springs Avenue with a mix of businesses, offices, and residential.
Bradley Arnold	Sumter County	12/15/2016	Continues to support the realignment of US 301 with alignment "B." As part of an inter-local agreement between the City of Coleman and Sumter County, the County shall provide staff planning services to the city.
Jason McHugh and Melanie Peavey	City of Wildwood	12/15/2016	They do not object to the realignment alternative and understand the methodology for the preferred alignment "B." Primary interests are the potential impacts to the Village of Fenney.
TJ Fish and Michael Woods	Lake~Sumter MPO	12/15/2016	Prefer the US 301 Realignment Alternative and support alignment "B." The PD&E project is consistent with the MPO Long Range Transportation Plan and Transportation Improvement Program.
Pastor Mark Reichard	Trinity Baptist Church	12/15/2016	He and the church community are aware of the potential loss of the building if the realignment is selected. They are not opposed to the realignment and understand the engineering and land planning benefits. The church sees this as a potential opportunity to rebuild a new, larger facility on the remaining property.
Technical Advisory Committee	Lake~Sumter MPO	4/12/2017	The committee discussed the recent announcement of The Villages expansion plans south of SR 44. The Lake~Sumter MPO requested continued coordination with the MPO as the study progresses.
Citizens' Advisory Committee	Lake~Sumter MPO	4/12/2017	The CAC asked a few questions regarding the land uses, historic resources, and impact of the proposed US 301 realignment with the City of Coleman.
Bicycle/ Pedestrian Advisory Committee	Lake~Sumter MPO	4/13/2017	THE BPAC asked questions regarding if a bicycle lane would be provided as a separate facility and not on the actual roadway. The proposed bicycle lane on US 301 is a seven foot buffered bicycle lane.
Pastor Mark Reichard	Trinity Baptist Church	4/17/2017	He stated that the church does not object to the proposed realignment of US 301 that would impact the existing church buildings. Pastor Reichard expressed his appreciation for the level of communication and cooperation with FDOT regarding this project.

Name	Organization	Date	Summary
Gary Lester and Gary Moyer	Village of Fenney	4/17/2017	They confirmed the planned expansions south of SR 44 and the acquisitions of the Southern Oaks Development of Regional Impact (DRI) and the Wade Industrial Park. The planned expansions include approximately 14,000 new homes along CR 468 from SR 44 south to the Village of Fenney. They were supportive of the realignment, and are greatly interested in the timing of the construction of the project.
City of Wildwood	City of Wildwood	4/24/2017	The City Commission did not have any comments or questions regarding the US 301 project.
Governing Board	Lake~Sumter MPO	4/26/2017	The Governing Board did not have any questions or comments regarding the project.
City of Coleman	City of Coleman	4/26/2017	The City Council discussed the need to coordinate with the new future land use map and comprehensive plan under development for the city. The realignment (Alternative 2) is consistent with the draft comprehensive plan and future land use map. Questions regarding the connection of Warm Springs Avenue to the realignment of US 301 were raised, though the meeting consensus was that the realignment of US 301 was preferable to widening along the existing alignment through the city.

The consensus from the stakeholder meetings was for a realignment alternative that minimized the impact to the Village of Fenney while also maintaining the character and integrity of the City of Coleman.

2.2 Project Advisory Group Meetings

To assist the Project Team in the development and assessment of potential realignment alternatives, a Project Advisory Group (PAG) was assembled. The PAG is comprised of property owners and stakeholders that are within the vicinity of the US 301 corridor through Coleman as well as the properties that could be potentially impacted by the proposed realignment alternatives. Two PAG meetings focusing on the potential realignment were held. The first realignment (truck route) focused PAG meeting was on July 9, 2015, and the second realignment focused PAG meeting was held on April 6, 2016. Both PAG meetings were held at the Trinity Baptist Church Fellowship Hall at 3305 C-468, Wildwood, FL 34785.

2.2.1 Project Advisory Group Meeting #1

Forty-five (45) interested parties attended the first PAG meeting on July 9, 2015. The purpose of the meeting was to provide an overview of the US 301 PD&E process and to obtain information regarding their concepts for a potential realignment around the City of Coleman. To facilitate the discussion of identifying the potential realignment alternatives, small groups were given road width and curve templates to place on a map. Each small group developed a conceptual alignment for a realignment.

Generally, the conceptual alignments were consistent with a realignment running south of the existing US 301 alignment near the City of Coleman. The starting and ending points of the different alignments somewhat deviated between the individual maps. Images of the maps generated by the small groups are shown in **Figure 2**.

Figure 2 | Potential Realignments Generated by PAG



The comments received at the first PAG meeting followed four primary themes:

1. Concern about impacts to existing homes and the character of the City of Coleman;
2. Concern about impacts to environmental resources (i.e. wetlands, springs, etc.);
3. Support for a realignment south of the existing US 301 alignment; and
4. Need for coordination with other road projects in the area.

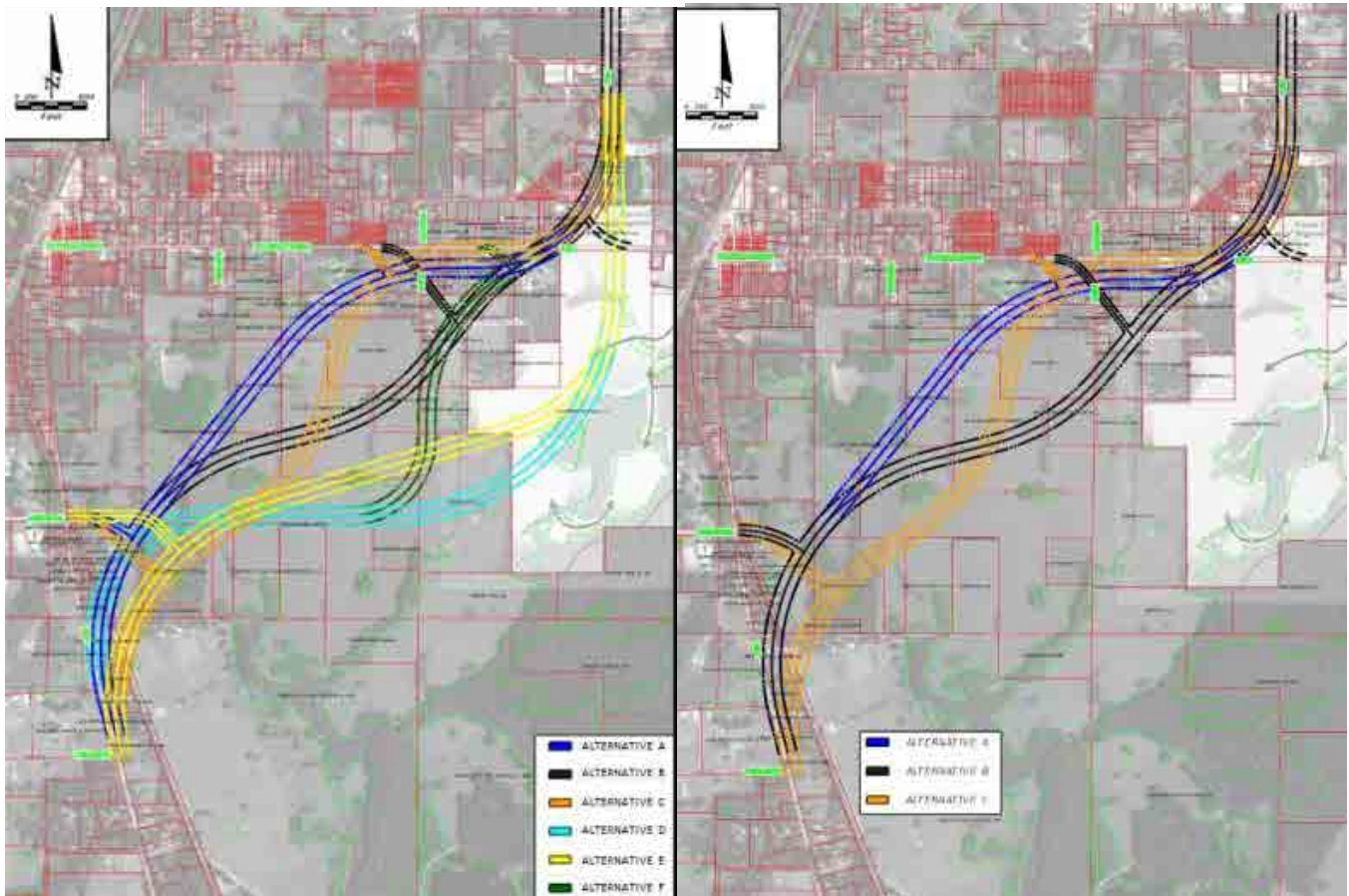
2.2.2 Project Advisory Group Meeting #2

Forty-three (43) interested parties attended the second PAG meeting on April 5, 2016. At the second PAG meeting, the Project Team presented six (6) initial realignment alternatives that were evaluated and considered. The realignment alternatives all considered a right-of-way width of 250 feet in order to allow flexibility for the specific alignment within the corridor. A graphical summary of the six (6) alternatives is shown in **Figure 3**.

Of the six (6) developed realignments, three (3) realignment alternatives were recommended by the study team for further evaluation. The realignments recommended for further study are presented in **Figure 4**.

The Project Team received input from meeting participants regarding the three (3) potential realignments. There was not a clear consensus on a preferred realignment alternative.

Figure 3 | Preliminary Truck Route Alternatives **Figure 4 Truck Route Alternatives for Further Consideration**



2.3 Alternatives Public Meeting 1

On September 20, 2016, the first Alternatives Public Meeting was held. Notification for the public meeting was mailed to approximately 500 properties within the US 301 project corridor and potential realignment location as well as e-mailed to interested citizens and stakeholders. Notification was also provided to applicable governmental agencies and elected and appointed officials. On September 8, 2016, the public meeting advertisement was published in the Sumter County Times. Additionally, to assure extensive outreach to low-income areas, public notifications were posted or made available at the US Post Office in Coleman, Coleman Community Center, Coleman Enrichment Center, Coleman City Hall, and Coleman City Park.

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Ninety (90) interested parties attended the public meeting. The public meeting was organized as an open house with a continuous looping PowerPoint presentation in a separate room. The purpose of the meeting was to present information regarding the three (3) potential realignment alternatives corridors; an evaluation of these corridors; and a preliminary evaluation of left vs. right side widening impacts for the entire project corridor. **Figure 5** shows the three refined potential realignment corridors. The realignment corridors were refined from the previous PAG meetings to incorporate a revised configuration for the proposed intersection at CR 525. The reconfiguration included one four-way “plus” intersection at CR 525. This change was made in order to accommodate a heavier east-west flow of traffic from CR 525 to the US 301 realignment rather than from the existing US 301 south of CR 525 to the proposed realignment. The reconfiguration will facilitate fewer intersections and safer, more direct travel for a greater number of motorists.

Figure 5 | Refined Realignment Alternatives

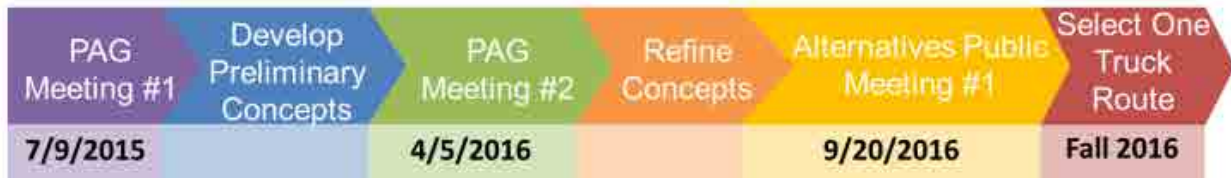


Regarding the realignment alternatives, the consensus communicated to the Project Team by the public was a preference for both Alternative B and Alternative C. It was also identified that there is concern about potential realignment alternatives or the US 301 mainline widening impacting the Coleman Oaks subdivision community well and septic system located on the west side of US 301, north of the CR 468 intersection.

3.0 Realignment Alternatives

Figure 6 shows the entirety of the Realignment Study Process. The figure demonstrates how the meetings served a key role in development and refinement of the realignment alternatives.

Figure 6 | Realignment Study Process



PAG Meeting #1 focused on defining the realignment area and a discussion of the initial realignment corridors. A total of six (6) realignment options were presented at the second PAG Meeting in April of 2016, and three were recommended for further study. The final three (3) realignment alternatives were further refined before being subjected to final evaluation and analysis. The additional refinement related to minor geometric changes to further avoid impacts to the number of parcels, wetlands, and floodplains while still meeting required design requirements for the horizontal alignment. The ultimate configuration of the three alternatives is shown in **Figure 7** below. These three alternatives, titled Alternative A, B, and C, respectively, all provide viable corridors for vehicular traffic between County Road 525 East and County Road 468. Based upon the analysis completed and the comments from the public and stakeholders, a single realignment is selected as a build alternative for US 301 PD&E Study.

3.1 Alternative A

Alternative A, shown in **Figure 8**, is the most direct route between CR 525 and CR 468. It connects to Warm Springs Avenue prior to reaching CR 468. It includes a northbound slip ramp at CR 525 and an access point to westbound Warm Springs Avenue west of Stokes Street. It follows the existing US 301 alignment around the curve at CR 468.

3.2 Alternative B

Alternative B, shown in **Figure 9**, is a diagonal connection between CR 525 and CR 468. It meets a 55 mph design speed for all typical section. It includes a northbound slip ramp at CR 525 and an access point east of CR 523 that allows for connections northbound to Stokes Street and westbound to Warm Springs Avenue. The primary corridor does not connect to Warm Springs Avenue, instead realigning with US 301 near the proposed terminus of CR 468.

3.3 Alternative C

Alternative C, shown in **Figure 10**, is a predominantly north-south connection between CR 525 and Warm Springs Avenue. It includes a northbound slip ramp at CR 525 and an access point to westbound Warm Springs Avenue west of Stokes Street. It also follows the existing US 301 alignment around the curve at CR 468.

Figure 7 | Final Realignment Alternatives

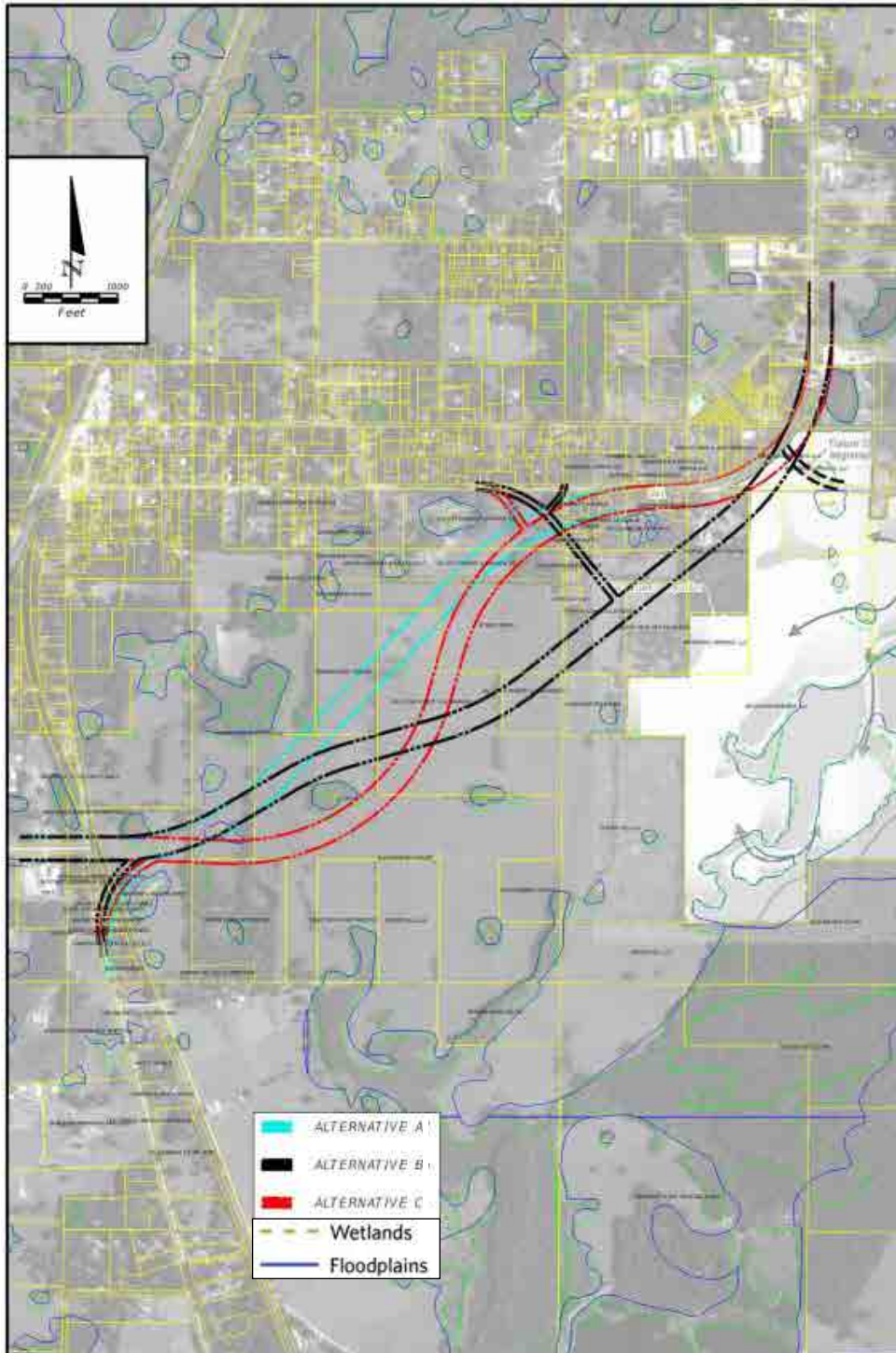


Figure 8 | Realignment Alternative A

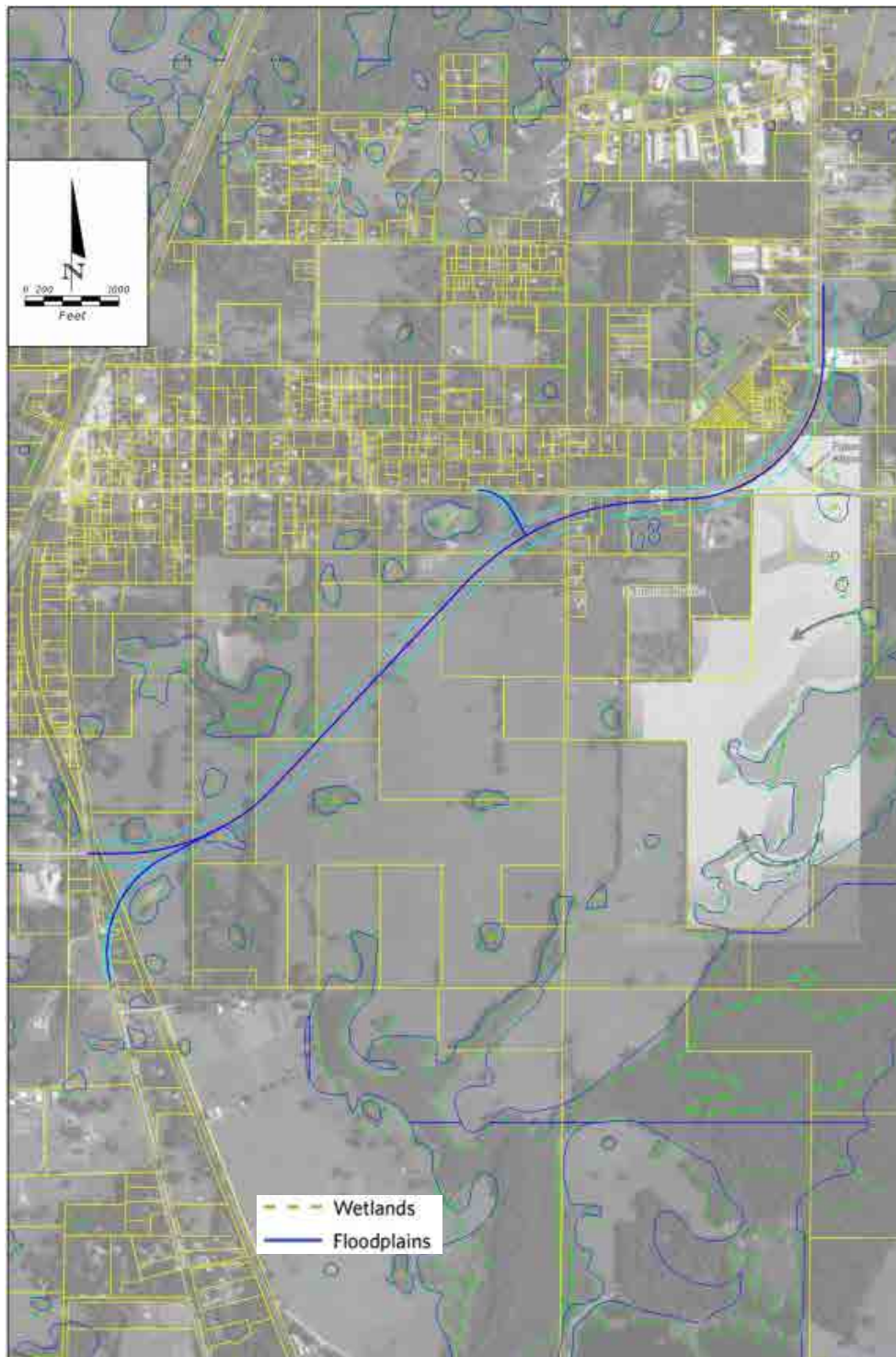


Figure 9 | Realignment Alternative B

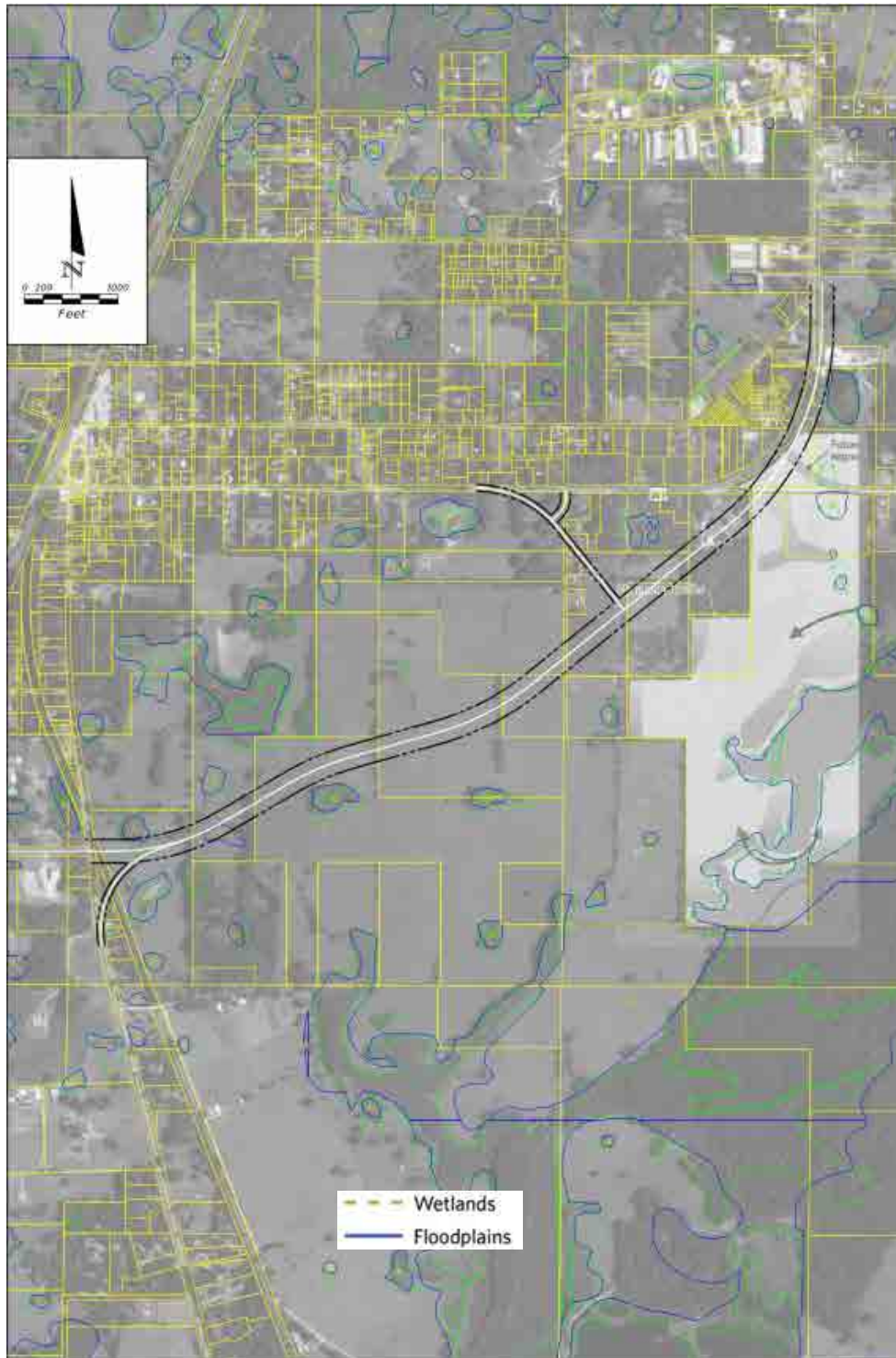
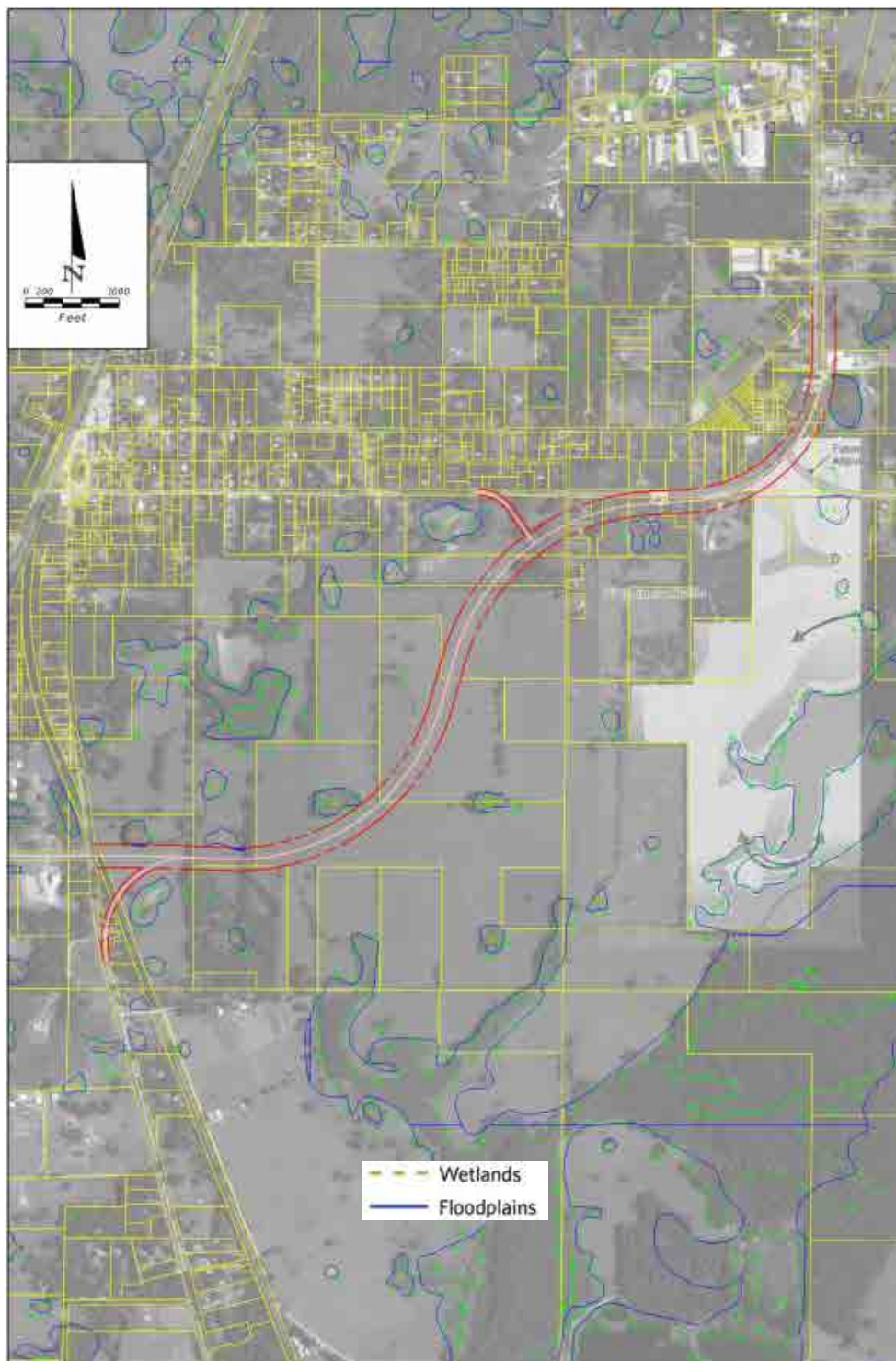


Figure 10 | Realignment Alternative C



4.0 Realignment Alternatives Analysis

Each of the realignment alternatives underwent a comprehensive impact evaluation based on five major categories: Social & Economic, Cultural, Natural, Physical, and Roadway/Traffic. The evaluation of criteria where differences could be identified among the alternatives (based on a 200 ft. corridor) is presented in a matrix format and is shown in **Table 2** below.

Table 2 | Realignment Alternatives Evaluation Matrix

Criteria	Alternative A	Alternative B	Alternative C
Social & Economic			
Potential Relocations	5	2	5
Follows Existing US 301 Curve	Yes	No	Yes
Preserves Community Integrity / Cohesiveness	High	Medium	Medium-High
Promotes Travel / Connectivity to the City of Coleman	High	Medium	Medium-High
Public Support	High	Medium	Medium-High
Cultural			
Impacts to Archaeological, Recreation, Parks, or Historic Sites	Low	Low	Low
Natural			
Wetland Impacts - # and (Acres)	4 (1.9 AC)	1 (1.3 AC)	5 (1.4 AC)
Floodplain Impacts - # and (Acres)	3 (1.0 AC)	2 (0.8 AC)	3 (0.2 AC)
Physical			
Parcel Impacts - # and (Acres)	32 (55.6 AC)	29 (58.2 AC)	32 (58.5 AC)
Roadway			
Maintains 55 mph Design Speed at CR 468 for All Typical Sections	No	Yes	No
Driveway spacing between Stokes St and CR 468 meets requirements	No	Yes	No

4.1 Social & Economic

Realignment Alternatives A and C have the potential to impact five (5) building structures that may result in relocations. Alternative B has two such impacts. Additionally, Alternatives A and C would each follow the existing alignment of US 301 along the CR 468 intersection curve, whereas Alternative B would require a completely new alignment in the vicinity of CR 468. Maintaining the alignment of the existing CR 468 curve allows more parcels that currently have frontage along US 301 to maintain this frontage and thus minimizes the number of parcels that could see a potential change in their commercial viability.

As previously discussed in Section 2, there was a high degree of public support for Alternative A due to its close proximity to the existing core of the City of Coleman along Warm Springs Avenue. Residents expressed concern that Alternative B would be far enough away to discourage motorists and

pedestrians from accessing businesses and community facilities along Warm Springs Avenue, which would be detrimental to the long-term economic potential of Coleman.

4.2 Cultural

None of the potential realignments would significantly impact any identified archaeological, recreation, parks, or historic sites within the project area.

4.3 Natural

Each of the realignment alternatives only has a relatively minor impact to the environmental criteria of floodplains and wetlands. The alternatives all have relatively the same impact related to the environmental criteria.

4.4 Physical

Each of the realignment alternatives impacts approximately the same number of parcels and requires approximately the same amount of acreage. As with the analysis of natural impacts, it was determined that impacts in terms of the number and acreage of parcels is relatively the same for the three alternatives.

4.5 Roadway

Realignment alternatives A and C each connect to Warm Springs Avenue prior to the CR 468 intersection and follow the existing US 301 curvature at CR 468. Alternative B is based on a less curvilinear alignment that would allow for a 55 mph design speed for all typical sections at the CR 468 intersection.

FDOT has established standards for the spacing of driveway and intersections. The spacing standards are based upon the classification or type of roadway and the speed of the roadway. Alternatives A and C would result in a greater number of parcels fronting the alignment between Stokes Street and CR 468 that would be legally allowed to have access to the roadway network. Due to the greater number of parcels fronting the alignment in this distance, these Alternatives may not meet the established driveway spacing standards without the potential use of frontage roads, Alternative B does not front the same parcels between Stokes Street and CR 468. Due to the lesser number of parcels fronting Alternative B in this segment it should be able to comply with FDOT driveway spacing standards without the use of frontage roads.

While Alternative B provides for roadway and traffic benefits of a higher design speed and less curvature, Alternatives A and C provides the opportunity for a design that will assist in reducing the design speed in an area where there is a greater potential need for context sensitivity. The alignment and curvature between CR 468 and the proposed connector road to Warm Springs Avenue represents a segment of corridor that is likely to have more bicycles and pedestrians interacting between the core of the City of Coleman along Warm Springs Avenue and the proposed mixed use site (with retail and

residential) at the Village of Fenney. This lower design speed will have a positive effect on how bicycles and pedestrians interact with vehicular traffic.

5.0 Recommendations

Various realignment alternatives were developed and screened with input from stakeholders and the public. The alternatives were refined and narrowed to three distinct alternatives. A comprehensive impact evaluation and assessment of the three showed there are not major significant quantitative differences among the three. While the alternatives are all approximately the same across the five categories of Social & Economic, Cultural, Natural, Physical and Roadway, the most notable overall differences were in the categories of Social & Economic and Roadway.

The metrics with noticeable differences within the Social & Economic category are mostly qualitative and relate to how the alternative will impact or change the community of Coleman and how the community felt about the alternative. If it moves forward, the US 301 project will be one of the most significant changes to the City of Coleman. A realignment of US 301 to create the realignment would significantly reduce the impacts of truck traffic on the City and allow for fewer impacts to the core of the community. However the realignment will also modify the access and travel to the City. Alternatives B and C received the most support from this active community. Alternative B was preferred due to the more cohesive driving experience while traveling along US 301. Alternative C was preferred because it kept more of the realigned US 301 in closer proximity to the City while avoiding the full impact of a widening along all of Warm Springs Avenue.

As it relates to the evaluation of the roadway criteria, it is important to consider that each of the alternatives will carry the same amount of traffic and will provide travel times that are also approximately the same. All three can also be designed to meet established standards for the safe operation of traffic. The most notable relatively minor difference in this category is related to the design speed that can be accommodated through the CR 468 curve. Alternative B offers a straighter alignment and can meet the design speed of 55 MPH for all standard FDOT typical sections. This could offer a slight decrease in travel time to the traffic along US 301, but it could also potentially encourage higher speeds in an area of the corridor that is likely to have the most pedestrian and bicycle activity in the future because it is the confluence of the Village of Fenney and City of Coleman. This is an area where a context sensitive approach should be considered and a lower design speed is not altogether a negative. As far as the driveway spacing standards, Alternatives A and C make use of a frontage road system if necessary in order to provide a safe spacing of the access along US 301, so this metric is good for a comparison but is not a deciding factor.

Based upon the analysis and public input received, the Study Team recommends advancing Alternative B/C, which combines the preferred features of both Alternatives B and C, for further detailed analysis. The alignment of Alternative B/C is shown in **Figure 11** and the impacts are shown in **Table 3**. Alternative B/C leaves fewer remnant parcels along the edges of the roadway corridor, lessening impacts to local property owners. This Alternative also promotes regional connectivity along US 301 by completing a major thoroughfare with a focus on mobility, particularly for freight travel.

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Each of the alternatives considered have approximately the same impacts, so by creating Alternative B/C this generates an alternative with the most community support, offers the most potential for a context sensitive approach and provides substantive qualitative community and economic benefits.

With the recommendation to move Realignment Alternative B/C forward for additional study, the realignment is still subject to future revisions based on engineering analysis and public involvement.

Figure 11 | Realignment Alternative B/C



Table 3 | Realignment Alternative B/C Impacts Comparison (150 foot corridor width)

Criteria	Alternative A	Alternative B	Alternative C	Alternative B/C
Social & Economic				
Potential Relocations	4	6	4	6
Follows Existing US 301 Curve	Yes	No	Yes	Yes
Preserves Community Integrity / Cohesiveness	High	Medium	Medium	Medium
Promotes Travel / Connectivity to the City of Coleman	High	Medium	Medium	Medium
Promotes Regional Travel / Connectivity	Medium	Medium	Medium	High
Consistency with Existing and Future Land Use	Yes	Yes	Yes	Yes
Aesthetic Impacts	Medium	Low	Medium	Low
Public Support	Medium	Medium	Medium-High	High
Cultural				
Impacts to Archaeological, Recreation, Parks, or Historic Sites	Low	Low	Low	Low
Natural				
Wetland Impacts - # and (Acres)	3 (0.8 AC)	1 (0.8 AC)	2 (0.5 AC)	1 (0.4 AC)
Floodplain Impacts - # and (Acres)	2 (0.6 AC)	1 (0.5 AC)	0	1 (<0.1 AC)
Physical				
Parcel Impacts - # and (Acres)	32 (37.6 AC)	30 (40.5 AC)	31 (40.9 AC)	31 (41.7 AC)
Roadway				
Maintains 55 mph Design Speed at CR 468 for All Typical Sections	No	Yes	No	Yes
Driveway spacing between Stokes St and CR 468 meets requirements	No	Yes	No	Yes
Right-of-Way Corridor Cost Estimates	\$20,442,000	\$23,404,500	\$20,694,500	\$23,181,500



APPENDIX



G

Proposed Median Opening
Locations

Figure 2 | Proposed Median Opening Locations Map - Frame 1

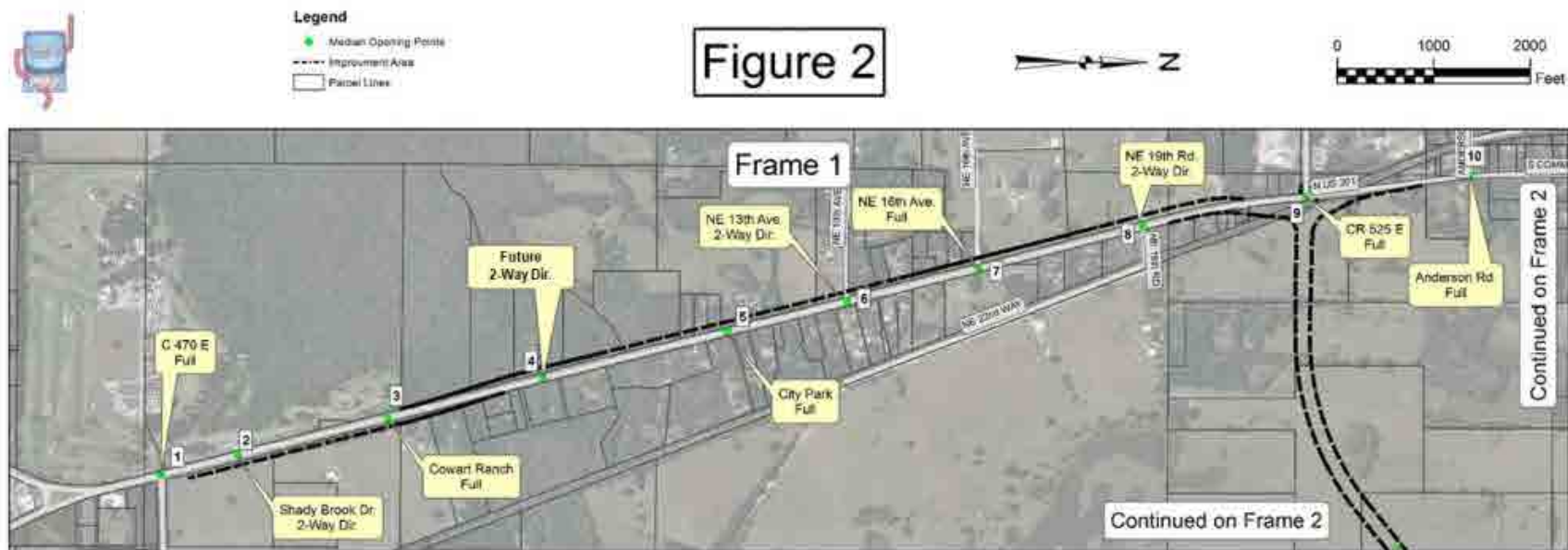
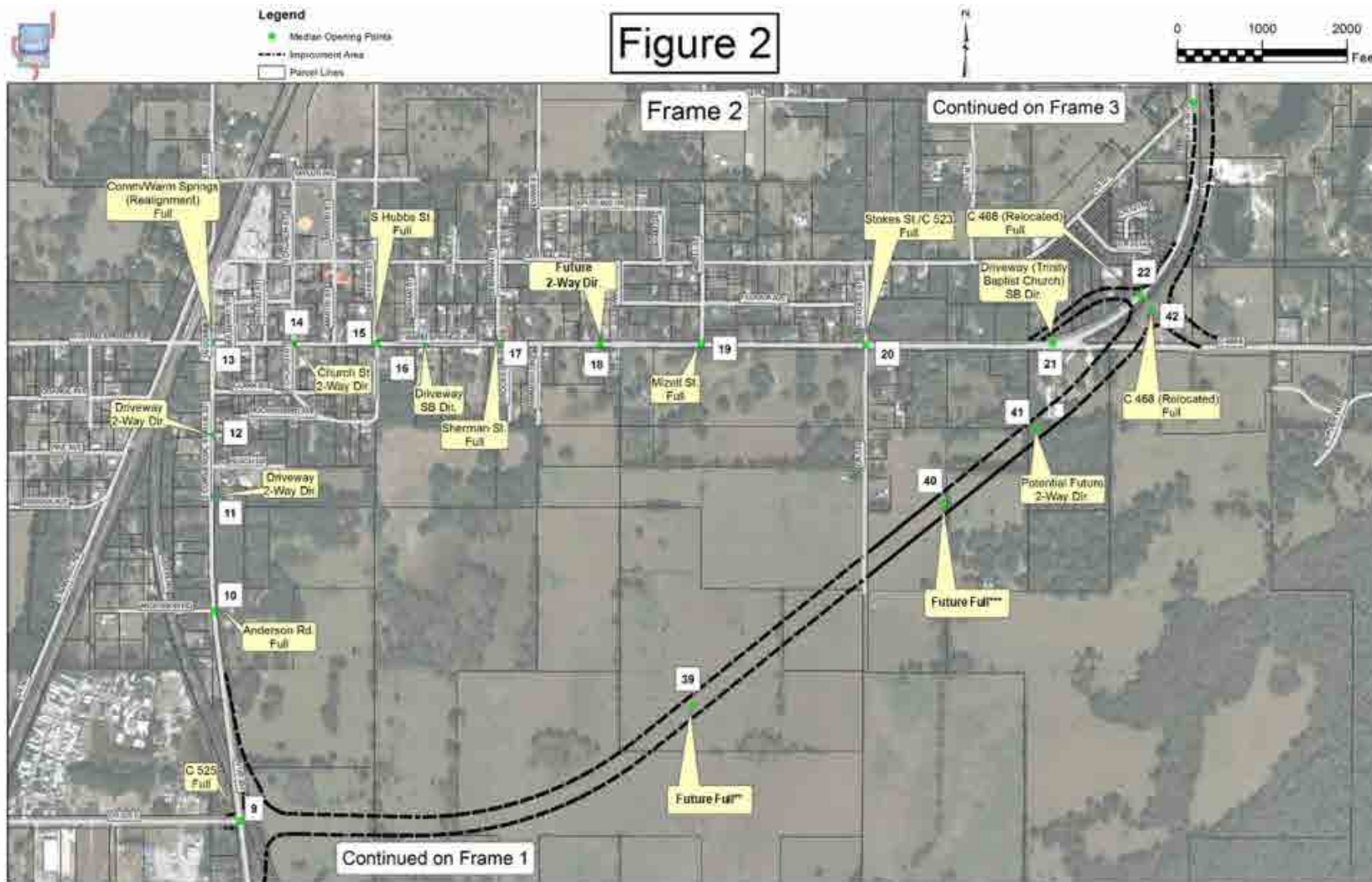


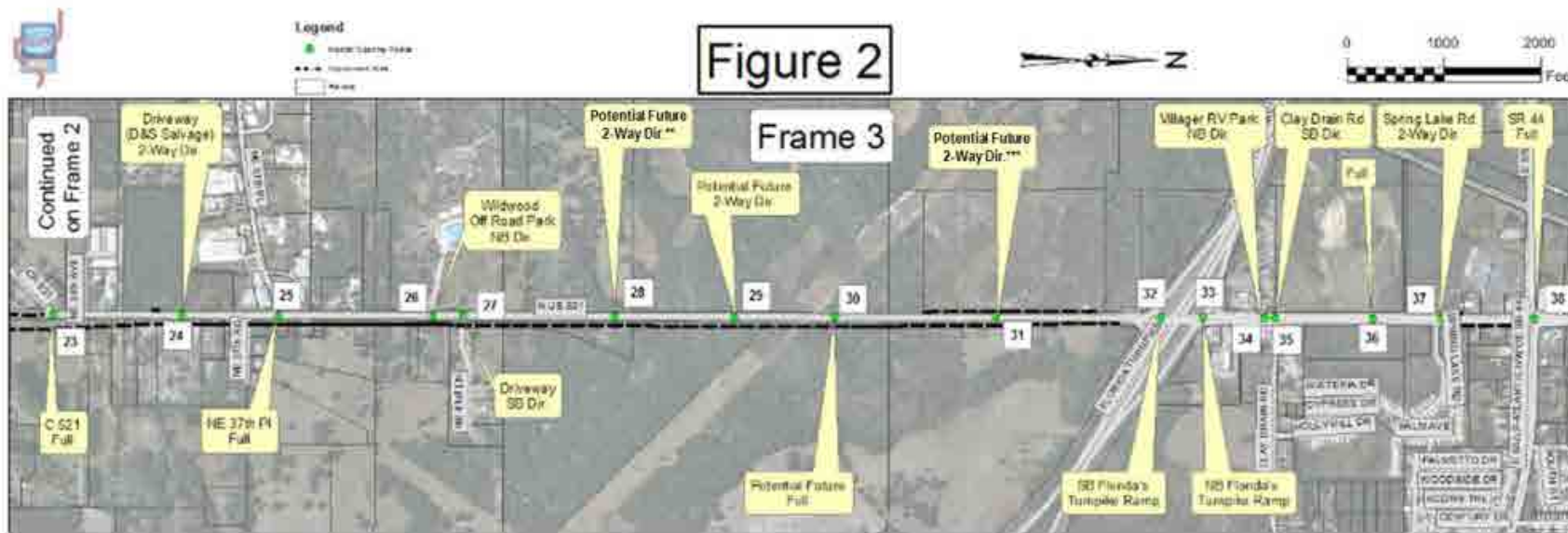
Figure 2 | Proposed Median Opening Locations Map – Frame 2



***To be constructed as Full Openings in order to allow access and U-turns to adjacent residences south of the new alignment. Left turn lanes do not need to be constructed initially just to serve these individual residences.*

****Full median opening provided at CR 521 to provide emergency access for the Fire Station located at 3290 CR 521, Wildwood.*

Figure 2 | Proposed Median Opening Locations Map – Frame 3



** For the first median opening north of 41st Ln, the northbound directional is conceptual only. The southbound directional provides access to an existing residential home.

***For the first median opening south of the interchange, the northbound directional is Potential Future only. The southbound provides for U-turns south of the interchange.



APPENDIX



H

Long Range Estimates

Date: 8/13/2018 11:54:47 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 430132-1-52-01

Letting Date: 01/2099

Description: SR 35 (US 301) from CR 470 to SR 44

District: 05 County: 18 SUMTER

Market Area: 07 Units: English

Contract Class: 1 Lump Sum Project: N

Design/Build: N Project Length: 7.702 MI

Project Manager: JJH

Version 3 Project Grand Total

\$69,361,560.52Description: SR 35 (US 301) from C-470 West to SR 44 (Truck Route Alternative) with DDI Alternative
(Preferred Alternative)

Sequence: 2 NDU - New Construction, Divided, Urban

Net Length: 0.606 MI
3,200 LF

Description: Urban Typical Section

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	62.75 / 62.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.606
Top of Structural Course For Begin Section	103.00
Top of Structural Course For End Section	103.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	9.22	AC	\$23,625.82	\$217,830.06
120-6	EMBANKMENT	38,429.34	CY	\$4.73	\$181,770.78
Earthwork Component Total					\$399,600.84

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	29.00 / 29.00
Structural Spread Rate	330
Friction Course Spread Rate	110

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,293.13	SY	\$3.61	\$87,698.20
285-709	OPTIONAL BASE,BASE GROUP 09	20,623.56	SY	\$12.50	\$257,794.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,402.89	TN	\$88.97	\$302,755.12
337-7-82	ASPH CONC FC,TRAFFIC C,FC- 9.5,PG 76-22	1,134.30	TN	\$346.79	\$393,363.90

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	20.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	Y

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,858.63	SY	\$3.61	\$17,539.65
285-709	OPTIONAL BASE,BASE GROUP 09	4,124.71	SY	\$12.50	\$51,558.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	680.58	TN	\$88.97	\$60,551.20
337-7-82	ASPH CONC FC,TRAFFIC C,FC- 9.5,PG 76-22	226.86	TN	\$346.79	\$78,672.78

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	245.00	EA	\$3.40	\$833.00
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.42	GM	\$927.86	\$2,245.42
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1.21	GM	\$367.95	\$445.22
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	2.42	GM	\$4,345.49	\$10,516.09
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	1.21	GM	\$1,090.56	\$1,319.58

Roadway Component Total

\$1,265,293.53

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	13.25 / 13.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	6.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	3,200.21	LF	\$15.97	\$51,107.35
520-1-10	CONCRETE CURB & GUTTER, TYPE F	3,200.21	LF	\$15.97	\$51,107.35
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	4,266.94	SY	\$39.30	\$167,690.74
570-1-2	PERFORMANCE TURF, SOD	3,555.79	SY	\$2.72	\$9,671.75

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	367.00	SY	\$40.66	\$14,922.22

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,400.42	LF	\$1.14	\$7,296.48
104-11	FLOATING TURBIDITY BARRIER	151.52	LF	\$9.91	\$1,501.56
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	151.52	LF	\$3.81	\$577.29
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,717.31	\$2,717.31
104-18	INLET PROTECTION SYSTEM	31.00	EA	\$92.68	\$2,873.08
107-1	LITTER REMOVAL	15.43	AC	\$39.14	\$603.93
107-2	MOWING	15.43	AC	\$49.96	\$770.88
Shoulder Component Total					\$310,839.94

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	27.50
Performance Turf Width	23.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	6,400.42	LF	\$28.02	\$179,339.77
570-1-2	PERFORMANCE TURF, SOD	8,178.31	SY	\$2.72	\$22,245.00
Median Component Total					\$201,584.77

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	10.91	CY	\$1,511.58	\$16,491.34
425-1-351	INLETS, CURB, TYPE P-5, <10'	22.00	EA	\$4,448.79	\$97,873.38
425-1-451	INLETS, CURB, TYPE J-5, <10'	7.00	EA	\$6,678.91	\$46,752.37
425-1-521	INLETS, DT BOT, TYPE C, <10'	4.00	EA	\$2,191.21	\$8,764.84
425-2-41	MANHOLES, P-7, <10'	4.00	EA	\$2,932.82	\$11,731.28
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,608.00	LF	\$71.64	\$115,197.12
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	144.00	LF	\$106.45	\$15,328.80
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	3,032.00	LF	\$159.77	\$484,422.64
570-1-1	PERFORMANCE TURF	184.25	SY	\$1.98	\$364.82

Retention Basin 1

Description	Value
Size	1.5 AC
Multiplier	5
Depth	7.25
Description	Basin 1, 11, 12, 15 and 16

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	7.50	AC	\$23,625.82	\$177,193.65
120-1	REGULAR EXCAVATION	87,725.00	CY	\$9.59	\$841,282.75
400-2-2	CONC CLASS II, ENDWALLS	56.50	CY	\$1,511.58	\$85,404.27
425-1-541	INLETS, DT BOT, TYPE D, <10'	5.00	EA	\$3,196.32	\$15,981.60
425-2-71	MANHOLES, J-7, <10'	5.00	EA	\$4,927.18	\$24,635.90
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	280.00	LF	\$130.60	\$36,568.00
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	1,000.00	LF	\$241.40	\$241,400.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	5,125.00	LF	\$11.82	\$60,577.50
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	5.00	EA	\$3,854.76	\$19,273.80
570-1-1	PERFORMANCE TURF	18,150.00	SY	\$1.98	\$35,937.00

Retention Basin 2

Description	Value
Size	2.5 AC
Multiplier	7
Depth	6.75
Description	Basins 2, 3, 4, 13, 14, 19, 20

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	17.50	AC	\$23,625.82	\$413,451.85
120-1	REGULAR EXCAVATION	190,575.00	CY	\$9.59	\$1,827,614.25
400-2-2	CONC CLASS II, ENDWALLS	79.10	CY	\$1,511.58	\$119,565.98
425-2-71	MANHOLES, J-7, <10'	7.00	EA	\$4,927.18	\$34,490.26
430-175-142	PIPE CULV, OPT MATL, ROUND,	392.00	LF	\$130.60	\$51,195.20

430-175-160	42"S/CD PIPE CULV, OPT MATL, ROUND, 60"S/CD	1,400.00 LF	\$241.40	\$337,960.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	9,345.00 LF	\$11.82	\$110,457.90
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	7.00 EA	\$3,854.76	\$26,983.32
570-1-1	PERFORMANCE TURF	42,350.00 SY	\$1.98	\$83,853.00

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-541	INLETS, DT BOT, TYPE D, <10'	7.00 EA	\$3,196.32	\$22,374.24

Retention Basin 3

Description	Value
Size	5 AC
Multiplier	1
Depth	13.00
Description	Basin 17

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00 AC	\$23,625.82	\$118,129.10
120-1	REGULAR EXCAVATION	62,920.00 CY	\$9.59	\$603,402.80
400-2-2	CONC CLASS II, ENDWALLS	11.30 CY	\$1,511.58	\$17,080.85
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00 EA	\$3,196.32	\$3,196.32
425-2-71	MANHOLES, J-7, <10'	2.00 EA	\$4,927.18	\$9,854.36
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00 LF	\$130.60	\$7,313.60
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	\$241.40	\$96,560.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00 LF	\$11.82	\$21,985.20
550-60-234	FENCE GATE, TYP B, SLIDE/CANT, 18.1-20' OPEN	1.00 EA	\$3,854.76	\$3,854.76
570-1-1	PERFORMANCE TURF	12,100.00 SY	\$1.98	\$23,958.00

Retention Basin 4

Description	Value
Size	1 AC
Multiplier	5
Depth	4.00
Description	FPC 1, 3, 4, 6, 7

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00 AC	\$23,625.82	\$118,129.10
120-1	REGULAR EXCAVATION	32,266.65 CY	\$9.59	\$309,437.17
570-1-1	PERFORMANCE TURF	24,200.00 SY	\$1.98	\$47,916.00

Retention Basin 5

Description	Value
Size	5 AC

Multiplier	1
Depth	4.00
Description	FPC 5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	\$23,625.82	\$118,129.10
120-1	REGULAR EXCAVATION	32,266.60	CY	\$9.59	\$309,436.69
570-1-1	PERFORMANCE TURF	24,200.00	SY	\$1.98	\$47,916.00
Drainage Component Total					\$7,219,426.11

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	15.00	AS	\$270.62	\$4,059.30
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$735.40	\$1,470.80
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	2.00	AS	\$4,613.93	\$9,227.86
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	2.00	AS	\$9,222.96	\$18,445.92
Signing Component Total					\$33,203.88

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description	Spacing	Pay Items	Quantity	Unit	Unit Price	Extended Amount	Value MIN
630-2-11		CONDUIT, F& I, OPEN TRENCH	3,200.21	LF	\$11.13	\$35,618.34	
630-2-12		CONDUIT, F& I, DIRECTIONAL BORE	635.19	LF	\$24.21	\$15,377.95	
635-2-11		PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$682.81	\$15,021.82	
715-1-13		LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	11,688.03	LF	\$2.57	\$30,038.24	
715-4-13		LIGHT POLE COMPLETE, F&I-STD, 40'	22.00	EA	\$5,665.14	\$124,633.08	
715-500-1		POLE CABLE DIST SYS, CONVENTIONAL	22.00	EA	\$622.31	\$13,690.82	
Subcomponent Total						\$234,380.24	
Lighting Component Total						\$234,380.25	

LANDSCAPING COMPONENT**User Input Data**

Description	Value
Cost %	1.00
Component Detail	N
Landscaping Component Total	\$95,966.40
<hr/>	
Sequence 2 Total	\$9,760,295.72
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Sequence: 3NDS - New, Divided, Suburban (Urban In/Rural Out)**Net Length:** 5.818 MI
30,720 LF**Description:** Suburban Typical Section**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	75.00 / 75.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	5.818
Top of Structural Course For Begin Section	103.00
Top of Structural Course For End Section	103.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	10 to 1 / 10 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	105.78	AC	\$23,625.82	\$2,499,139.24
120-6	EMBANKMENT	263,114.27	CY	\$4.73	\$1,244,530.50
Earthwork Component Total					\$3,743,669.74

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	28.00 / 28.00
Structural Spread Rate	330
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	263,373.62	SY	\$3.61	\$950,778.77
285-709	OPTIONAL BASE,BASE GROUP 09	195,652.88	SY	\$12.50	\$2,445,661.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	31,539.30	TN	\$88.97	\$2,806,051.52
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22,PMA	7,645.89	TN	\$150.13	\$1,147,877.47

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	20.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	N

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	52,674.72	SY	\$3.61	\$190,155.74
285-709	OPTIONAL BASE,BASE GROUP 09	39,130.58	SY	\$12.50	\$489,132.25
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,307.86	TN	\$88.97	\$561,210.30

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	2,356.00	EA	\$3.40	\$8,010.40
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	23.27	GM	\$927.86	\$21,591.30
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	11.64	GM	\$367.95	\$4,282.94
711-15-101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	23.27	GM	\$4,345.49	\$101,119.55
711-15-131	THERMOPLASTIC, STD-OP, WHITE, SKIP, 6"	11.64	GM	\$1,090.56	\$12,694.12
Roadway Component Total					\$8,738,565.36

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.00 / 8.00
Total Outside Shoulder Perf. Turf Width L/R	1.00 / 1.00
Paved Outside Shoulder Width L/R	7.00 / 7.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	50,039.62	SY	\$77.28	\$3,867,061.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	5,256.55	TN	\$88.97	\$467,675.25
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22,PMA	1,911.47	TN	\$150.13	\$286,968.99
570-1-2	PERFORMANCE TURF, SOD	6,826.69	SY	\$2.72	\$18,568.60

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
522-1	4" SIDEWALK CONCRETE	38,444.40 SY	\$39.30	\$1,510,864.92
	Comment: 5' Wide Sidewalk on both sides of Suburban Typical			

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	79,872.25 LF	\$1.14	\$91,054.36
104-11	FLOATING TURBIDITY BARRIER	1,454.55 LF	\$9.91	\$14,414.59
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	1,454.55 LF	\$3.81	\$5,541.84
104-15	SOIL TRACKING PREVENTION DEVICE	6.00 EA	\$2,717.31	\$16,303.86
104-18	INLET PROTECTION SYSTEM	47.00 EA	\$92.68	\$4,355.96
107-1	LITTER REMOVAL	104.32 AC	\$39.14	\$4,083.08
107-2	MOWING	104.32 AC	\$49.96	\$5,211.83
Shoulder Component Total				\$6,292,105.12

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	22.00
Performance Turf Width	17.50

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	61,440.19 LF	\$28.02	\$1,721,554.12
570-1-2	PERFORMANCE TURF, SOD	59,733.52 SY	\$2.72	\$162,475.17
Median Component Total				\$1,884,029.29

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	104.73 CY	\$1,511.58	\$158,307.77
425-1-551	INLETS, DT BOT, TYPE E, <10'	47.00 EA	\$4,020.83	\$188,979.01
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	2,424.00 LF	\$71.64	\$173,655.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	1,376.00 LF	\$106.45	\$146,475.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	47.00 EA	\$1,328.61	\$62,444.67
570-1-1	PERFORMANCE TURF	2,234.19 SY	\$1.98	\$4,423.70
Drainage Component Total				\$734,285.71

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	0
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	0
Cross Street Design Speed	45
T-Intersection?	Y
Multiplier	17
Description	17 Intersections - Accounts for Left Turn Lanes

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.71	AC	\$23,625.82	\$253,032.53
120-6	EMBANKMENT	42,187.71	CY	\$4.73	\$199,547.87
160-4	TYPE B STABILIZATION	31,620.00	SY	\$3.61	\$114,148.20
160-4	TYPE B STABILIZATION	16,831.70	SY	\$3.61	\$60,762.44
285-704	OPTIONAL BASE,BASE GROUP 04	3,551.13	SY	\$77.28	\$274,431.33
285-709	OPTIONAL BASE,BASE GROUP 09	31,620.00	SY	\$12.50	\$395,250.00
285-709	OPTIONAL BASE,BASE GROUP 09	13,280.57	SY	\$12.50	\$166,007.12
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	5,217.30	TN	\$88.97	\$464,183.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,386.63	TN	\$88.97	\$212,338.47
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22,PMA	1,264.80	TN	\$150.13	\$189,884.42
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	673.37	TN	\$148.60	\$100,062.78
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,551.13	SY	\$39.30	\$139,559.41
570-1-1	PERFORMANCE TURF	1,896.35	SY	\$1.98	\$3,754.77
Intersections Component Total					\$2,572,962.75

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	140.00	AS	\$270.62	\$37,886.80
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	12.00	AS	\$735.40	\$8,824.80
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	12.00	AS	\$4,090.38	\$49,084.56
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	12.00	AS	\$4,613.93	\$55,367.16
Signing Component Total					\$151,163.32

SIGNALIZATIONS COMPONENT
Signalization 1

Description	Value
Type	4 Lane Mast Arm
Multiplier	1
Description	1 Signalized Intersections - 37th Place

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$11.13	\$8,347.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$24.21	\$6,052.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$7,722.59	\$7,722.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$682.81	\$10,924.96
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,119.80	\$2,119.80
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$3.47	\$208.20
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$42,496.22	\$169,984.88
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$2,069.90	\$24,838.80
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$679.37	\$5,434.96
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$187.21	\$2,246.52
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$920.06	\$11,040.72
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$170.81	\$1,366.48
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$20,749.60	\$20,749.60
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$147.47	\$589.88
Signalizations Component Total					\$271,627.39

BRIDGES COMPONENT**Bridge 123456**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	118.11
Width (LF)	48.67
Type	Medium Level
Cost Factor	1.04
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$135.00
Factored Cost per SF	\$140.40
Final Cost per SF	\$149.95

Basic Bridge Cost **\$807,077.28**
 Description NEW SB SHADY BROOK BRIDGE

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	108.16	CY	\$381.42	\$41,254.39
415-1-9	REINF STEEL- APPROACH SLABS	18,928.00	LB	\$0.72	\$13,628.16
Bridge 123456 Total					\$861,959.83

Bridge 987654

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	118.11
Width (LF)	9.89
Type	Medium Level
Cost Factor	1.04
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$135.00
Factored Cost per SF	\$140.40
Final Cost per SF	\$149.95
Basic Bridge Cost	\$164,002.35
Description	WIDENING OF THE EXISTING BRIDGE FOR NB TRAFFIC

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	21.98	CY	\$381.42	\$8,383.61
415-1-9	REINF STEEL- APPROACH SLABS	3,846.50	LB	\$0.72	\$2,769.48
Bridge 987654 Total					\$175,155.44
Bridges Component Total					\$1,037,115.27

RETAINING WALLS COMPONENT

Retaining Wall 2

Description	Value
Length	115.00
Begin height	18.00
End Height	18.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	4,140.00	SF	\$29.13	\$120,598.20

Retaining Wall 3

Description	Value
Length	100.00
Begin height	5.00
End Height	18.00
Multiplier	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	4,600.00	SF	\$29.13	\$133,998.00

Retaining Walls Component Total \$254,596.20

Sequence 3 Total \$25,680,120.15

Sequence: 4 MIS - Miscellaneous Construction**Net Length:** 0.796 MI
4,200 LF**Description:** DDI with Bridge**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	18,076.00	SY	\$3.61	\$65,254.36
285-709	OPTIONAL BASE,BASE GROUP 09	17,686.00	SY	\$12.50	\$221,075.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,918.20	TN	\$88.97	\$259,632.25
337-7-82	ASPH CONC FC,TRAFFIC C,FC- 9.5,PG 76-22	972.70	TN	\$346.79	\$337,322.63
Roadway Component Total					\$883,284.24

SHOULDER COMPONENT**User Input Data****Description** **Value****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,753.00	LF	\$15.97	\$27,995.41
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,714.00	SY	\$39.30	\$67,360.20
570-1-2	PERFORMANCE TURF, SOD	641.00	SY	\$2.72	\$1,743.52
Shoulder Component Total					\$97,099.13

MEDIAN COMPONENT**User Input Data****Description** **Value****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-70	CONCRETE TRAFFIC SEPARATOR, SP- VAR WIDT	5,125.00	SY	\$80.13	\$410,666.25
Median Component Total					\$410,666.25

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-1	CONC CLASS II, CULVERTS	7.16	CY	\$766.86	\$5,490.72
425-1-551	INLETS, DT BOT, TYPE E, <10'	3.00	EA	\$4,020.83	\$12,062.49
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	168.00	LF	\$71.64	\$12,035.52

430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	96.00 LF	\$106.45	\$10,219.20
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	3.00 EA	\$1,328.61	\$3,985.83
570-1-1	PERFORMANCE TURF	153.00 SY	\$1.98	\$302.94
Drainage Component Total				\$44,096.70

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00 AS	\$270.62	\$1,353.10
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00 AS	\$735.40	\$1,470.80
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00 AS	\$4,090.38	\$8,180.76
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	2.00 AS	\$4,613.93	\$9,227.86
Signing Component Total				\$20,232.52

SIGNALIZATIONS COMPONENT

Signalization 1

Description	Value
Type	6 Lane Mast Arm
Multiplier	2
Description	

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,400.00 LF	\$11.13	\$15,582.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	600.00 LF	\$24.21	\$14,526.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00 PI	\$7,722.59	\$15,445.18
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	44.00 EA	\$682.81	\$30,043.64
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	2.00 AS	\$2,119.80	\$4,239.60
639-2-1	ELECTRICAL SERVICE WIRE, F&I	120.00 LF	\$3.47	\$416.40
641-2-11	PREST CNC POLE,F&I,TYP P- II,PEDESTAL	2.00 EA	\$1,121.60	\$2,243.20
649-1-10	STEEL STRAIN POLE, F&I, PEDESTAL	2.00 EA	\$1,505.77	\$3,011.54
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	12.00 EA	\$43,505.68	\$522,068.16
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	40.00 AS	\$2,069.90	\$82,796.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00 AS	\$679.37	\$10,869.92
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	40.00 EA	\$187.21	\$7,488.40

660-2-106	LOOP ASSEMBLY, F&I, TYPE F	40.00 AS	\$920.06	\$36,802.40
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00 EA	\$170.81	\$2,732.96
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00 AS	\$20,749.60	\$41,499.20
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00 EA	\$147.47	\$1,179.76

Interconnect Subcomponent

Description	Value
Type	U
Length of Fiber Run	500.00
Number of Intersections	2
Percentage of Underpavement Conduit	90.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-1-12	CONDUIT, F& I, UNDERGROUND	50.00	LF	\$6.81	\$340.50
630-1-13	CONDUIT, F&I, UNDER EXIST PAVT	450.00	LF	\$17.15	\$7,717.50
635-1-16	PULL & JUNCTION BOX, F&I, SPECIAL	2.00	EA	\$2,093.08	\$4,186.16
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	8.00	AS	\$824.73	\$6,597.84
Signalizations Component Total					\$809,786.36

LIGHTING COMPONENT

High Mast Lighting Subcomponent

Description	Value				
Multiplier (Number of Poles)	6				
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	3,000.00	LF	\$11.13	\$33,390.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	12.00	EA	\$682.81	\$8,193.72
715-1-12	LIGHTING CONDUCTORS, F&I, INSUL, NO.8-6	3,000.00	LF	\$1.49	\$4,470.00
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	9,000.00	LF	\$2.57	\$23,130.00
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE	1.00	EA	\$12,338.89	\$12,338.89
715-19-13	HIGH MAST LIGHT POLE, F&I, 120'	6.00	EA	\$60,000.00	\$360,000.00
715-500-2	POLE CABLE DISTRIBUTION SYS, HIGH MAST	6.00	EA	\$371.25	\$2,227.50
Subcomponent Total					\$443,750.11
Lighting Component Total					\$443,750.11

BRIDGES COMPONENT

Bridge 654321

Description	Value
Estimate Type	SF Estimate

Primary Estimate	YES
Length (LF)	162.00
Width (LF)	149.08
Type	Medium Level
Cost Factor	1.02
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$135.00
Factored Cost per SF	\$137.70
Final Cost per SF	\$144.66
Basic Bridge Cost	\$3,325,587.19
Description	

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	331.29	CY	\$381.42	\$126,360.63
415-1-9	REINF STEEL- APPROACH SLABS	57,975.75	LB	\$0.72	\$41,742.54
Bridge 654321 Total					\$3,493,690.36
Bridges Component Total					\$3,493,690.36

RETAINING WALLS COMPONENT

Retaining Wall 1

Description	Value
Length	155.00
Begin height	18.00
End Height	18.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	5,580.00	SF	\$29.13	\$162,545.40

Retaining Wall 2

Description	Value
Length	100.00
Begin height	5.00
End Height	18.00
Multiplier	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	4,600.00	SF	\$29.13	\$133,998.00

Retaining Walls Component Total					\$296,543.40
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Sequence 4 Total

\$6,499,149.07

Sequence: 5NUR - New Construction, Undivided, Rural**Net Length:** 0.147 MI
775 LF**Description:** Single Lane Ramp (NW)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.147
Top of Structural Course For Begin Section	103.00
Top of Structural Course For End Section	103.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.78	AC	\$23,625.82	\$42,053.96
120-6	EMBANKMENT	2,683.79	CY	\$4.73	\$12,694.33
Earthwork Component Total					\$54,748.29

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,325.31	SY	\$3.61	\$8,394.37
285-709	OPTIONAL BASE,BASE GROUP 09	1,348.68	SY	\$12.50	\$16,858.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	177.63	TN	\$88.97	\$15,803.74
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22,PMA	51.67	TN	\$150.13	\$7,757.22

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.29	GM	\$927.86	\$269.08
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.29	GM	\$3,715.13	\$1,077.39
Roadway Component Total					\$50,160.30

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips \bar{i} $\frac{1}{2}$ No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-701	OPTIONAL BASE,BASE GROUP 01	573.58	SY	\$13.16	\$7,548.31
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	56.84	TN	\$88.97	\$5,057.05
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22,PMA	20.67	TN	\$150.13	\$3,103.19
570-1-1	PERFORMANCE TURF	516.74	SY	\$1.98	\$1,023.15

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
550-10-150	TYPE A FENCING (8.1'-10')	750.00	LF	\$10.00	\$7,500.00

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,015.27	LF	\$1.14	\$2,297.41
104-11	FLOATING TURBIDITY BARRIER	36.70	LF	\$9.91	\$363.70
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	36.70	LF	\$3.81	\$139.83
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,717.31	\$2,717.31
107-1	LITTER REMOVAL	1.78	AC	\$39.14	\$69.67
107-2	MOWING	1.78	AC	\$49.96	\$88.93
Shoulder Component Total					\$29,908.55

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	2.64	CY	\$1,511.58	\$3,990.57
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	120.00	LF	\$62.38	\$7,485.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00	LF	\$106.45	\$2,554.80
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	6.00	EA	\$1,328.61	\$7,971.66
570-1-1	PERFORMANCE TURF	103.35	SY	\$1.98	\$204.63
Drainage Component Total					\$22,207.26

SIGNING COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	\$270.62	\$270.62
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$735.40	\$2,206.20
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$4,090.38	\$4,090.38
Signing Component Total					\$6,567.20

Sequence 5 Total	\$163,591.60
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Sequence: 6NUR - New Construction, Undivided, Rural**Net Length:** 0.388 MI
2,050 LF**Description:** Two Lane Ramp (NE, SW and SE)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.388
Top of Structural Course For Begin Section	103.00
Top of Structural Course For End Section	103.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	4.70	AC	\$23,625.82	\$111,041.35
120-6	EMBANKMENT	8,553.45	CY	\$4.73	\$40,457.82
Earthwork Component Total					\$151,499.17

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	10,023.32	SY	\$3.61	\$36,184.19
285-709	OPTIONAL BASE,BASE GROUP 09	5,617.61	SY	\$12.50	\$70,220.12
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	751.75	TN	\$88.97	\$66,883.20
337-7-22	ASPH CONC FC,INC BIT,FC- 5,PG76-22,PMA	218.69	TN	\$150.13	\$32,831.93

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	Y
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	1
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	1
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	52.00	EA	\$3.40	\$176.80
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.78	GM	\$927.86	\$723.73
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	0.39	GM	\$395.58	\$154.28
711-16-101	THERMOPLASTIC, STD-OTH, WHITE, SOLID, 6"	0.78	GM	\$3,715.13	\$2,897.80
711-16-231	THERMOPLASTIC, STD-OTH, YELLOW, SKIP, 6"	0.39	GM	\$1,259.71	\$491.29
Roadway Component Total					\$210,563.34

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips $\frac{1}{2}$ No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-701	OPTIONAL BASE,BASE GROUP 01	3,339.59	SY	\$13.16	\$43,949.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	350.82	TN	\$88.97	\$31,212.46
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	127.57	TN	\$150.13	\$19,152.08
570-1-1	PERFORMANCE TURF	1,366.82	SY	\$1.98	\$2,706.30

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
550-10-150	TYPE A FENCING (8.1'-10')	2,050.00	LF	\$10.00	\$20,500.00

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,330.58	LF	\$1.14	\$6,076.86
104-11	FLOATING TURBIDITY BARRIER	97.07	LF	\$9.91	\$961.96
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	97.07	LF	\$3.81	\$369.84
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,717.31	\$2,717.31
107-1	LITTER REMOVAL	4.71	AC	\$39.14	\$184.35
107-2	MOWING	4.71	AC	\$49.96	\$235.31

Shoulder Component Total

\$128,065.47

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	6.99 CY	\$1,511.58	\$10,565.94
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	312.00 LF	\$62.38	\$19,462.56
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	72.00 LF	\$106.45	\$7,664.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	16.00 EA	\$1,328.61	\$21,257.76
570-1-1	PERFORMANCE TURF	273.36 SY	\$1.98	\$541.25
Drainage Component Total				\$59,491.91

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00 AS	\$270.62	\$270.62
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	8.00 AS	\$735.40	\$5,883.20
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$4,090.38	\$4,090.38
Signing Component Total				\$10,244.20

Sequence 6 Total

\$559,864.09

Sequence: 7 MIS - Miscellaneous Construction**Net Length:** 0.114 MI
600 LF**Description:** Roundabout at CR 525**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,722.00 SY	\$3.61	\$89,246.42
285-709	OPTIONAL BASE,BASE GROUP 09	22,706.00 SY	\$12.50	\$283,825.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,747.00 TN	\$88.97	\$333,370.59
337-7-82	ASPH CONC FC,TRAFFIC C,FC- 9.5,PG 76-22	1,249.00 TN	\$346.79	\$433,140.71
Roadway Component Total				\$1,139,582.72

SHOULDER COMPONENT**User Input Data****Description** **Value****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
350-3-12	PLAIN CEMENT CONC PAVT, 11.5"	415.00 SY	\$76.92	\$31,921.80
520-1-7	CONCRETE CURB & GUTTER, TYPE E	6,575.00 LF	\$28.02	\$184,231.50
520-1-10	CONCRETE CURB & GUTTER, TYPE F	342.00 LF	\$15.97	\$5,461.74
520-2-8	CONCRETE CURB, TYPE RA	417.00 LF	\$31.98	\$13,335.66
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	4,755.00 SY	\$39.30	\$186,871.50
570-1-2	PERFORMANCE TURF, SOD	11,783.00 SY	\$2.72	\$32,049.76
Shoulder Component Total				\$453,871.96

Sequence 7 Total **\$1,593,454.68**

Sequence: 8 MIS - Miscellaneous Construction**Net Length:** 0.284 MI
1,500 LF**Description:** Roundabout at CR 468**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,368.00 SY	\$3.61	\$87,968.48
285-709	OPTIONAL BASE,BASE GROUP 09	22,218.00 SY	\$12.50	\$277,725.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,666.00 TN	\$88.97	\$326,164.02
337-7-82	ASPH CONC FC,TRAFFIC C,FC- 9.5,PG 76-22	1,222.00 TN	\$346.79	\$423,777.38
Roadway Component Total				\$1,115,634.88

SHOULDER COMPONENT**User Input Data****Description** **Value****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
350-3-12	PLAIN CEMENT CONC PAVT, 11.5"	428.00 SY	\$76.92	\$32,921.76
520-1-7	CONCRETE CURB & GUTTER, TYPE E	6,337.00 LF	\$28.02	\$177,562.74
520-1-10	CONCRETE CURB & GUTTER, TYPE F	355.00 LF	\$15.97	\$5,669.35
520-2-8	CONCRETE CURB, TYPE RA	430.00 LF	\$31.98	\$13,751.40
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,900.00 SY	\$39.30	\$113,970.00
570-1-2	PERFORMANCE TURF, SOD	16,075.00 SY	\$2.72	\$43,724.00
Shoulder Component Total				\$387,599.25

Sequence 8 Total **\$1,503,234.13**

Date: 8/13/2018 11:54:49 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 430132-1-52-01

Letting Date: 01/2099

Description: SR 35 (US 301) from CR 470 to SR 44

District: 05 County: 18 SUMTER

Market Area: 07 Units: English

Contract Class: 1 Lump Sum Project: N

Design/Build: N Project Length: 7.702 MI

Project Manager: JJH

Version 3 Project Grand Total**\$69,361,560.52**Description: SR 35 (US 301) from C-470 West to SR 44 (Truck Route Alternative) with DDI Alternative
(Preferred Alternative)

Project Sequences Subtotal		\$45,759,709.44
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102-1	Maintenance of Traffic	10.00 %	\$4,575,970.94
101-1	Mobilization	10.00 %	\$5,033,568.04

Project Sequences Total		\$55,369,248.42
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Project Unknowns	25.00 %	\$13,842,312.10
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Justification for high %: Project Unknowns determined by Risk assessment evaluating uncertainty and event risks, dated 8/10/18.

Design/Build	0.00 %	\$0.00
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Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal		\$150,000.00
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Version 3 Project Grand Total		\$69,361,560.52
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Date: 4/4/2017 8:56:11 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 430132-1-52-01

Letting Date: 01/2099

Description: SR 35 (US 301) from CR 470 to SR 44

District: 05 County: 18 SUMTER

Market Area: 07 Units: English

Contract Class: 1 Lump Sum Project: N

Design/Build: N Project Length: 7.702 MI

Project Manager: JJH

Version 4 Project Grand Total**\$62,324,169.28**Description: SR 35 (US 301) from C-470 West to SR 44 (Coleman Alternative) with TDI Alternative
(Alternative 1 with TDI)

Sequence: 2 NDU - New Construction, Divided, Urban

Net Length: 3.144 MI
16,600 LF

Description: Urban Typical Section

EARTHWORK COMPONENT**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	62.75 / 62.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	3.144
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	47.83	AC	\$23,625.82	\$1,130,022.97
120-6	EMBANKMENT	391,128.13	CY	\$4.73	\$1,850,036.05
Earthwork Component Total					\$2,980,059.03

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	29.00 / 29.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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160-4	TYPE B STABILIZATION	126,010.87 SY	\$3.61	\$454,899.24
285-709	OPTIONAL BASE,BASE GROUP 09	106,976.44 SY	\$12.50	\$1,337,205.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	17,651.11 TN	\$88.97	\$1,570,419.26
337-7-42	ASPH CONC FC,TRAFFIC C,FC-9.5,PG 76-22	8,825.56 TN	\$189.36	\$1,671,208.04

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	10.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	Y

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	12,601.09 SY	\$3.61	\$45,489.93
285-709	OPTIONAL BASE,BASE GROUP 09	10,697.64 SY	\$12.50	\$133,720.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,765.11 TN	\$88.97	\$157,041.84
337-7-42	ASPH CONC FC,TRAFFIC C,FC-9.5,PG 76-22	882.56 TN	\$189.36	\$167,121.56

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	1,273.00 EA	\$3.40	\$4,328.20
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	25.15 GM	\$927.86	\$23,335.68
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	12.58 GM	\$367.95	\$4,628.81

Roadway Component Total

\$5,569,398.56

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.25 / 12.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	5.00 / 5.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	16,599.79 LF	\$15.97	\$265,098.65

520-1-10	CONCRETE CURB & GUTTER, TYPE F	16,599.79 LF	\$15.97	\$265,098.65
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	18,444.21 SY	\$39.30	\$724,857.45
570-1-2	PERFORMANCE TURF, SOD	18,444.21 SY	\$2.72	\$50,168.25

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	33,199.58 LF	\$1.14	\$37,847.52
104-11	FLOATING TURBIDITY BARRIER	785.98 LF	\$10.15	\$7,977.70
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	785.98 LF	\$3.55	\$2,790.23
104-15	SOIL TRACKING PREVENTION DEVICE	4.00 EA	\$2,717.31	\$10,869.24
104-18	INLET PROTECTION SYSTEM	161.00 EA	\$92.68	\$14,921.48
107-1	LITTER REMOVAL	80.01 AC	\$39.14	\$3,131.59
107-2	MOWING	80.01 AC	\$49.96	\$3,997.30
Shoulder Component Total				\$1,386,758.06

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	27.50
Performance Turf Width	23.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	33,199.58 LF	\$28.02	\$930,252.23
570-1-2	PERFORMANCE TURF, SOD	42,421.69 SY	\$2.72	\$115,387.00
Median Component Total				\$1,045,639.23

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	56.59 CY	\$1,511.58	\$85,540.31
425-1-351	INLETS, CURB, TYPE P-5, <10'	114.00 EA	\$4,448.79	\$507,162.06
425-1-451	INLETS, CURB, TYPE J-5, <10'	32.00 EA	\$6,544.95	\$209,438.40
425-1-521	INLETS, DT BOT, TYPE C, <10'	16.00 EA	\$2,191.21	\$35,059.36
425-2-41	MANHOLES, P-7, <10'	16.00 EA	\$2,932.82	\$46,925.12
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	8,320.00 LF	\$71.64	\$596,044.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	744.00 LF	\$106.45	\$79,198.80
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	15,720.00 LF	\$159.77	\$2,511,584.40
570-1-1	PERFORMANCE TURF	955.75 SY	\$1.98	\$1,892.38

Retention Basin 1

Description	Value
Size	1.5 AC
Multiplier	8
Depth	6.00
Description	Basin 1, 7, 8, 9, 11, 12, 15 and 16

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	12.00	AC	\$23,625.82	\$283,509.84
120-1	REGULAR EXCAVATION	116,160.00	CY	\$9.02	\$1,047,763.20
400-2-2	CONC CLASS II, ENDWALLS	144.00	CY	\$1,511.58	\$217,667.52
425-1-541	INLETS, DT BOT, TYPE D, <10'	8.00	EA	\$3,196.32	\$25,570.56
425-2-71	MANHOLES, J-7, <10'	8.00	EA	\$4,927.18	\$39,417.44
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	448.00	LF	\$130.60	\$58,508.80
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	1,600.00	LF	\$237.33	\$379,728.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	8,200.00	LF	\$11.82	\$96,924.00
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	8.00	EA	\$2,099.76	\$16,798.08
570-1-1	PERFORMANCE TURF	58,080.00	SY	\$1.98	\$114,998.40

Retention Basin 2

Description	Value
Size	2.5 AC
Multiplier	8
Depth	6.00
Description	Basins 2, 3, 4, 5, 6, 10, 13, 14

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	20.00	AC	\$23,625.82	\$472,516.40
120-1	REGULAR EXCAVATION	193,600.00	CY	\$9.02	\$1,746,272.00
400-2-2	CONC CLASS II, ENDWALLS	144.00	CY	\$1,511.58	\$217,667.52
425-1-361	INLETS, CURB, TYPE P-6, <10'	8.00	EA	\$4,513.05	\$36,104.40
425-2-71	MANHOLES, J-7, <10'	8.00	EA	\$4,927.18	\$39,417.44
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	448.00	LF	\$130.60	\$58,508.80
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	1,600.00	LF	\$237.33	\$379,728.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	10,680.00	LF	\$11.82	\$126,237.60
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	8.00	EA	\$2,099.76	\$16,798.08
570-1-1	PERFORMANCE TURF	96,800.00	SY	\$1.98	\$191,664.00

Retention Basin 3

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	Basin 17

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	\$23,625.82	\$118,129.10
120-1	REGULAR EXCAVATION	48,400.00	CY	\$9.02	\$436,568.00
400-2-2	CONC CLASS II, ENDWALLS	30.00	CY	\$1,511.58	\$45,347.40
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00	EA	\$3,196.32	\$3,196.32
425-2-71	MANHOLES, J-7, <10'	2.00	EA	\$4,927.18	\$9,854.36
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00	LF	\$130.60	\$7,313.60
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00	LF	\$237.33	\$94,932.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00	LF	\$11.82	\$21,985.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00	EA	\$2,099.76	\$4,199.52
570-1-1	PERFORMANCE TURF	24,200.00	SY	\$1.98	\$47,916.00

Retention Basin 4

Description	Value
Size	1 AC
Multiplier	6
Depth	6.00
Description	FPC 1, 2, 3, 4, 6, 7

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	6.00	AC	\$23,625.82	\$141,754.92
120-1	REGULAR EXCAVATION	58,080.00	CY	\$9.02	\$523,881.60
400-2-2	CONC CLASS II, ENDWALLS	108.00	CY	\$1,511.58	\$163,250.64
425-1-541	INLETS, DT BOT, TYPE D, <10'	6.00	EA	\$3,196.32	\$19,177.92
425-2-71	MANHOLES, J-7, <10'	6.00	EA	\$4,927.18	\$29,563.08
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	336.00	LF	\$130.60	\$43,881.60
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	1,200.00	LF	\$237.33	\$284,796.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	5,040.00	LF	\$11.82	\$59,572.80
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	6.00	EA	\$2,099.76	\$12,598.56
570-1-1	PERFORMANCE TURF	29,040.00	SY	\$1.98	\$57,499.20

Retention Basin 5

Description	Value
Size	5 AC
Multiplier	1
Depth	6.00
Description	FPC 5

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.00	AC	\$23,625.82	\$118,129.10
120-1	REGULAR EXCAVATION	48,400.00	CY	\$9.02	\$436,568.00

400-2-2	CONC CLASS II, ENDWALLS	30.00 CY	\$1,511.58	\$45,347.40
425-1-541	INLETS, DT BOT, TYPE D, <10'	1.00 EA	\$3,196.32	\$3,196.32
425-2-71	MANHOLES, J-7, <10'	2.00 EA	\$4,927.18	\$9,854.36
430-175-142	PIPE CULV, OPT MATL, ROUND, 42"S/CD	56.00 LF	\$130.60	\$7,313.60
430-175-160	PIPE CULV, OPT MATL, ROUND, 60"S/CD	400.00 LF	\$237.33	\$94,932.00
550-10-220	FENCING, TYPE B, 5.1-6.0', STANDARD	1,860.00 LF	\$11.82	\$21,985.20
550-60-234	FENCE GATE,TYP B,SLIDE/CANT,18.1-20'OPEN	2.00 EA	\$2,099.76	\$4,199.52
570-1-1	PERFORMANCE TURF	24,200.00 SY	\$1.98	\$47,916.00
Drainage Component Total				\$12,553,505.03

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	76.00 AS	\$270.62	\$20,567.12
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	7.00 AS	\$735.40	\$5,147.80
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	7.00 AS	\$4,666.93	\$32,668.51
700-2-16	MULTI- POST SIGN, F&I GM, 101- 200 SF	7.00 AS	\$9,382.01	\$65,674.07
Signing Component Total				\$124,057.50

LANDSCAPING COMPONENT**User Input Data**

Description	Value
Cost %	1.00
Component Detail	N

Landscaping Component Total	\$227,124.00
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Sequence 2 Total	\$23,886,541.41
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Sequence: 3NDS - New, Divided, Suburban (Urban In/Rural Out)**Net Length:** 4.432 MI
23,400 LF**Description:** Suburban Typical Section**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	74.00 / 74.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	4.432
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	79.51	AC	\$23,625.82	\$1,878,488.95
120-6	EMBANKMENT	411,631.55	CY	\$4.73	\$1,947,017.23
Earthwork Component Total					\$3,825,506.18

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	28.00 / 28.00
Structural Spread Rate	330
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	200,615.18	SY	\$3.61	\$724,220.80
285-709	OPTIONAL BASE,BASE GROUP 09	149,031.39	SY	\$12.50	\$1,862,892.38
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	24,023.90	TN	\$88.97	\$2,137,406.38
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	5,823.98	TN	\$150.13	\$874,354.12

Turnouts/Crossovers Subcomponent

Description	Value
Asphalt Adjustment	10.00
Stabilization Code	Y
Base Code	Y
Friction Course Code	N

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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160-4	TYPE B STABILIZATION	20,061.52 SY	\$3.61	\$72,422.09
285-709	OPTIONAL BASE,BASE GROUP 09	14,903.14 SY	\$12.50	\$186,289.25
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	2,402.39 TN	\$88.97	\$213,740.64

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	1,795.00 EA	\$3.40	\$6,103.00
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	35.45 GM	\$927.86	\$32,892.64
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	17.73 GM	\$367.95	\$6,523.75
Roadway Component Total				\$6,116,845.05

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.00 / 8.00
Total Outside Shoulder Perf. Turf Width L/R	1.00 / 1.00
Paved Outside Shoulder Width L/R	7.00 / 7.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	38,115.84 SY	\$77.28	\$2,945,592.12
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,003.98 TN	\$88.97	\$356,234.10
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	1,455.99 TN	\$150.13	\$218,587.78
570-1-2	PERFORMANCE TURF, SOD	5,199.98 SY	\$2.72	\$14,143.95

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
522-1	4" SIDEWALK CONCRETE Comment: 5' Wide Sidewalk on both sides of Suburban Typical	26,000.00 SY	\$39.30	\$1,021,800.00

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	60,839.75	LF	\$1.14	\$69,357.32
104-11	FLOATING TURBIDITY BARRIER	1,107.95	LF	\$10.15	\$11,245.69
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	1,107.95	LF	\$3.55	\$3,933.22
104-15	SOIL TRACKING PREVENTION DEVICE	5.00	EA	\$2,717.31	\$13,586.55
104-18	INLET PROTECTION SYSTEM	36.00	EA	\$92.68	\$3,336.48
107-1	LITTER REMOVAL	79.46	AC	\$39.14	\$3,110.06
107-2	MOWING	79.46	AC	\$49.96	\$3,969.82
Shoulder Component Total					\$4,664,897.09

MEDIAN COMPONENT

User Input Data

Description	Value
Total Median Width	22.00
Performance Turf Width	17.50

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	46,799.81	LF	\$28.02	\$1,311,330.68
570-1-2	PERFORMANCE TURF, SOD	45,499.81	SY	\$2.72	\$123,759.48
Median Component Total					\$1,435,090.16

DRAINAGE COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	79.77	CY	\$1,511.58	\$120,578.74
425-1-551	INLETS, DT BOT, TYPE E, <10'	36.00	EA	\$3,562.87	\$128,263.32
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,848.00	LF	\$71.64	\$132,390.72
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	1,048.00	LF	\$106.45	\$111,559.60
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	36.00	EA	\$1,457.55	\$52,471.80
570-1-1	PERFORMANCE TURF	1,701.81	SY	\$1.98	\$3,369.58
Drainage Component Total					\$548,633.76

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	2
Mainline No. of Right Turn Lanes	2
Mainline Design Speed	55
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	2
Cross Street No. of Right Turn Lanes	2

Cross Street Design Speed 45
 T-Intersection? N
 Multiplier 8
 Description 8 Major Intersections
 (Signalized)

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	15.52	AC	\$23,625.82	\$366,672.73
120-6	EMBANKMENT	72,838.96	CY	\$4.73	\$344,528.28
160-4	TYPE B STABILIZATION	25,525.36	SY	\$3.61	\$92,146.55
160-4	TYPE B STABILIZATION	34,003.28	SY	\$3.61	\$122,751.84
285-704	OPTIONAL BASE,BASE GROUP 04	4,906.64	SY	\$77.28	\$379,185.14
285-709	OPTIONAL BASE,BASE GROUP 09	25,525.36	SY	\$12.50	\$319,067.00
285-709	OPTIONAL BASE,BASE GROUP 09	29,096.64	SY	\$12.50	\$363,708.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,211.68	TN	\$88.97	\$374,713.17
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	5,070.80	TN	\$88.97	\$451,149.08
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	1,021.04	TN	\$150.13	\$153,288.74
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	1,360.08	TN	\$150.13	\$204,188.81
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	4,906.64	SY	\$39.30	\$192,830.95
570-1-1	PERFORMANCE TURF	2,620.16	SY	\$1.98	\$5,187.92
Intersections Component Total					\$3,369,418.24

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	107.00	AS	\$270.62	\$28,956.34
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	9.00	AS	\$735.40	\$6,618.60
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	9.00	AS	\$3,937.00	\$35,433.00
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	9.00	AS	\$4,666.93	\$42,002.37
Signing Component Total					\$113,010.31

SIGNALIZATIONS COMPONENT

Signalization 1

Description **Value**
 Type 4 Lane Strain Pole
 Multiplier 8
 Description 8 Signalized Intersections

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,000.00	LF	\$11.13	\$66,780.00

630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,600.00 LF	\$24.21	\$38,736.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	8.00 PI	\$7,722.59	\$61,780.72
634-4-143	SPAN WIRE ASSEMBLY, F&I, SINGLE PT, BOX	8.00 PI	\$2,310.94	\$18,487.52
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	112.00 EA	\$682.81	\$76,474.72
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	8.00 AS	\$2,119.80	\$16,958.40
639-2-1	ELECTRICAL SERVICE WIRE, F&I	240.00 LF	\$3.47	\$832.80
641-2-16	PREST CNC POLE,F&I,TYP P-VI	32.00 EA	\$13,262.00	\$424,384.00
650-1-14	TRAFFIC SIGNAL,F&I ALUMINUM, 3 S 1 W	96.00 AS	\$2,069.90	\$198,710.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	64.00 AS	\$679.37	\$43,479.68
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	96.00 EA	\$176.09	\$16,904.64
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	96.00 AS	\$918.52	\$88,177.92
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	64.00 EA	\$170.81	\$10,931.84
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	8.00 AS	\$20,749.60	\$165,996.80
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	32.00 EA	\$156.45	\$5,006.40
Signalizations Component Total				\$1,233,641.84

BRIDGES COMPONENT

Bridge 123456

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	118.11
Width (LF)	97.33
Type	Medium Level
Cost Factor	1.04
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$135.00
Factored Cost per SF	\$140.40
Final Cost per SF	\$149.98
Basic Bridge Cost	\$1,613,988.74
Description	SHADY BROOK BRIDGE

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	216.29	CY	\$346.67	\$74,981.25
415-1-9	REINF STEEL- APPROACH SLABS	37,850.75	LB	\$0.93	\$35,201.20
Bridge 123456 Total					\$1,724,171.19

Bridge 654321

Description	Value
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Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	170.00
Width (LF)	149.08
Type	Medium Level
Cost Factor	1.02
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$135.00
Factored Cost per SF	\$137.70
Final Cost per SF	\$144.36
Basic Bridge Cost	\$3,489,813.72
Description	TDI BRIDGE

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	331.29	CY	\$346.67	\$114,848.30
415-1-9	REINF STEEL- APPROACH SLABS	57,975.75	LB	\$0.93	\$53,917.45
Bridge 654321 Total					\$3,658,579.47
Bridges Component Total					\$5,382,750.66
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Sequence 3 Total					\$26,689,793.29
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Sequence: 4 NUR - New Construction, Undivided, Rural**Net Length:** 0.147 MI
775 LF**Description:** Single Lane Ramp (NW)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.147
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.78	AC	\$23,625.82	\$42,053.96
120-6	EMBANKMENT	6,643.93	CY	\$4.73	\$31,425.79
Earthwork Component Total					\$73,479.75

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	7.50 / 7.50
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	2,325.31	SY	\$3.61	\$8,394.37
285-709	OPTIONAL BASE,BASE GROUP 09	1,348.68	SY	\$12.50	\$16,858.50
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	177.63	TN	\$88.97	\$15,803.74
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	51.67	TN	\$150.13	\$7,757.22

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.59 GM	\$927.86	\$547.44
Roadway Component Total				\$49,361.27

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	2.00 / 4.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-701	OPTIONAL BASE,BASE GROUP 01	573.58 SY	\$13.16	\$7,548.31
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	56.84 TN	\$88.97	\$5,057.05
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	20.67 TN	\$150.13	\$3,103.19
570-1-2	PERFORMANCE TURF, SOD	516.74 SY	\$2.72	\$1,405.53

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
550-10-150	TYPE A FENCING (8.1'-10')	750.00 LF	\$10.00	\$7,500.00

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,015.27 LF	\$1.14	\$2,297.41
104-11	FLOATING TURBIDITY BARRIER	36.70 LF	\$10.15	\$372.50
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	36.70 LF	\$3.55	\$130.28
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,717.31	\$2,717.31
107-1	LITTER REMOVAL	1.78 AC	\$39.14	\$69.67
107-2	MOWING	1.78 AC	\$49.96	\$88.93
Shoulder Component Total				\$30,290.19

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price
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				Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	2.64 CY	\$1,511.58	\$3,990.57
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	120.00 LF	\$68.03	\$8,163.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	24.00 LF	\$106.45	\$2,554.80
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	6.00 EA	\$1,457.55	\$8,745.30
570-1-1	PERFORMANCE TURF	103.35 SY	\$1.98	\$204.63
Drainage Component Total				\$23,658.90

SIGNING COMPONENT

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	\$270.62	\$270.62
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$735.40	\$735.40
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$3,937.00	\$3,937.00
Signing Component Total					\$4,943.02

Sequence 4 Total	\$181,733.13
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Sequence: 5NUR - New Construction, Undivided, Rural**Net Length:** 0.388 MI
2,050 LF**Description:** Two Lane Ramps (NE, SW and SE)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.00 / 50.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.388
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	4.70	AC	\$23,625.82	\$111,041.35
120-6	EMBANKMENT	20,984.90	CY	\$4.73	\$99,258.58
Earthwork Component Total					\$210,299.93

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	12.00 / 12.00
Structural Spread Rate	275
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	10,023.32	SY	\$3.61	\$36,184.19
285-709	OPTIONAL BASE,BASE GROUP 09	5,617.61	SY	\$12.50	\$70,220.12
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	751.75	TN	\$88.97	\$66,883.20
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	218.69	TN	\$150.13	\$32,831.93

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	52.00	EA	\$3.40	\$176.80
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.55	GM	\$927.86	\$1,438.18
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.78	GM	\$367.95	\$287.00
Roadway Component Total					\$208,021.42

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	4.00 / 2.00
Paved Outside Shoulder Width L/R	4.00 / 10.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-701	OPTIONAL BASE,BASE GROUP 01	3,339.59	SY	\$13.16	\$43,949.00
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	350.82	TN	\$88.97	\$31,212.46
337-7-22	ASPH CONC FC,INC BIT,FC-5,PG76-22,PMA	127.57	TN	\$150.13	\$19,152.08
570-1-2	PERFORMANCE TURF, SOD	1,366.82	SY	\$2.72	\$3,717.75

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
550-10-150	TYPE A FENCING (8.1'-10')	2,050.00	LF	\$10.00	\$20,500.00

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,330.58	LF	\$1.14	\$6,076.86
104-11	FLOATING TURBIDITY BARRIER	97.07	LF	\$10.15	\$985.26
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	97.07	LF	\$3.55	\$344.60
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,717.31	\$2,717.31
107-1	LITTER REMOVAL	4.71	AC	\$39.14	\$184.35
107-2	MOWING	4.71	AC	\$49.96	\$235.31
Shoulder Component Total					\$129,074.98

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	6.99 CY	\$1,511.58	\$10,565.94
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	312.00 LF	\$68.03	\$21,225.36
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	72.00 LF	\$106.45	\$7,664.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	16.00 EA	\$1,457.55	\$23,320.80
570-1-1	PERFORMANCE TURF	273.36 SY	\$1.98	\$541.25
Drainage Component Total				\$63,317.75

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	3.00 AS	\$270.62	\$811.86
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00 AS	\$735.40	\$2,206.20
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	3.00 AS	\$3,937.00	\$11,811.00
Signing Component Total				\$14,829.06

Sequence 5 Total	\$625,543.14
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Date: 4/4/2017 8:56:14 AM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 430132-1-52-01

Letting Date: 01/2099

Description: SR 35 (US 301) from CR 470 to SR 44

District: 05 County: 18 SUMTER

Market Area: 07 Units: English

Contract Class: 1 Lump Sum Project: N

Design/Build: N Project Length: 7.702 MI

Project Manager: JJH

Version 4 Project Grand Total**\$62,324,169.28**Description: SR 35 (US 301) from C-470 West to SR 44 (Coleman Alternative) with TDI Alternative
(Alternative 1 with TDI)

Project Sequences Subtotal **\$51,383,610.97**

102-1	Maintenance of Traffic	10.00 %	\$5,138,361.10
101-1	Mobilization	10.00 %	\$5,652,197.21

Project Sequences Total **\$62,174,169.28**

Project Unknowns	25.00 %	\$15,543,542.32
Design/Build	0.00 %	\$0.00

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal **\$150,000.00**
Version 4 Project Grand Total **\$77,867,711.60**