

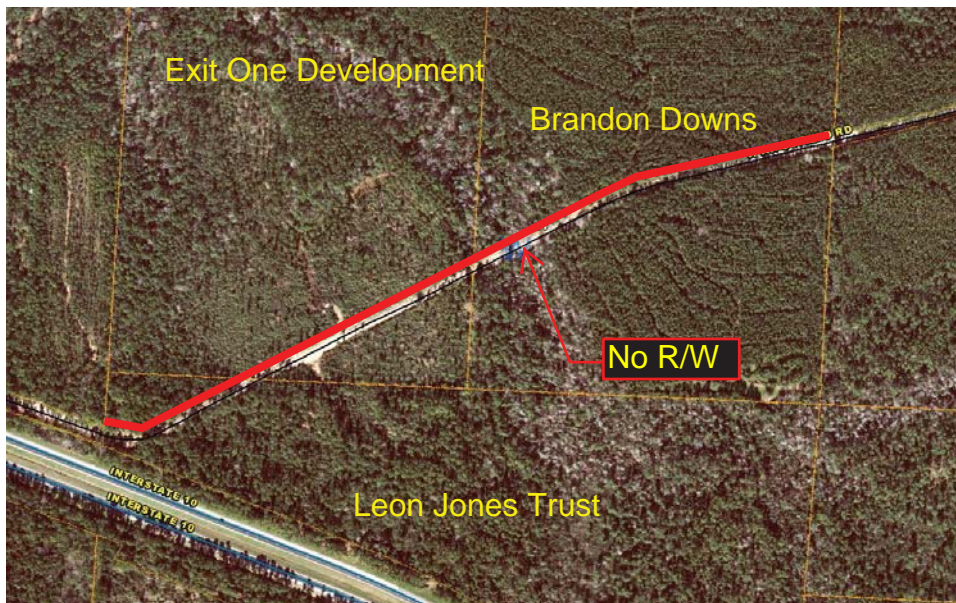
## West Kingsfield Road between Beulah Road and CR 97

The following are existing conditions of West Kingsfield Road.

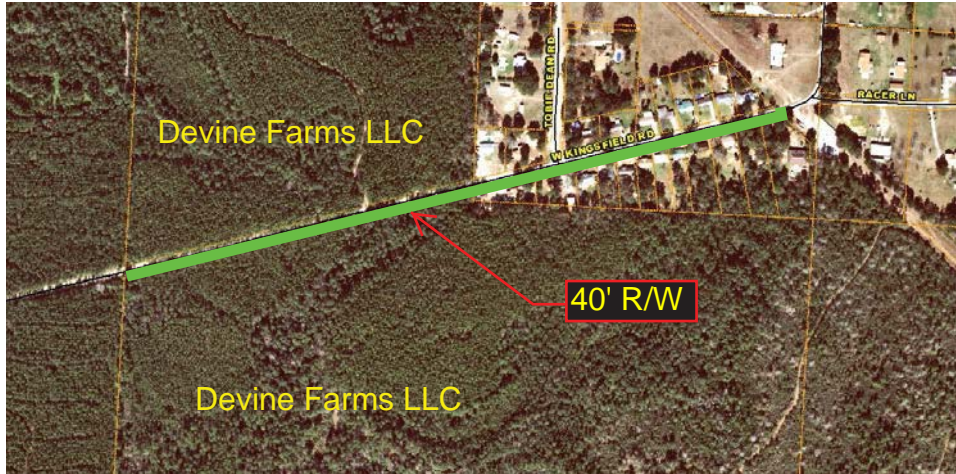
From Beulah Road to 0.6 miles east of Beulah Road, currently has 66' of existing road R/W but could be increased because the surrounding area is County property.



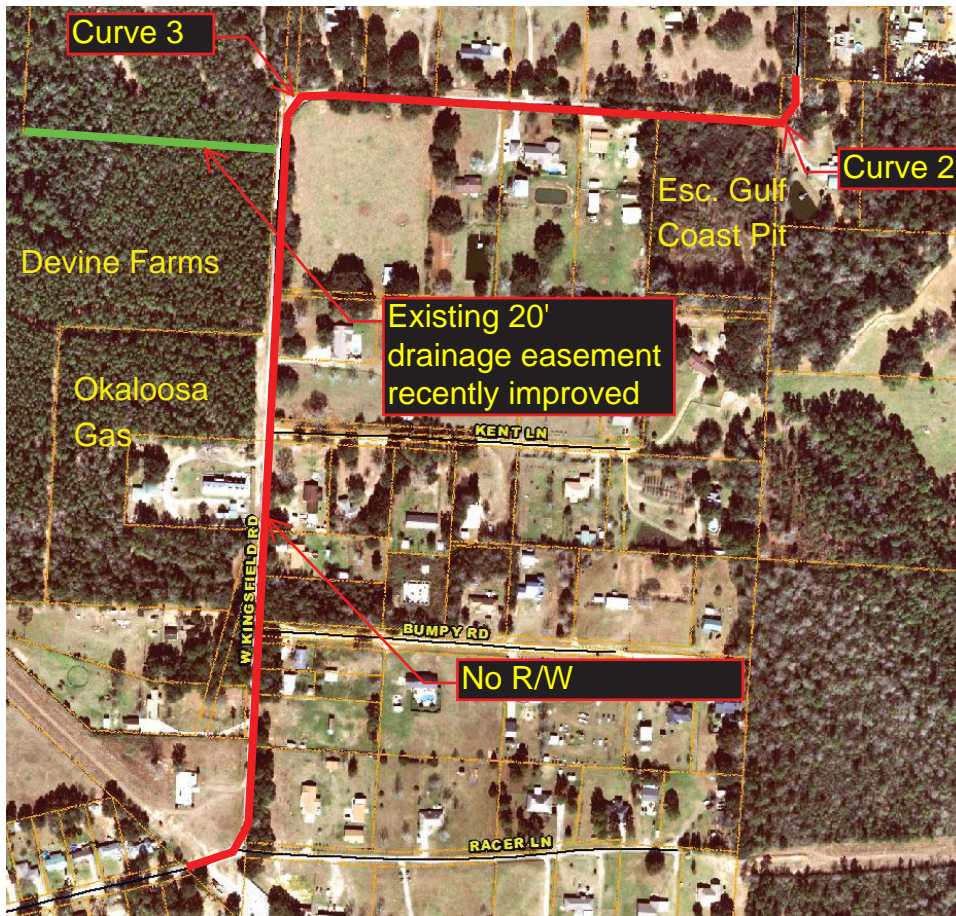
From 0.6 miles east of Beulah Road to 1.2 miles east of Beulah Road has no R/W but is being maintained by the Road Department.



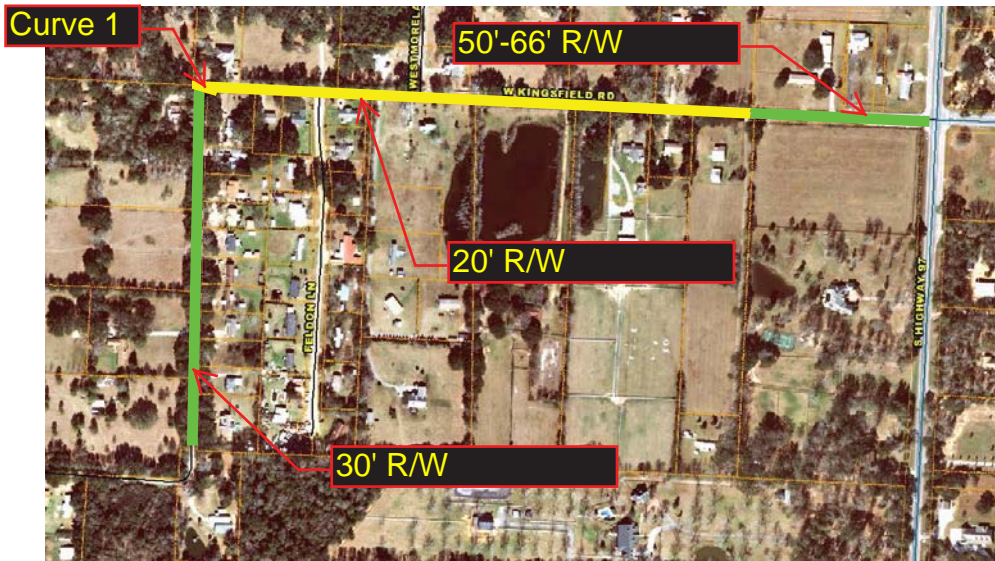
From 1.2 miles east of Beulah Road to the southern Gulf South Pipeline Easement there is 40' of existing R/W.



From the southern Gulf South Pipeline Easement to 0.75 miles west of CR 97, there no R/W.



From 0.75 miles west of CR 97 to CR 97, the R/W varies between 20'-66'.



In 2017, a Roadway Safety Evaluation was performed for West Kingsfield Road. The study showed the current posted speed limit for more than 90% of the road is 35 MPH with a small segment being posted at 30 MPH. The study determined the following recommendations:

- Immediate resolution
  - Replace / repair damaged or missing traffic control signs. (Completed)
  - Add additional curve delineation signs and reflective pavement markers where warranted. (Completed)
  - Refurbish stop bars at terminal intersections and centerline markings in turns where warranted. (Ongoing due to current pavement conditions)
  - Reduce overgrowth in right of way where needed. (Completed)
  - Patch / repair asphalt as needed to the extent practical. (Completed)
  - Request targeted enforcement of Truck Prohibition. (Complaint driven notifications are forwarded to appropriate enforcement)
- Intermediate resolution
  - Resurface and restripe entire roadway. (Approximately \$1M could be funded when LOST IV dollars are approved. Currently allocated for resurfacing in FY 27-28)
- Long Term resolution
  - Provide 22' wide roadway with 6' shoulders. (Unfunded and requires extensive property acquisition)

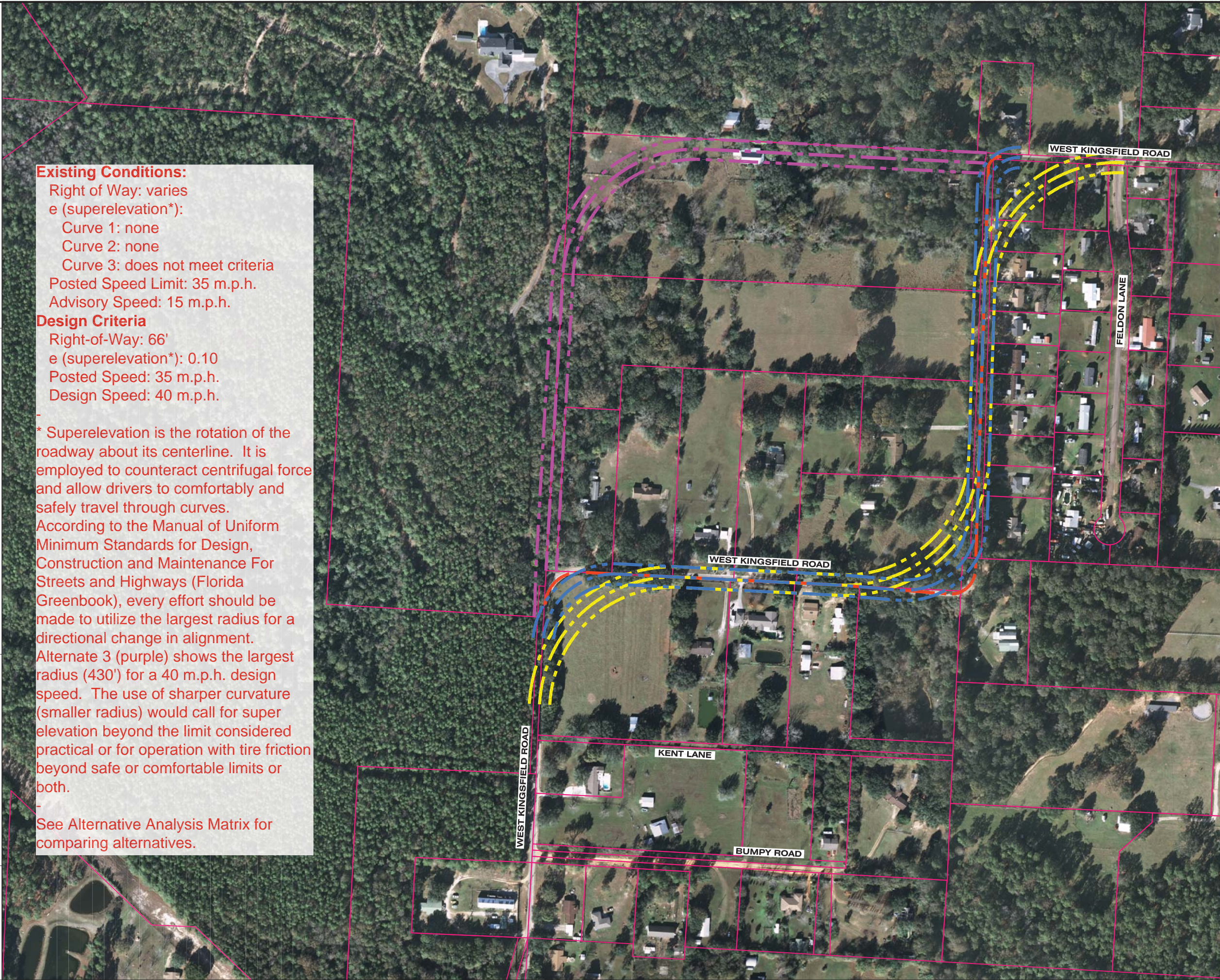
In the past two years, the Road Department has completed over 196 work orders totaling more than \$178,000 in roadway, drainage, and signage improvements along this segment of the road that took care of the immediate resolution.

W Kingsfield Rd.

Task	Description	**WOs	*Total Cost
1045	Asphalting	8	\$11,076.06
1060	Barricade	2	\$140.84
1120	Build Rd / Grade	1	\$5,908.90
1165	Dig Ditch	8	\$10,139.56
1170	Clear Vegetation	2	\$490.12
1195	Cold Patching	6	\$6,397.74
1225	Cut Vegetation	6	\$767.37
1240	Debris Removal	8	\$1,445.16
1245	Ditch Repair	3	\$51,887.03
1285	Grading	1	\$571.98
1330	Hot Patching	74	\$55,125.74
1360	Inspect / Clean	17	\$2,988.02
1375	Cleaning Culverts / Pipes	2	\$2,153.27
1376	Cleaning Inlets/Catch Basins	2	\$391.37
1405	Install New Sign / Post	15	\$1,929.94
1545	Remove Sand	4	\$1,385.95
1555	Repair Sign / Post	3	\$184.48
1600	Repair Driveway	2	\$389.96
1645	ROW Clean / Hand Cutting	28	\$4,650.11
1660	ROW Mowing	1	\$1,183.00
1735	Shoulder Repair	8	\$17,856.01
1750	Bridge Signage Maintenance	1	\$37.23
1795	Storm Water Removal	1	\$552.60
1915	Vegetation Removal	2	\$363.48
3890	Sand Removal	1	\$148.32
<b>Totals:</b>		<b>196</b>	<b>\$178,164.24</b>

The following pages are curve softening options studied in early 2017 but have not been implemented due to a lack of owner willingness at the northern connection. We can request willingness to try to soften the second (Miriam Arnold Estate) and third (James Boles property) curves.

PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (OR)	CORRECT (Green Highlighter)	CHANGE (Red Pen X-Out to Disagree or Remark)	DATE	ORIGINATOR (OR)	CORRECT (Blue Highlighter)	REMARK INCORPORATION (Blue Highlighter)	DATE	ORIGINATOR (OR)	CORRECT (Pink Highlighter)	DATE
SIGNATURE:														

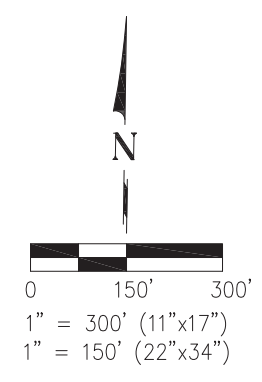


**Existing Conditions:**  
 Right of Way: varies  
 e (superelevation\*):  
 Curve 1: none  
 Curve 2: none  
 Curve 3: does not meet criteria  
 Posted Speed Limit: 35 m.p.h.  
 Advisory Speed: 15 m.p.h.

**Design Criteria**  
 Right-of-Way: 66'  
 e (superelevation\*): 0.10  
 Posted Speed: 35 m.p.h.  
 Design Speed: 40 m.p.h.

\* Superelevation is the rotation of the roadway about its centerline. It is employed to counteract centrifugal force and allow drivers to comfortably and safely travel through curves. According to the Manual of Uniform Minimum Standards for Design, Construction and Maintenance For Streets and Highways (Florida Greenbook), every effort should be made to utilize the largest radius for a directional change in alignment. Alternate 3 (purple) shows the largest radius (430') for a 40 m.p.h. design speed. The use of sharper curvature (smaller radius) would call for super elevation beyond the limit considered practical or for operation with tire friction beyond safe or comfortable limits or both.

See Alternative Analysis Matrix for comparing alternatives.



LEGEND

	EXISTING ROADWAY
	ALTERNATE 1
	ALTERNATE 2
	ALTERNATE 3

**WEST KINGSFIELD ROAD ROADWAY RE-ALIGNMENT**

**ALL SCENARIOS**

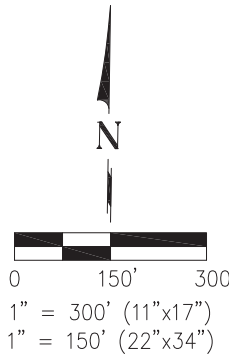
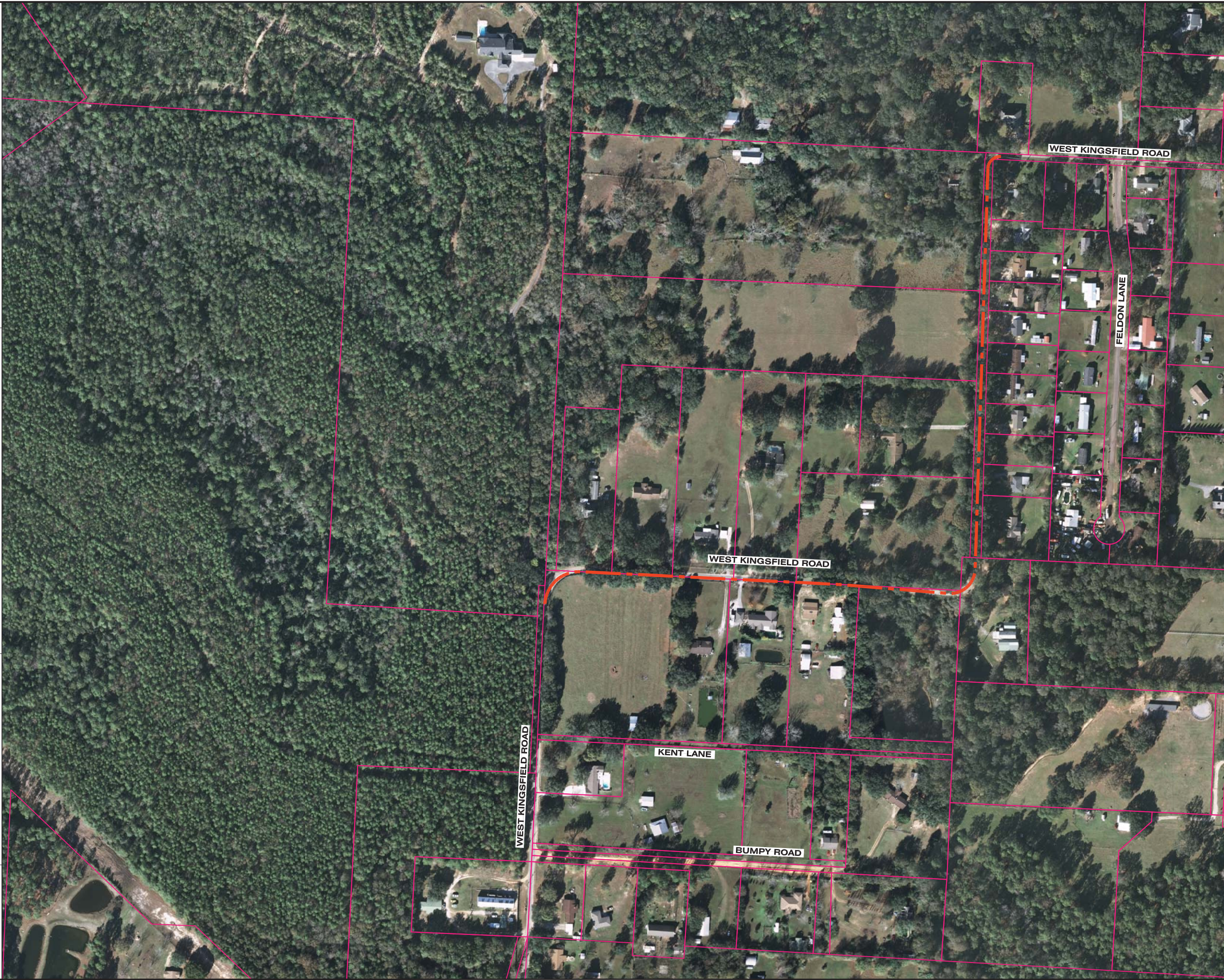
**ENGINEERING DIVISION**  
 ESCAMBIA COUNTY, FLORIDA  
 3363 WEST PARK PLACE, PENSACOLA, FLORIDA 32505

DRAWN BY: D. MCVEY	CHECKED BY: J. HAGON	REG. P.E. LIC. NO. 63848	DATE
DATE: MAY 2017	PROJECT MANAGER: 777777	DISTRICT: 3	SIGNATURE:
SECTION/TOWNSHIP/RANGE		30E & 11N/31W	

REVISIONS	DATE	APPROVED BY:
FILE LOCATION: L:\Design\Projects\081616\081616-01\081616-01.dwg		
DRAWING NUMBER		
PROJECT NUMBER		
SURVEY NUMBER		

SHEET **1** OF **5**

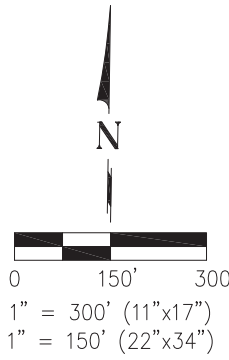
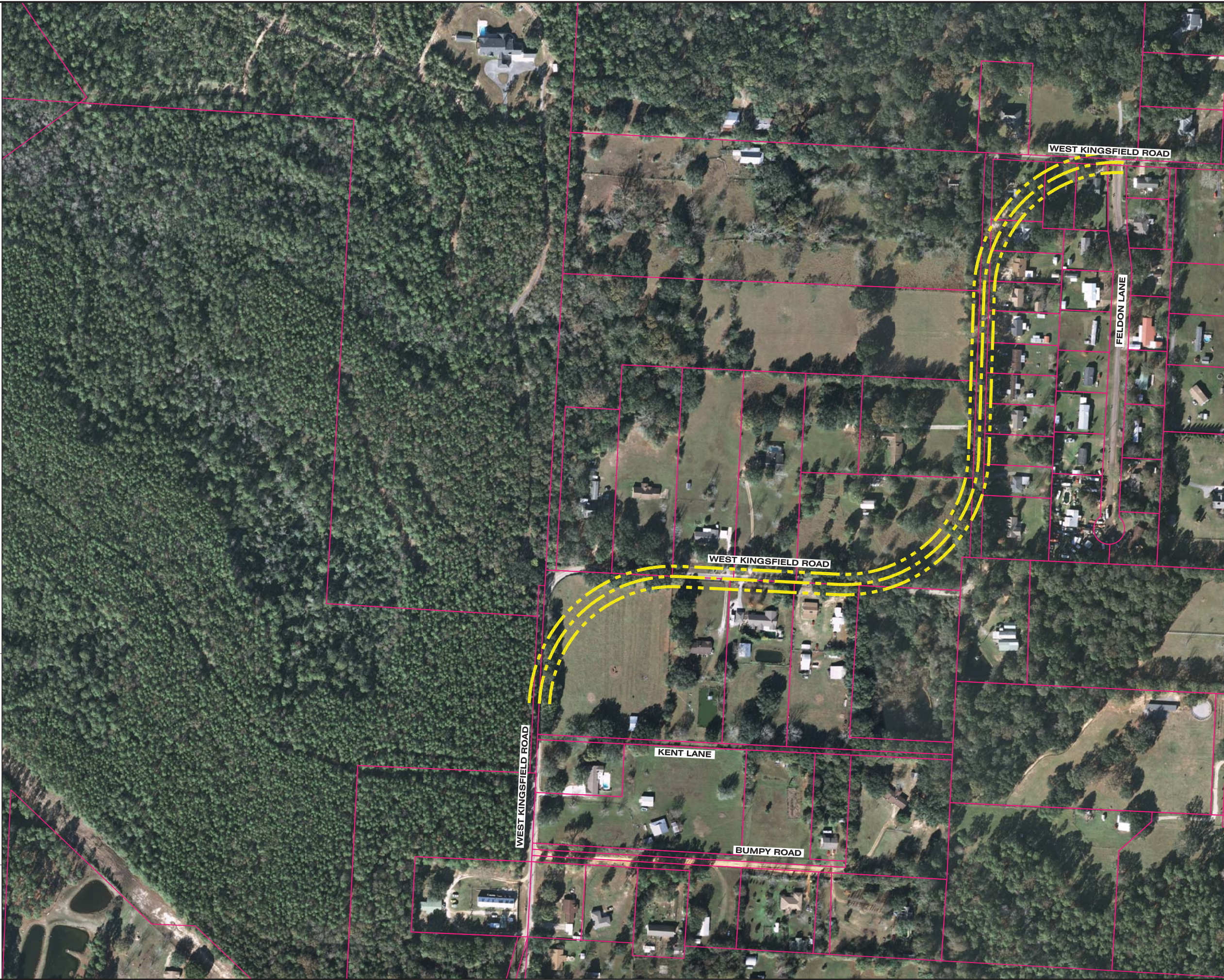
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SIGNATURE:		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	CHECKER (RP)	(Red Pen X-Out to Discard or Remark)	DATE	REMARK INCORPORATION	(Blue Highlighter)	DATE
		CHANGE INCORPORATION	(Yellow Highlighter)				ORIGINATOR VERIFICATION	Correct (Pink Highlighter)	DATE



LEGEND  
 EXISTING ROADWAY

<b>WEST KINGSFIELD ROAD ROADWAY RE-ALIGNMENT</b>				<b>EXISTING ROADWAY</b>	
<b>ENGINEERING DIVISION</b> ESCAMBIA COUNTY, FLORIDA 3363 WEST PARK PLACE, PENSACOLA, FLORIDA 32505					
DRAWN BY: D. MCVEY	DESIGNED BY: J. HAGON	CHECKED BY: J. HAGON	REG. P.E. LIC. NO. 63848	DATE	SIGNATURE
DATE: MAY 2017	PROJECT MANAGER: 777777	DISTRICT: 3	SECTION/TOWNSHIP/RANGE 20 & 11/15/1W		
FIELD BOOK PAGES:		DRAWING NUMBER			
REVISIONS		PROJECT NUMBER			
FILE LOCATION: L:\Design\Projects\Roadway Design\DWG\Plan		SURVEY NUMBER			
DATE		SHEET <b>2</b> OF <b>5</b>			
APPROVED BY:					

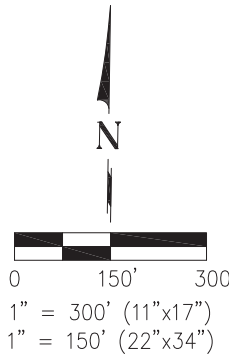
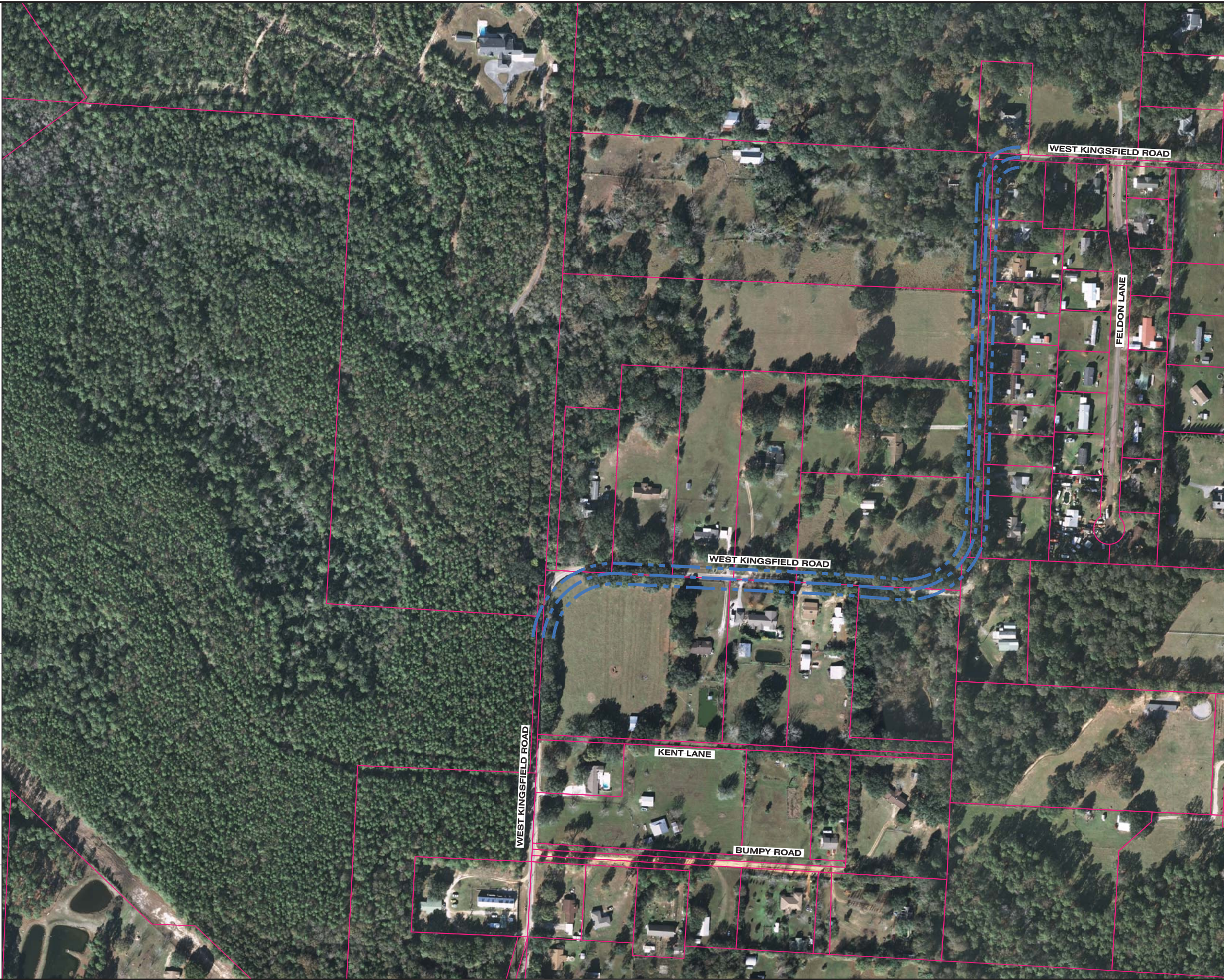
PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE
SIGNATURE:		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		CHECKER (RP)		CHANGE INCORPORATION (Yellow Highlighter)		Correct (Green Highlighter) Change (Red Pen X-Out to Discard or Remark)		VERIFICATION, CHECKER (OR)	
										REMARK INCORPORATION (Blue Highlighter)	
										ORIGINATOR VERIFICATION (Pink Highlighter)	



LEGEND  
 ALTERNATE 1

<b>WEST KINGSFIELD ROAD</b> <b>ROADWAY RE-ALIGNMENT</b> <b>ALTERNATE 1</b>			
<b>ENGINEERING DIVISION</b> ESCAMBIA COUNTY, FLORIDA 3363 WEST PARK PLACE, PENSACOLA, FLORIDA 32505			
DRAWN BY: D. MCVEY	DESIGNED BY: J. HAGON	CHECKED BY: J. HAGON	REG. P.E. LIC. NO. 63848
DATE: MAY 2017	PROJECT NUMBER: 777777	DISTRICT: 3	SIGNATURE:
SECTION/TOWNSHIP/RANGE 20 & 11N/31W		FIELD BOOK PAGES:	
SHEET 3	OF 5		

PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE
SIGNATURE:		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		CHECKER (RP)		CHANGE INCORPORATION (Yellow Highlighter)		ORIGINATOR (OR)		REMARK INCORPORATION (Blue Highlighter)		ORIGINATOR (OR)	

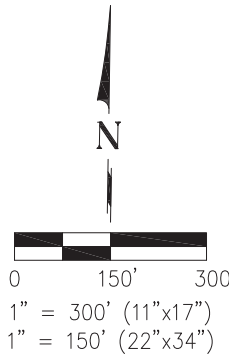
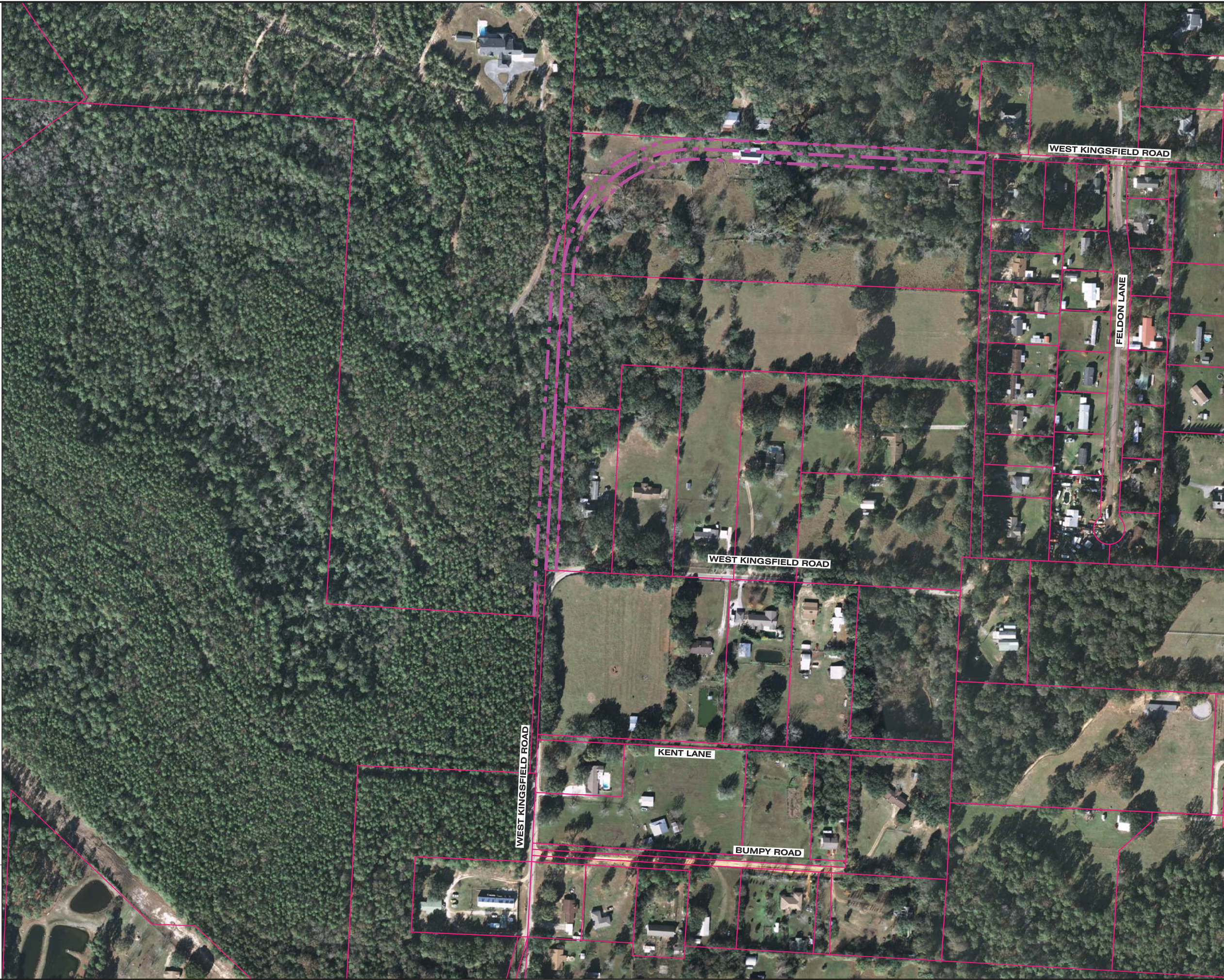


LEGEND  
 ALTERNATE 2

WEST KINGSFIELD ROAD ROADWAY RE-ALIGNMENT		ALTERNATE 2	
<b>ENGINEERING DIVISION</b> ESCAMBIA COUNTY, FLORIDA 3363 WEST PARK PLACE, PENSACOLA, FLORIDA 32505			
DESIGNED BY:	J. HAGON	CHECKED BY:	J. HAGON
PROJECT MANAGER:	777777	DISTRICT:	3
SECTION/TOWNSHIP/RANGE:	20 & 11/16/17W		
REG. P.E. LIC. NO.	63848	DATE:	
DRAWN BY:	D. MCVEY	DATE:	MAY 2017
FIELD BOOK PAGES:		SIGNATURE:	
REVISIONS	DATE	APPROVED BY:	
FILE LOCATION: L:\Design\Projects\2017\20170517\20170517.dwg			
DRAWING NUMBER			
PROJECT NUMBER			
SURVEY NUMBER			
SHEET	4	OF	5



PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (OR)	Correct (Green Highlighter) Change	DATE	VERIFICATION, CHECKER (OR)	(Blue Highlighter)	DATE
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		CHANGE INCORPORATION	(Yellow Highlighter)				ORIGINATOR VERIFICATION	Correct (Pink Highlighter)	DATE



LEGEND  
 - - - - - ALTERNATE 3 - - - - -

<b>ENGINEERING DIVISION</b> ESCAMBIA COUNTY, FLORIDA 3363 WEST PARK PLACE, PENSACOLA, FLORIDA 32505		REG. P.E. LIC. NO. <b>63848</b>		DATE
DESIGNED BY: J. HAGON	CHECKED BY: J. HAGON	PROJECT MANAGER: 777777	DISTRICT: 3	SIGNATURE:
DRAWN BY: D. MCVEY	DATE: MAY 2017	SECTION/TOWNSHIP/RANGE 20 & 11N/31W		
FILE LOCATION: E:\Design\Projects\escambia\escambia\Drawings\DWG\Plans	DATE	APPROVED BY:	FIELD BOOK PAGES:	
DRAWING NUMBER	PROJECT NUMBER	SURVEY NUMBER	SHEET <b>5</b> OF <b>5</b>	

**WEST KINGSFIELD ROAD**  
**ROADWAY RE-ALIGNMENT**  
**ALTERNATE 3**



**West Kingsfield Road  
Alternative Analysis**

	Existing			Alternatives		
	Existing	Existing	Existing	1	2	3 <sup>1</sup>
<b>Curve (from south to north)</b>	a	b	c	a, b, c	a, b, c	a
<b>Radius (feet)</b>	110'	80'	40'	430'	110' to 220'	430'
<b>Posted Speed (m.p.h.)</b>	35 mph	35 mph	35 mph	35 mph	35 mph	35 mph
<b>Posted Advisory Speed (m.p.h.)</b>	15 mph	15 mph	15 mph	> 15 mph	15 mph	> 15 mph
<b>Superelevation</b>	None	None	2%	10%	10%	10%
<b>Meet Minimum Design Criteria</b>	No	No	No	No	No	Yes
<b>Drainage</b>	None	None	None	Required	Required	Required <sup>2</sup>
<b>Approximate Construction Costs<sup>3</sup></b>	\$0	\$0	\$0	\$697,000	\$650,000	\$573,000
<b>Homes Impacted</b>	0	0	0	5	0	1
<b>Properties Impacted with Right-of-Way</b>	0	0	0	24	25	3 <sup>4</sup>
<b>Amount of Impact (Acres)</b>	0	0	0	7.04	3.51	4.684
<b>Approximate Right-of-Way Costs<sup>5</sup></b>	\$ -	\$ -	\$ -	\$1,115,000	\$ 319,000	\$ 260,000
<b>Trees Impacted</b>	None	None	None	Very High	High	Low
<b>Utility Impact</b>	-	-	-	Significant	Significant	Minimum
<b>Project Duration</b>	-	-	-	Medium	High	Low
<b>Cost Estimate</b>				\$1,812,000	\$969,000	\$833,000

Notes  
 1. East-West portion included in Sector Plan  
 2. Includes 13+ acres for stormwater pond or other County amenity  
 3. Estimated Project Length X 40% FDOT new construction costs for (2) lane includes Design  
 4. One property for sale, one property likely in favor of project  
 5. Estimated \$2/SF except Home Impacted parcels estimated previous sale  
 If previous sale, >10 years, then twice the assessment value  
 Contact Transportation and Traffic Ops for additional information including assumptions.

