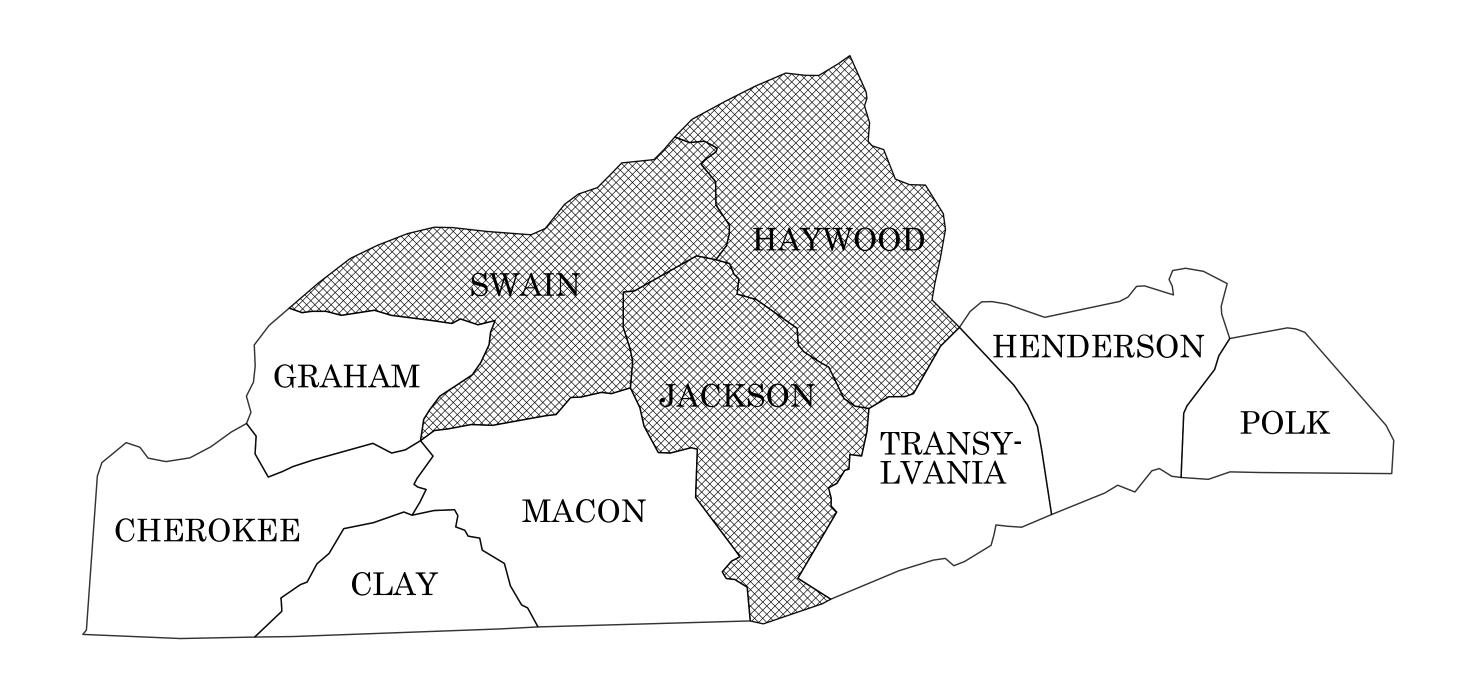
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### INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
2 THRU 3	SS-6014Q
4 THRU 5	SS-6014Z
6 THRU 7	SS-6214E
8 THRU 9	SS-6214F





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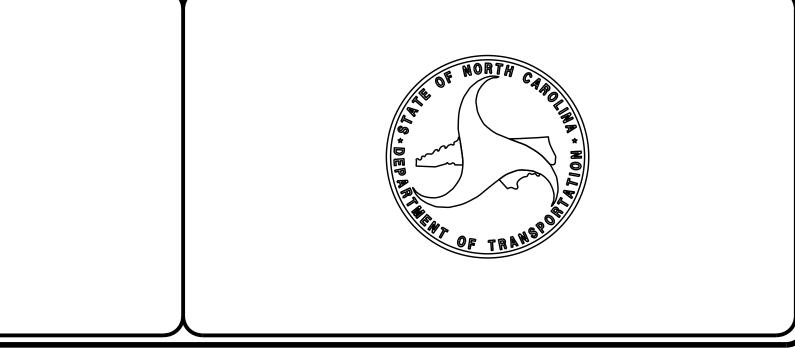
## DISTRICT 2/ DIVISION 14

LOCATION: VARIOUS LOCATIONS ACROSS DISTRICT 2 IN DIVISION 14

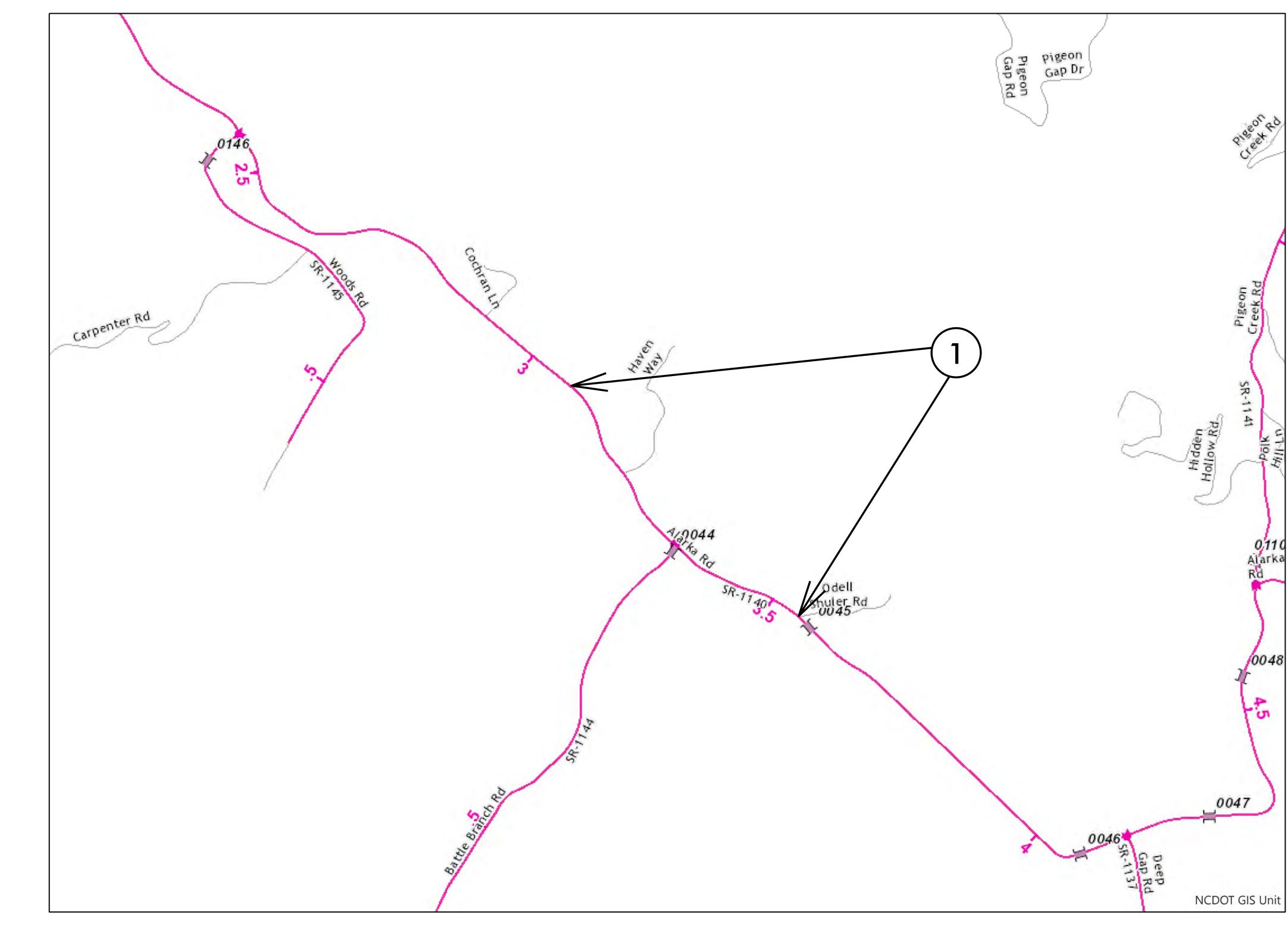
TYPE OF WORK: *GUARDRAIL* 

DIVISION	ared in the Office of: NOF HIGHWAYS TER RD., SYLVA NC, 28779
2018 STANDARD SPECIFICATIO RIGHT OF WAY DATE 	
<i>LETTING DATE:</i> S <u>EPTEMBER 27, 202</u>	<u>GARRETT B HIGDON, E.I.</u> PROJECT DESIGN ENGINEER

STATE	STAT	E PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
$\mathbb{N}_{\mathbb{C}}$		11	11O)		
STAT	E PROJ. NO.	F.A. PROJ. NO.		DESCRIPT	ION
49	589.3.1	N/A	CC	ONSTRU	JCTION
49	846.3.1	N/A	ONSTRU	JCTION	
5	50335	N/A	CC	ONSTRU	JCTION
5	50336	N/A		ONSTRU	JCTION







40 *SS-601* PRC TIP

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# SWAIN COUNTY ALARKA ROAD (SR 1140)

STATE	STAT	SHEET NO.	TOTAL SHEETS							
$\mathbb{N}_{\mathbb{C}}$		49589								
STAT	E PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	ION					
49	589.3.1	N/A		PE						
49	589.2.1	N/A	R/W							
49	589.3.1	N/A		<b>CONSTRUCTION</b>						













NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.				LENGTH		WARRAN	NT POINT	"N" DIST. TOT	TAL	FLARE LENGTH		w			ANCHORS		IMPA ATTENU TYPE	ACT JATOR 350	EXTRA LENGTH GUARDRAIL	OSTS		DEALADINS
LINE	BEG. STA.	END STA.	LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM SHOU E.O.L. WID	DTH	APPROACH TRAILING END END	APPROACH END	TRAILING END	greu Tl-2			· ·		RMITTED	POSTS (8′)			
-L-	176 + 80	186 + 40	RT	960										4									
												_											
												_											
												_								10			
CONTINGENT																				10			PLACE AS NEEDED
SUBTOTAL				960										4						10			
DEDUCTION	S FOR DRIVEWAYS			40																			
DEDUCTIO	NS FOR GREU			100									4 @	25′ = <sup>°</sup>	00′								
TOTAL				820																10			

**GENERAL NOTES:** 

### 2018 SPECIFICATIONS

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

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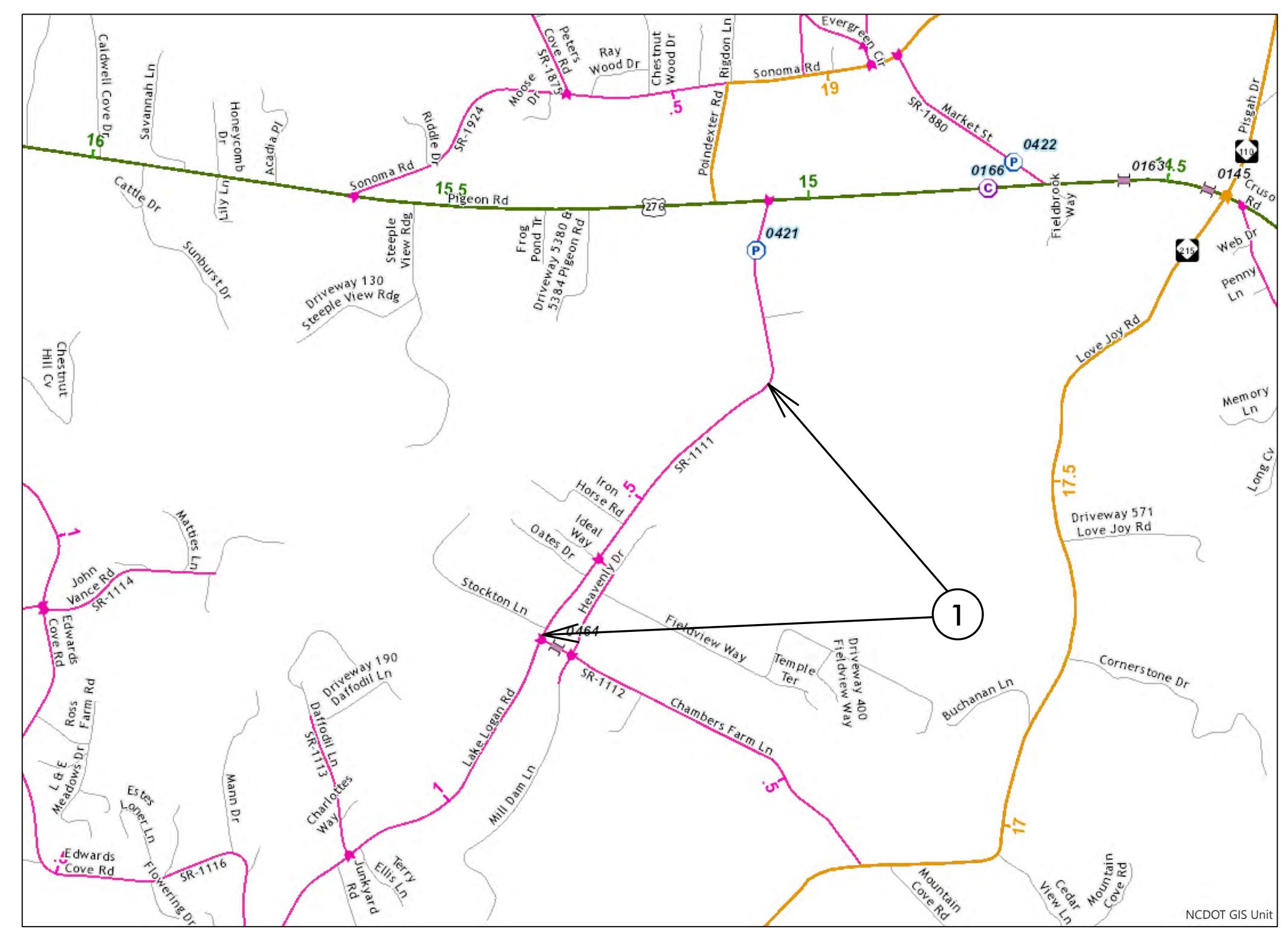
## GUARDRAIL SUMMARY

### 2018 ROADWAY ENGLISH STANDARD DRAWINGS

STD.NO.	TITLE	
DIVISION	8 – INCIDENTALS	
862.01	Guardrail Placement	
862.02	Guardrail Installation	
DIVISION	11 – WORK ZONE TRAFFIC	CONTROL
1101.02	Temporary Lane Closures	

STATE	STAT	SHEET NO.	TOTAL SHEETS							
$\mathbb{N}_{\mathbb{C}}$		49589								
STAT	TE PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	ION					
49	589.3.1	N/A		PE						
49	589.2.1	N/A		R/W						
49	589.3.1	N/A	CC	CONSTRUCTION						





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# HAYWOOD COUNTY LAKE LOGAN ROAD (SR 1111)

STATE	STAT	SHEET NO.	TOTAL SHEETS						
$\mathbb{N}_{\mathbb{C}}$		49846	4						
STAT	TE PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	ION				
49	846.1.1	N/A		PE					
49	846.2.1	N/A		R/W					
49	846.3.1	N/A	CC	ONSTRUCTION					













NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY	BEG. STA.	END STA.	LOCATION		LENGTH		WARRANT	POINT	"N" DIST. FROM		FLARE	LENGTH	Ň	v			ANCHORS		IMPACT ATTENUATO TYPE 350	R EXTRA LENG	н	REMARKS
LINE	DEG. SIA.	END STA.	LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	E.O.L.	SHOULDER WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-2				NO. G N			KEMIAKNJ
-L-	13 + 85	38+50	LT	2465											3							
CONTINGEN																				10		PLACE AS NEEDED
SUBTOTAL				2465											3					10		
DEDUCTION	S FOR DRIVEWAYS			30																		
DEDUCTIC	NS FOR GREU			75										3 @	) <b>25</b> ′ =	75'						
TOTAL				2360																10		

GENERAL NOTES:

### 2018 SPECIFICATIONS

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

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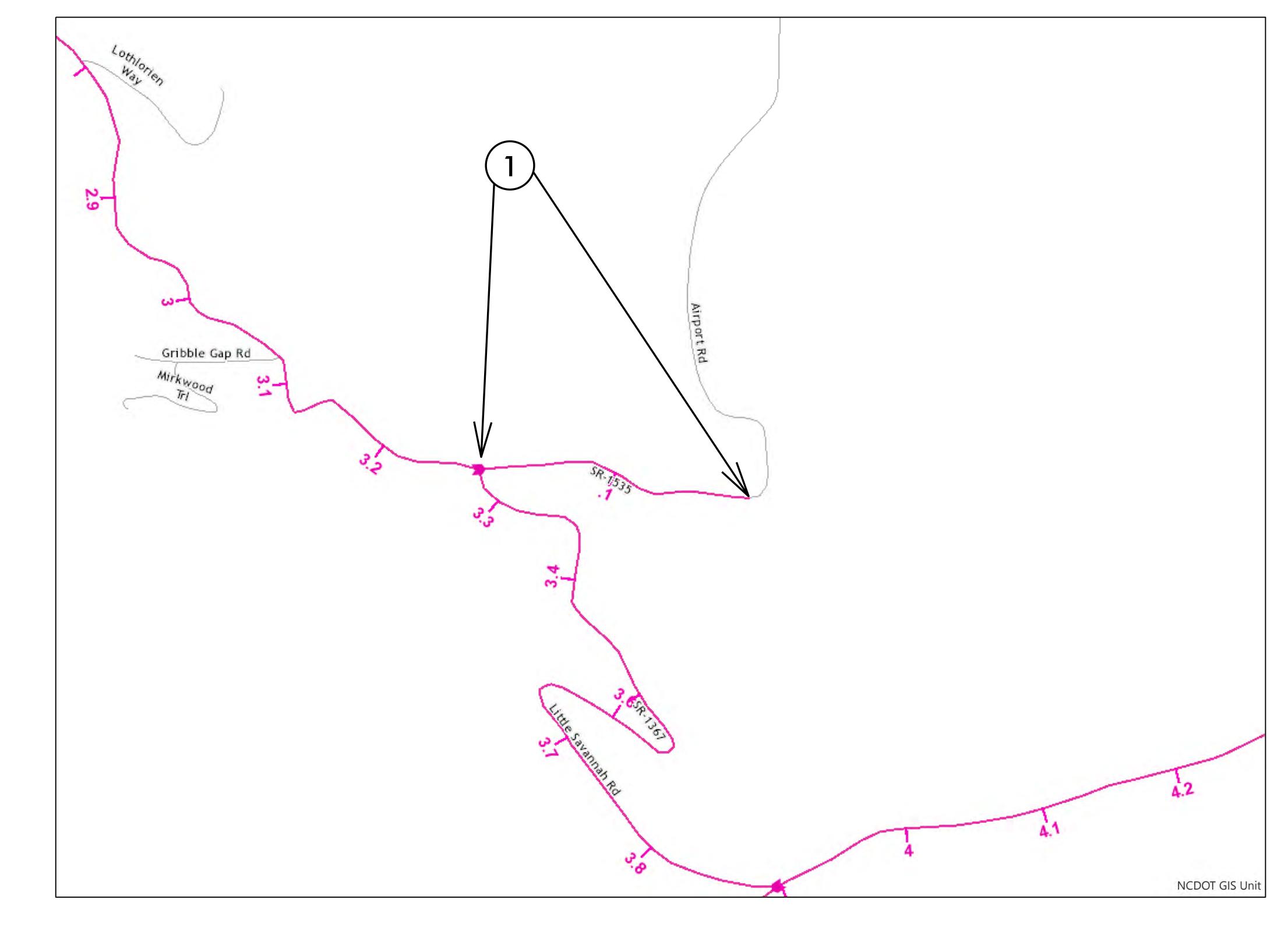
## GUARDRAIL SUMMARY

### 2018 ROADWAY ENGLISH STANDARD DRAWINGS

STD.NO.	TITLE
DIVISION	8 – INCIDENTALS
862.01	Guardrail Placement
862.02	Guardrail Installation
DIVISION	11 – WORK ZONE TRAFFIC CONTROL
1101.02	Temporary Lane Closures

STATE	STAT	SHEET NO.	TOTAL SHEETS							
$\mathbb{N}.\mathbb{C}.$		49846								
STAT	TE PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	TION					
49	846.1.1	N/A		PE						
49	846.2.1	N/A		R/W						
49	846.3.1	N/A	CC	CONSTRUCTION						

# JACKSON COUNTY AIRPORT ROAD (SR 1535)



TIP PROJECT: SS-6214E

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STATE	STAT	E PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS			
$\mathbb{N},\mathbb{C},$		6						
STAT	TE PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	ION			
5	50335	N/A	CC	ONSTRUCTION				



## MAP 1







NG = NON-GATING IMPACT ATTENUATOR TYPE 350

WARRANT POINT LENGTH SURVEY BEG. STA. END STA. LOCATION LINE SHOP CURVED DOUBLE FACED APPROACH TRAII STRAIGHT END FN -L-0 + 0013 + 50RT 1350 CONTINGENT SUBTOTAL 1350 DEDUCTIONS FOR GREU 50 TOTAL 1300

GENERAL NOTES:

### 2018 SPECIFICATIONS

GUARDRAIL:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

## GUARDRAIL SUMMARY

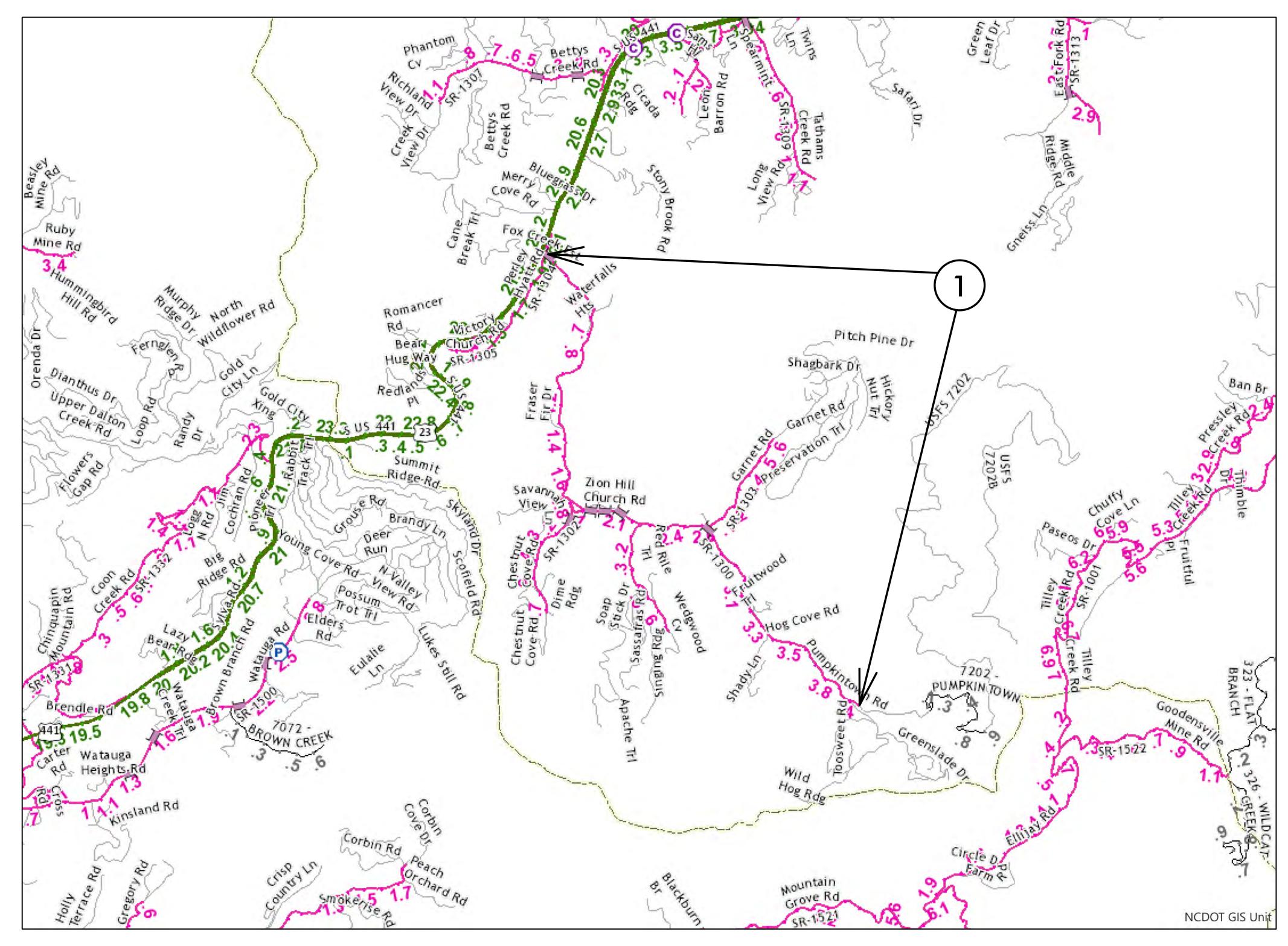
r	"N" DIST.	TOTAL SHOULDER	FLARE	LENGTH	M	V				ANCHORS			I/ ATTE TY	MPACT ENUATOR 'PE 350	EXTRA LENGTH GUARDRAIL		REMARKS	
RAILING END	FROM E.O.L.	WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END	GŖEU TL-3							PERMITTED O. G NG	POSTS	POSTS		KE/MAKKS
							2											
															10		PLACE AS NEEDED	
							2								10			
						2 @	© 25′ =	50′										
															10			

### 2018 ROADWAY ENGLISH STANDARD DRAWINGS

STD.NO.	TITLE
DIVISION	8 – INCIDENTALS
862.01	Guardrail Placement
862.02	Guardrail Installation
DIVISION	11 – WORK ZONE TRAFFIC CONTROL
1101.02	Temporary Lane Closures

STATE	STATI	SHEET NO.	TOTAL SHEETS		
$\mathbb{N}.\mathbb{C}.$		7			
STAT	TE PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	TION
5	50335	N/A	CC	ONSTRU	JCTION





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## JACKSON COUNTY PUMPKINTOWN ROAD (SR 1300)

STATE	STATI	SHEET NO.	TOTAL SHEETS					
$\mathbb{N}_{\mathbb{C}}$		8						
STAT	E PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	TION			
5	50336	N/A	CC	ONSTRUCTION				



## MAP 1



BEG



END

NG = NON-GATING IMPACT ATTENUATOR TYPE 350

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SURVEY LINE					LENGTH		WARRAN	IT POINT	"N" DIST.		FLARE LENGTH	w		ANCHORS	IMI ATTEN TYPI	ACT UATOR 350	EXTRA LENGTH GUARDRAIL	DEALABKC	
LINE	BEG. STA.	END STA.	LOCATION	LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	E APPROACH END	TRAILING END	FROM E.O.L.	FROM SHOULDER E.O.L. WIDTH	APPROACH TRAILING END END	APPROACH TRAILING END END	GREU TL-2	 	P	PERMITTED NO. G NG	POSTS	REMARKS
-L-	11 + 00	27 + 75	RT	1675									2						
-L-	31+60	47 + 50	RT	1590									2						
-L-	50+70	65 + 50	RT	1480									6						
-L-	87 + 10	90+80	RT	370									2						
-L-	95+60	102 + 40	RT	680									4						
-L-	113 + 00	124 + 10	LT	1110									4						
-L-	139 + 90	150+00	RT	1010									2						
-L-	162 + 60	167 + 40	RT	480									2						
CONTINGENT																	25	PLACE AS NEEDED	
SUBTOTAL				8395									24				25		
DEDUCTIO	NS FOR GREU			600								24	@ 25' = 600'						
TOTAL				7795													25		

**GENERAL NOTES:** 

### 2018 SPECIFICATIONS

GUARDRAIL:

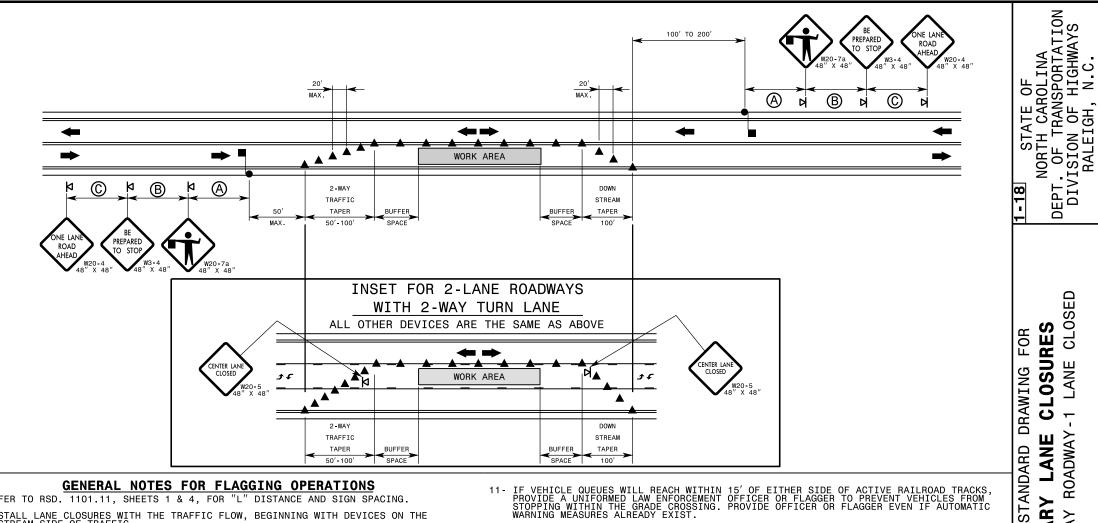
THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

## GUARDRAIL SUMMARY

### 2018 ROADWAY ENGLISH STANDARD DRAWINGS

STD.NO.	TITLE
DIVISION	8 – INCIDENTALS
862.01	Guardrail Placement
862.02	Guardrail Installation
DIVISION	11 – WORK ZONE TRAFFIC CONTROL
1101.02	Temporary Lane Closures

STATE	STATI	SHEET NO.	TOTAL SHEETS							
$\mathbb{N}_{\mathbb{C}}$		50336								
STAT	TE PROJ. NO.	F. A. PROJ. NO.		DESCRIPT	TION					
5	50336	N/A	CC	ONSTRU	JCTION					



#### **GENERAL NOTES FOR FLAGGING OPERATIONS**

- 1- REFER TO RSD. 1101.11, SHEETS 1 & 4, FOR "L" DISTANCE AND SIGN SPACING.
- INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC. 2-
- 3- REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- 4- PLACE CONES THRU THE WORK AREA AT THE MAXIMUM SPACING EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- 5- EXTEND LANE CLOSURES AT THE BUFFER SPACE SUCH THAT STOPPING SIGHT DISTANCE IS PROVIDED TO THE FLAGGER (REFER TO RSD. 1101.11, SHEET 2).
- 6- DO NOT STOP TRAFFIC IN ANY ONE DIRECTION FOR MORE THAN 5 MINUTES AT A TIME.
- 7- DRUMS OR SKINNY DRUMS MAY BE USED IN LIEU OF CONES. REFER TO RSD. 1180.01 FOR SKINNY DRUM REQUIREMENTS.
- USE FLAGGERS TO CONTROL TRAFFIC AT INTERSECTIONS AFFECTED BY THE LANE CLOSURE. SUPPLEMENT FLAGGERS LOCATED AT INTERSECTIONS WITH FLAGGER AHEAD SIGNS (W20-7a) PLACED APPROXIMATELY 250 FT. IN ADVANCE OF THE FLAGGER. FOR SIGNALIZED INTERSECTIONS PLACE SIGNALS IN THE FLASH MODE AND USE LAW ENFORCEMENT. 8-
- 9- REFER TO THE CURRENT MUTCD FOR FLAGGER CONTROL, REQUIREMENTS, AND PROCEDURES.
- 10-DO NOT EXCEED A 1 MILE LANE CLOSURE LENGTH UNLESS OTHERWISE SHOWN IN THE TMP OR AS DIRECTED BY THE ENGINEER.

11- IF VEHICLE QUEUES WILL REACH WITHIN 15' OF EITHER SIDE OF ACTIVE RAILROAD TRACKS, PROVIDE A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER TO PREVENT VEHICLES FROM STOPPING WITHIN THE GRADE CROSSING. PROVIDE OFFICER OR FLAGGER EVEN IF AUTOMATIC WARNING MEASURES ALREADY EXIST.

#### **GENERAL NOTES FOR PILOT CAR OPERATIONS**

- 1- USE PILOT CARS WHEN DIRECTED BY THE ENGINEER.
- 2- IF ROADWAY WIDTH IS LESS THAN 22 FEET (EOP TO EOP), CONES MAY NOT BE REQUIRED ALONG WORK AREA, AND AT THE DISCRETION OF THE ENGINEER, CONES MAY BE OMITTED ALONG THE WORK AREA IF USING A PILOT CAR.
- 3- CONES ARE ALWAYS REQUIRED IN THE UPSTREAM AND DOWNSTREAM TAPERS.
- MOUNT SIGN G20-4 "PILOT CAR FOLLOW ME" AT A CONSPICUOUS POSITION ON THE REAR OF THE PILOT VEHICLE. 4 -
- 5- DO NOT INSTALL MORE THAN ONE (1) MILE OF LANE CLOSURE, MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- ADVISE RESIDENTS AND BUSINESSES WITHIN THE LANE CLOSURE LIMITS ABOUT METHODS OF SAFE EGRESS AND INGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT 6 -CAR OPERATIONS.

	LEGEND	
-	FLAGGER	
	CONE	
凶	PORTABLE SIGN	
-	DIRECTION OF TRAFFIC FLOW	

*<b>TEMPORAR* 

SHEET 1

1101.02

ROADWAY

- WAY

N

ANE

1

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0F 14