

STATE OF NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION HIGHWAY DIVISION 6

PLANS

Letting Date: August 20, 2025

CONTRACT ID: DF00525

TIP NO.: HS-2406I

FEDERAL AID NO.: 5097809

WBS ELEMENT NO.: 50978.3.10

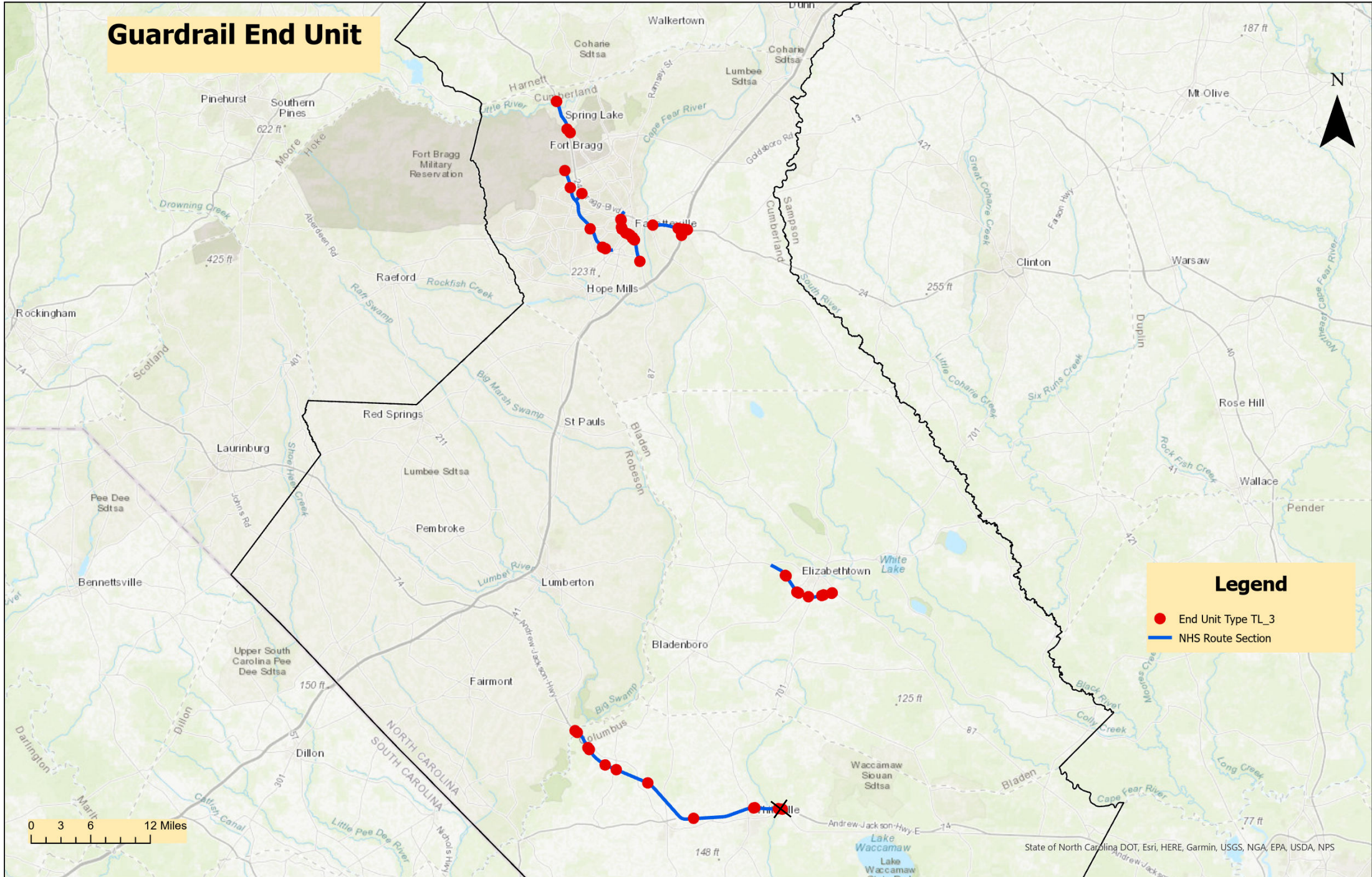
ROUTE NO.: I-95, US 74, US 301, US 401, NC 24, NC 87, AND SR 1007

LOCATION: VARIOUS

COUNTY: BLADEN, COLUMBUS, AND CUMBERLAND

TYPE OF WORK: UPGRADE GUARDRAIL END UNITS

Guardrail End Unit



Legend

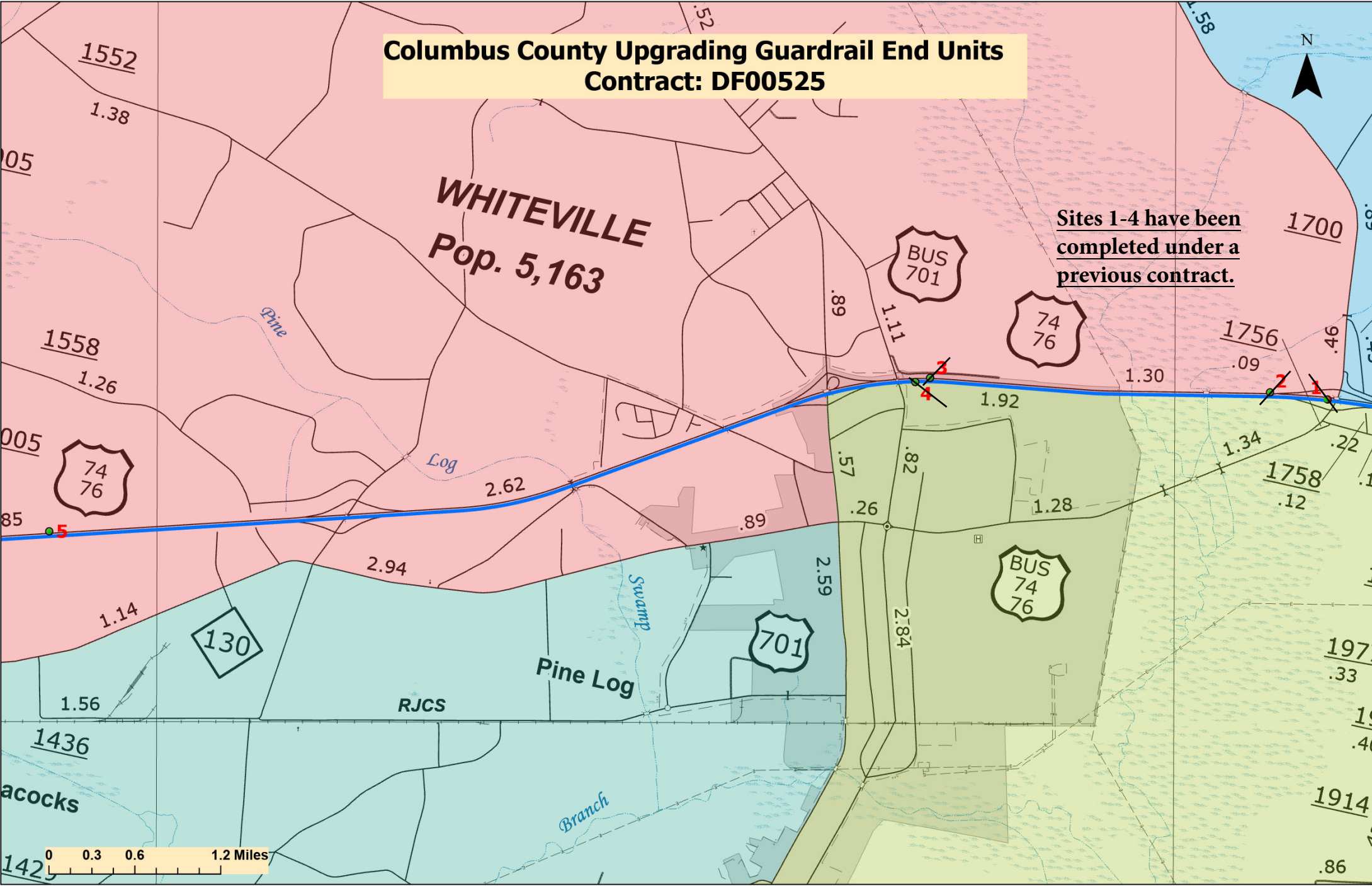
- End Unit Type TL_3
- NHS Route Section

0 3 6 12 Miles

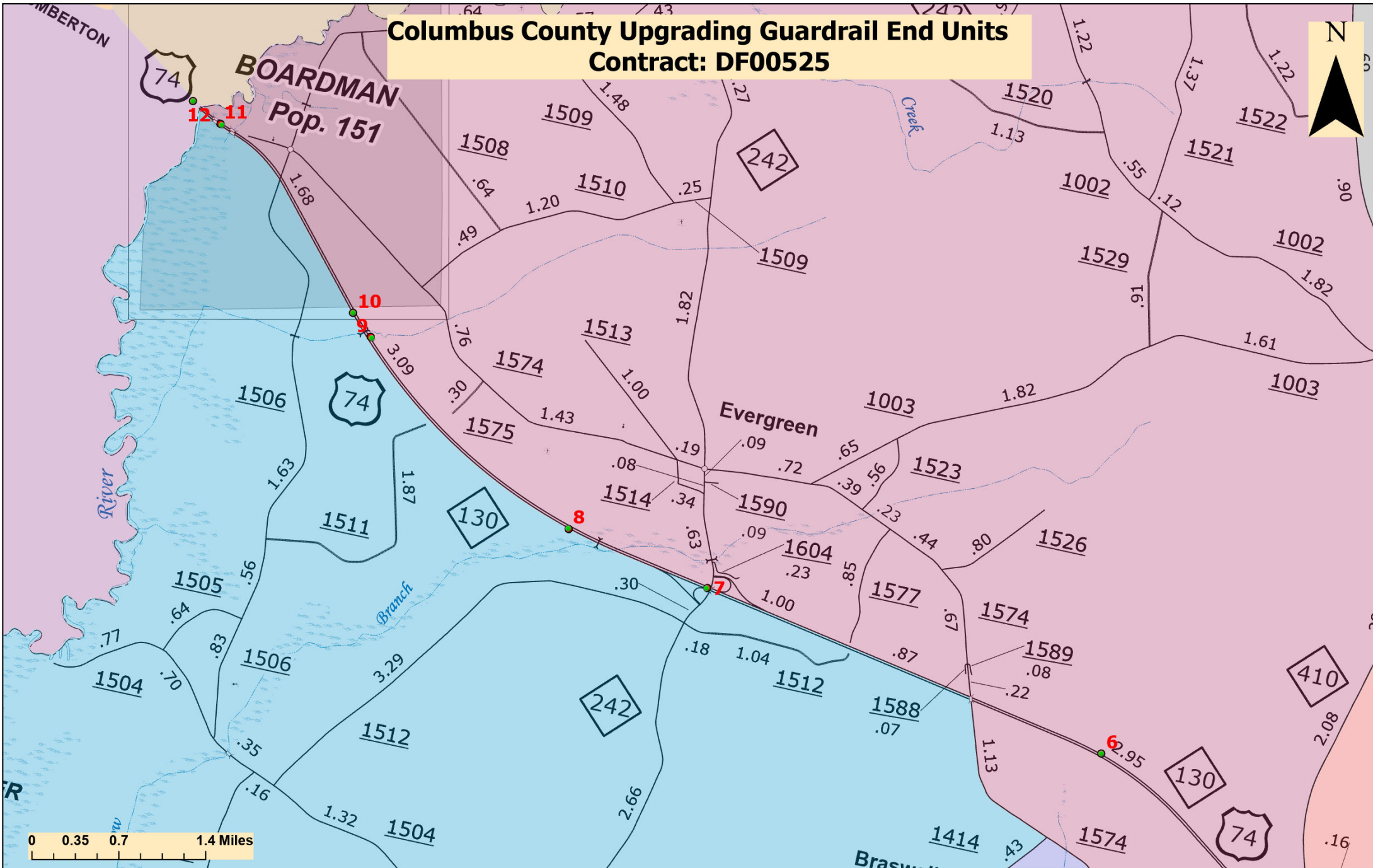
**Columbus County Upgrading Guardrail End Units
Contract: DF00525**

WHITEVILLE
Pop. 5,163

Sites 1-4 have been completed under a previous contract.

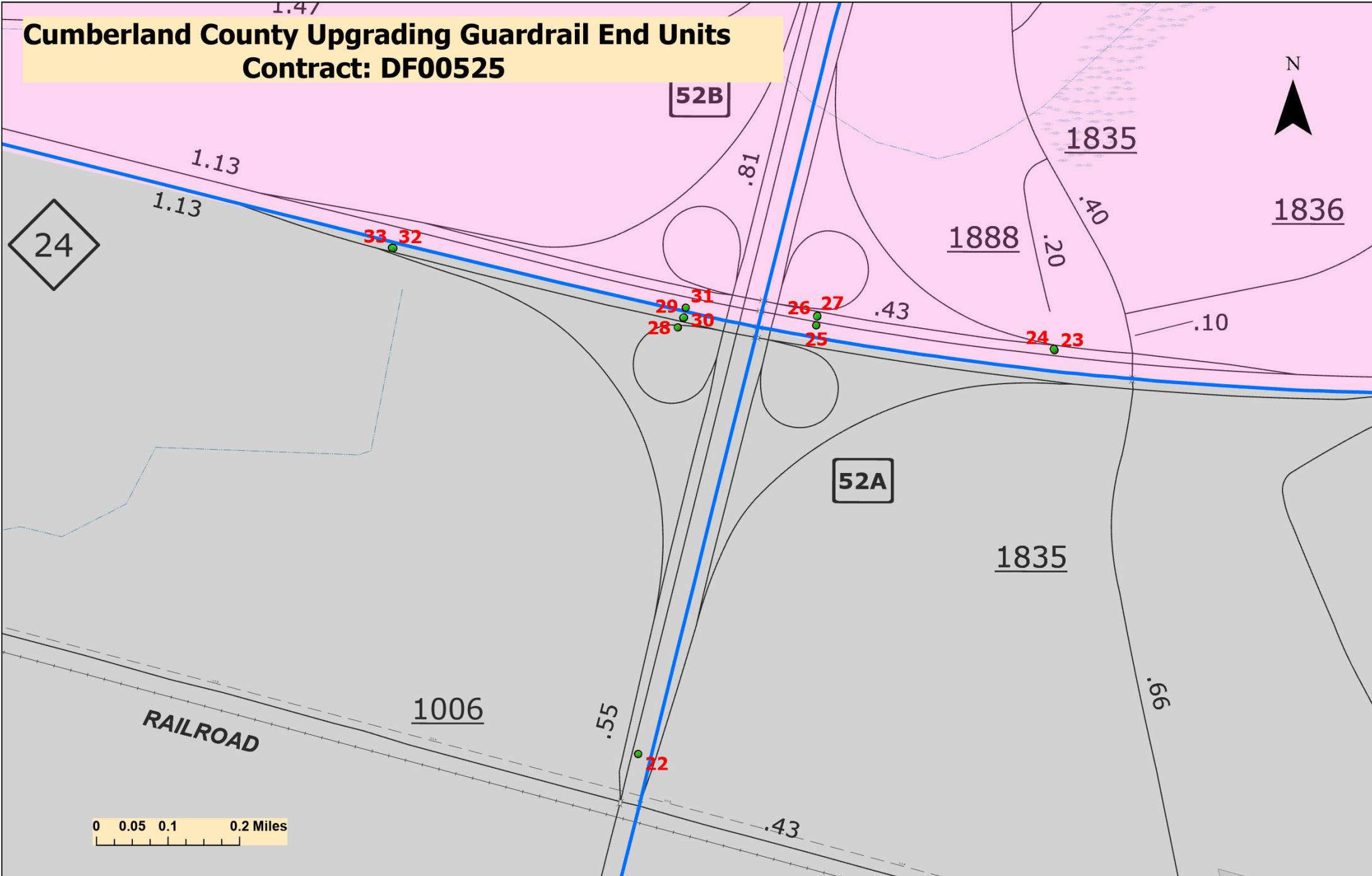


Columbus County Upgrading Guardrail End Units Contract: DF00525



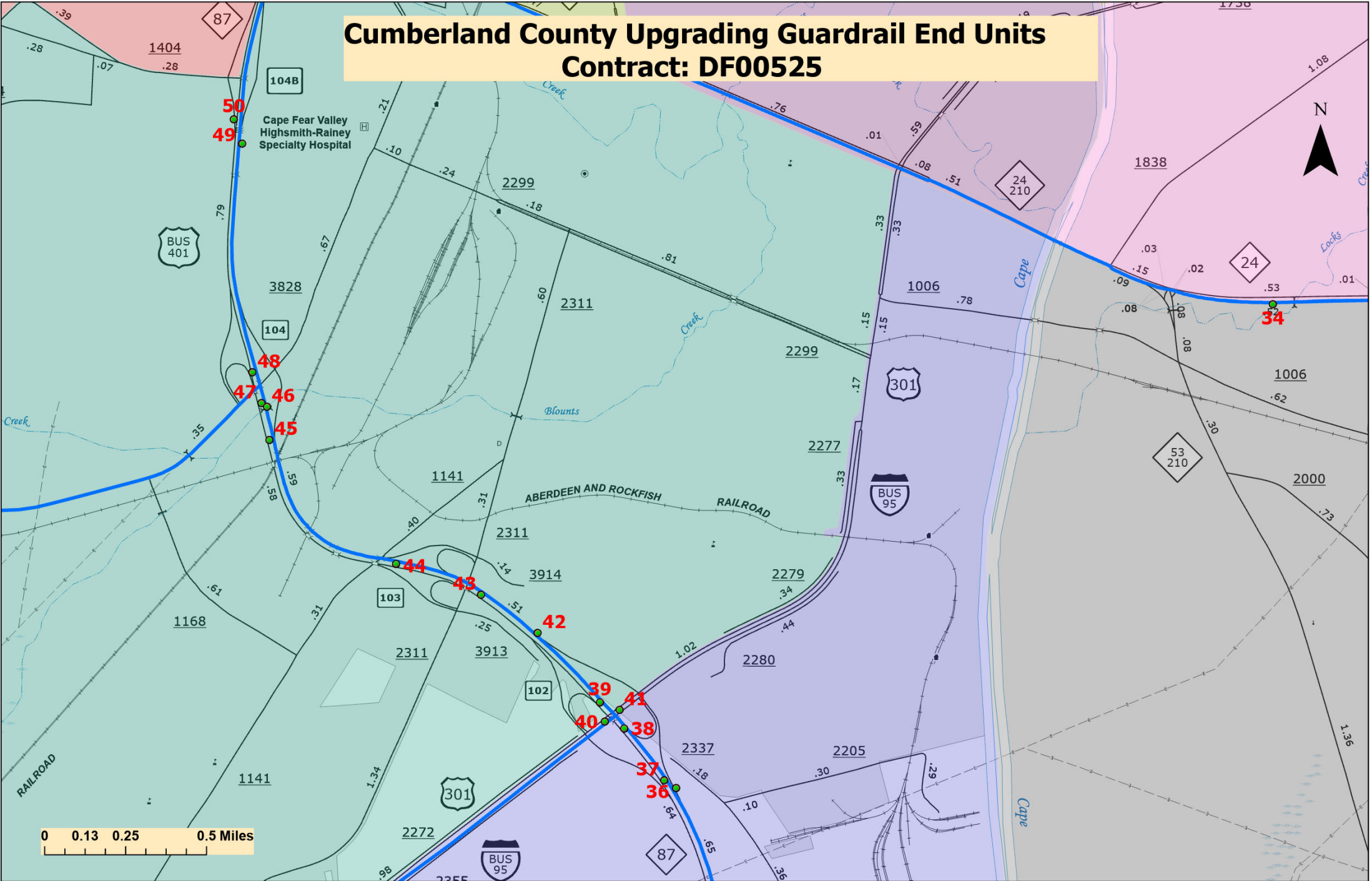
0 0.35 0.7 1.4 Miles

Cumberland County Upgrading Guardrail End Units
Contract: DF00525



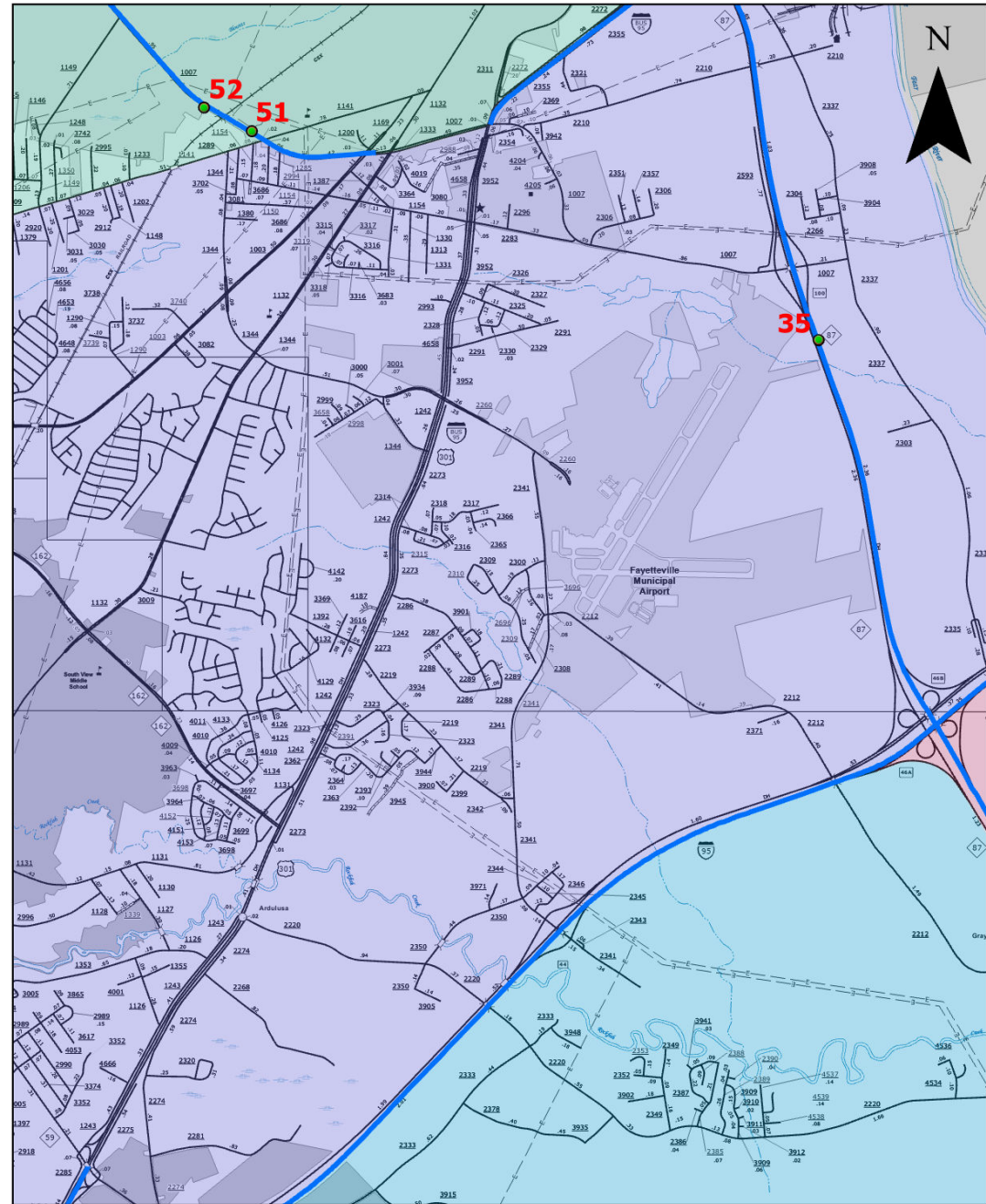
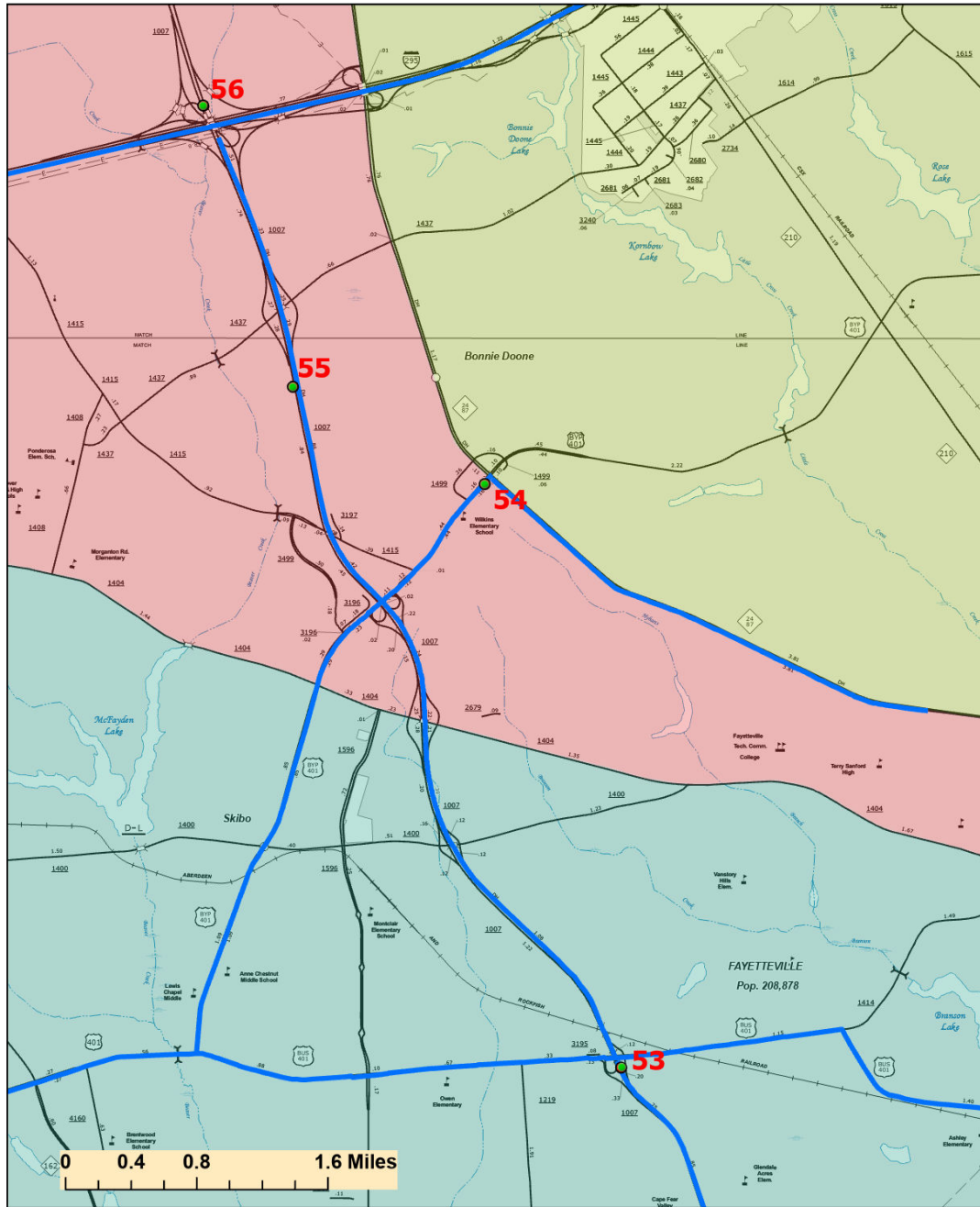
0 0.05 0.1 0.2 Miles

Cumberland County Upgrading Guardrail End Units Contract: DF00525

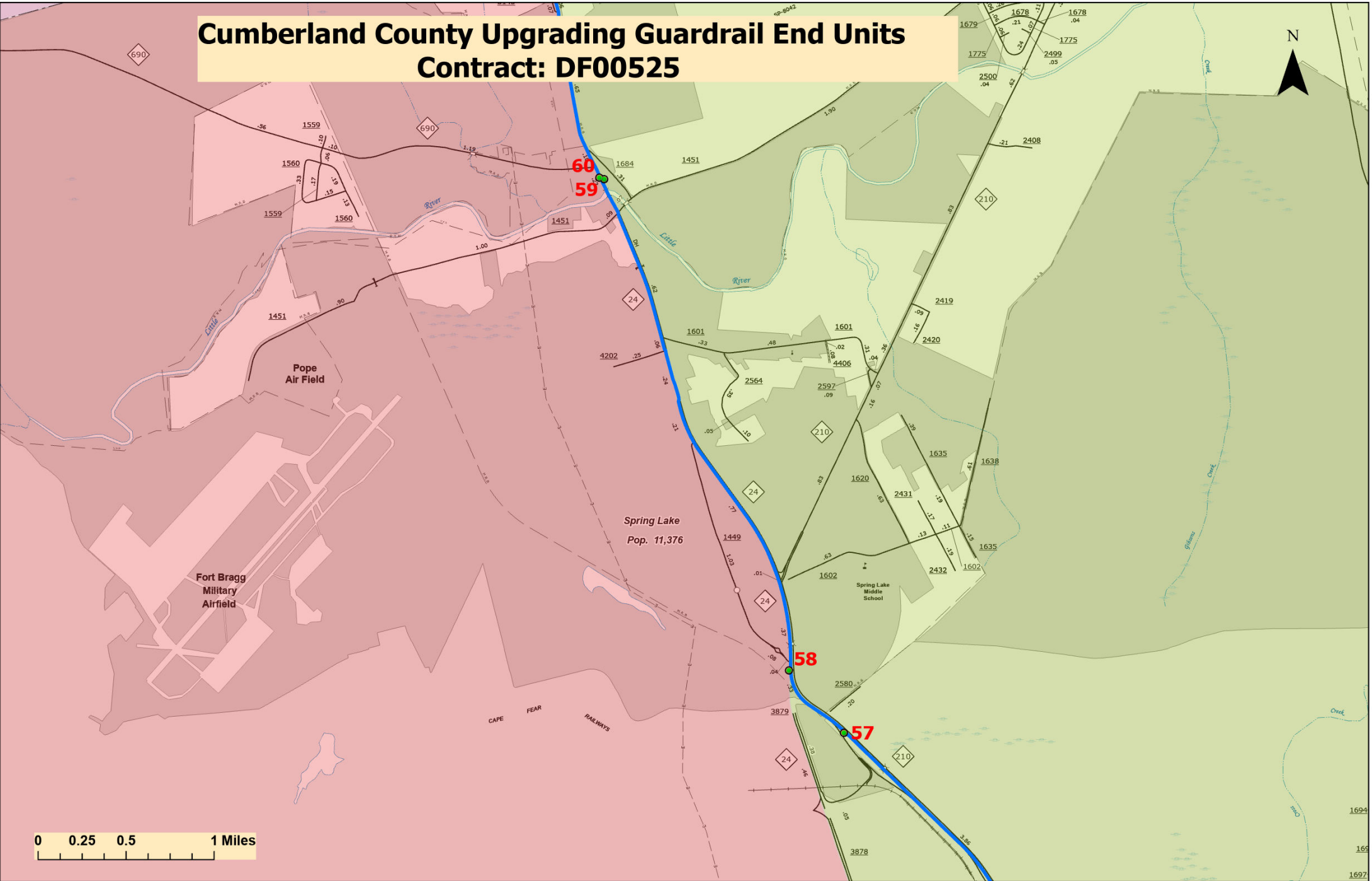


Cumberland County Upgrading Guardrail End Units

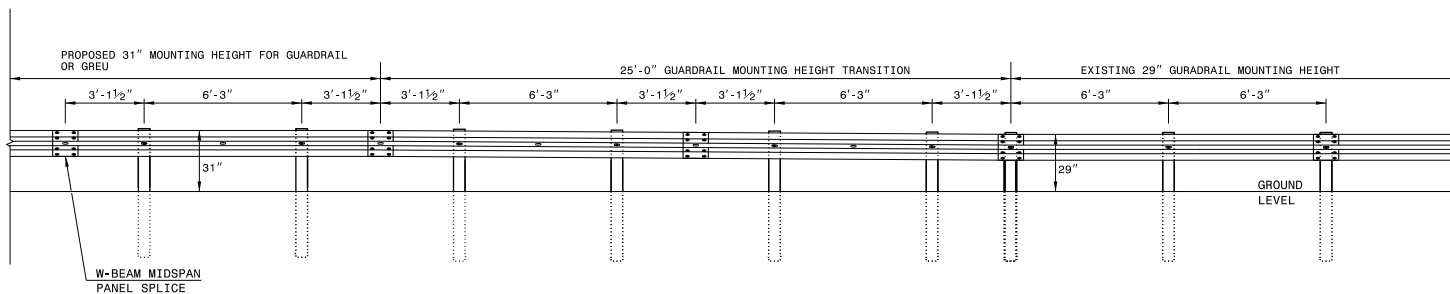
Contract: DF00525



Cumberland County Upgrading Guardrail End Units Contract: DF00525



NOTE: IF EXISTING GUARDRAIL IS LOWER THAN 29", USE AN ADDITIONAL 12'-6" LONG SECTION OF GUARDRAIL, FOR EVERY 1" OF HEIGHT DIFFERENCE, TO TRANSITION FROM EXISTING GUARDRAIL TO PROPOSED 31" GUARDRAIL.



ELEVATION VIEW

TRANSITION FROM 29" TO 31" W-BEAM GUARDRAIL MOUNTING HEIGHT

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 5 OF 9
862D02



C:\FEG-2005\0163_ Revisions\862D02 Det01\862D02.dgn
 USER:RME
 \$\$\$USERNAME\$\$\$

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: K. Ahrhage	DATE: 02-25
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

GUARDRAIL SUMMARY OF QUANTITIES

PROJECT NO.
DF00525
SHEET NO.

SITE #	DISTRICT	COUNTY	ROUTE	LATITUDE	LONGITUDE	LOCATION IN THE DIRECTION OF TRAVEL (LT/RT)	000010000-N	004300000-N	303000000-E	315000000-N	328700000-N	336000000-E	445700000-N	608400000-E
							MOBILIZATION	GRADING (226)	STEEL BM GUARDRAIL	ADDITIONAL GUARDRAIL POSTS	GUARDRAIL END UNITS, TYPE TL-3	REMOVE EXISTING GUARDRAIL	TEMPORARY TRAFFIC CONTROL	SEED & MULCH
								See Standard 862.01 For Guardrail Grading Requirements	See Detail 862D02 For Guardrail Transitioning To New Height.		See Detail 862D02 For Guardrail Transitioning To New Height.			
LS	LS	LF	EA	EA	LF	LS	AC							
1	2	Columbus	US-74	34.249912	-78.659216	Eastbound - LT	±	±	50.00	±	±	100.00	±	0.03
2	2	Columbus	US-74	34.249903	-78.664910	Westbound - RT	±	±	50.00	±	±	100.00	±	0.03
3	2	Columbus	US-74	34.251112	-78.699231	Westbound - RT	±	±	50.00	±	±	100.00	±	0.03
4	2	Columbus	US-74	34.250761	-78.700725	Eastbound - RT	±	±	50.00	±	±	100.00	±	0.03
5	3	Columbus	US-74	34.338326	-78.788168	Westbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
6	3	Columbus	US-74	34.380822	-78.854779	Westbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
7	3	Columbus	US-74	34.396718	-78.900789	Eastbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
8	3	Columbus	US-74	34.402470	-78.916889	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
9	3	Columbus	US-74	34.420771	-78.939813	Westbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
10	3	Columbus	US-74	34.423190	-78.941981	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
11	3	Columbus	US-74	34.441250	-78.957281	Westbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
12	3	Columbus	US-74	34.443548	-78.960634	Eastbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
13	3	Bladen	NC-87	34.608633	-78.586453	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
14	3	Bladen	NC-87	34.608153	-78.587243	Southbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
15	3	Bladen	NC-87	34.606240	-78.599000	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
16	3	Bladen	NC-87	34.605413	-78.601604	Southbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
17	3	Bladen	NC-87	34.604047	-78.620984	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
18	3	Bladen	NC-87	34.608469	-78.635473	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
19	3	Bladen	NC-87	34.609640	-78.637870	Southbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
20	3	Bladen	NC-87	34.628942	-78.653557	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
21	3	Bladen	NC-87	34.629633	-78.654605	Southbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
22	2	Cumberland	I-95	35.035610	-78.805683	Southbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
23	2	Cumberland	NC-24	35.042283	-78.797275	Westbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
24	2	Cumberland	NC-24	35.042305	-78.797284	Westbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
25	2	Cumberland	NC-24	35.042692	-78.802088	Westbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
26	2	Cumberland	NC-24	35.042837	-78.802087	Westbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
27	2	Cumberland	NC-24	35.042851	-78.802064	Westbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
28	2	Cumberland	NC-24	35.042660	-78.804883	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
29	2	Cumberland	NC-24	35.042818	-78.804770	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
30	2	Cumberland	NC-24	35.042824	-78.804757	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
31	2	Cumberland	NC-24	35.042988	-78.804720	Eastbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
32	2	Cumberland	NC-24	35.043967	-78.810626	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
33	2	Cumberland	NC-24	35.043978	-78.810654	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
34	2	Cumberland	NC-24	35.047824	-78.847562	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
35	2	Cumberland	NC-87	35.004619	-78.866382	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
36	2	Cumberland	NC-87	35.030147	-78.874220	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
37	2	Cumberland	NC-87	35.030430	-78.874759	Northbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
38	2	Cumberland	NC-87	35.032323	-78.876543	Northbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
39	2	Cumberland	NC-87	35.032278	-78.877631	Southbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
40	2	Cumberland	US-301	35.032576	-78.877412	Northbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
41	2	Cumberland	US-301	35.033002	-78.876752	Southbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
42	2	Cumberland	NC-87	35.035812	-78.880411	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
43	2	Cumberland	NC-87	35.037207	-78.882938	Northbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
44	2	Cumberland	NC-87	35.038339	-78.886732	Northbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
45	2	Cumberland	NC-87	35.042864	-78.892389	Southbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
46	2	Cumberland	NC-87	35.044075	-78.892507	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
47	2	Cumberland	NC-87	35.044210	-78.892743	Northbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
48	2	Cumberland	NC-87	35.045334	-78.893154	Southbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
49	2	Cumberland	NC-87	35.053687	-78.893608	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
50	2	Cumberland	NC-87	35.054581	-78.893980	Southbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
51	2	Cumberland	SR-1007	35.019730	-78.916481	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
52	2	Cumberland	SR-1007	35.021429	-78.920713	Southbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
53	2	Cumberland	SR-1007	35.043392	-78.938647	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
54	2	Cumberland	US-401	35.085454	-78.950698	Northbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
55	2	Cumberland	SR-1007	35.092455	-78.967601	Southbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
56	2	Cumberland	SR-1007	35.112718	-78.975529	Southbound - LT	*	*	50.00	*	1.00	100.00	*	0.03
57	2	Cumberland	NC-24	35.157781	-78.967769	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
58	2	Cumberland	NC-24	35.161971	-78.972284	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
59	2	Cumberland	NC-24	35.194946	-78.987468	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
60	2	Cumberland	NC-24	35.195047	-78.987863	Eastbound - RT	*	*	50.00	*	1.00	100.00	*	0.03
TOTAL QUANTITIES							1.00	1.00	2,800.00	10.00	56.00	5600.00	1.00	1.80