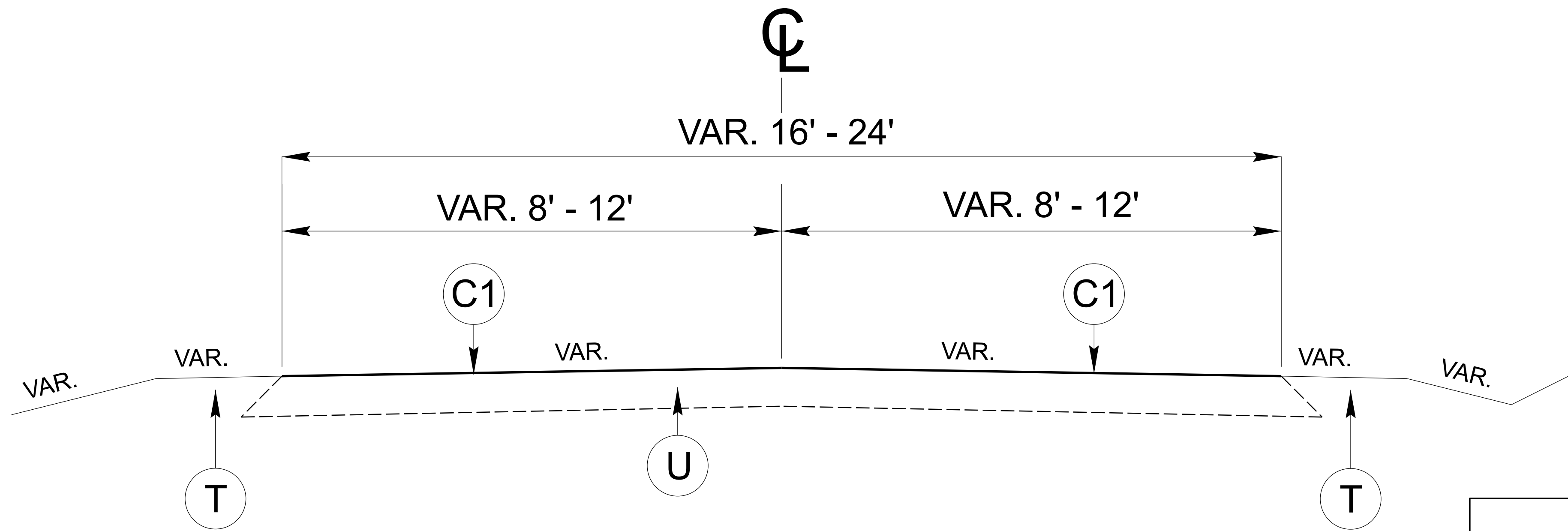


5/26/20

\* "PATCHING EXISTING PAVEMENT" HAS BEEN INCLUDED AS A PAY ITEM ON MAPS. PATCHING MAY OR MAY NOT BE NEEDED DEPENDING ON CONDITION OF MAP SURFACE AT TIME THAT PAVING SEASON BEGINS. AREAS TO BE DELINIATED BY THE ENGINEER.

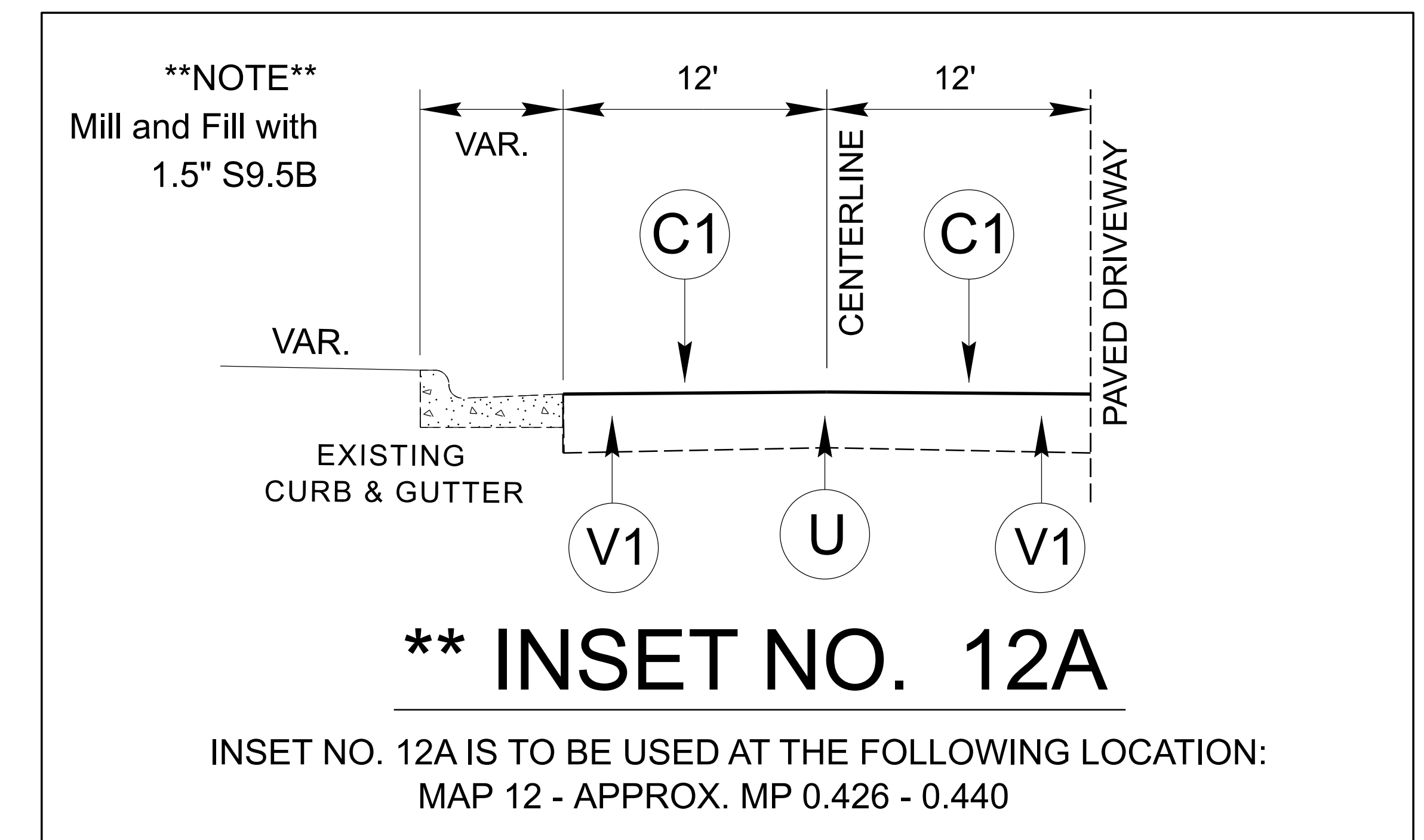
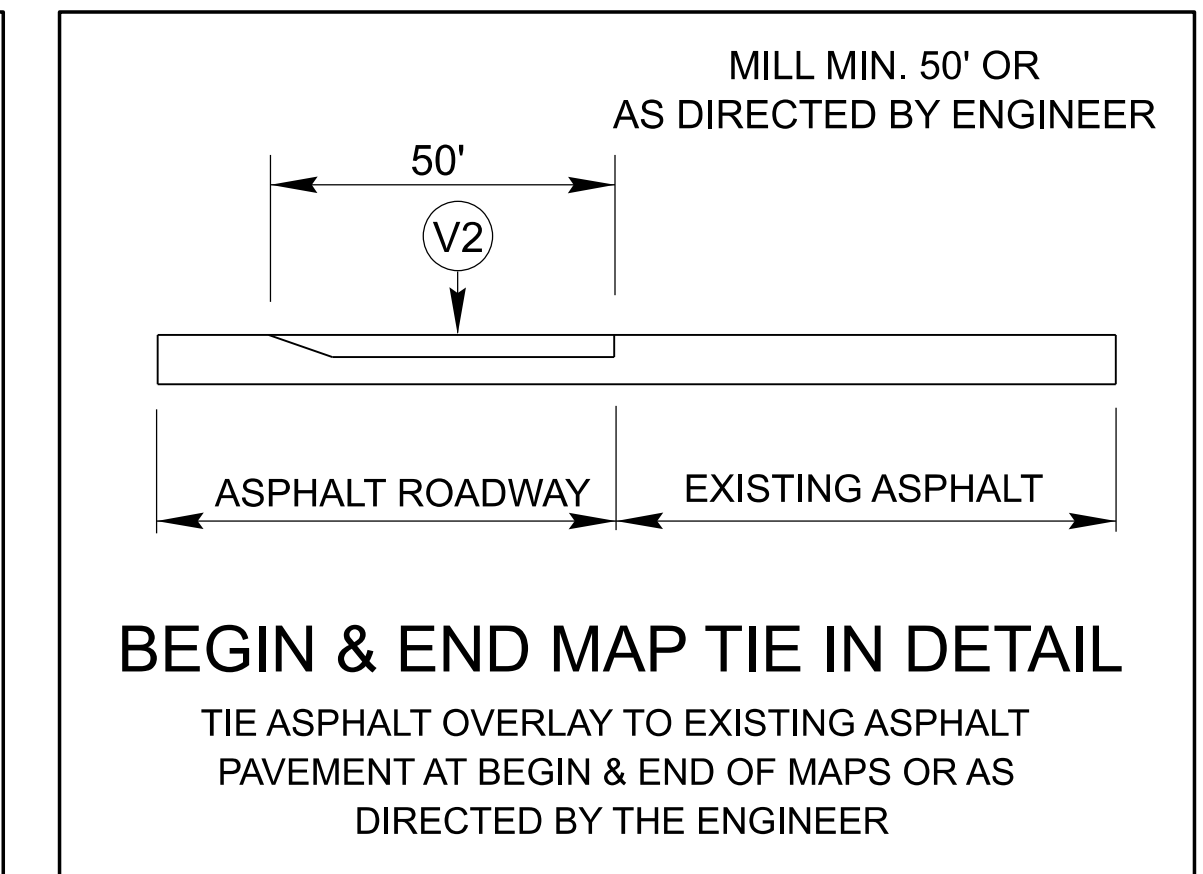
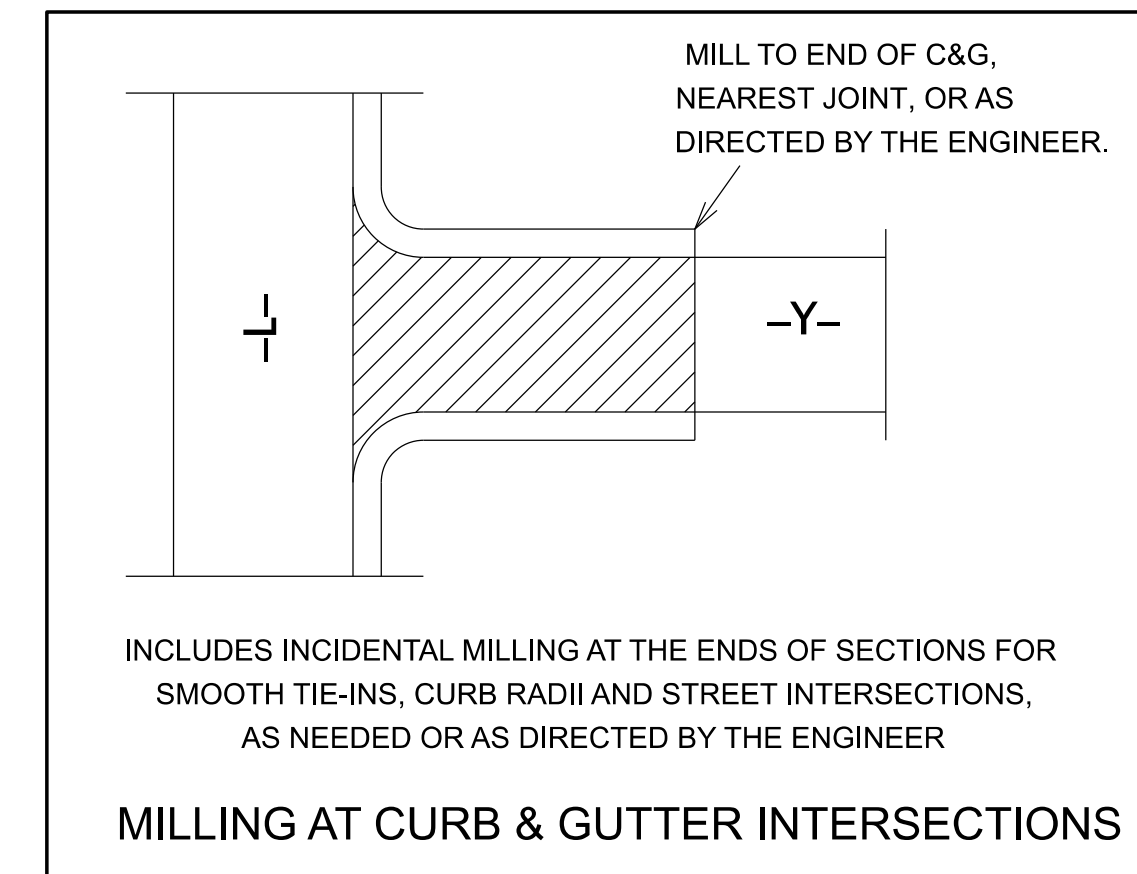
\* INCIDENTAL MILLING AT LOCATIONS AS DIRECTED BY THE ENGINEER



## TYPICAL SECTION NO. 1

- MAP 1 - SR 1113 BOWMAN FROM US 221 TO EOM
- MAP 2 - SR 1134 MARTINS BRANCH FROM SR 1132 TO EOM
- MAP 3 - SR 1148 DELLINGER FROM US 221 TO SR 1143
- MAP 4 - SR 1197 JOHNSON FROM SR 1174 TO EOM
- MAP 5 - SR 1206 COPE HOLLOW FROM SR 1143 TO EOM
- MAP 6 - SR 1335 GUALTNEY FROM NC 194 TO EOP
- MAP 7 - SR 1337 DOBBINS FROM SR 1355 TO WATAUGA CO. LINE
- MAP 8 - SR 1340 NORWOOD HOLLOW FROM NC 184 TO EOM
- MAP 9 - SR 1362 PERRY RD FROM NC 184 TO EOM
- MAP 10 - SR 1363 TUMBLING BROOK FROM NC 184 TO EOM
- MAP 11 - SR 1507 COFFEY FROM US 221 TO MP 0.10
- \*\* MAP 12 - SR 1547 HOSPITAL FROM NC 181 TO EOM  
 \*\*(See Inset No.12A for additional info)
- MAP 13 - SR 1549 OAK FROM SR 1548 TO EOM

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/2"
V2	INCIDENTAL MILLING (See Tie in Detail)

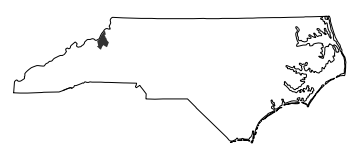


[ NOTE: MP IS REFERENCED FROM GOINC MAPS ]

DK00450

001

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

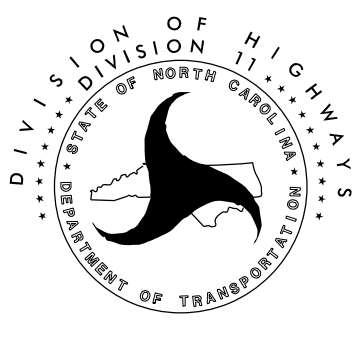


DIVISION ELEVEN

AVERY COUNTY

SECONDARY ROADS

2026  
ASPHALT  
RESURFACING



DATE: 1/22/2026  
PREPARED BY: DLH

REVISIONS

PROJECT NO.	SHEET NO.
DK00450	2

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN	END	1220000000-E	1245000000-E	1260000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E	2830000000-N
								MI	FT	MP	MP	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJ. OF MANHOLES
												TONS	SMI	TON	SY	TONS	TONS	TONS	EA
2026CPT.11.06.20061	Avery	1	SR-1113 / BOWMAN	FROM US 221 TO END OF MAINTENANCE	1	2	2WU	0.600	16	0.000	0.600	12	1.20	331	50	492	34	50	
2026CPT.11.06.20061	Avery	2	SR-1134 / MARTINS BRANCH	FROM SR 1132 TO END OF MAINTENANCE	1	2	2WU	0.819	16	0.000	0.819	20	1.64	453	25	671	44		
2026CPT.11.06.20061	Avery	3	SR-1148 / DELLINGER	FROM US 221 TO SR 1143	1	2	2WU	0.330	16	0.000	0.330	6	0.66	182	25	270	18		
2026CPT.11.06.20061	Avery	4	SR-1197 / JOHNSON	FROM SR 1174 TO END OF MAINTENANCE	1	2	2WU	0.320	16	0.000	0.320	6	0.64	177	25	262	17		
2026CPT.11.06.20061	Avery	5	SR-1206 / COPE HOLLOW	FROM SR 1143 TO END OF MAINTENANCE	1	2	2WU	0.390	18	0.000	0.390	7	0.78	215	20	359	25	30	
2026CPT.11.06.20061	Avery	6	SR-1335 / GUALTNEY	FROM NC 194 TO END OF PAVEMENT	1	2	2WU	0.740	18	0.000	0.740	13	1.48	408	20	682	47	60	
2026CPT.11.06.20061	Avery	7	SR-1337 / DOBBINS	FROM SR 1355 TO WATAUGA COUNTY LINE	1	2	2WU	0.390	16	1.720	2.110	3	0.78	215	20	320	22	30	
2026CPT.11.06.20061	Avery	8	SR-1340 / NORWOOD HOLLOW	FROM NC 184 TO END OF MAINTENANCE	1	2	2WU	0.245	18	0.000	0.245	6	0.49	135	20	226	16	25	
2026CPT.11.06.20061	Avery	9	SR-1362 / PERRY ROAD	FROM NC 184 TO END OF MAINTENANCE	1	2	2WU	0.200	16	0.000	0.200	6	0.40	110	20	164	12	25	
2026CPT.11.06.20061	Avery	10	SR-1363 / TUMBLING BROOK	FROM NC 184 TO END OF MAINTENANCE	1	2	2WU	0.200	16	0.000	0.200	6	0.40	110	20	164	11		
2026CPT.11.06.20061	Avery	11	SR-1507 / COFFEY	FROM US 221 TO MP 0.10	1	2	2WU	1.000	16.5	0.000	1.000	15	2.00	552	9,680	921	60		
2026CPT.11.06.20061	Avery	12	SR-1547 / HOSPITAL	FROM NC 181 TO END OF MAINTENANCE	1	2	2WU	0.440	16	0.000	0.440	7	0.88	243	208	361	25	25	16
2026CPT.11.06.20061	Avery	13	SR-1549 / OAK	FROM SR 1548 TO END OF MAINTENANCE	1	2	2WU	0.385	18	0.000	0.385	7	0.77	213	25	355	24	25	
<b>TOTAL FOR PROJ NO. 2026CPT.11.06.20061</b>								<b>6.059</b>				<b>114</b>	<b>12.12</b>	<b>3,344</b>	<b>10,158</b>	<b>5,247</b>	<b>355</b>	<b>270</b>	<b>16</b>
<b>GRAND TOTAL</b>								<b>6.059</b>				<b>114</b>	<b>12.12</b>	<b>3,344</b>	<b>10,158</b>	<b>5,247</b>	<b>355</b>	<b>270</b>	<b>16</b>

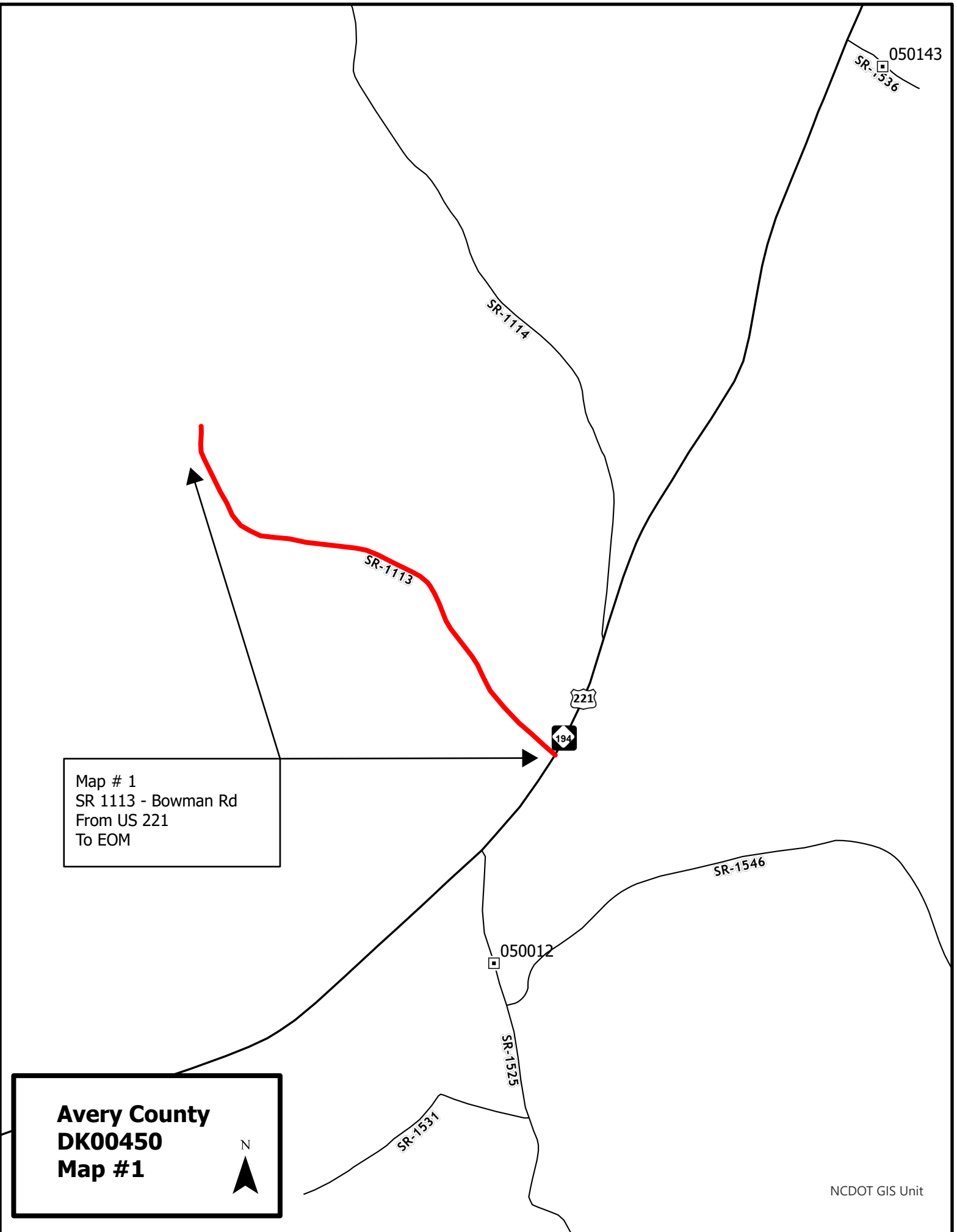
[MILE POST MAPS](#)

PROJECT NO.	SHEET NO.
DK00450	3

### THERMOPLASTIC AND PAINT QUANTITIES

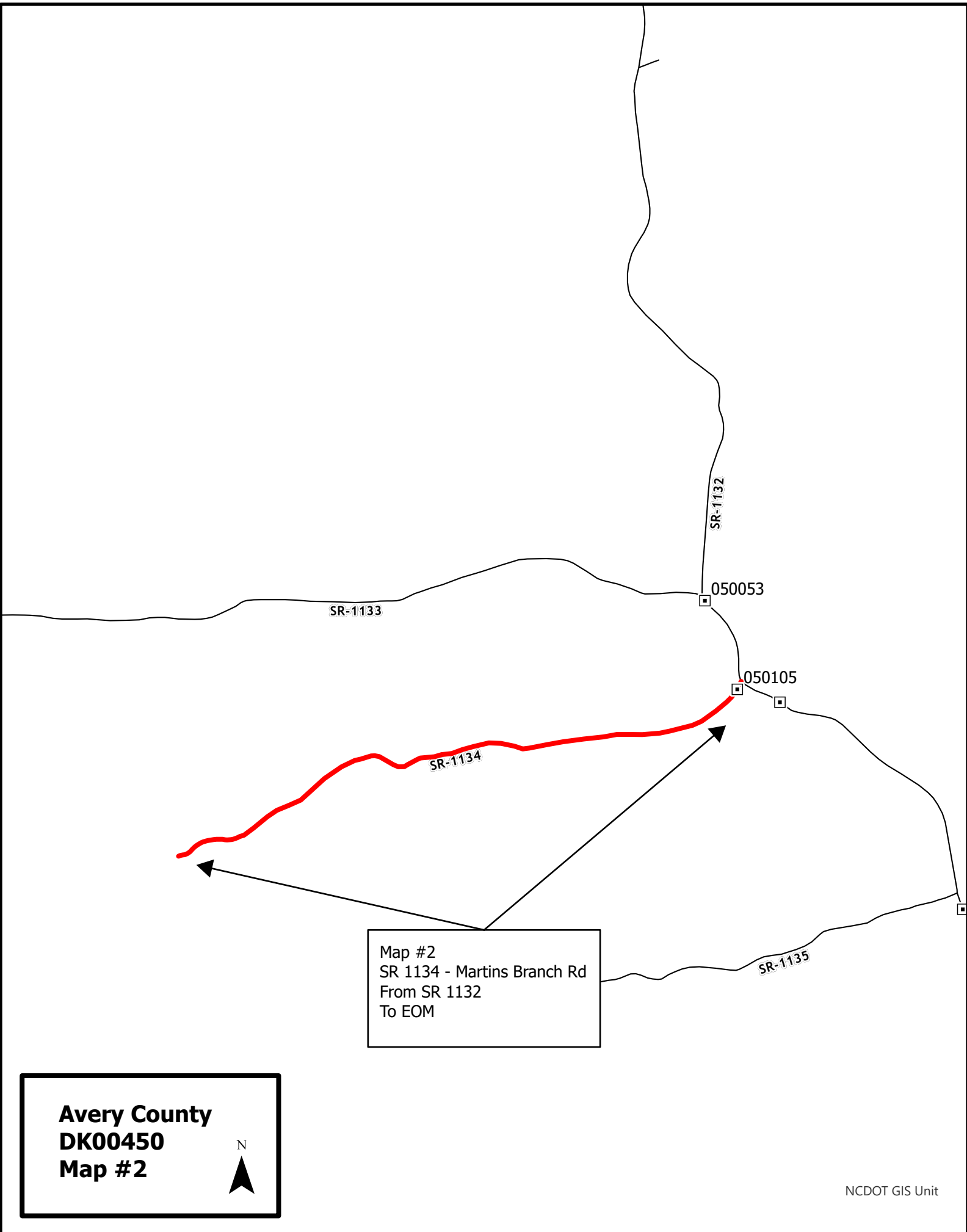
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	441300000-E	489000000-E
								MI	FT			WORK ZONE ADVANCE/GENERAL WARNING SIGNING	GENERIC PAVEMENT MARKING ITEM HOT SPRAY THERMOPLASTIC, 4" 65 MIL
												SF	LF
2026CPT.11.06.20061	Avery	1	SR-1113 / BOWMAN	FROM US 221 TO END OF MAINTENANCE	1	2	2WU	0.6	16	0	0.6	112	
2026CPT.11.06.20061	Avery	2	SR-1134 / MARTINS BRANCH	FROM SR 1132 TO END OF MAINTENANCE	1	2	2WU	0.819	16	0	0.819	112	
2026CPT.11.06.20061	Avery	3	SR-1148 / DELLINGER	FROM US 221 TO SR 1143	1	2	2WU	0.33	16	0	0.33	112	6,200
2026CPT.11.06.20061	Avery	4	SR-1197 / JOHNSON	FROM SR 1174 TO END OF MAINTENANCE	1	2	2WU	0.32	16	0	0.32	112	
2026CPT.11.06.20061	Avery	5	SR-1206 / COPE HOLLOW	FROM SR 1143 TO END OF MAINTENANCE	1	2	2WU	0.39	18	0	0.39	112	
2026CPT.11.06.20061	Avery	6	SR-1335 / GUALTNEY	FROM NC 194 TO END OF PAVEMENT	1	2	2WU	0.74	18	0	0.74	112	15,900
2026CPT.11.06.20061	Avery	7	SR-1337 / DOBBINS	FROM SR 1355 TO WATAUGA COUNTY LINE	1	2	2WU	0.39	16	1.72	2.11	196	8,200
2026CPT.11.06.20061	Avery	8	SR-1340 / NORWOOD HOLLOW	FROM NC 184 TO END OF MAINTENANCE	1	2	2WU	0.245	18	0	0.245	112	
2026CPT.11.06.20061	Avery	9	SR-1362 / PERRY ROAD	FROM NC 184 TO END OF MAINTENANCE	1	2	2WU	0.2	16	0	0.2	112	
2026CPT.11.06.20061	Avery	10	SR-1363 / TUMBLING BROOK	FROM NC 184 TO END OF MAINTENANCE	1	2	2WU	0.2	16	0	0.2	112	
2026CPT.11.06.20061	Avery	11	SR-1507 / COFFEY	FROM US 221 TO MP 0.10	1	2	2WU	1	16.5	0	1	112	
2026CPT.11.06.20061	Avery	12	SR-1547 / HOSPITAL	FROM NC 181 TO END OF MAINTENANCE	1	2	2WU	0.44	16	0	0.44	112	9,020
2026CPT.11.06.20061	Avery	13	SR-1549 / OAK	FROM SR 1548 TO END OF MAINTENANCE	1	2	2WU	0.385	18	0	0.385	112	
<b>TOTAL FOR PROJ NO. 2026CPT.11.06.20061</b>								<b>6.059</b>				<b>1,540</b>	<b>39,320</b>
<b>GRAND TOTAL</b>								<b>6.059</b>				<b>1,540</b>	<b>39,320</b>

[MILE POST MAPS](#)



Map # 1  
 SR 1113 - Bowman Rd  
 From US 221  
 To EOM

**Avery County**  
**DK00450**  
**Map #1**



Map #2  
 SR 1134 - Martins Branch Rd  
 From SR 1132  
 To EOM

**Avery County**  
**DK00450**  
**Map #2**

Map # 3  
SR 1148 - Dellinger Rd  
From US 221  
To SR 1143

SR-1143

SR-1148

221

194

**Avery County**  
**DK00450**  
**Map #3**



NCDOT GIS Unit

Map #4  
SR 1197 - Johnson Rd  
From SR 1174  
To EOM

SR-1197

SR-1174

SR-1119

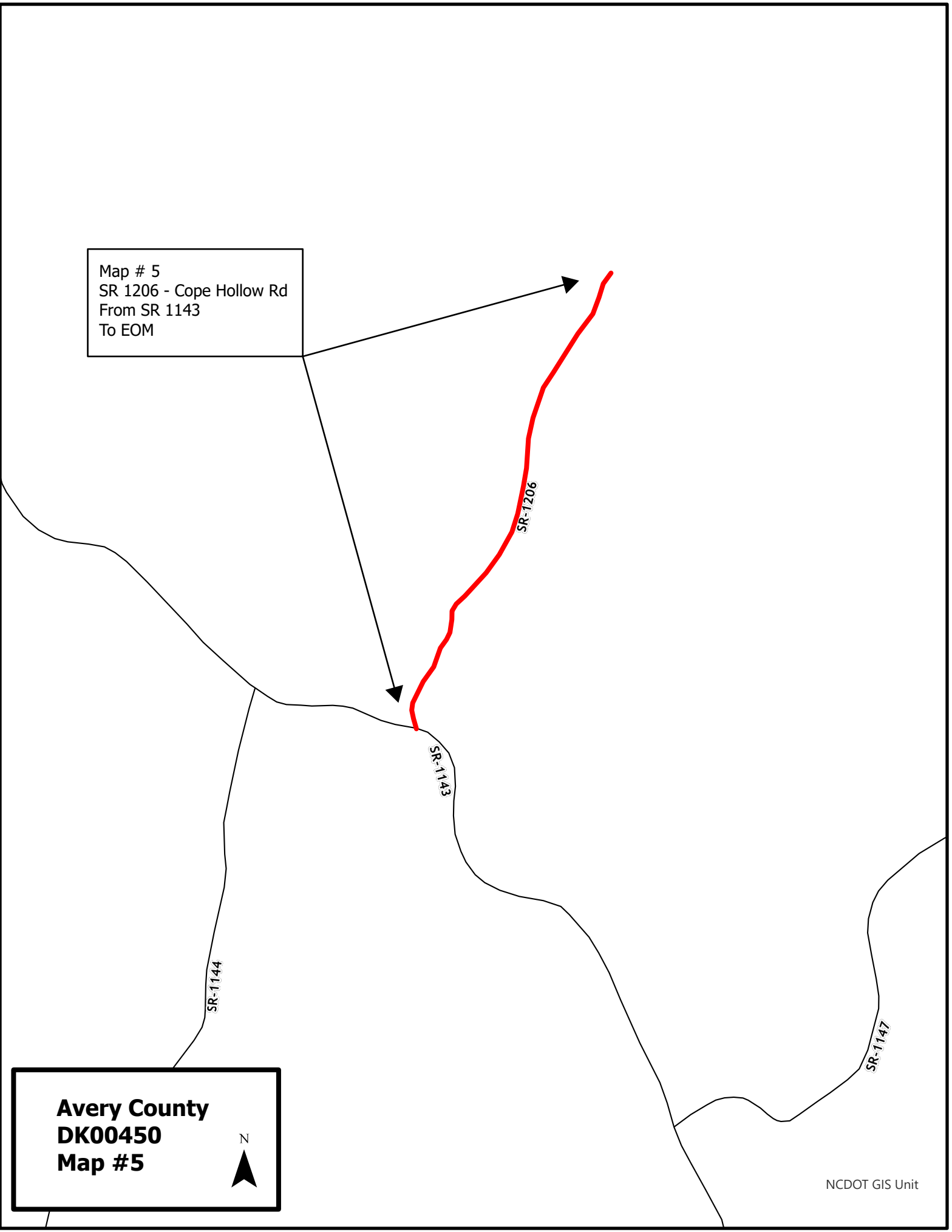
SR-1142

**Avery County**  
**DK00450**  
**Map #4**

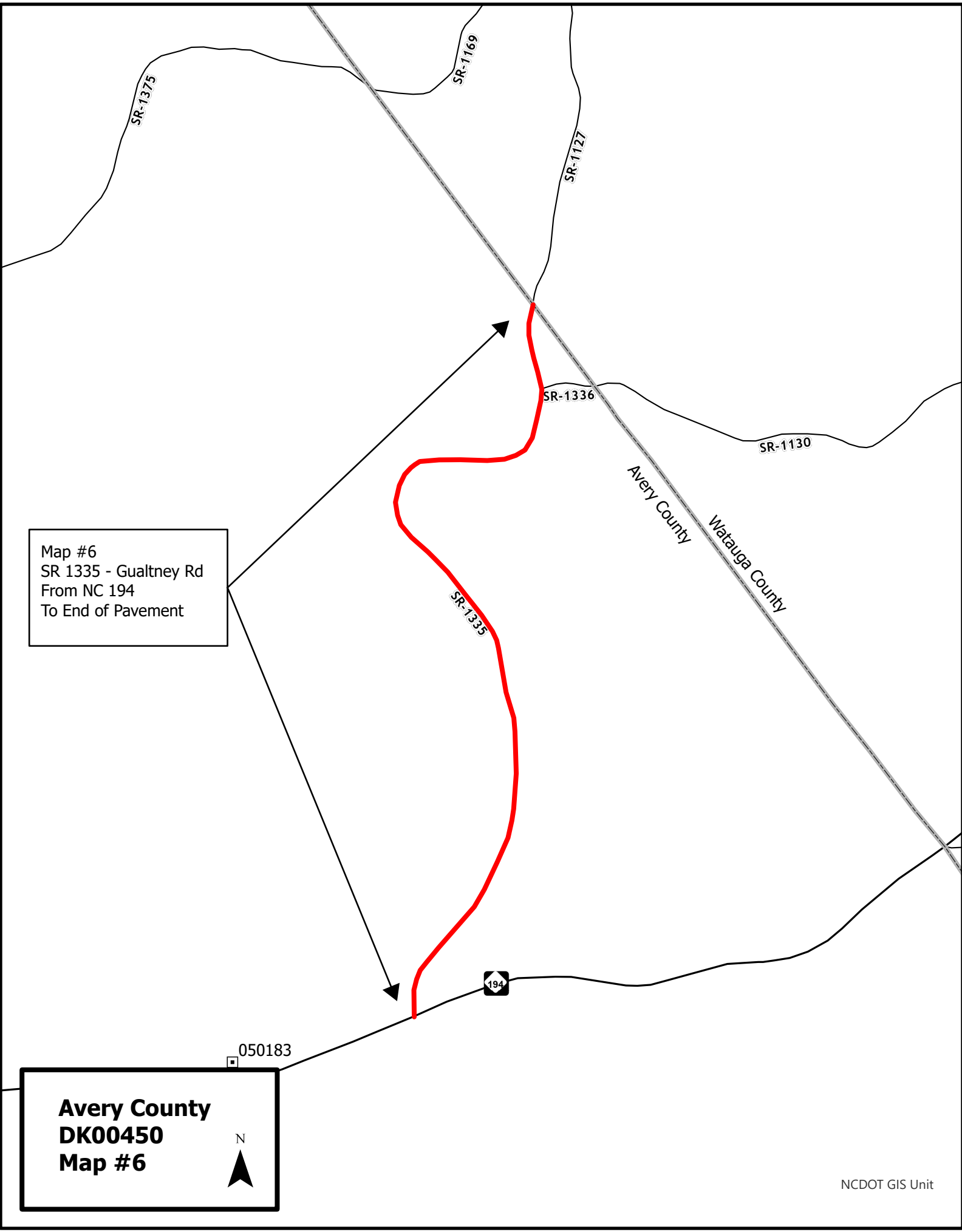


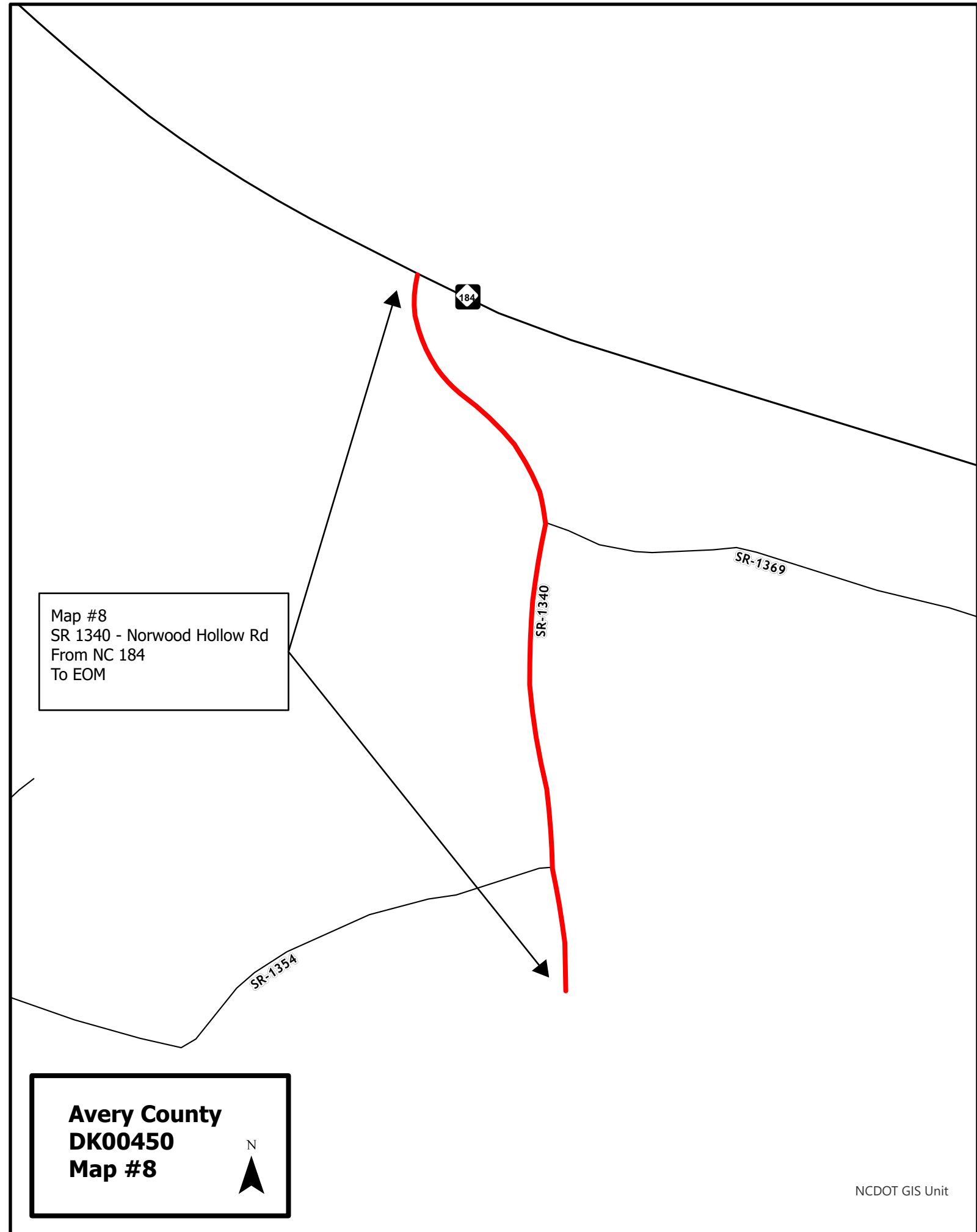
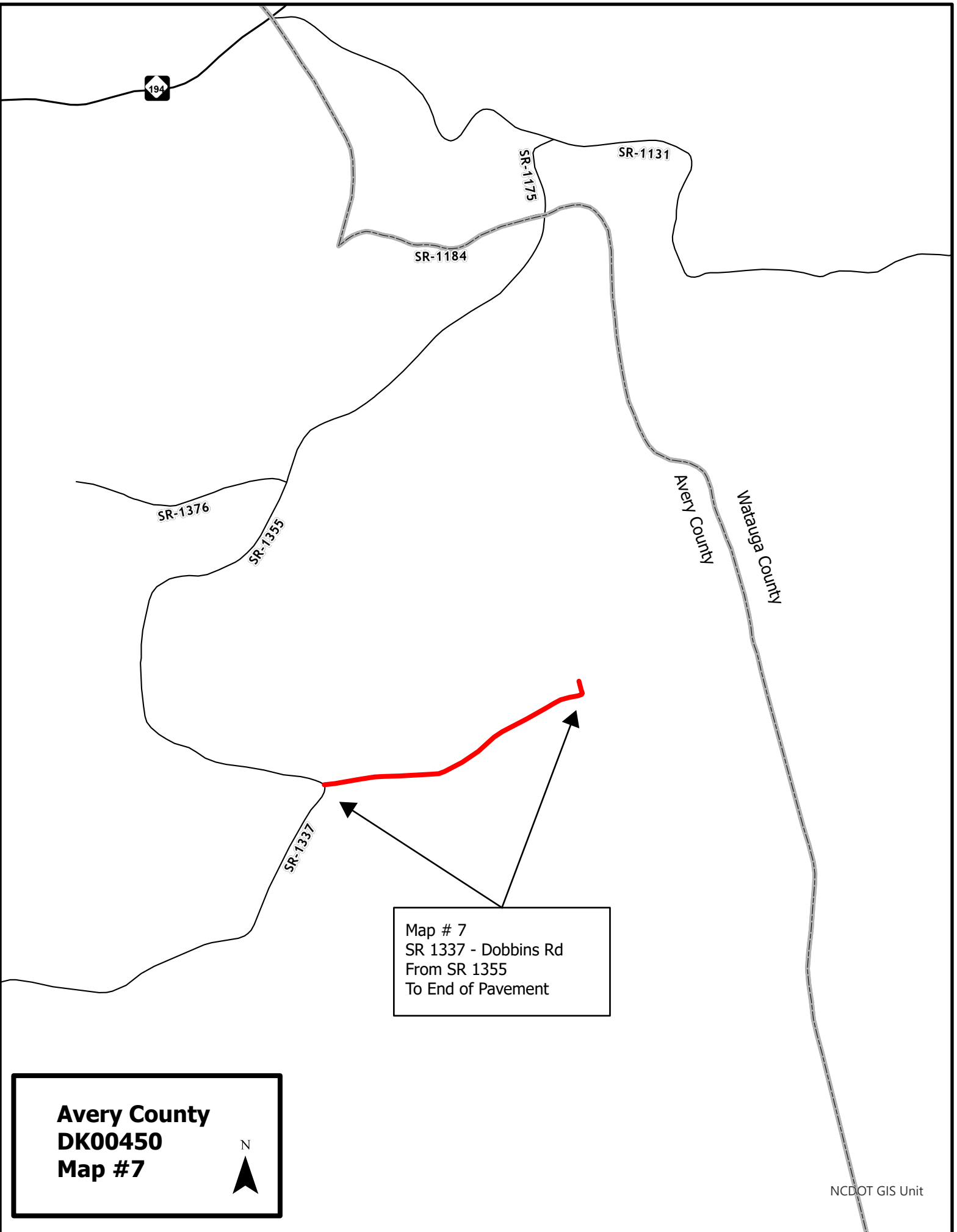
NCDOT GIS Unit

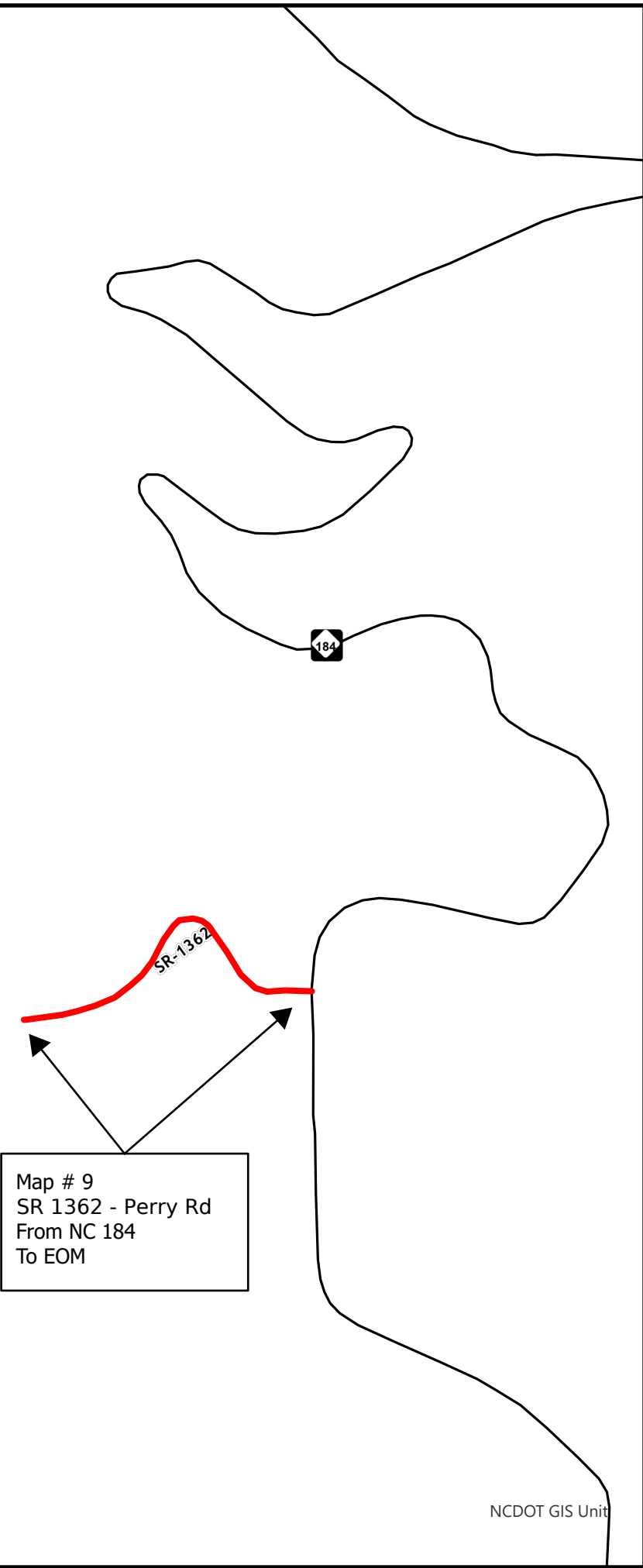
Map # 5  
SR 1206 - Cope Hollow Rd  
From SR 1143  
To EOM



Map #6  
SR 1335 - Gaultney Rd  
From NC 194  
To End of Pavement



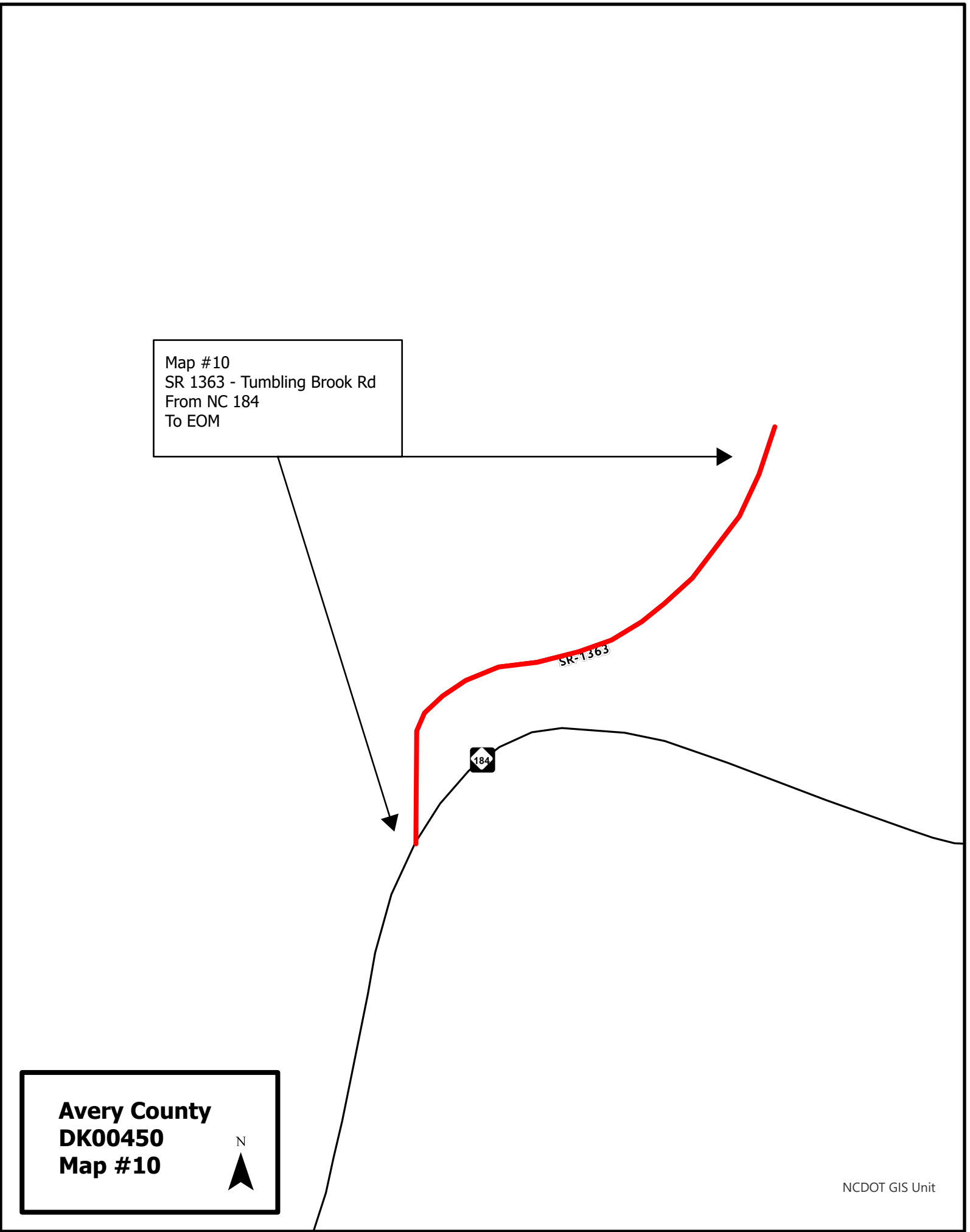




**Avery County**  
**DK00450**  
**Map #9**



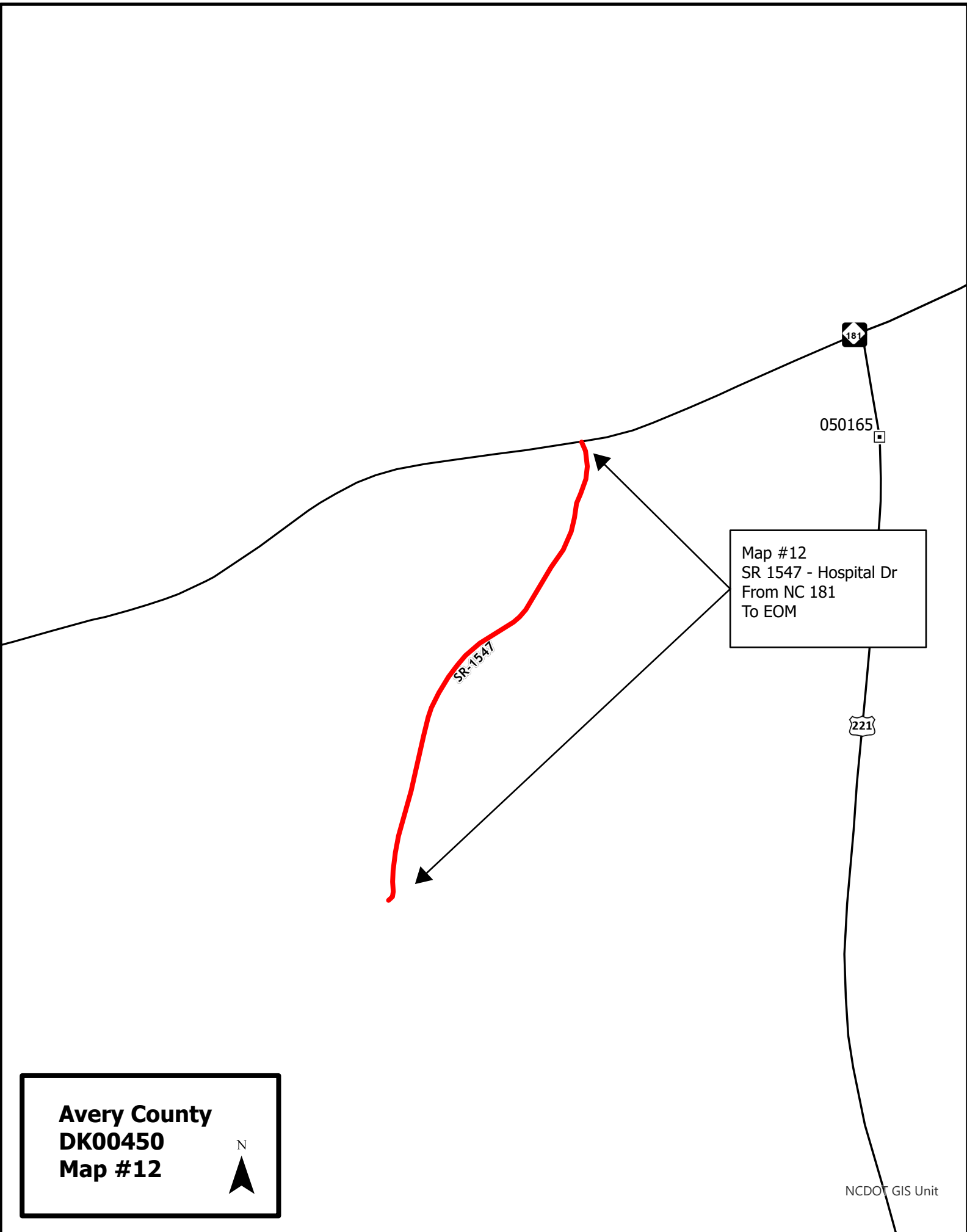
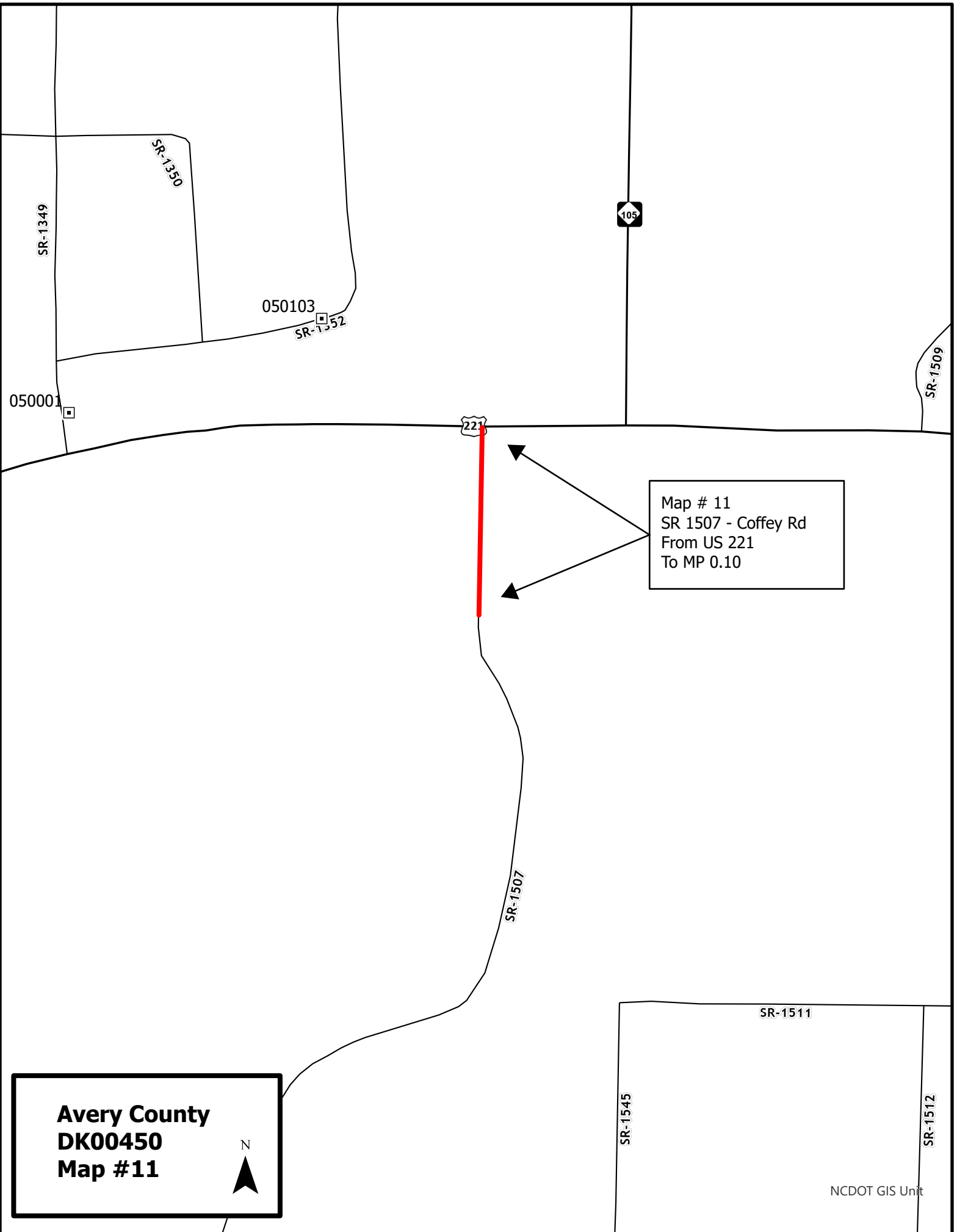
NCDOT GIS Unit



**Avery County**  
**DK00450**  
**Map #10**



NCDOT GIS Unit



**Avery County**  
**DK00450**  
**Map #13**



Map # 13  
SR 1549 - Oak St  
FROM SR 1548  
TO EOM

SR-1548 050184

SR-1549

SR-1549

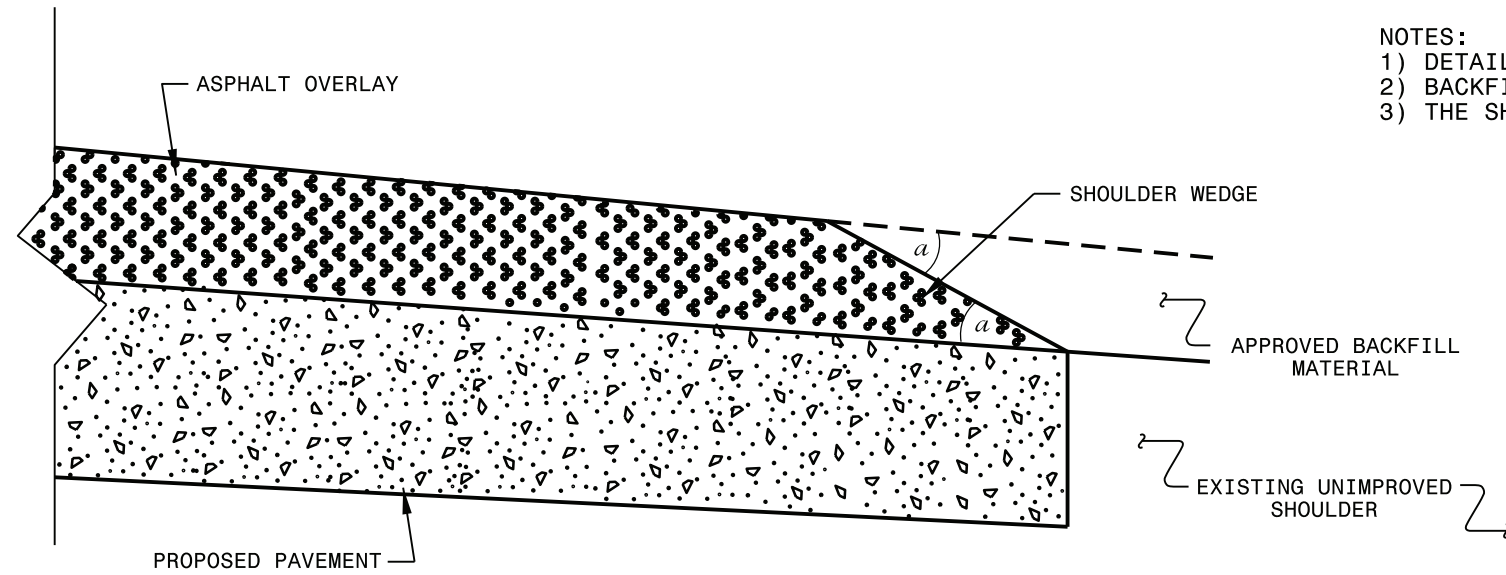
221

105

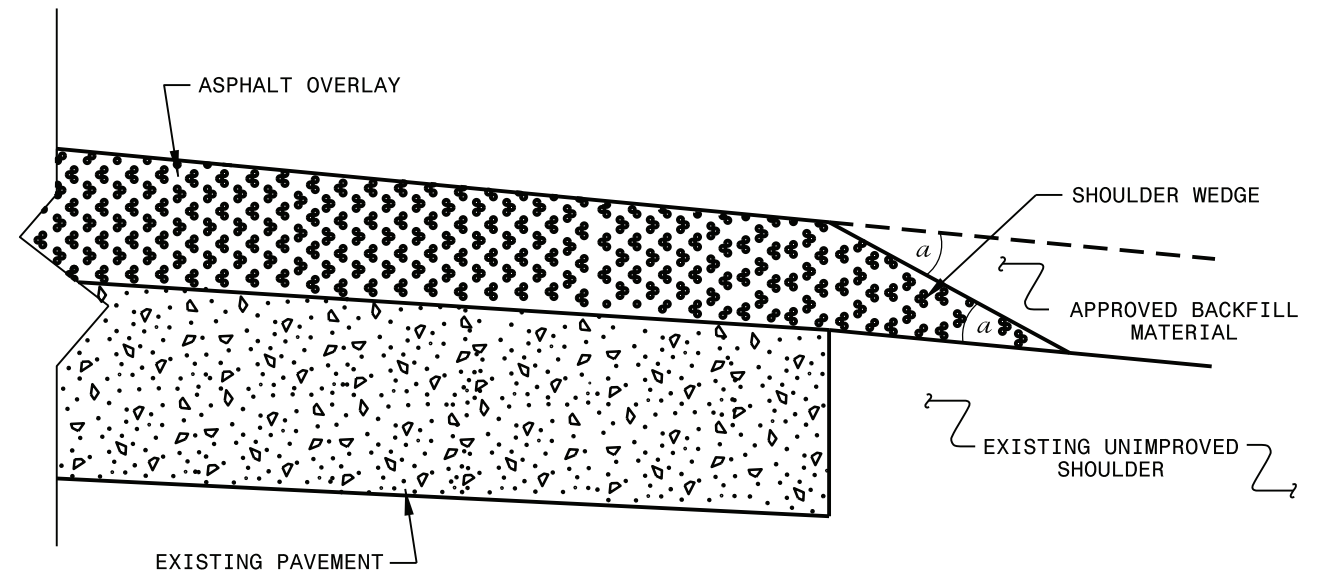
SR-1351



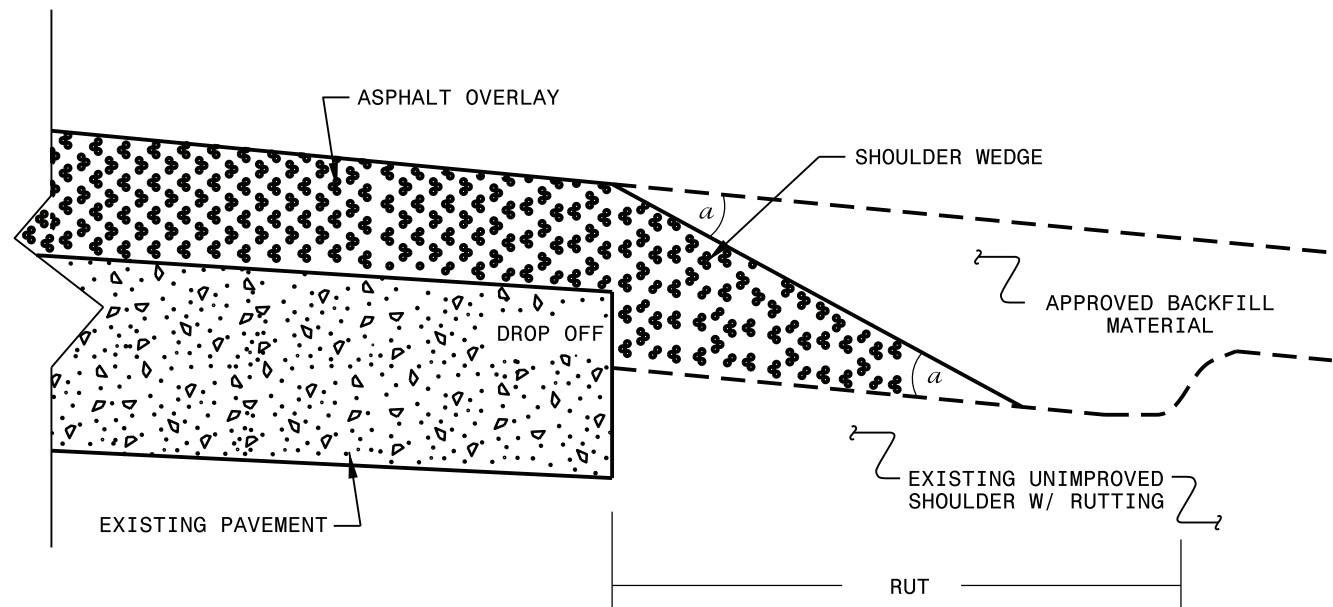
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ Widening or  
 with Existing Paved Shoulder having no dropoffs)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ NO Widening)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

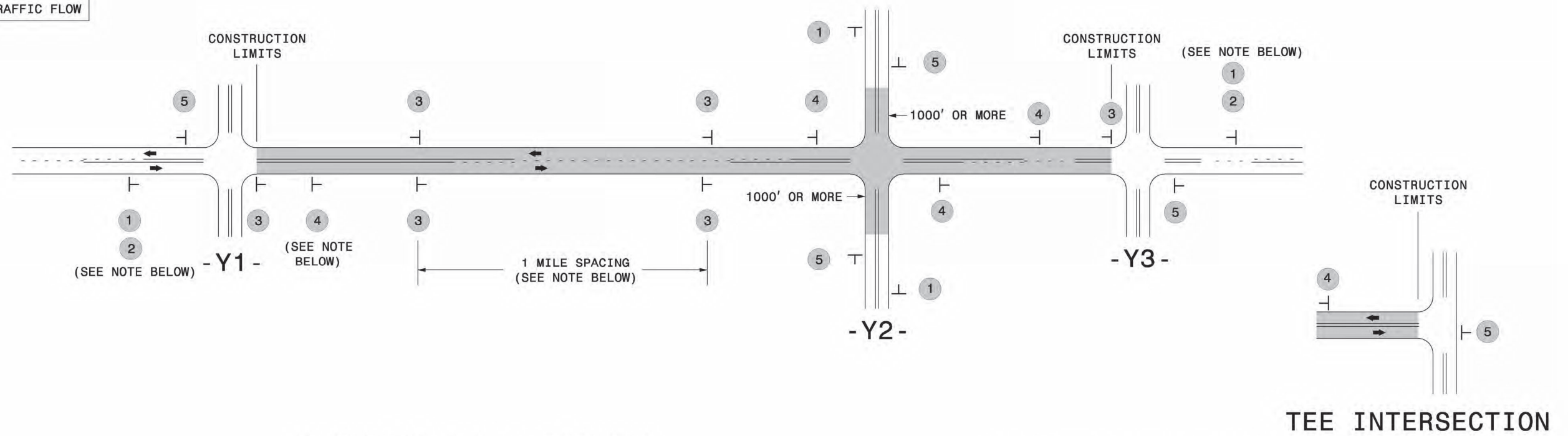
- SHOULDER WEDGE ANGLE = 30°

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>			
Office 919-707-6950		FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 10/16/12		
CHECKED BY:	DATE:		
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEMS DESIGN  
 USER NAME

# SIGNING FOR RESURFACING PROJECTS

**LEGEND**  
 ┆ STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

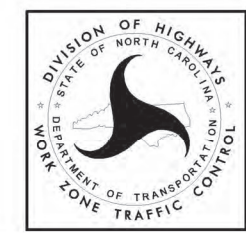
## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>SUBDIVISION ROADS</li> <li>DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">             W20-1 48" X 48"            PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">             W20-7 A 48" X 48"            PLACED 250' IN ADVANCE OF FLAGGER.         </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3		- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4		- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

**MAPS LESS THAN 2 MILES**

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.

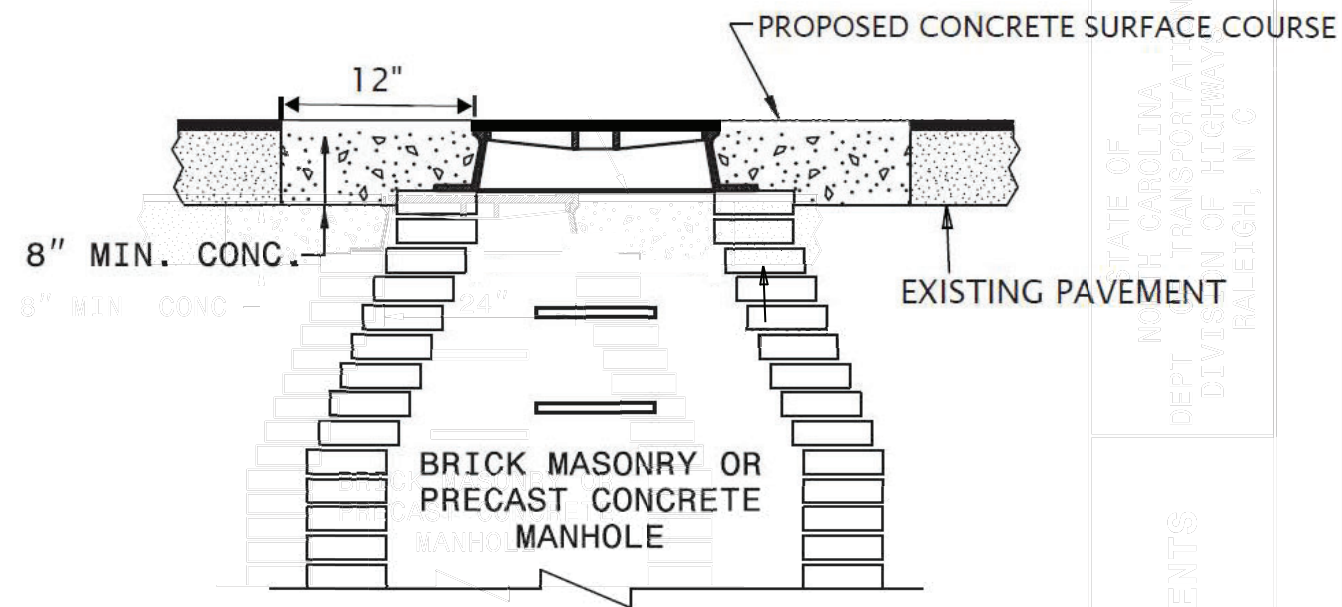


**ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING**

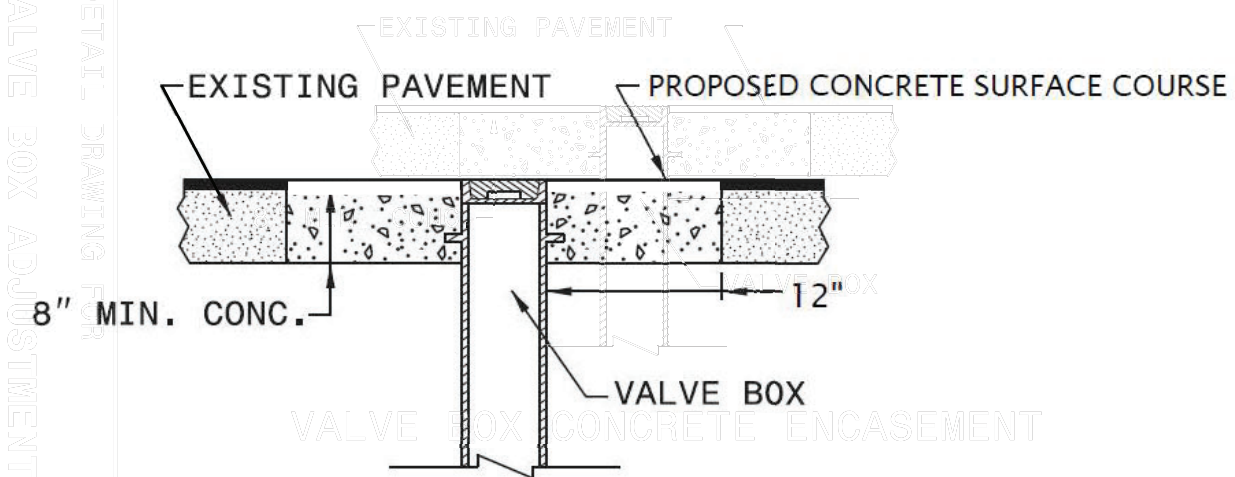
5/15/2017 5:11:00 PM WZTCVResurfacing\2L2W & AST Resurfacing Details\Resurfacing\_AdvWarn\_2Ln.dgn User:keads

**GENERAL NOTES:**

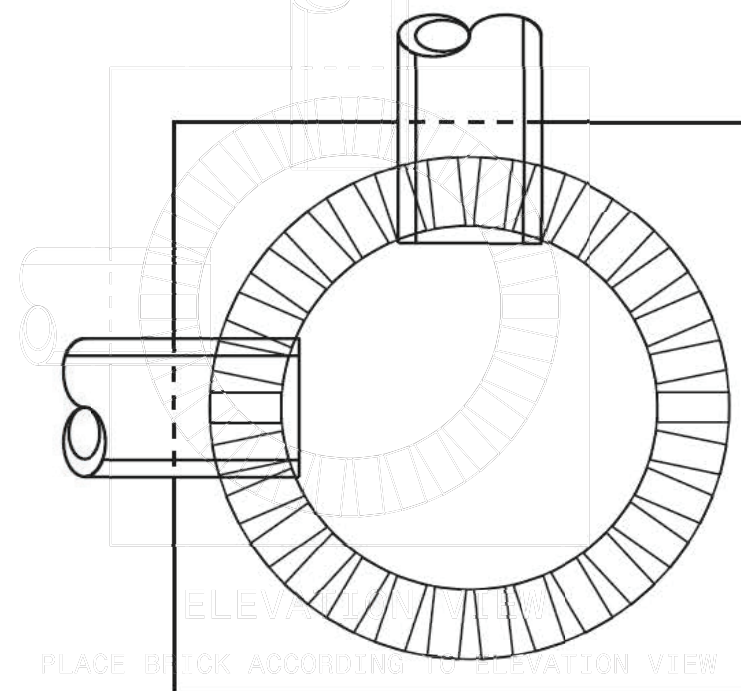
1. USE RAPID SET DYED CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT RECTANGULAR EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES. NO OVERSAW CUTS ALLOWED IN CORNERS.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS 1/2" +/- 1/8"



**MANHOLE CONCRETE ENCASEMENT**



**VALVE BOX CONCRETE ENCASEMENT**



**ELEVATION VIEW**

PLACE BRICK ACCORDING TO ELEVATION VIEW

SHEET 1 OF 1  
840D55

SHEET 1 OF 1  
840D55

REVISIONS

8/17/99

24-JAN-2016 13:31  
C:\Users\yokjmmel\Desktop\DETAIL\_PSHS\Microstation Files\MH\_Valve\_Adjust\_2015.dgn  
\$\$\$\$\$SRNAME\$\$\$\$\$

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

ENGLISH DETAIL DRAWING FOR  
 MANHOLE AND VALVE BOX ADJUSTMENTS

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

ENGLISH DETAIL DRAWING FOR  
 MANHOLE AND VALVE BOX ADJUSTMENTS