

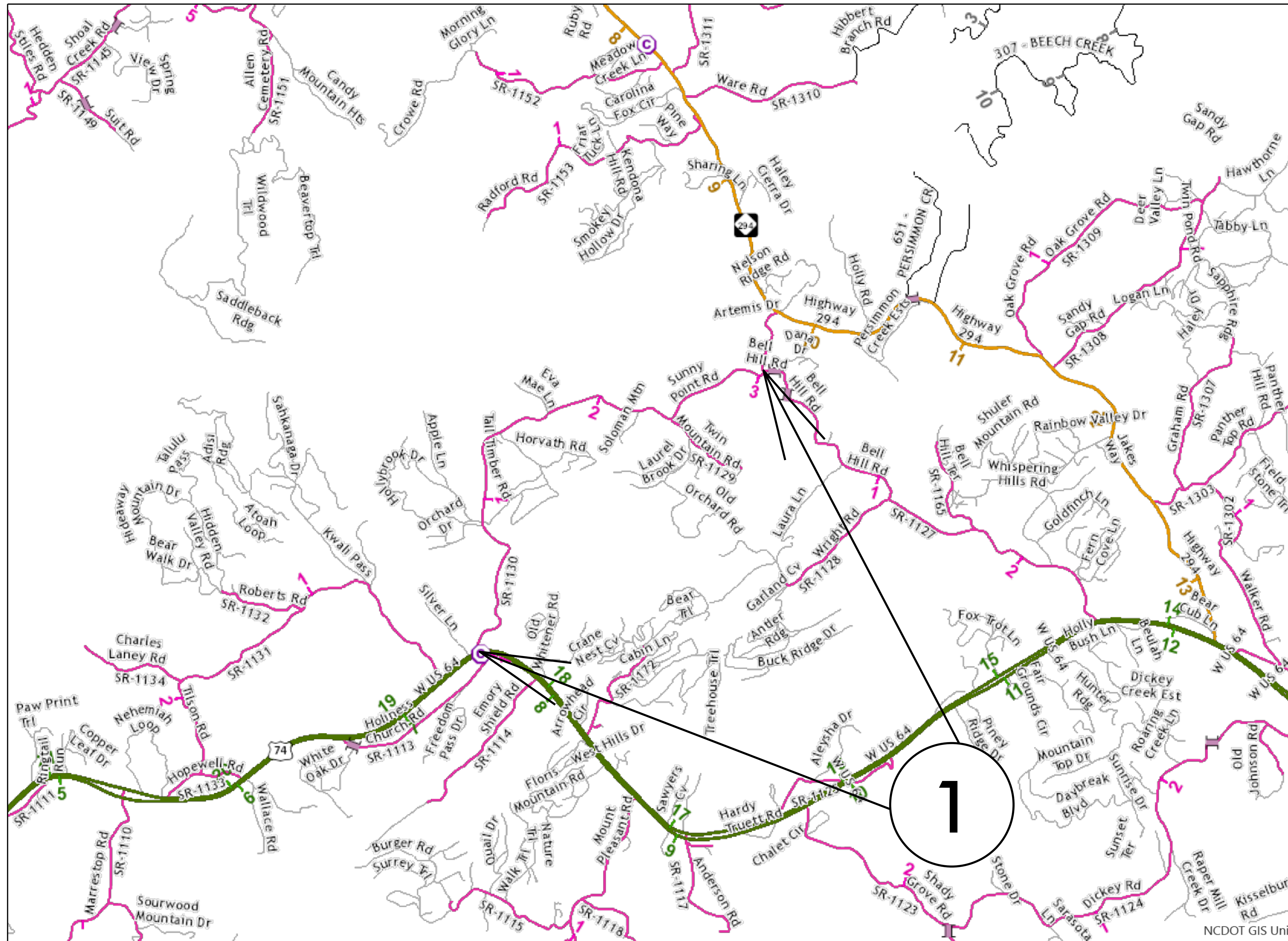
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CHEROKEE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20201	1	13
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 1



BEG

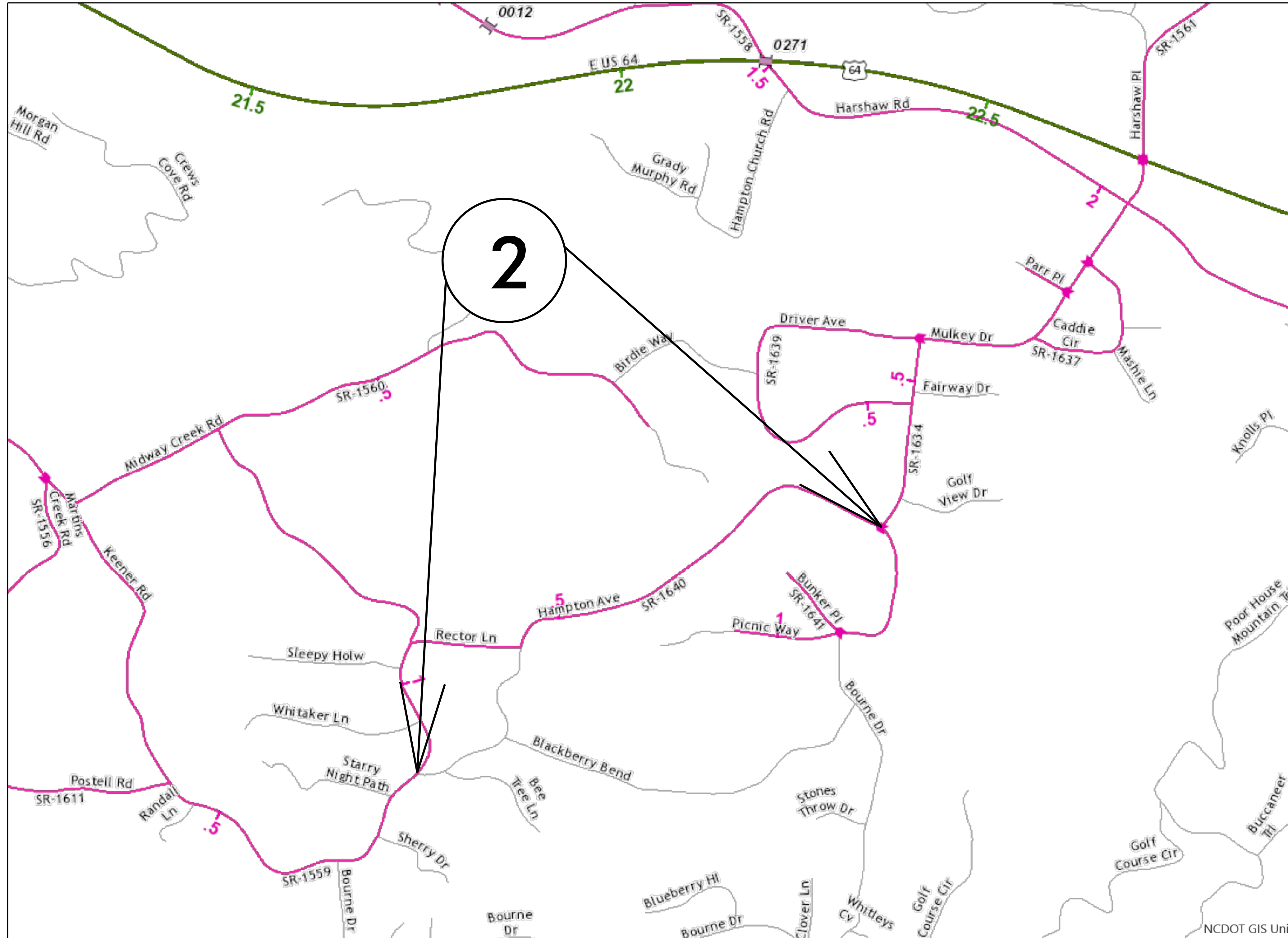


END

CONTRACT: DN01030

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20201	2	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

CHEROKEE COUNTY



MAP 2



BEG

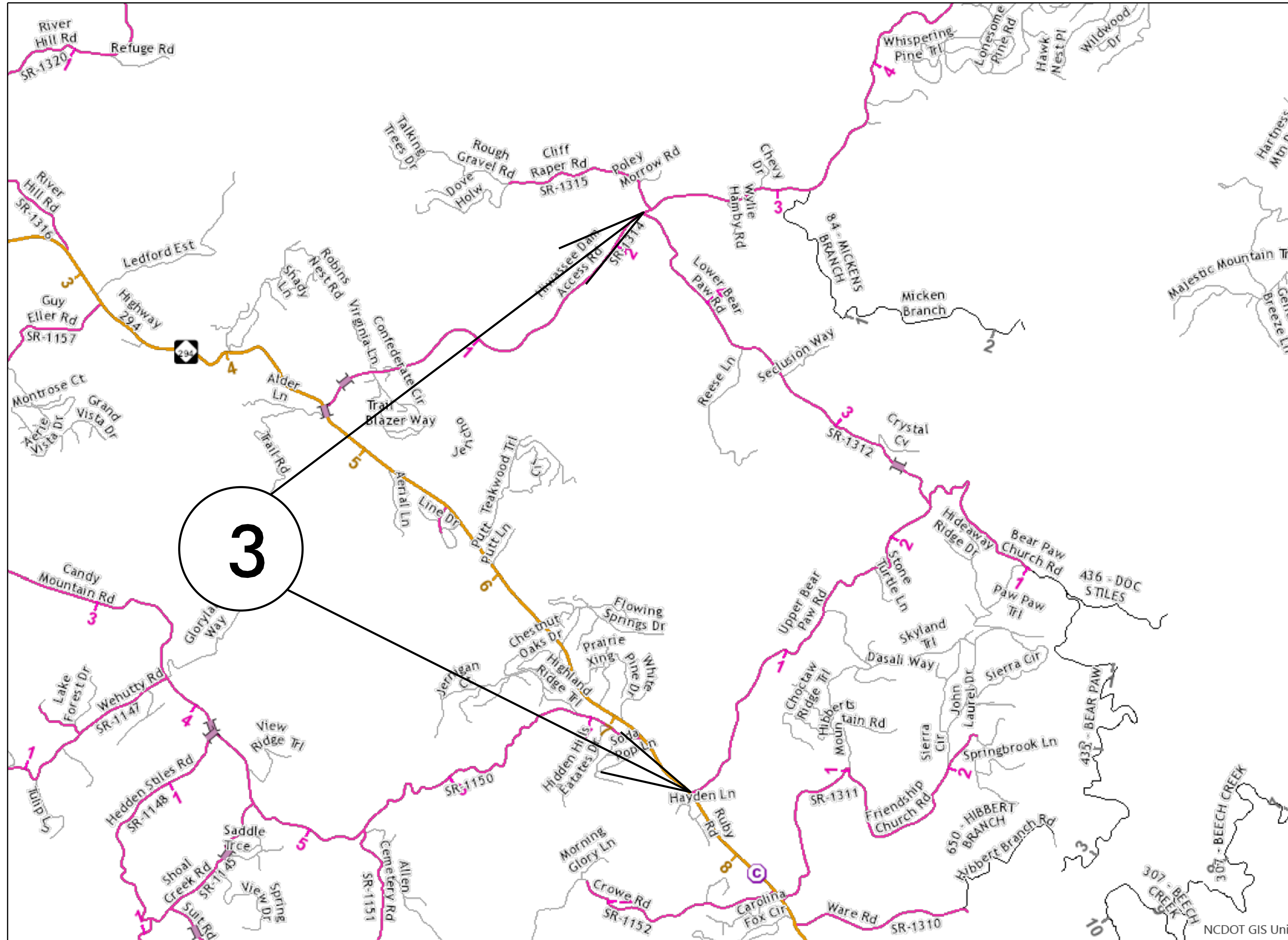


END

CONTRACT: DN01030

CHEROKEE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20201	3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 3



BEG

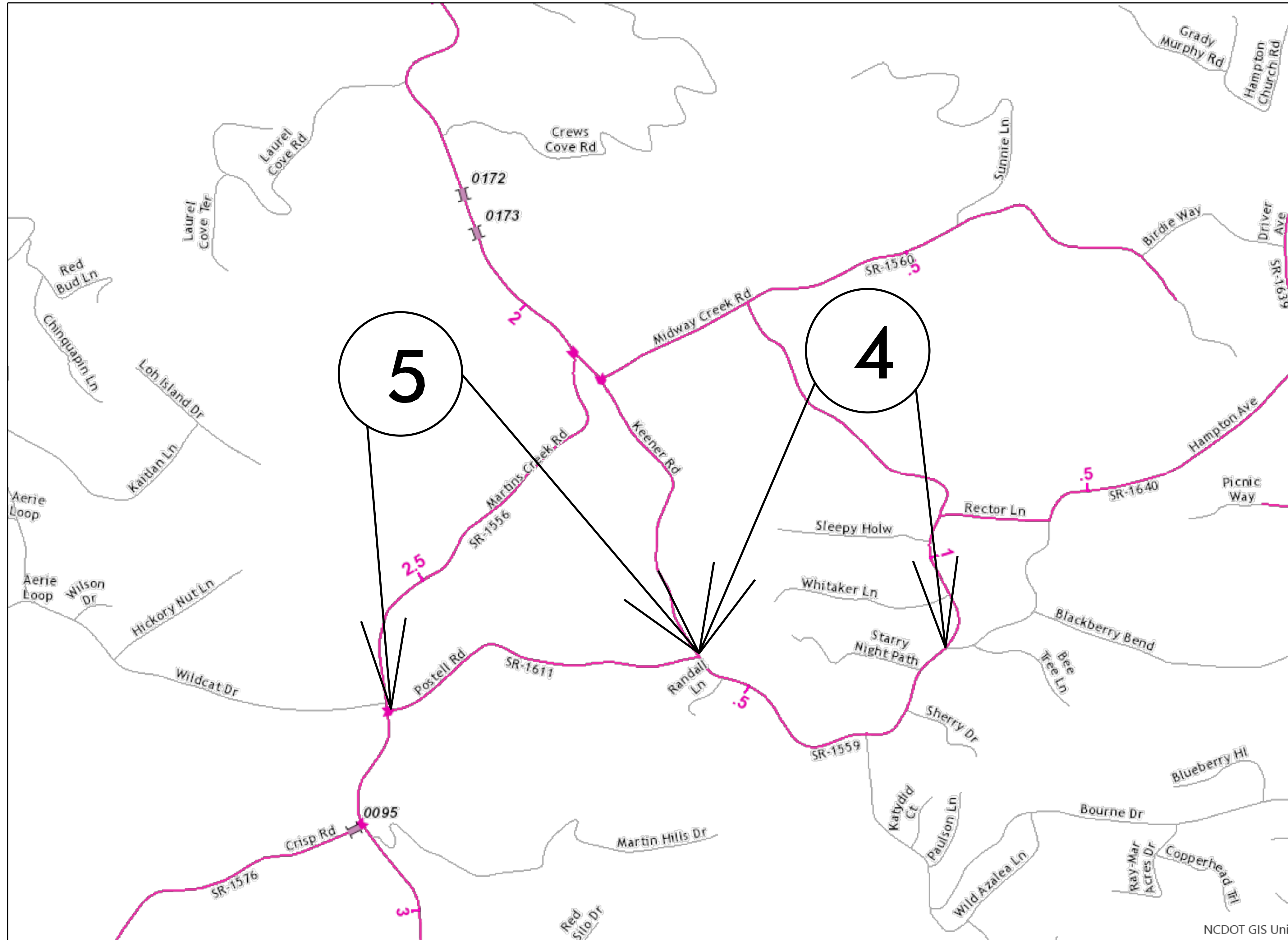


END

CONTRACT: DN01030

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20201	4	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

CHEROKEE COUNTY



MAP 4



BEG



END

MAP 5



BEG

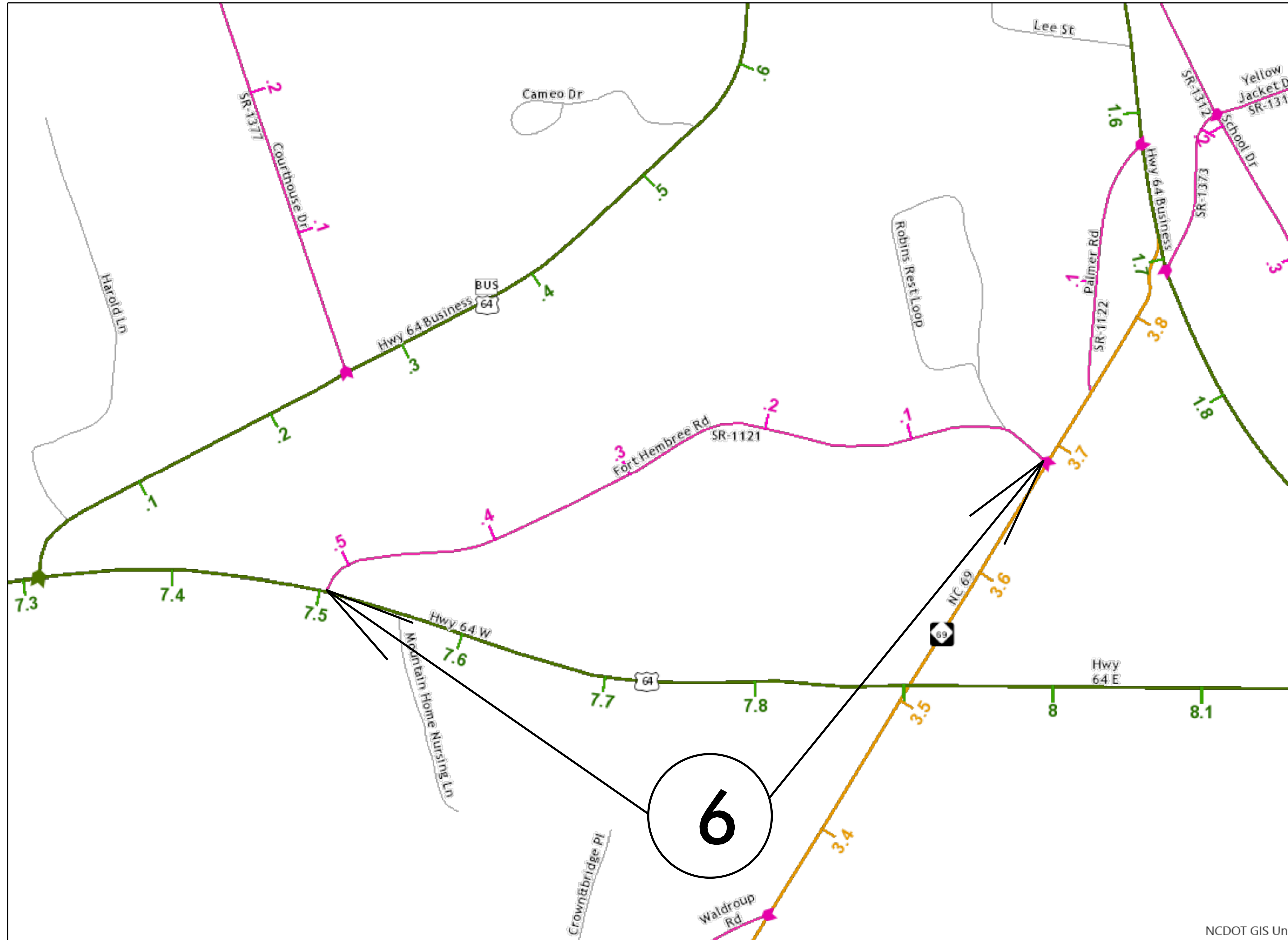


END

CONTRACT: DN01030

CLAY COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20221	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 6



BEG



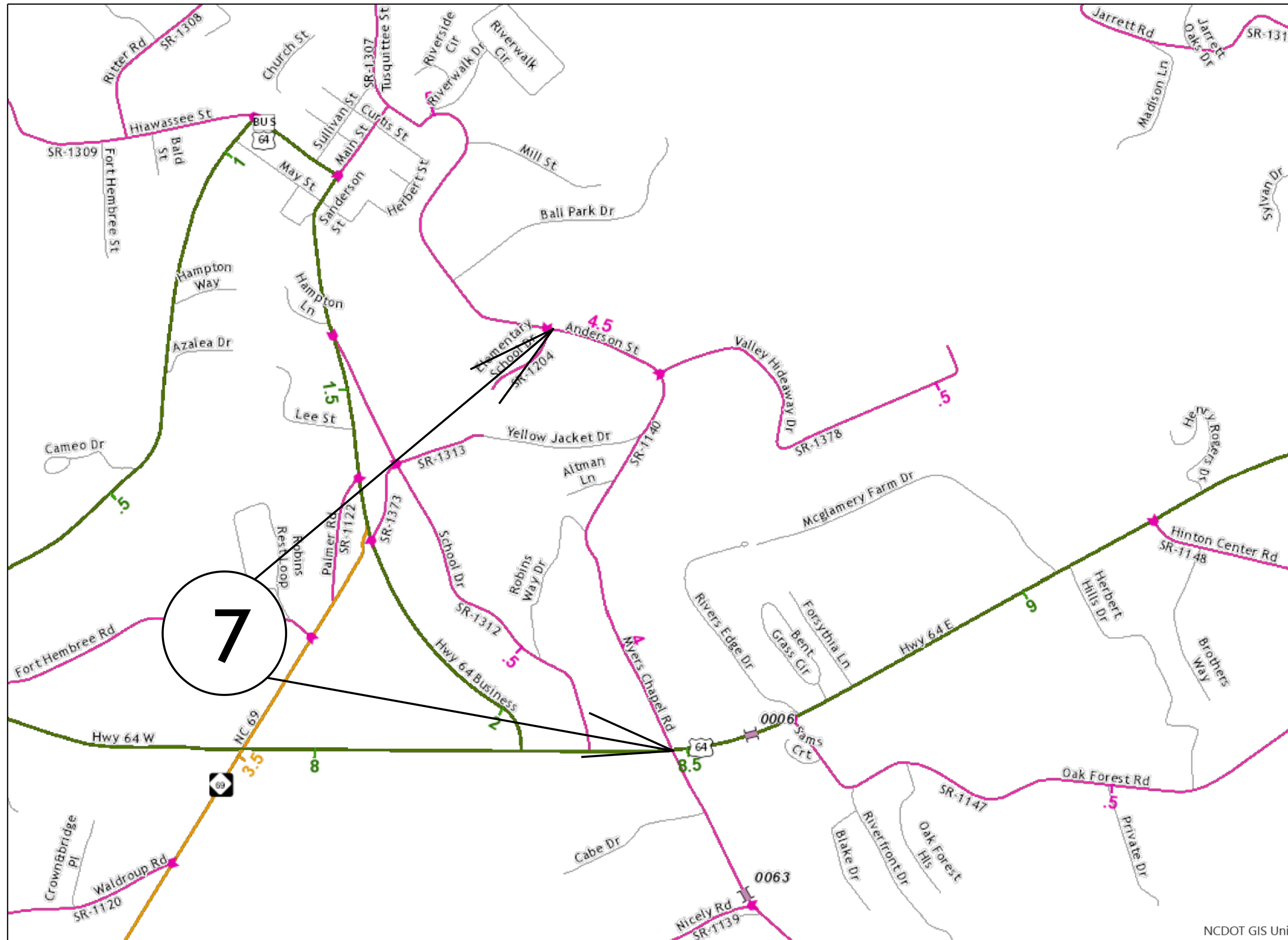
END

CONTRACT: DN01030

NCDOT GIS Unit

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20221	6	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

CLAY COUNTY



MAP 7



BEG



END

CONTRACT: DN01030

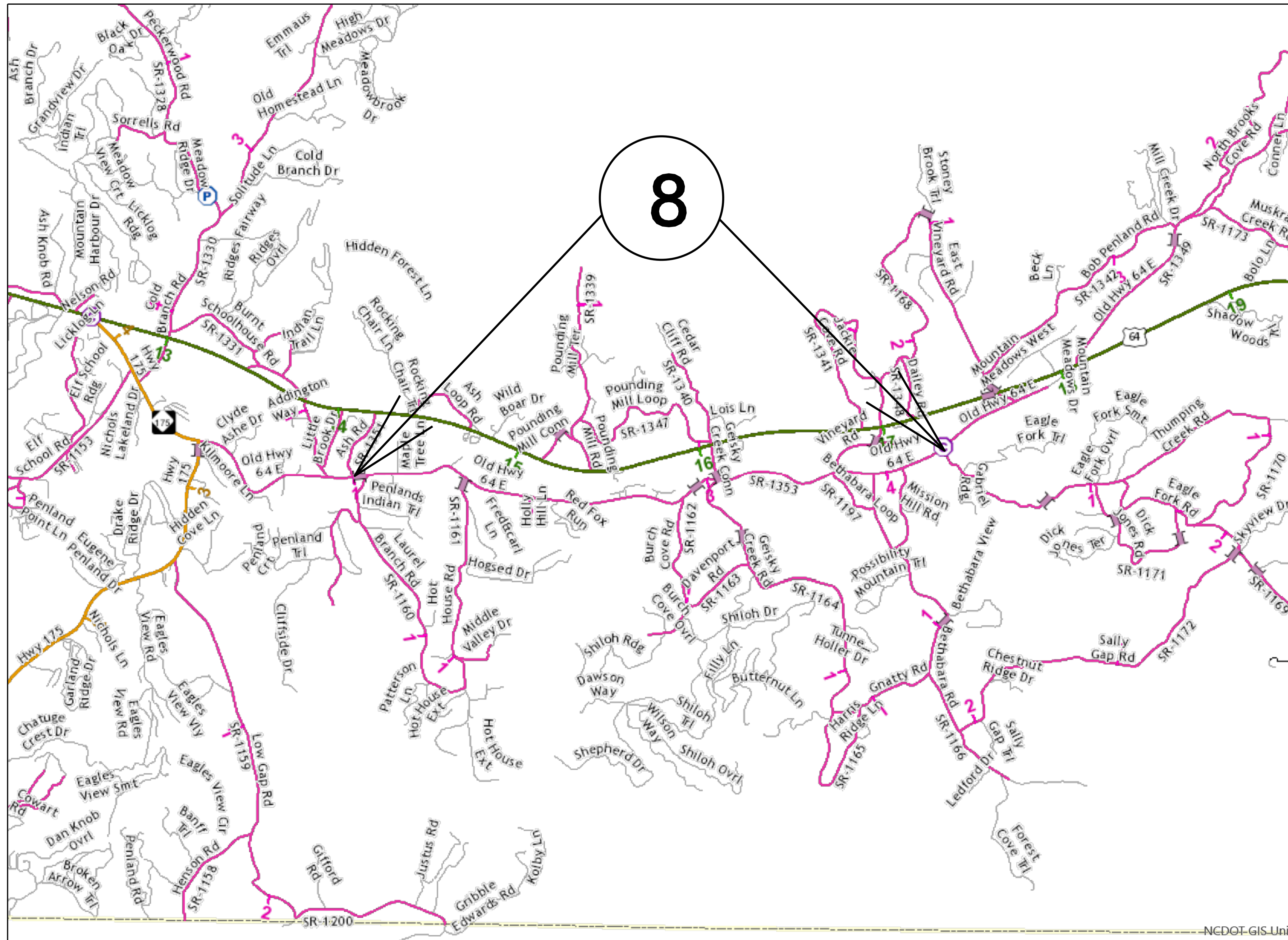
7

NCDOT GIS Unit

09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20221	7	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

CLAY COUNTY



MAP 8



BEG

END

CONTRACT: DN01030

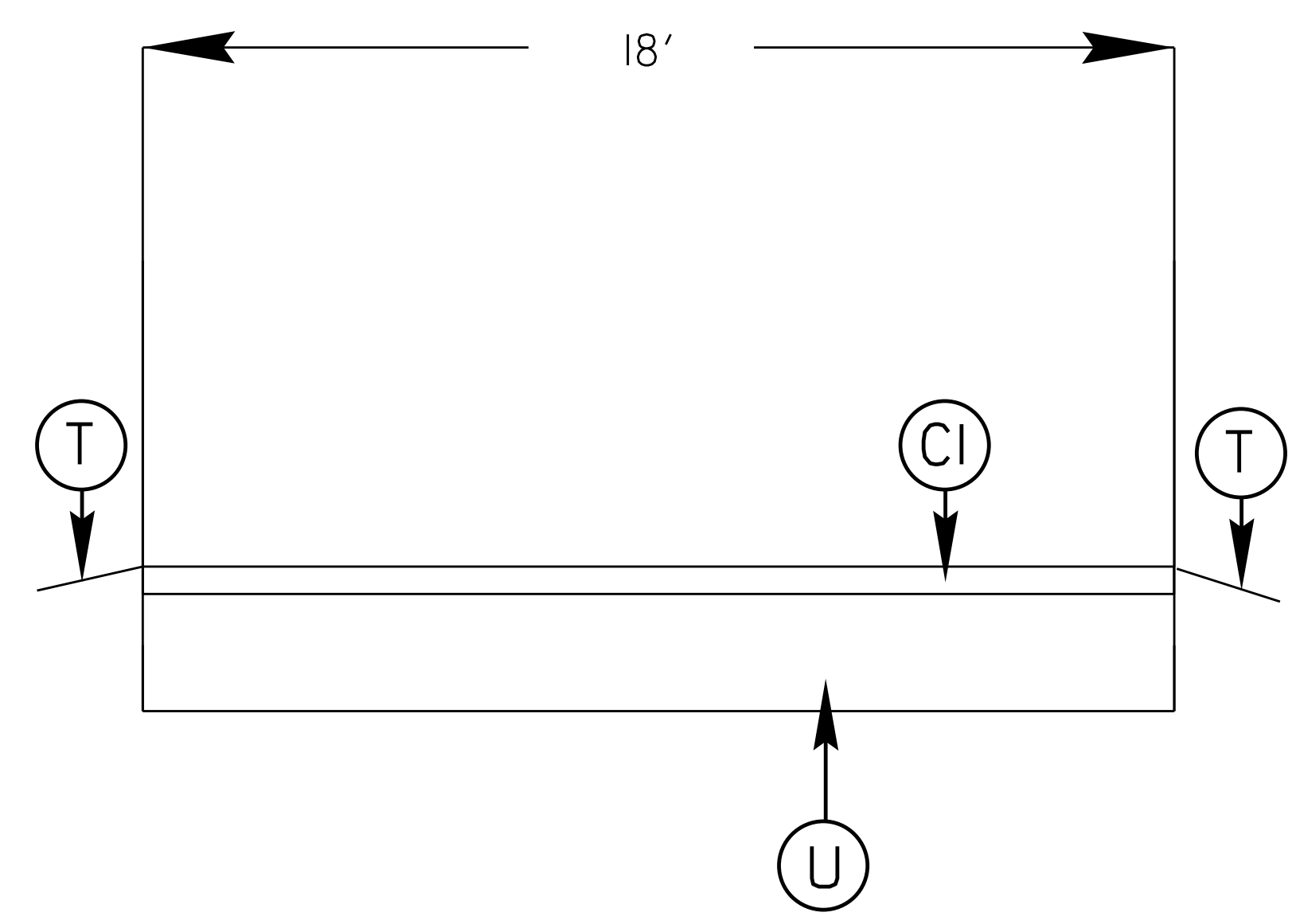
NCDOT GIS Unit

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20201	8	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2023CPT.14.07.20221			

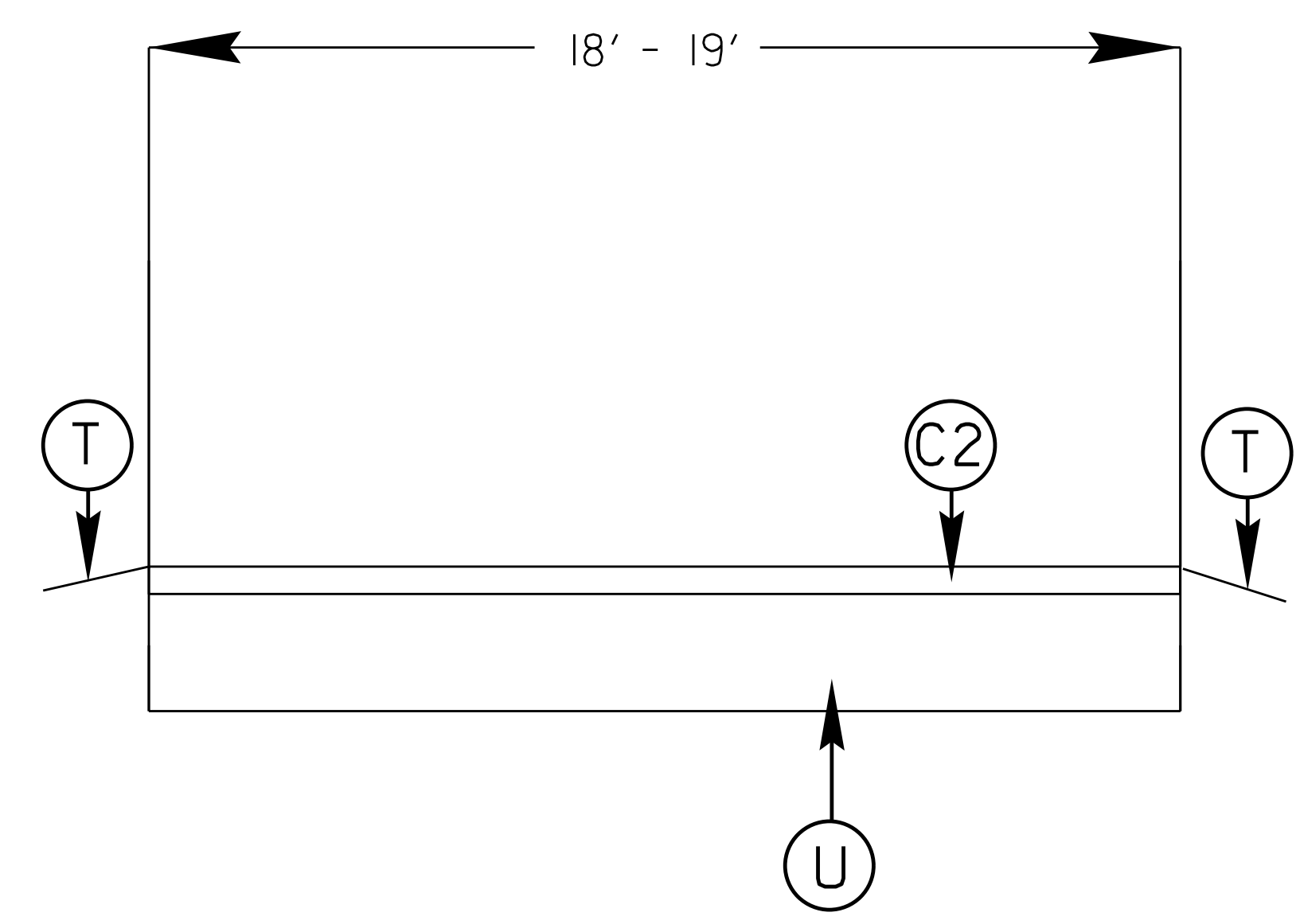
SURFACING SCHEDULE

C1	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, (LEVELING) TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. IN EACH OF TWO
C2	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, (LEVELING) TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION WITH ABCM. -SEE PROJECT SPECIAL PROVISIONS-
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING

TYPICAL 1



TYPICAL 2



CONTRACT: DN01030

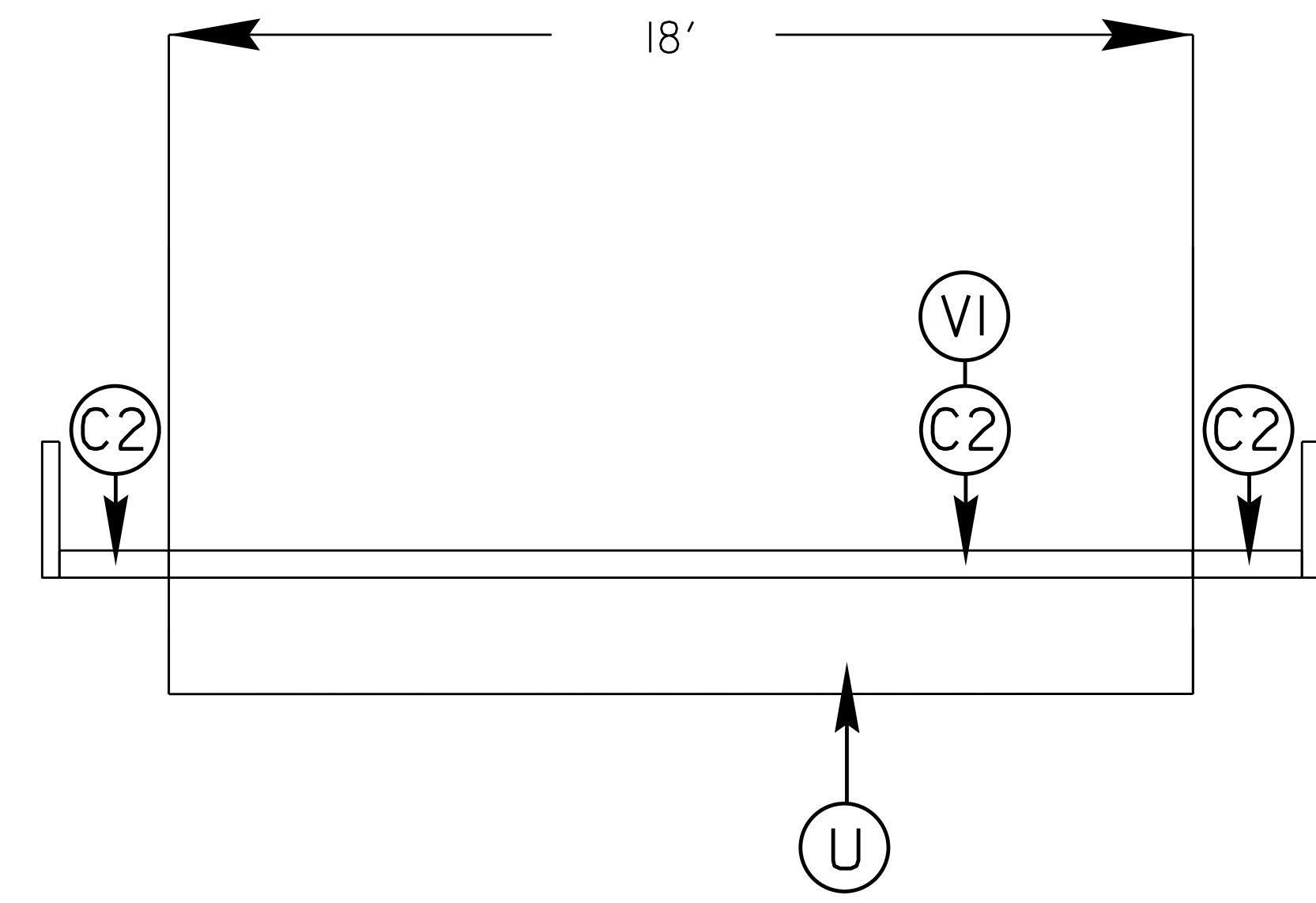
09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.14.07.20201	9	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2023CPT.14.07.20221			

SURFACING SCHEDULE

C1	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, (LEVELING) TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. IN EACH OF TWO
C2	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, (LEVELING) TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION WITH ABCM. -SEE PROJECT SPECIAL PROVISIONS-
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING

BRIDGE DETAIL



Bridge Milling Table

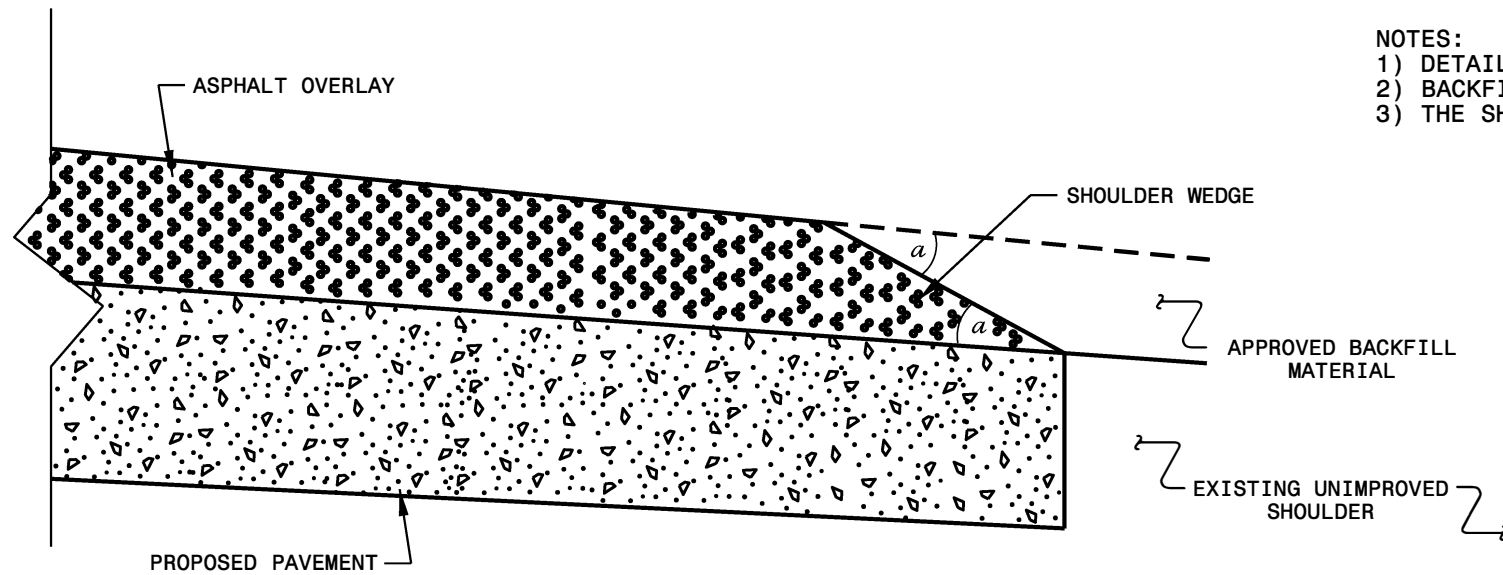
Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Incidental Bridge Milling (SY)	Pave Across Bridge
3	SR 1312	Lower Bear Paw Rd	Cherokee	190056	N	N	No	No
8	SR 1353	Old US 64 E	Clay	210102	21	28	75	*Yes

* SHORING WILL BE COMPLETED BY NCDOT
FULL WIDTH PAVING AND INCIDENTAL MILLING ON STRUCTURE 210102 (SEE BRIDGE DETAIL)

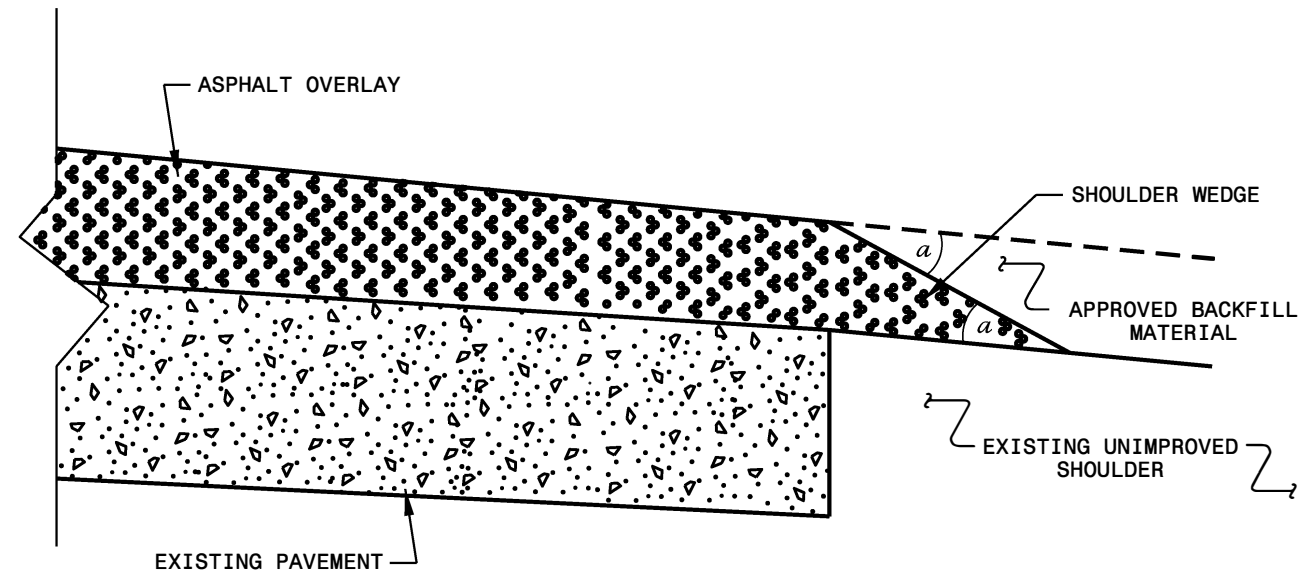
CONTRACT: DN01030

09/08/09

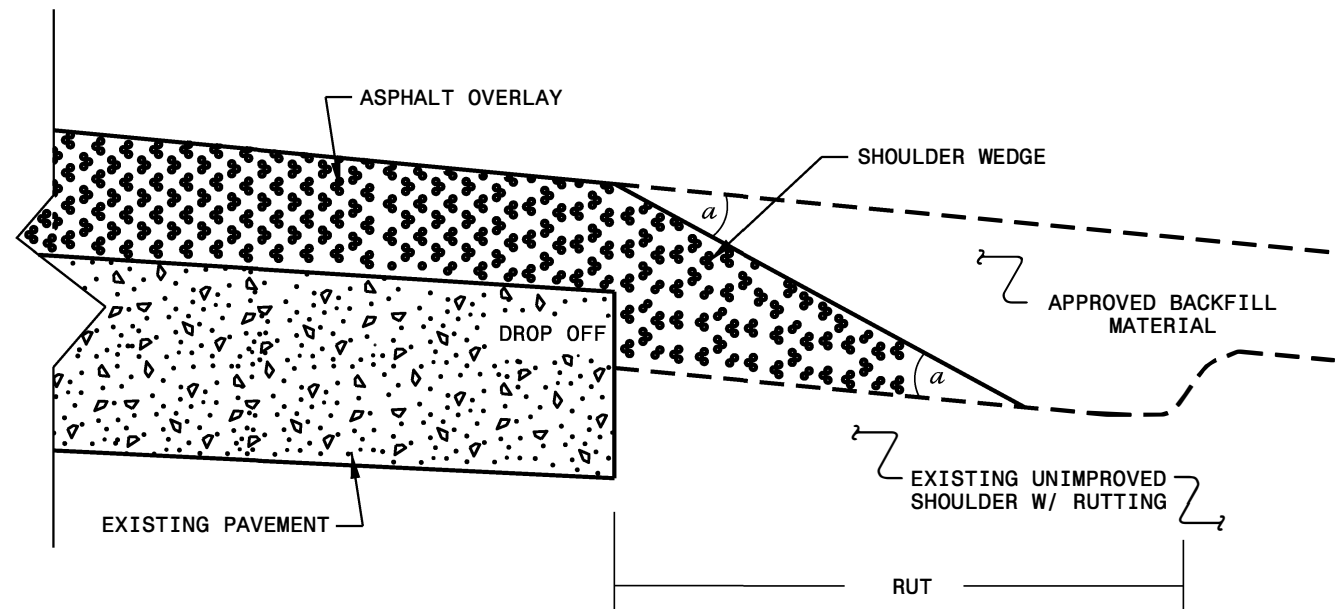
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFD AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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°

CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 10/16/12		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\dot_all\stand\shoulderwed_detail.dwg			

SYTIME: 00:00:00
 CON: 00:00:00
 USER: T.SPELL

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.14.07.20201, 2023CPT.14.07.20221	11	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1245000000-E	1330000000-E	1520000000-E	1575000000-E	1704000000-E		
												SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	LEVELING COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT		
												MI	FT	SMI	SY	TONS	TONS	TONS
2023CPT.14.07.20201	Cherokee	1	SR 1130 SUNNY POINT RD	US 64 TO NC294	2	2	2WU	NO	NO	3.41	20	6.82		3,101	240	675		
TOTAL FOR MAP NO. 1										3.41		6.82		3,101	240	675		
2023CPT.14.07.20201	Cherokee	2	SR 1640 HAMPTON AVE	FROM SR 1634 TO SR 1559	1	2	2WU	NO	NO	0.845	18	1.69		599	62	448		
TOTAL FOR MAP NO. 2										0.845		1.69		599	62	448		
2023CPT.14.07.20201	Cherokee	3	SR 1312 BEAR PAW RD	FROM SR 1314 TO NC 294	1	2	2WU	NO	NO	4.66	18	9.32		2,950	256	1,212		
TOTAL FOR MAP NO. 3										4.66		9.32		2,950	256	1,212		
2023CPT.14.07.20201	Cherokee	4	SR 1611 POSTELL RD	FROM SR 1556 TO SR 1559	2	2	2WU	NO	NO	0.45	18	0.90		401	34	154		
TOTAL FOR MAP NO. 4										0.45		0.90		401	34	154		
2023CPT.14.07.20201	Cherokee	5	SR 1559 KEENER RD	FROM SR 1611 TO SR 1640	1	2	2WU	NO	NO	0.45	18	0.90		377	25			
TOTAL FOR MAP NO. 5										0.45		0.90		377	25			
TOTAL FOR PROJ NO. 2023CPT.14.07.20201										9.815		19.63		7,428	617	2,489		
2023CPT.14.07.20221	Clay	6	SR 1121 FORT HEMBREE RD	FROM NC 69 TO US 64	2	2	2WU	NO	NO	0.49	19	0.98		861	64	137		
TOTAL FOR MAP NO. 6										0.49		0.98		861	64	137		
2023CPT.14.07.20221	Clay	7	SR 1140 MYERS CHAPEL/ANDERSON ST	FROM US 64 TO PVMT CHNGE AT SR 1204	2	2	2WU	NO	NO	0.69	18	1.40		587	49	209		
TOTAL FOR MAP NO. 7										0.69		1.40		587	49	209		
2023CPT.14.07.20221	Clay	8	SR 1353 OLD US 64 E.	FROM SR 1160 TO SR 1169	2	2	2WU	NO	NO	3.22	18	6.60	75	2,823	202	269		
TOTAL FOR MAP NO. 8										3.22		6.60	75	2,823	202	269		
TOTAL FOR PROJ NO. 2023CPT.14.07.20221										4.4		8.98	75	4,271	315	615		
GRAND TOTAL										14.215		28.61	75	11,699	932	3,104		

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.14.07.20201	12	
2023CPT.14.07.20221		

THERMOPLASTIC AND PAINT QUANTITIES

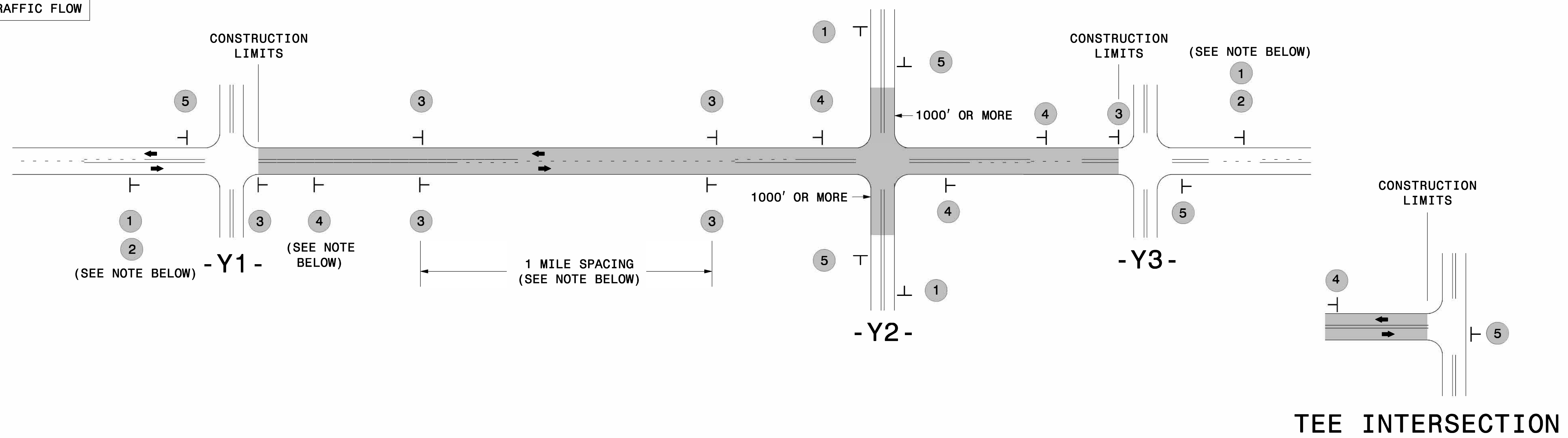
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4810000000-E		4835000000-E
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" WHITE PAINT	4" YELLOW PAINT	24" WHITE PAINT
										SF	LS	LF	LF	LF
2023CPT.14.07.20201	Cherokee	1	SR 1130 SUNNY POINT RD	US 64 TO NC294	2	2	2WU	3.41	20	382	0.56	72,616	72,616	
TOTAL FOR MAP NO. 1								3.41		382	0.56	72,616	72,616	
2023CPT.14.07.20201	Cherokee	2	SR 1640 HAMPTON AVE	FROM SR 1634 TO SR 1559	1	2	2WU	0.845	18			18,204	18,204	
TOTAL FOR MAP NO. 2								0.845				18,204	18,204	
2023CPT.14.07.20201	Cherokee	3	SR 1312 BEAR PAW RD	FROM SR 1314 TO NC 294	1	2	2WU	4.66	18	522		103,326	103,326	
TOTAL FOR MAP NO. 3								4.66		522		103,326	103,326	
2023CPT.14.07.20201	Cherokee	4	SR 1611 POSTELL RD	FROM SR 1556 TO SR 1559	2	2	2WU	0.45	18	51		9,600	9,600	8
TOTAL FOR MAP NO. 4								0.45		51		9,600	9,600	8
2023CPT.14.07.20201	Cherokee	5	SR 1559 KEENER RD	FROM SR 1611 TO SR 1640	1	2	2WU	0.45	18	51		9,800	9,800	
TOTAL FOR MAP NO. 5								0.45		51		9,800	9,800	
TOTAL FOR PROJ NO. 2023CPT.14.07.20201								9.815		1,006	0.56	213,546	213,546	8
											427,092			
2023CPT.14.07.20221	Clay	6	SR 1121 FORT HEMBREE RD	FROM NC 69 TO US 64	2	2	2WU	0.49	19	58	0.44	10,984	10,984	
TOTAL FOR MAP NO. 6								0.49		58	0	10,984	10,984	
2023CPT.14.07.20221	Clay	7	SR 1140 MYERS CHAPEL/ANDERSON ST	FROM US 64 TO PVMT CHNGE AT SR 1204	2	2	2WU	0.69	18	78		14,849	14,092	
TOTAL FOR MAP NO. 7								0.69		78		14,849	14,092	
2023CPT.14.07.20221	Clay	8	SR 1353 OLD US 64 E.	FROM SR 1160 TO SR 1169	2	2	2WU	3.22	18	370		67,924	67,924	
TOTAL FOR MAP NO. 8								3.22		370		67,924	67,924	
TOTAL FOR PROJ NO. 2023CPT.14.07.20221								4.4		506	0.44	93,757	93,000	
											186,757			
GRAND TOTAL								14.215		1,512	1.00	307,303	306,546	8
											613,849			

SIGNING FOR RESURFACING PROJECTS

LEGEND

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

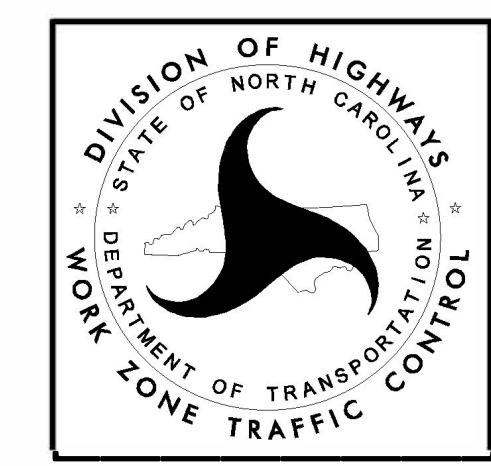
-Y- LINE SIGNING

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>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <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 S:\TMD\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2L.nxdgm User:kddis