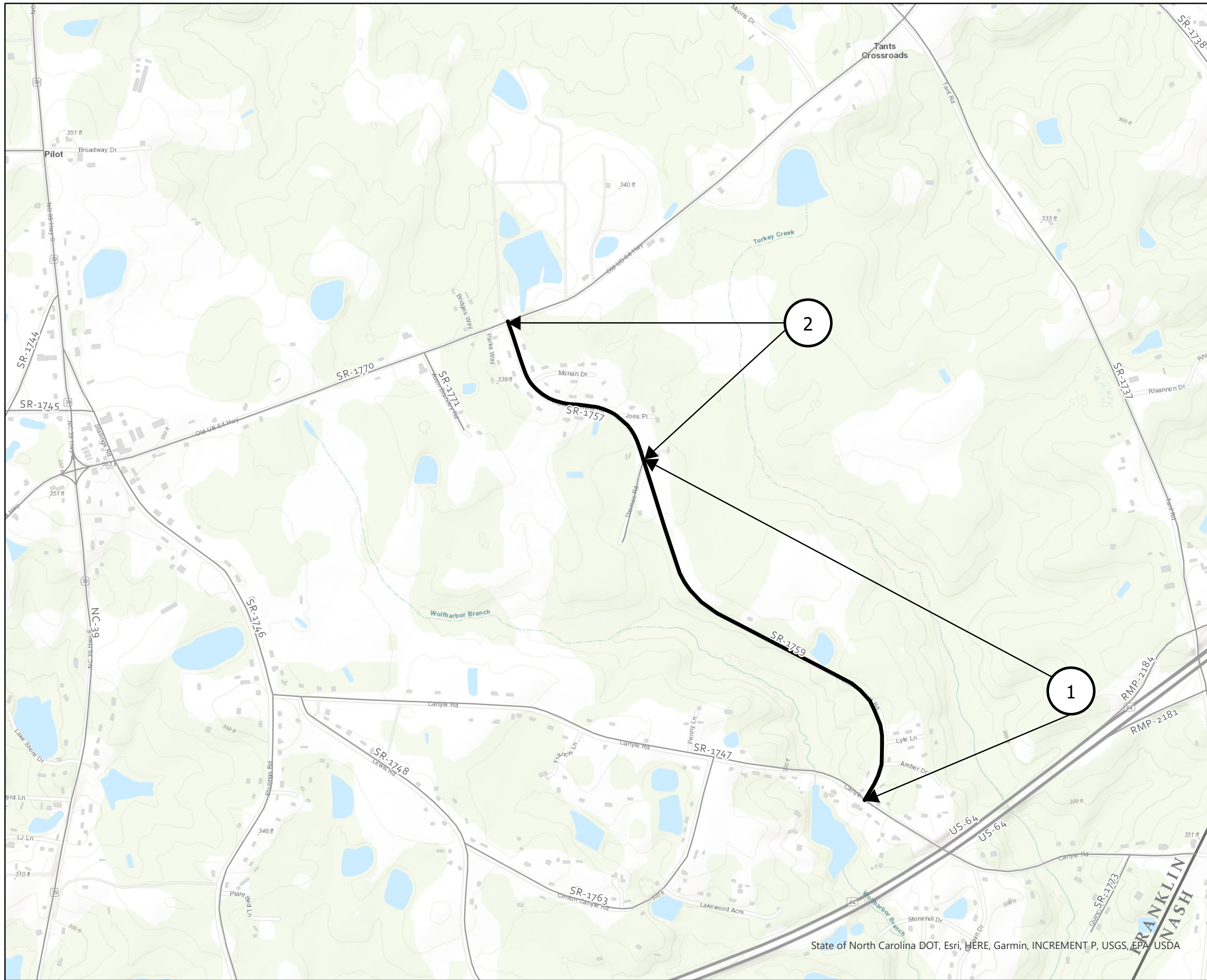


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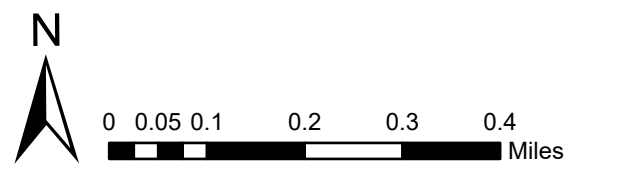


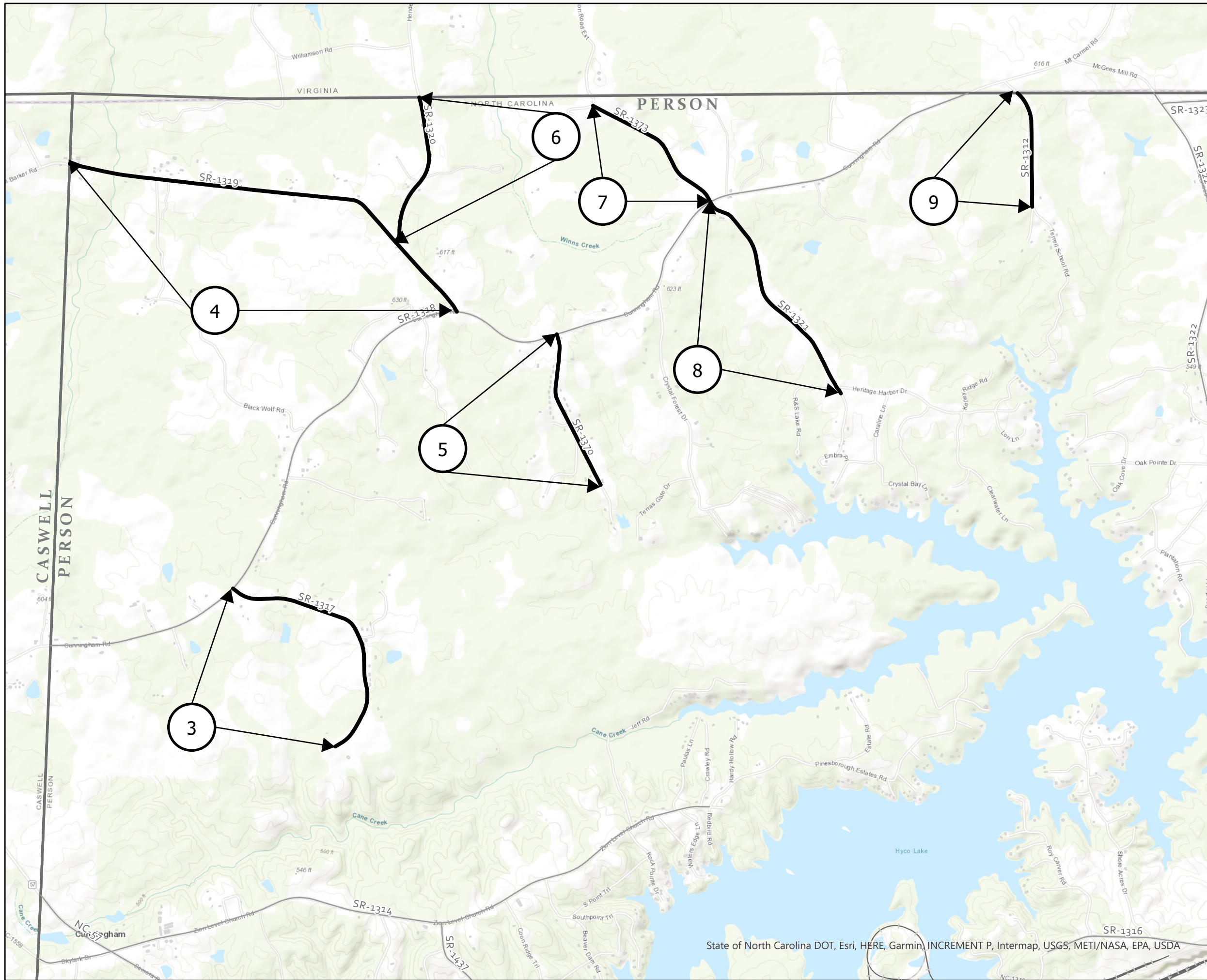
2027 Div. Chip - Franklin County

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.05.01.20352.1	1

Map 1: SR-1759 (Thomas Arnold Rd)
From SR-1757 (Thomas Rd) to SR-1747 (Carlyle Rd)

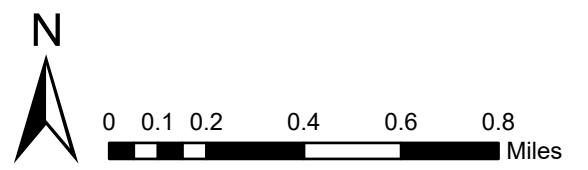
Map 2: SR-1757 (Thomas Rd)
From SR-1770 (Old US 64) to SR-1759

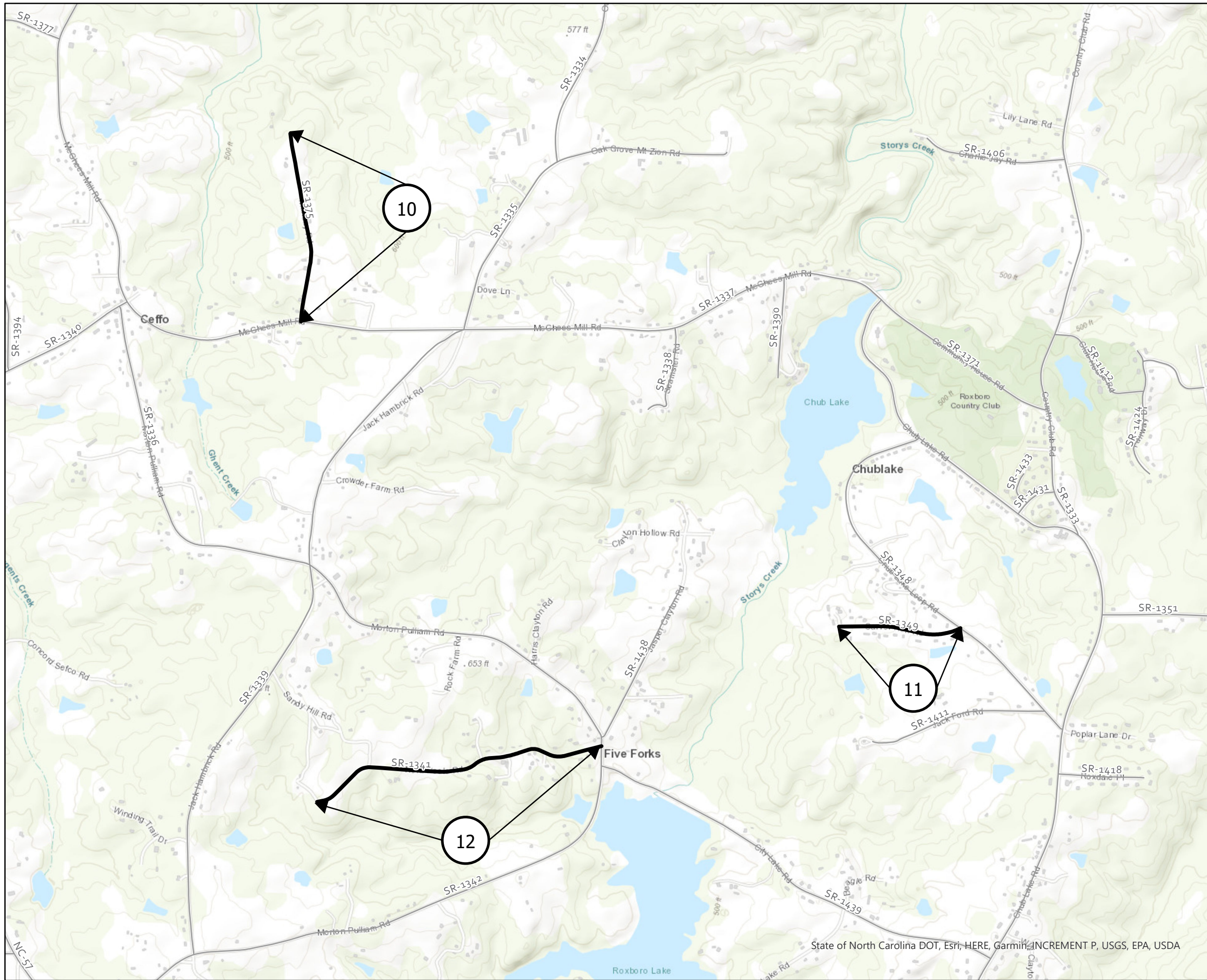




2027 Div. Chip - Person County	
PROJECT REFERENCE NO.	SHEET NO.
2026CPT.05.01.20732.1	2

- Map 3: SR-1317 (Scott Rd)
From SR-1318 (Cunningham Rd) to Cul-de-Sac
- Map 4: SR-1319 (Barker Rd)
From SR-1318 (Cunningham Rd) to Caswell Co.
- Map 5: SR-1370 (Glennie Irvin Rd)
From SR-1318 (Cunningham Rd) to End Maintenance
- Map 6: SR-1320 (Virginia Line Rd)
From SR-1319 (Barker Rd) to Virginia State Line
- Map 7: SR-1373 (Henry Brandon Rd)
From SR-1318 (Cunningham Rd) to End Pavement
- Map 8: SR-1321 (Franklin Rd)
From SR-1318 (Cunningham Rd) to End Maintenance
- Map 9: SR-1312 (Terrell School Rd)
From Virginia State Line to End Maintenance





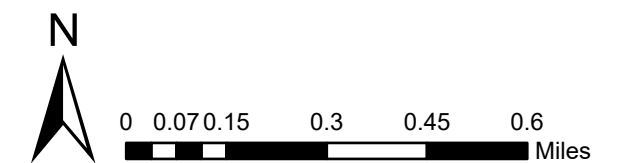
2027 Div. Chip - Person County

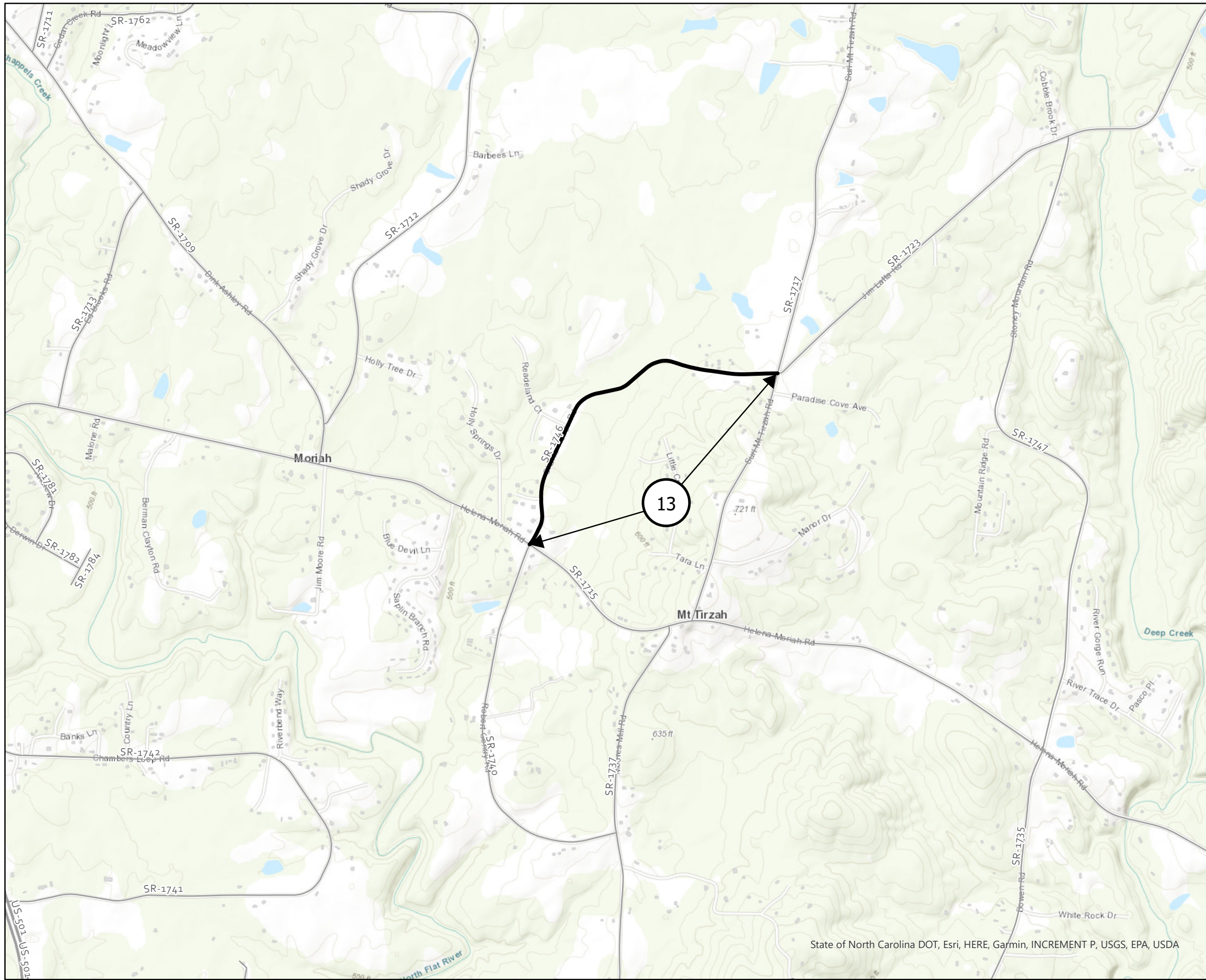
PROJECT REFERENCE NO.	SHEET NO.
2026CPT.05.01.20732.1	3

Map 10: SR-1375 (Munday Rd)
From SR-1337 (McGhees Mill Rd) to Cul-de-Sac

Map 11: SR-1349 (Carver-Holt Rd)
From SR-1348 (Chub Lake Loop Rd) to Dead End

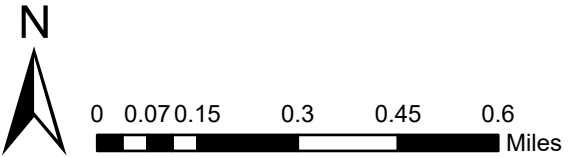
Map 12: SR-1341 (Nora Poole Rd)
From SR-1342 (Morton Pulliam Rd) to Dead End

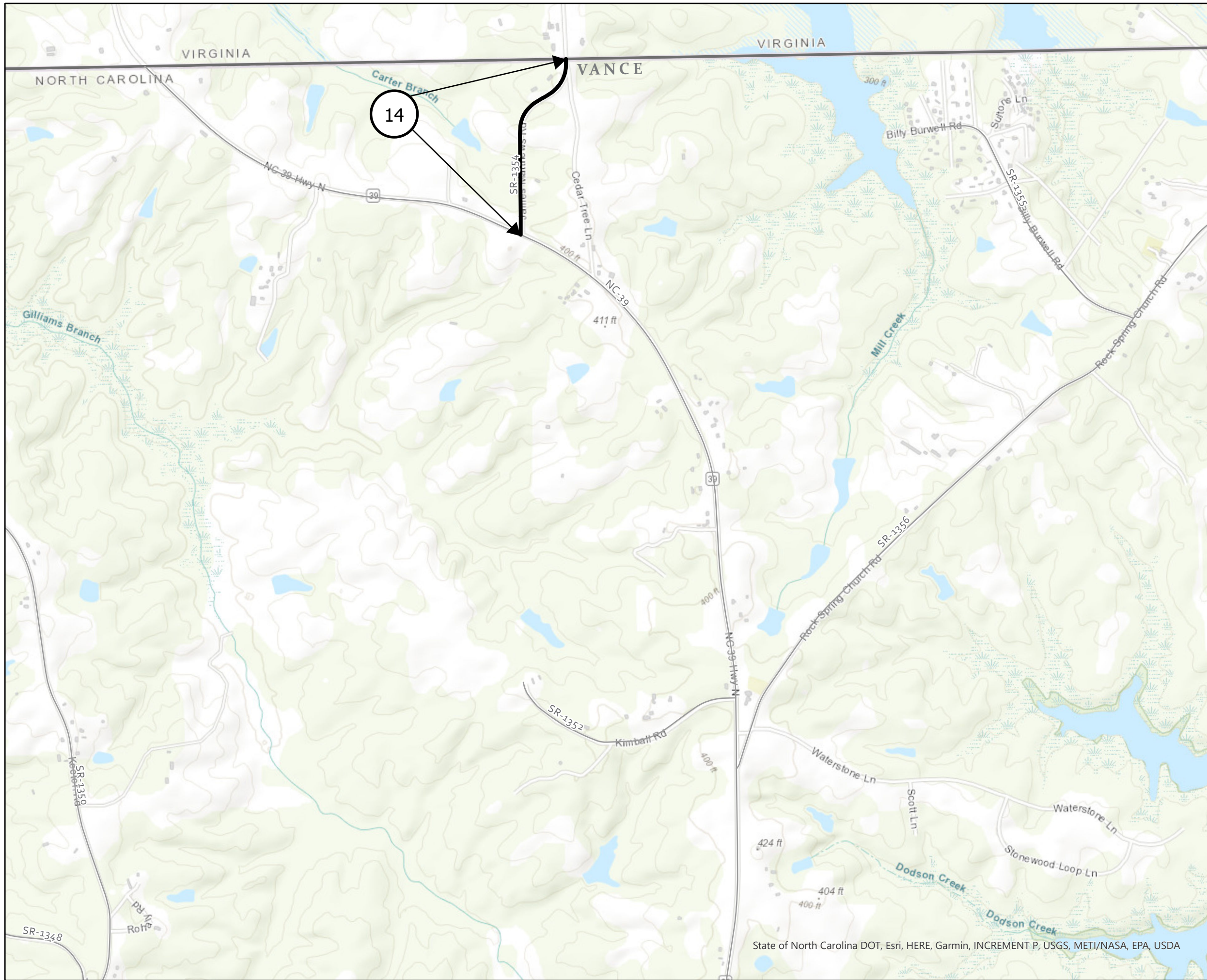




2027 Div. Chip - Person County	
PROJECT REFERENCE NO.	SHEET NO.
2026CPT.05.01.20732.1	4

Map 13: SR-1746 (Charlie Reade Rd)
 From SR-1717 (Surl Mt Tirzah Rd) to SR-1715
 (Helena Moriah Rd)

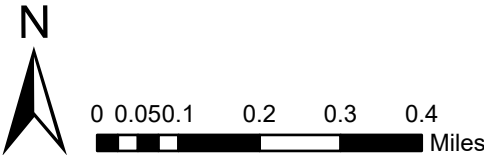


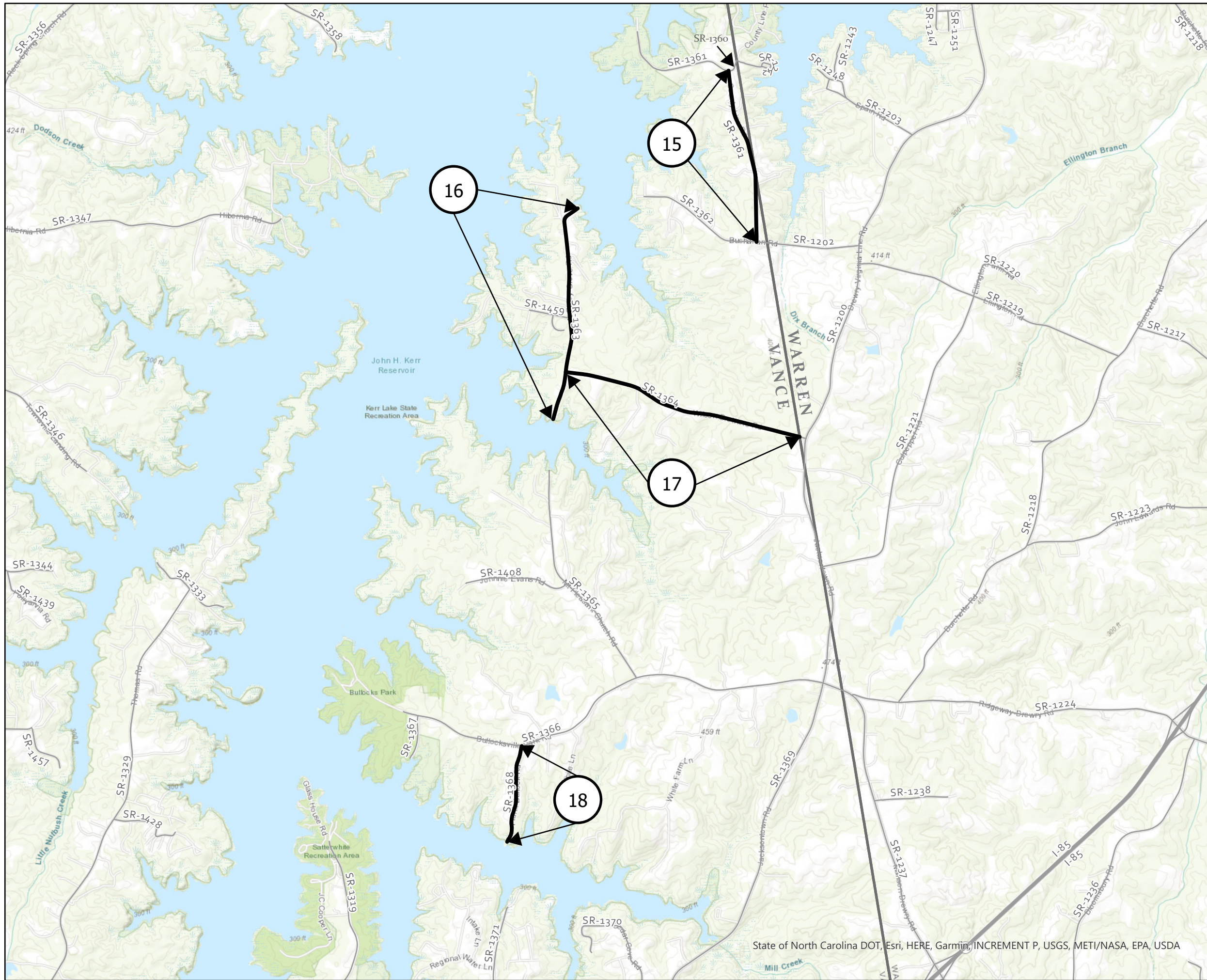


2027 Div. Chip - Vance County	
PROJECT REFERENCE NO.	SHEET NO.
2026CPT.05.01.20912.1	5

Map 14: SR-1354 (James Matthews Rd)
From NC 39 to Virginia State Line

State of North Carolina DOT, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA





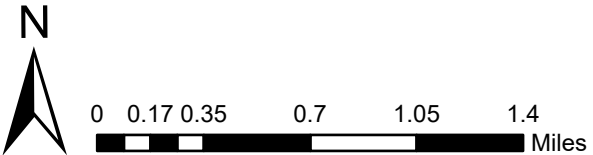
2027 Div. Chip - Vance County	
PROJECT REFERENCE NO.	SHEET NO.
2026CPT.05.01.20912.1	6

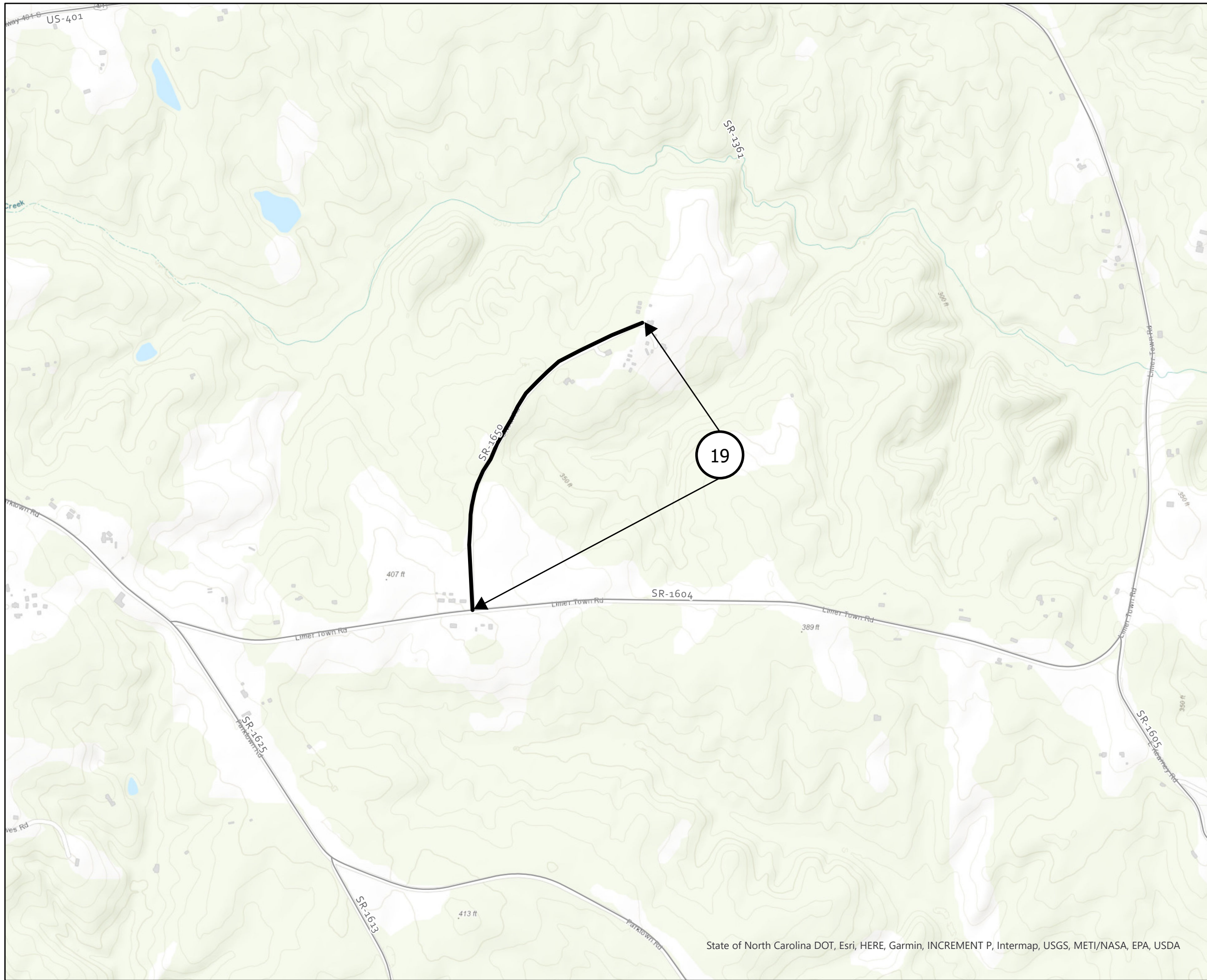
Map 15: SR-1361 (County Line Rd)
From SR-1362 (Buchanan Rd) to SR-1360 (County Line Rd)

Map 16: SR-1363 (S Piney grove Rd)
From End Maintenance to End Maintenance

Map 17: SR-1364 (Wilson Brothers Rd)
From Warren County to SR-1363 (S Piney Grove Rd)

Map 18: SR-1368 (Frank Bullock Rd)
From SR-1366 (Bullocksville Park Rd) to End Maintenance)

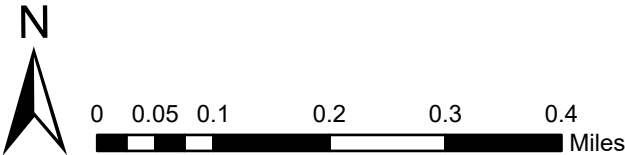




2027 Div. Chip - Warren County	
PROJECT REFERENCE NO.	SHEET NO.
2026CPT.05.01.20932.1	7

Map 19: SR-1650 (Oneal Rd)
From SR-1604 (Limer Town Rd) to End Maintenance

19



2027 Div. Chip - Warren County

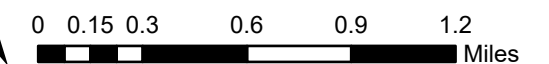
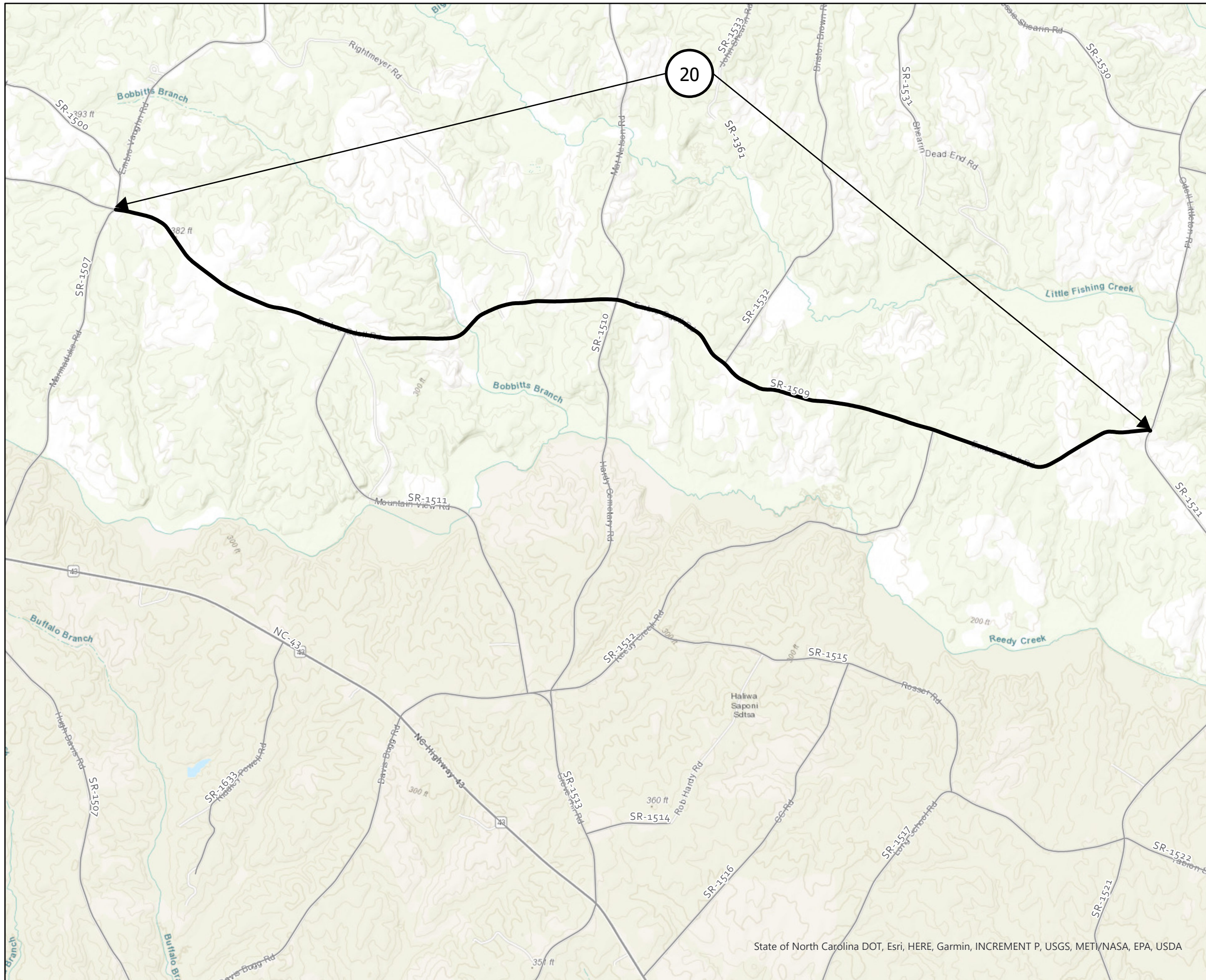
PROJECT REFERENCE NO.

SHEET NO.

2026CPT.05.01.20932.1

8

Map 20: SR-1509 (Warrenton Embro Rd)
From SR-1507 (Embro Vaughn Rd) to SR-1521
(Odell Littleton Rd)



PAVEMENT SCHEDULE

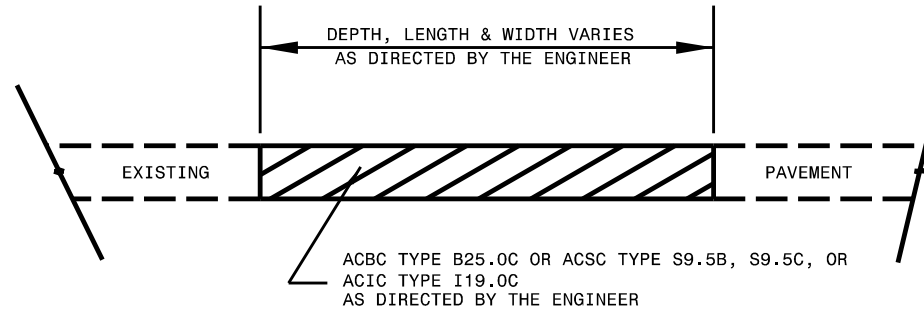
PROJECT REFERENCE NO.

SHEET NO.

2025CPT.05.01.20352.1, etc.

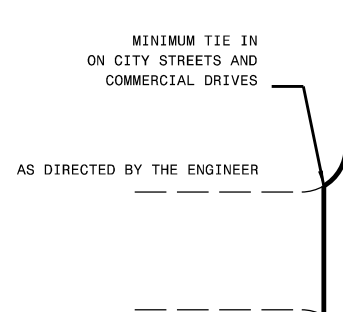
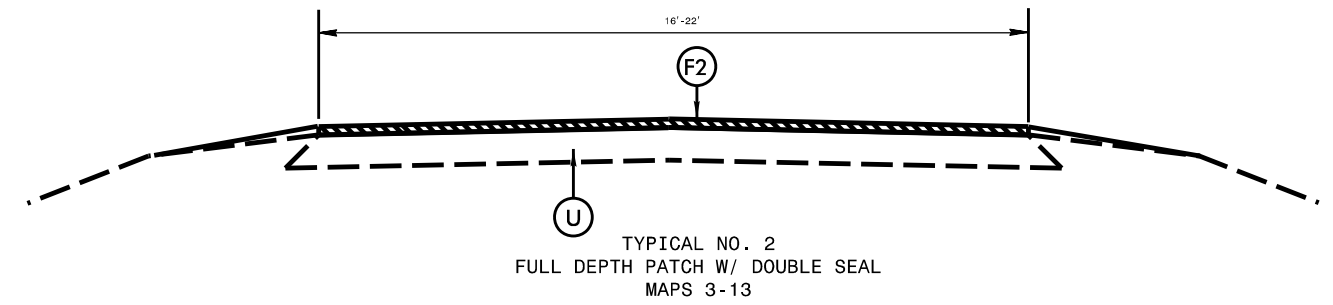
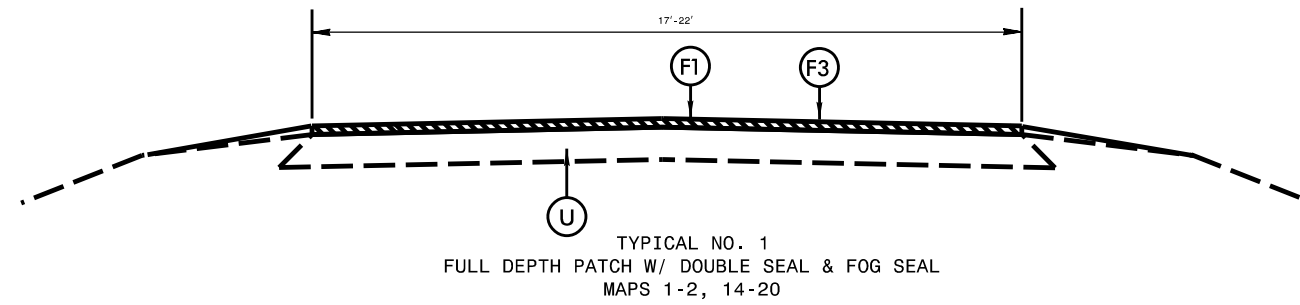
9

U	EXISTING PAVEMENT
F1	FULL DEPTH PATCH W/ DOUBLE SEAL & FOG SEAL
F2	FULL DEPTH PATCH W/ DOUBLE SEAL
F3	FOG SEAL * TO BE APPLIED WITHIN 5 DAYS OF DOUBLE SEAL ROADWAY SURFACE TO BE SWEEPED PRIOR TO FOG SEAL APPLICAITON

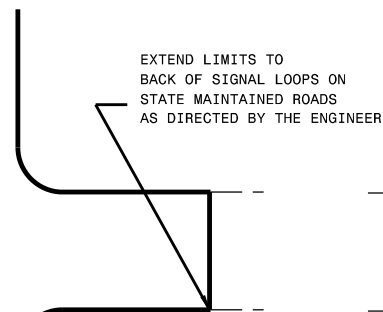


PATCHING EXISTING PAVEMENT

MILLING TO BE PERFORMED PRIOR TO PATCHING

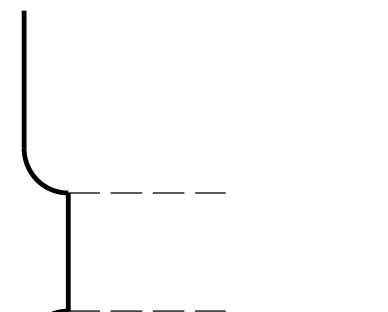


DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



MINIMUM TIE IN ON CITY STREETS AND COMMERCIAL DRIVES AS DIRECTED BY THE ENGINEER

DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

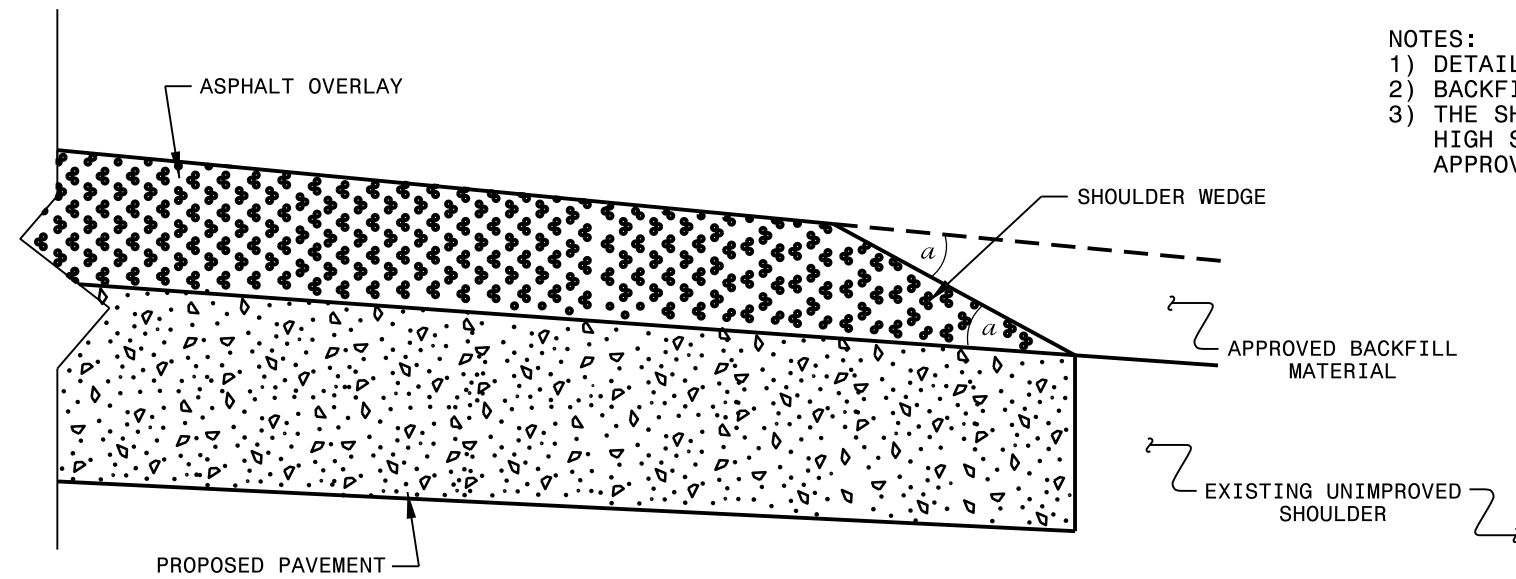


EXTEND LIMITS TO BACK OF RADIUS ON STATE MAINTAINED ROADS AS DIRECTED BY THE ENGINEER

SEAL TYPES AND MATERIAL APPLICATION RATES					
MAP #	TYPE OF SEAL	LAYER	AGGREGATE TYPE	AGGREGATE TARGET RATES (LBS/SY)	EMULSION TARGET RATES (GAL/SY)
ALL MAPS	DOUBLE	BOTTOM	78M	18	0.30
		TOP	9M	9	0.25
			EMULSION TYPE		
maps #1-5, 7-20	FOG SEAL	WITHIN 5 DAYS OF DOUBLE SEAL	CSS-1H		0.12

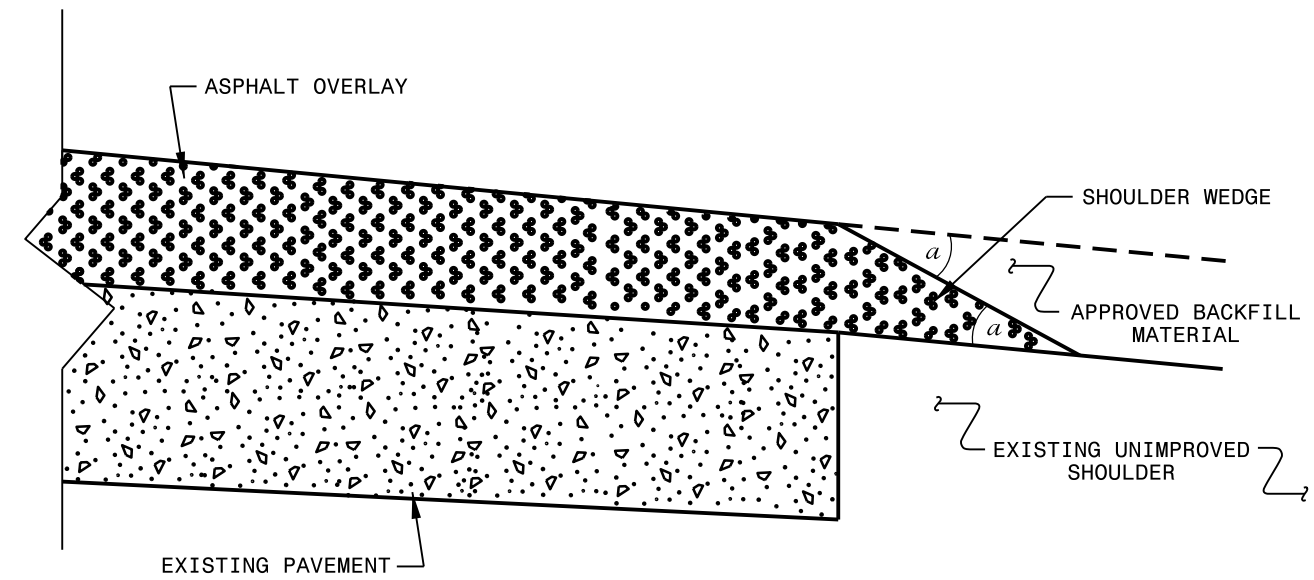
NOTES:

- 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, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



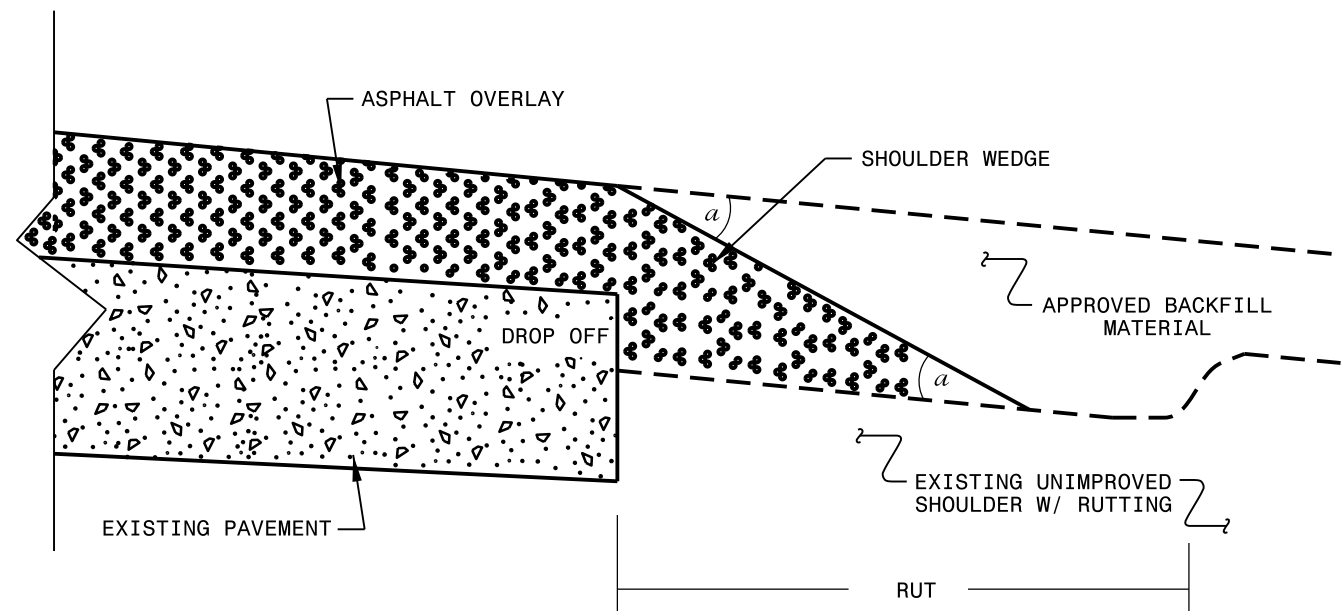
SHOULDER WEDGE DETAIL

(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: 2/2/16	
CHECKED BY:	DATE:	
FILE SPEC.: szusr/details/stand/shoulderwedgedetail.dgn		

PROJECT NO.	SHEET NO.
2025CPT.05.01.20352.1, etc.	11

SUMMARY OF QUANTITIES

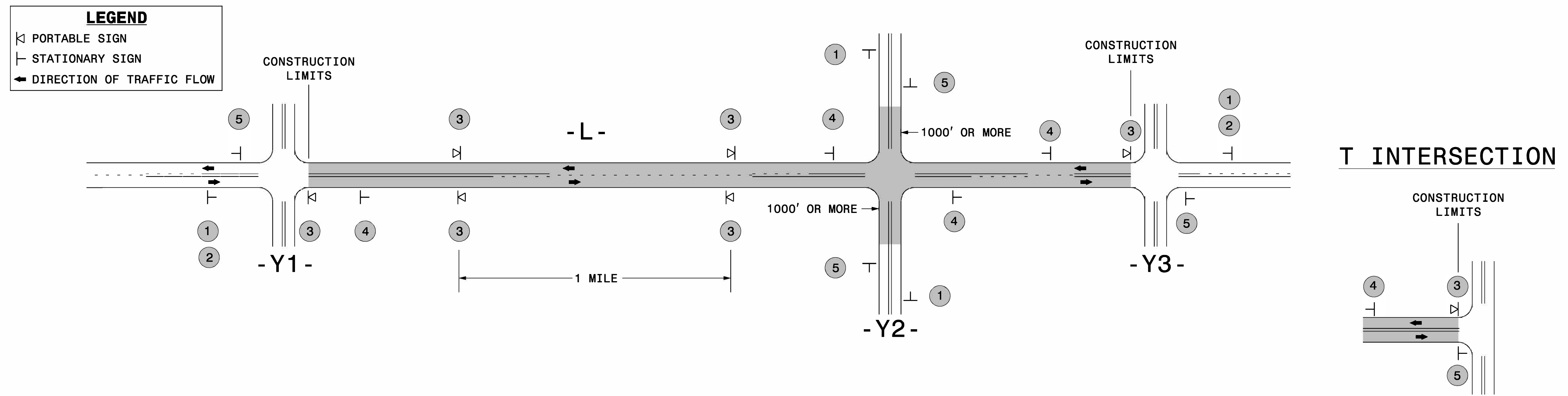
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGI N MP	END MP	1575000000-E	1704000000-E	1803500000-E	1820000000-E	1838000000-E
												ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, DOUBLE SEAL	ASPHALT SURFACE TREATMENT, FOG SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT
												TON	TONS	SY	SY	GAL
2025CPT.05.01.20352.1	Franklin	1	SR-1759 / THOMAS ARNOLD RD	FROM SR 1757 TO SR 1244	1	2		0.960	20	0.000	0.960	38	790	11,264	11,264	1,589
2025CPT.05.01.20352.1	Franklin	2	SR-1757 / THOMAS ARNOLD RD/THOMAS RD	FROM SR 1770 TO SR 1759	1	2		0.451	20	0.000	0.451	21	444	5,292	5,292	2,223
TOTAL FOR PROJ NO. 2025CPT.05.01.20352.1												59	1,234	16,556	16,556	3,812
2026CPT.05.01.20732.1	Person	3	SR-1317 / SCOTT RD	FROM SR 1318 TO CUL-DE-SAC	2	2		1.119	20	0.000	1.119	1	19	13,130		3,939
2026CPT.05.01.20732.1	Person	4	SR-1319 / BARKER RD	FROM SR 1318 TO CASWELL COUNTY	2	2		1.864	20	0.000	1.864	22	463	21,871		6,561
2026CPT.05.01.20732.1	Person	5	SR-1370 / GLENNIE IRVIN RD	FROM SR 1318 TO DEAD END	2	2		0.648	20	0.000	0.648		9	7,603		2,281
2026CPT.05.01.20732.1	Person	6	SR-1320 / VIRGINIA LINE RD	FROM SR 1319 TO VIRGINIA STATE LINE	2	2		0.654	20	0.000	0.654	10	200	7,779		2,334
2026CPT.05.01.20732.1	Person	7	SR-1373 / HENRY BRANDON RD	FROM SR 1318 TO END PVMT	2	2		0.663	20	0.000	0.663	1	20	7,779		2,334
2026CPT.05.01.20732.1	Person	8	SR-1321 / FRANKLIN RD	FROM SR 1318 TO DEAD END	2	2		1.018	20	0.000	1.018	1	28	11,945		3,584
2026CPT.05.01.20732.1	Person	9	SR-1312 / TERRELL SCHOOL RD	FROM VIRGINIA STATE LINE TO DEAD END	2	2		0.500	20	0.000	0.500	1	20	5,867		1,760
2026CPT.05.01.20732.1	Person	10	SR-1375 / MUNDAY RD	FROM SR 1337 TO CUL-DE-SAC	2	2		0.590	20	0.000	0.590	2	41	6,923		2,077
2026CPT.05.01.20732.1	Person	11	SR-1349 / CARVER-HOLT RD	FROM SR 1348 TO DEAD END	2	2		0.381	20	0.000	0.381	1	22	4,470		1,341
2026CPT.05.01.20732.1	Person	12	SR-1341 / NORA POOLE RD	FROM SR 1342 TO DEAD END	2	2		0.940	20	0.000	0.940	14	288	11,029		3,309
2026CPT.05.01.20732.1	Person	13	SR-1746 / CHARLIE READE RD	FROM SR 1717 TO SR 1715	2	2		1.126	20	0.000	1.126	9	186	13,212		3,964
TOTAL FOR PROJ NO. 2026CPT.05.01.20732.1												62	1,296	111,608		33,484
2026CPT.05.01.20912.1	Vance	14	SR-1354 / JAMES MATTHEWS RD	FROM NC 39 TO VIRGINIA	1	2		0.496	20	0.000	0.496	3	68	5,820	5,820	2,444
2026CPT.05.01.20912.1	Vance	15	SR-1361 / COUNTY LINE RD	FROM SR 1362 TO SR 1360	1	2		1.191	20	0.000	1.191	1	13	13,974	13,974	5,869
2026CPT.05.01.20912.1	Vance	16	SR-1363 / S PINEY GROVE RD/N PINEY GROVE RD	FROM END MAINT TO END MAINT	1	2		1.494	20	0.000	1.494	3	63	17,530	17,530	7,363
2026CPT.05.01.20912.1	Vance	17	SR-1364 / WILSON BROTHERS RD	FROM WARREN CO TO SR 1363	1	2		1.660	18	0.000	1.660	6	120	17,530	17,530	7,363
2026CPT.05.01.20912.1	Vance	18	SR-1368 / FRANK BULLOCK RD	FROM SR 1366 TO END MAINT	1	2		0.667	20	0.000	0.667	1	20	7,826	7,826	3,287
TOTAL FOR PROJ NO. 2026CPT.05.01.20912.1												14	284	62,680	62,680	26,326
2026CPT.05.01.20932.1	Warren	19	SR-1650 / ONEAL RD	FROM SR 1604 TO END MAINT	1	2		0.655	18	0.000	0.655	3	68	6,917	6,917	2,905
2026CPT.05.01.20932.1	Warren	20	SR-1509 / WARRENTON EMBRO RD/EMBRO ODELL RD	FROM SR 1507 TO SR 1521	1	2		6.739	18	3.357	10.096	7	140	71,164	71,164	29,889
TOTAL FOR PROJ NO. 2026CPT.05.01.20932.1												10	208	78,081	78,081	32,794
GRAND TOTAL												145	3,022	268,925	157,317	96,416

PROJECT NO.	SHEET NO.
2025CPT.05.01.20352.1, etc.	12

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4685000000-E	4685000000-E
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO
								MI	FT			SF	LS	LF	LF
2025CPT.05.01.20352.1	Franklin	1	SR-1759 / THOMAS ARNOLD RD	FROM SR 1757 TO SR 1244	1	2		0.96	20	0	0.96	108	0.04	4,709	4,610
2025CPT.05.01.20352.1	Franklin	2	SR-1757 / THOMAS ARNOLD RD/THOMAS RD	FROM SR 1770 TO SR 1759	1	2		0.451	20	0	0.451	126	0.02	9,992	2,381
TOTAL FOR PROJ NO. 2025CPT.05.01.20352.1								1.411				234	0.06	14,701	6,991
2026CPT.05.01.20732.1	Person	3	SR-1317 / SCOTT RD	FROM SR 1318 TO CUL-DE-SAC	2	2		1.119	20	0	1.119	125	0.05	11,817	11,817
2026CPT.05.01.20732.1	Person	4	SR-1319 / BARKER RD	FROM SR 1318 TO CASWELL COUNTY	2	2		1.864	20	0	1.864	209	0.08	19,704	19,684
2026CPT.05.01.20732.1	Person	5	SR-1370 / GLENNIE IRVIN RD	FROM SR 1318 TO DEAD END	2	2		0.648	20	0	0.648	73	0.03		
2026CPT.05.01.20732.1	Person	6	SR-1320 / VIRGINIA LINE RD	FROM SR 1319 TO VIRGINIA STATE LINE	2	2		0.654	20	0	0.654	73	0.03	6,906	6,906
2026CPT.05.01.20732.1	Person	7	SR-1373 / HENRY BRANDON RD	FROM SR 1318 TO END PVMT	2	2		0.663	20	0	0.663	74	0.03		
2026CPT.05.01.20732.1	Person	8	SR-1321 / FRANKLIN RD	FROM SR 1318 TO DEAD END	2	2		1.018	20	0	1.018	114	0.04	10,750	10,750
2026CPT.05.01.20732.1	Person	9	SR-1312 / TERRELL SCHOOL RD	FROM VIRGINIA STATE LINE TO DEAD END	2	2		0.5	20	0	0.5	56	0.02		
2026CPT.05.01.20732.1	Person	10	SR-1375 / MUNDAY RD	FROM SR 1337 TO CUL-DE-SAC	2	2		0.59	20	0	0.59	66	0.03		
2026CPT.05.01.20732.1	Person	11	SR-1349 / CARVER-HOLT RD	FROM SR 1348 TO DEAD END	2	2		0.381	20	0	0.381	43	0.02		
2026CPT.05.01.20732.1	Person	12	SR-1341 / NORA POOLE RD	FROM SR 1342 TO DEAD END	2	2		0.94	20	0	0.94	105	0.03	9,926	9,926
2026CPT.05.01.20732.1	Person	13	SR-1746 / CHARLIE READE RD	FROM SR 1717 TO SR 1715	2	2		1.126	20	0	1.126	126	0.04	11,658	11,605
TOTAL FOR PROJ NO. 2026CPT.05.01.20732.1								9.503				1,064	0.40	70,761	70,688
2026CPT.05.01.20912.1	Vance	14	SR-1354 / JAMES MATTHEWS RD	FROM NC 39 TO VIRGINIA	1	2		0.496	20	0	0.496	56	0.02	5,238	4,491
2026CPT.05.01.20912.1	Vance	15	SR-1361 / COUNTY LINE RD	FROM SR 1362 TO SR 1360	1	2		1.191	20	0	1.191	133	0.05	12,577	9,774
2026CPT.05.01.20912.1	Vance	16	SR-1363 / S PINEY GROVE RD/N PINEY GROVE RD	FROM END MAINT TO END MAINT	1	2		1.494	20	0	1.494	167	0.06	12,577	12,358
2026CPT.05.01.20912.1	Vance	17	SR-1364 / WILSON BROTHERS RD	FROM WARREN CO TO SR 1363	1	2		1.66	18	0	1.66	186	0.07	17,530	15,272
2026CPT.05.01.20912.1	Vance	18	SR-1368 / FRANK BULLOCK RD	FROM SR 1366 TO END MAINT	1	2		0.667	20	0	0.667	75	0.03		
TOTAL FOR PROJ NO. 2026CPT.05.01.20912.1								5.508				617	0.23	47,922	41,895
2026CPT.05.01.20932.1	Warren	19	SR-1650 / ONEAL RD	FROM SR 1604 TO END MAINT	1	2		0.655	18	0	0.655	73	0.03		
2026CPT.05.01.20932.1	Warren	20	SR-1509 / WARRENTON EMBRO RD/EMBRO ODELL RD	FROM SR 1507 TO SR 1521	1	2		6.739	18	3.357	10.096	755	0.28	72,512	67,275
TOTAL FOR PROJ NO. 2026CPT.05.01.20932.1								7.394				828	0.310	72,512	67,275
GRAND TOTAL								23.816				2,743	1.000	205,896	186,849

SIGNING FOR ASPHALT SURFACE TREATMENT



MAINLINE (-L-) SIGNING

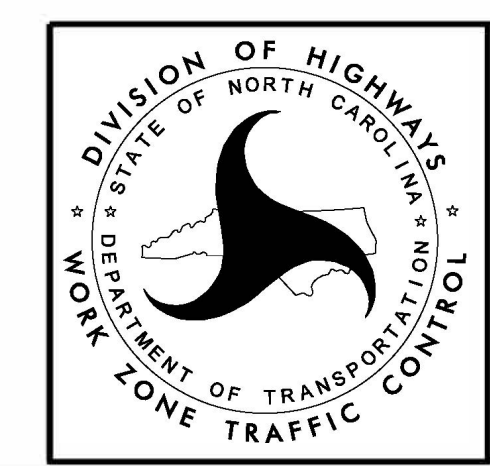
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 <small>W20-1 48" X 48"</small>	<ul style="list-style-type: none"> - PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. - SIGN 2 MAY BE OMITTED FOR T INTERSECTIONS. FOLLOW T INTERSECTION SIGNING DETAIL ABOVE. - SIGN 2 MAY BE OMITTED WHEN CONSTRUCTION LIMITS ARE LESS THAN 2 MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS. 	<p>NO STATIONARY SIGNING REQUIRED 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>SIGNS 1 & 5 ARE REQUIRED FOR -Y- LINES WITH 1000' OR MORE OF RESURFACING OR PAVING</p> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE MOUNTED ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p>
	2	 <small>W7-3aP 24" X 18"</small>		
	3	<p style="text-align: center;">ALTERNATE SIGNS</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <small>WB-7 48" X 48"</small> </div> <div style="text-align: center;"> <small>SP 48" X 48"</small> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;"> <small>WB-15aP 24" X 18"</small> </div> <div style="text-align: center;"> <small>WB-15aP 24" X 18"</small> </div> </div>	<ul style="list-style-type: none"> - BEGIN SEQUENCE WITH LOOSE GRAVEL SIGN INSTALLED AT THE CONSTRUCTION LIMITS FOLLOWED BY AN UNMARKED PAVEMENT SIGN INSTALLED A MILE THEREAFTER. REPEAT SEQUENCE THROUGHOUT CONSTRUCTION LIMITS. - PLACE ADDITIONAL PORTABLE MOUNTED LOOSE GRAVEL SIGNS WITHIN 100' OF -Y- LINE APPROACH DURING CURE TIME. REMOVE WHEN PAVEMENT MARKINGS ARE INSTALLED. 	
	4	 <small>SP 13106 48" X 48"</small>	<ul style="list-style-type: none"> - 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. - FOR T INTERSECTIONS, INSTALL WITHIN 500' OF THE INTERSECTION. 	
	5	 <small>G20-2 A 36" X 18"</small>	<ul style="list-style-type: none"> - PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR WITHIN 100' OF T INTERSECTION AS SHOWN IN THE ABOVE DETAIL. 	

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 AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, INSTALL A PORTABLE MOUNTED LOOSE GRAVEL (WB-7) SIGN AT THE BEGINNING CONSTRUCTION LIMIT, AN UNMARKED PAVEMENT (SP) SIGN MIDWAY THROUGH AND AN END ROAD WORK (G20-2A) SIGN AT THE END CONSTRUCTION LIMIT.



**ADVANCE WARNING SIGNS
FOR
2-LANE ROADWAY
ASPHALT SURFACE TREATMENT**