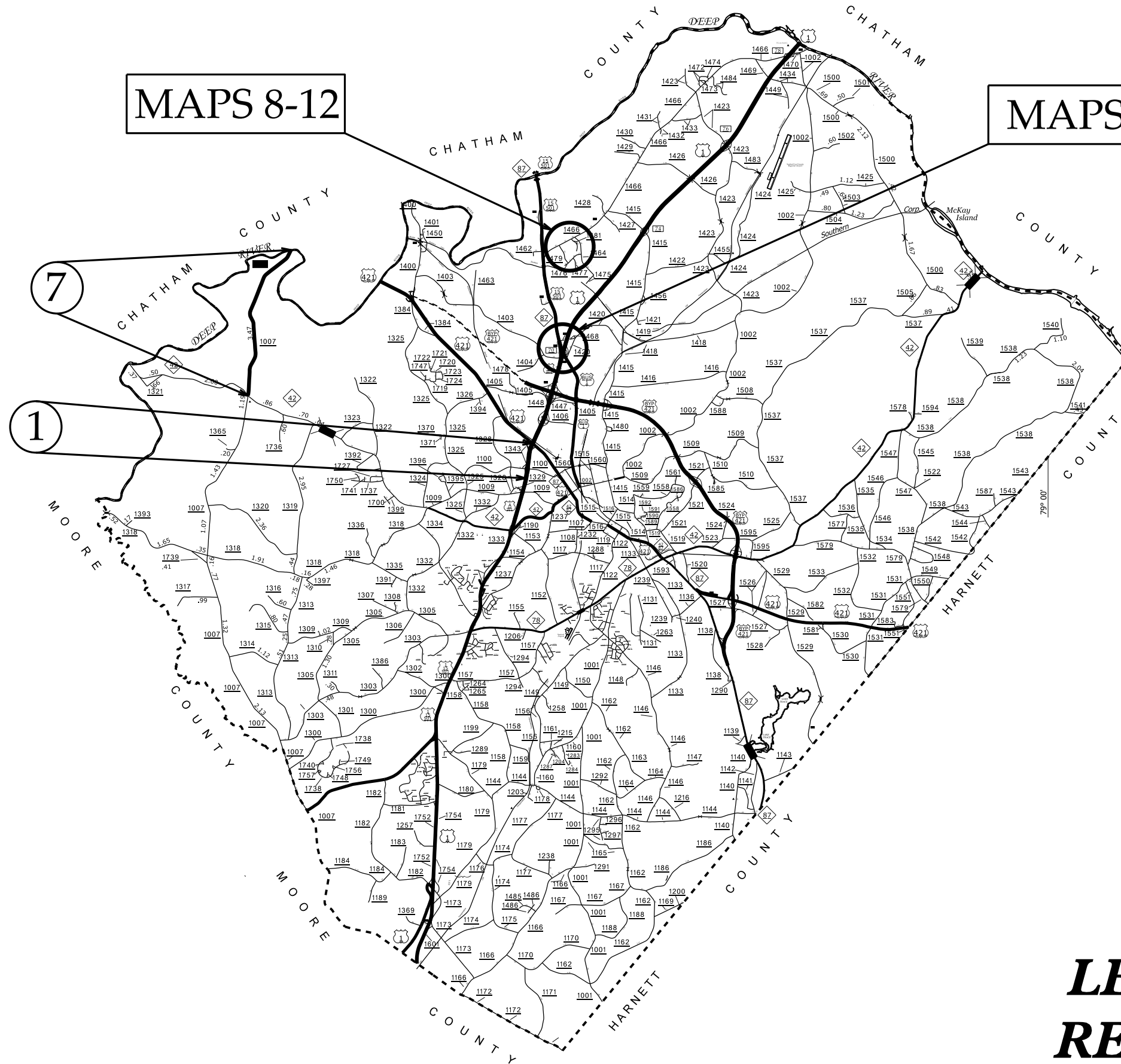


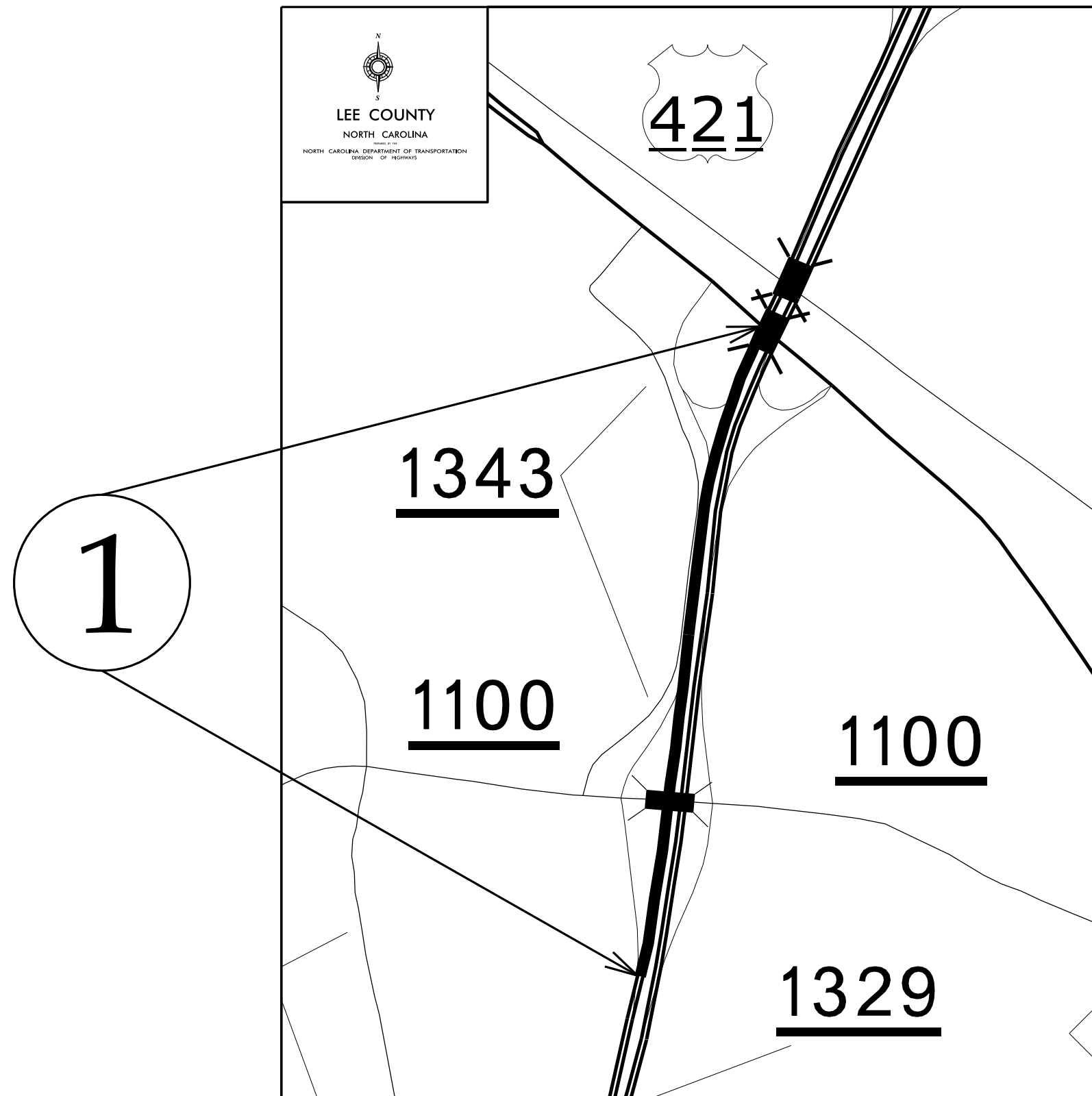
MAPS 8-12

MAPS 2-6

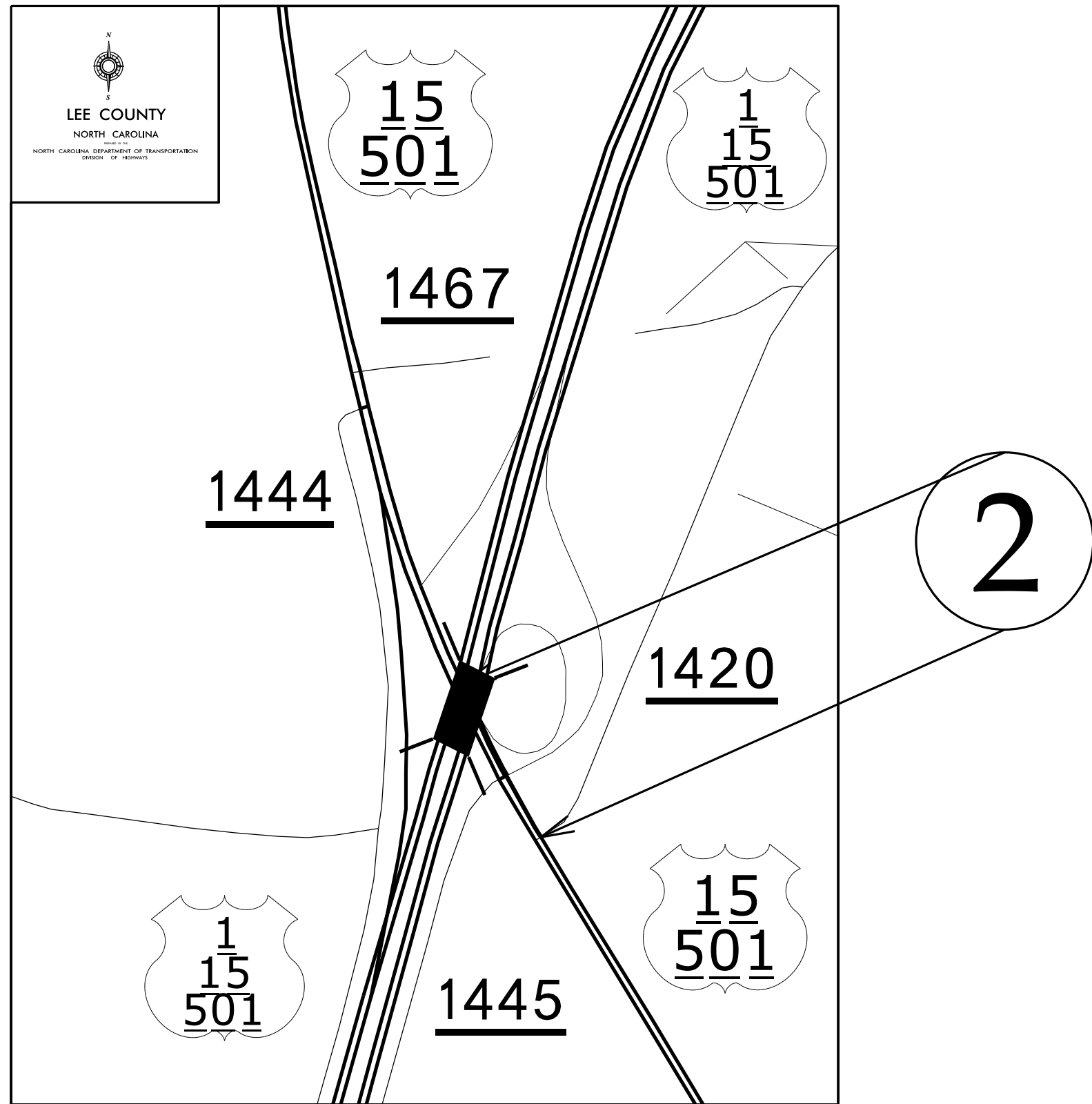


LEE COUNTY RESURFACING

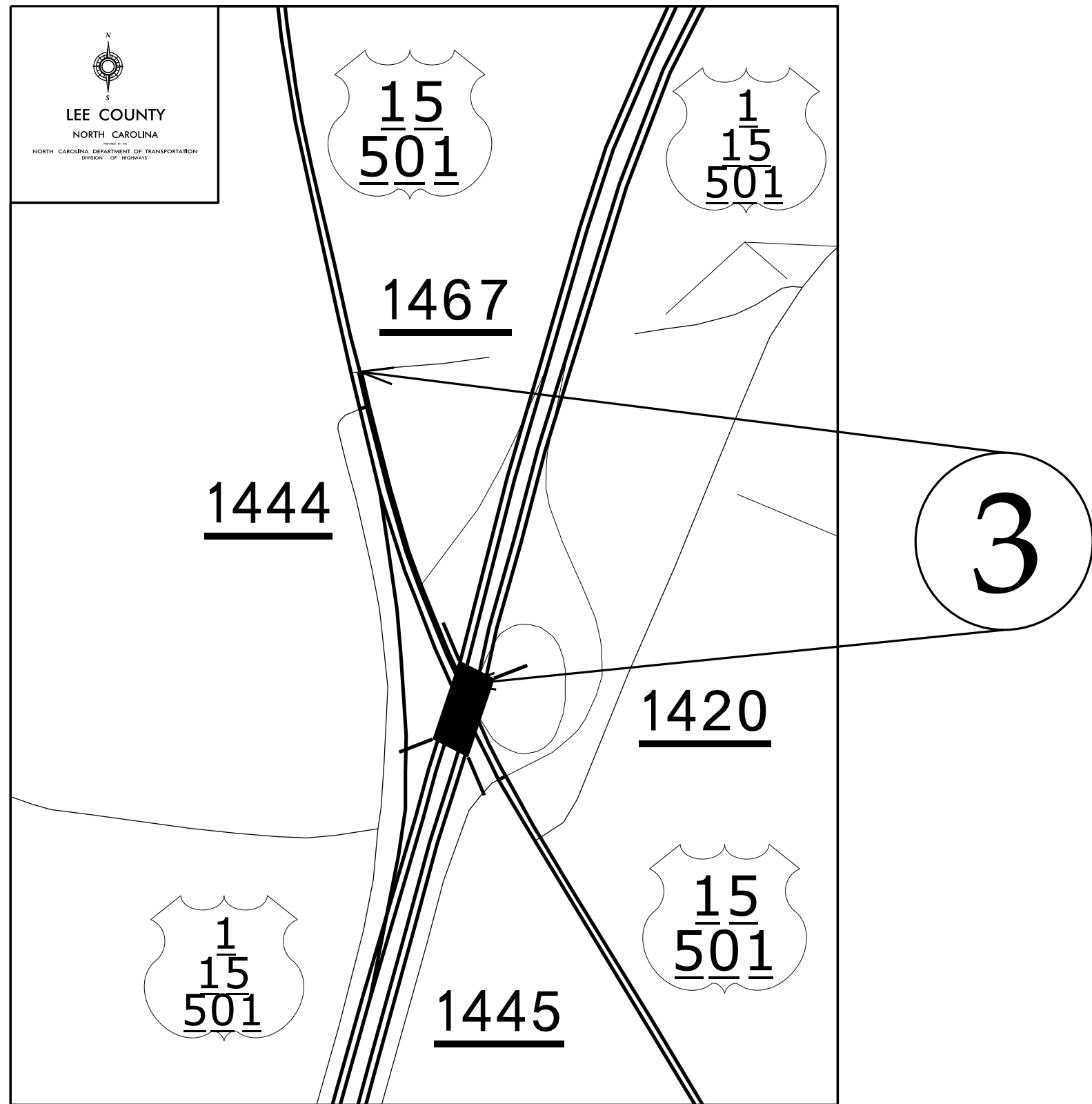
Map 1



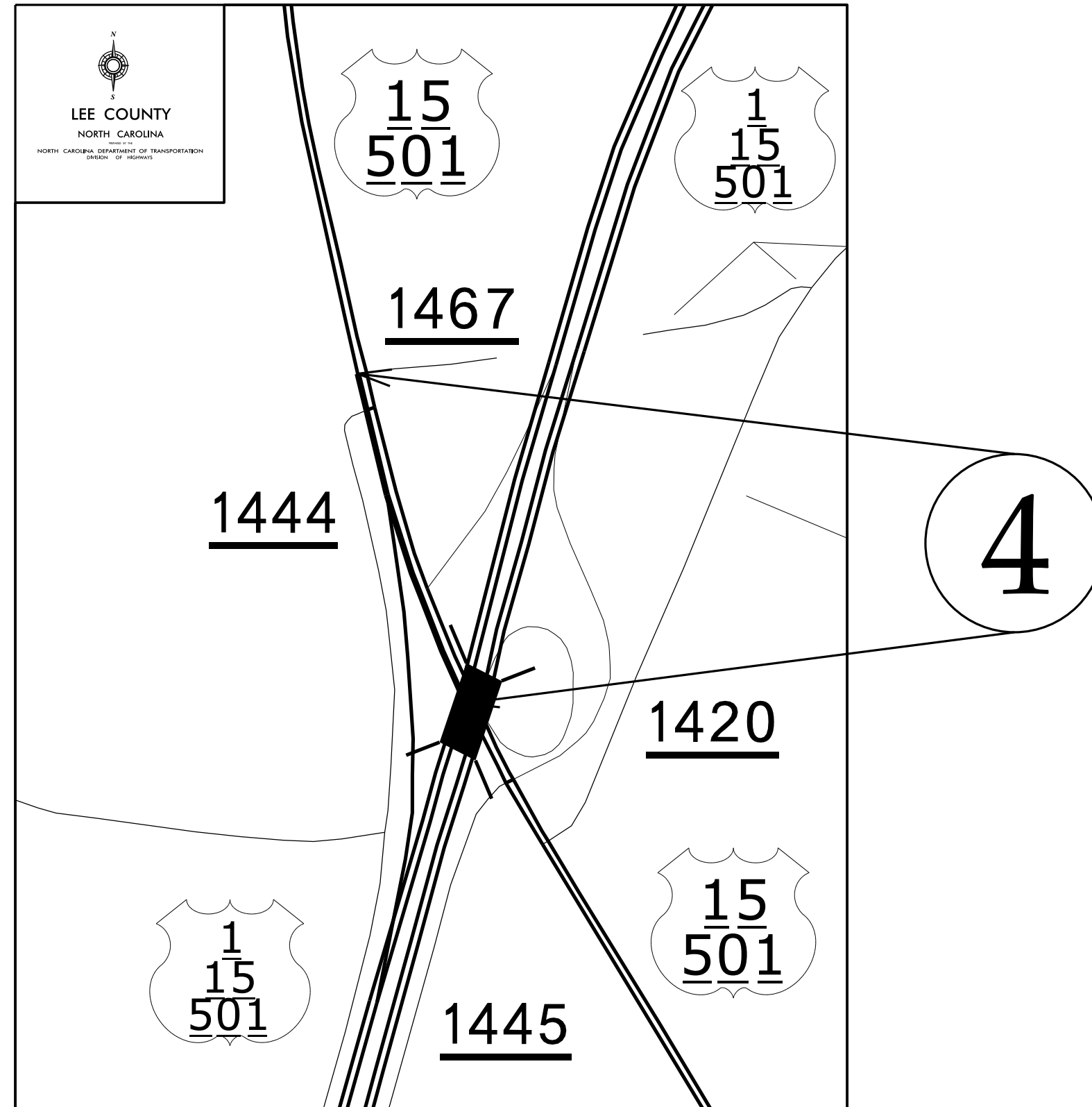
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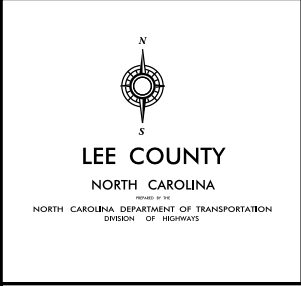
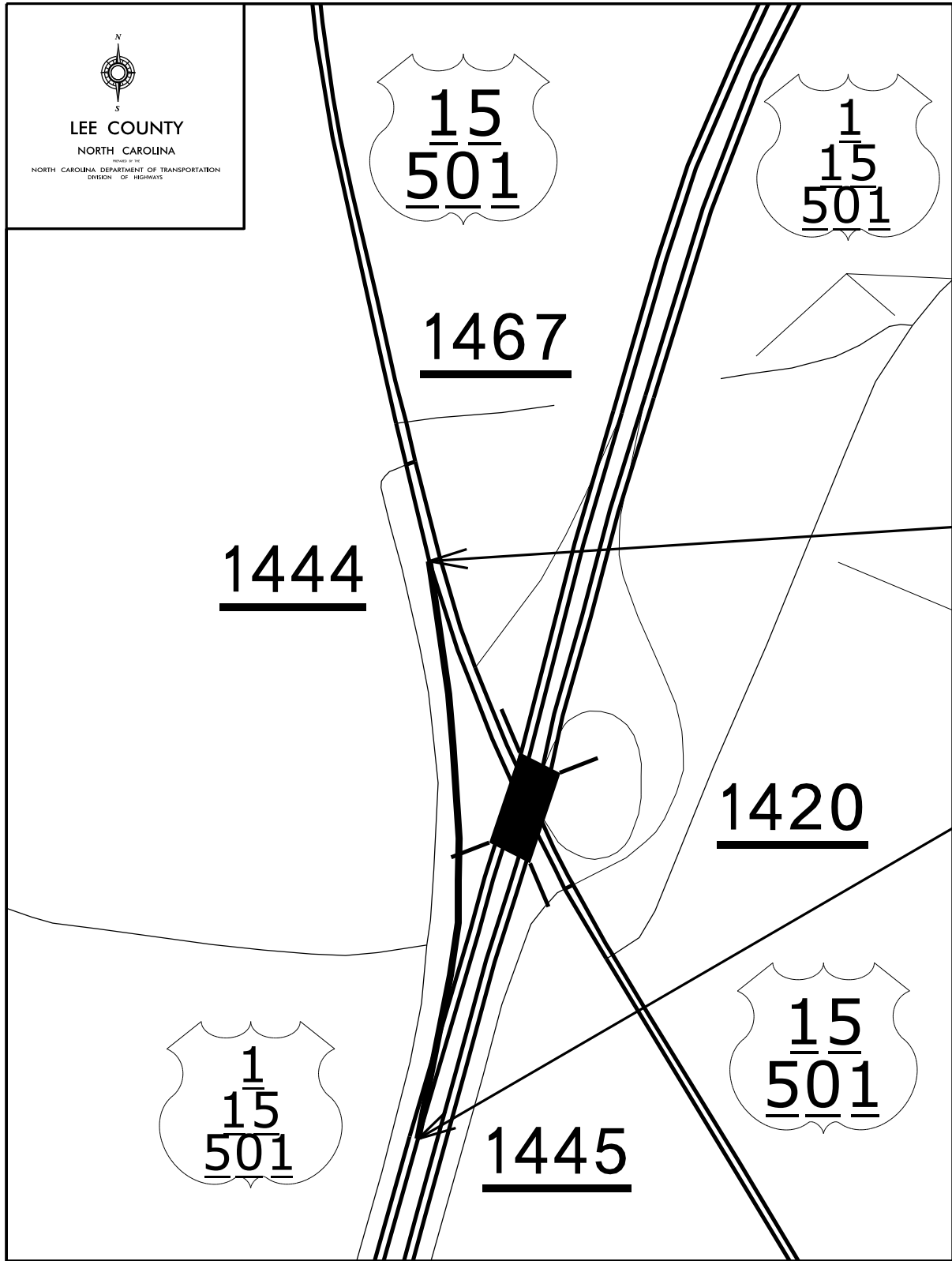
Map 3



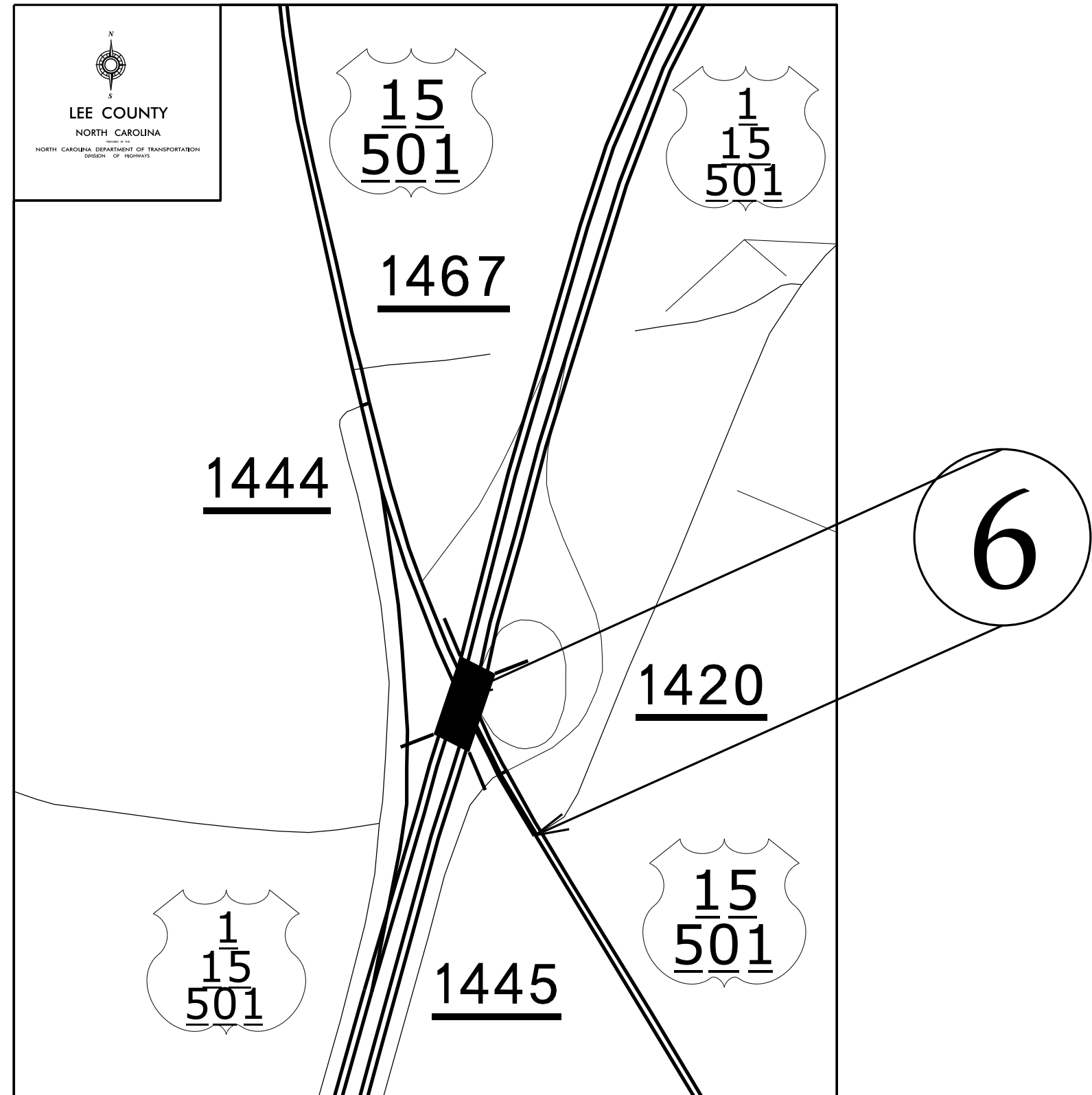
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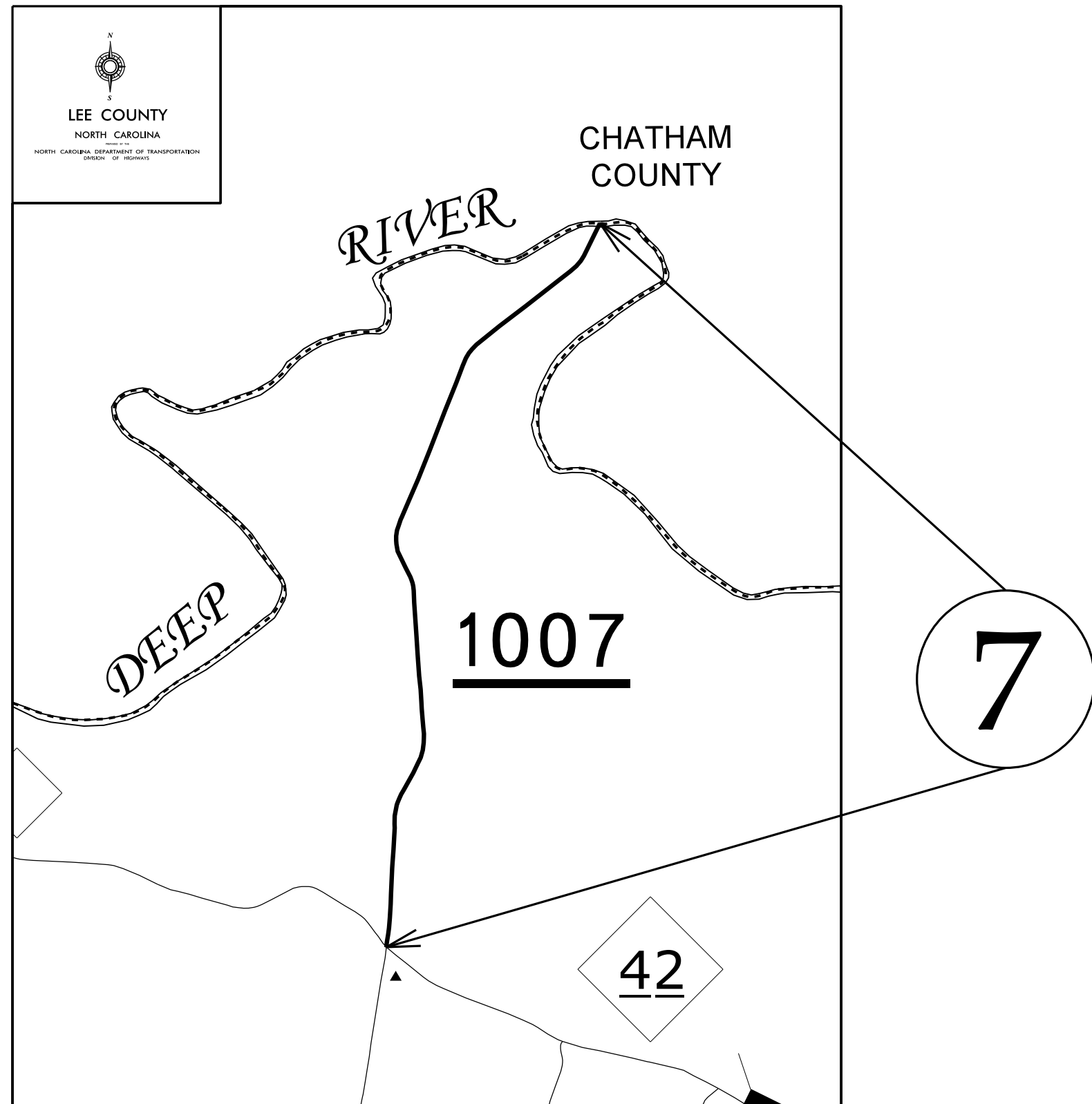
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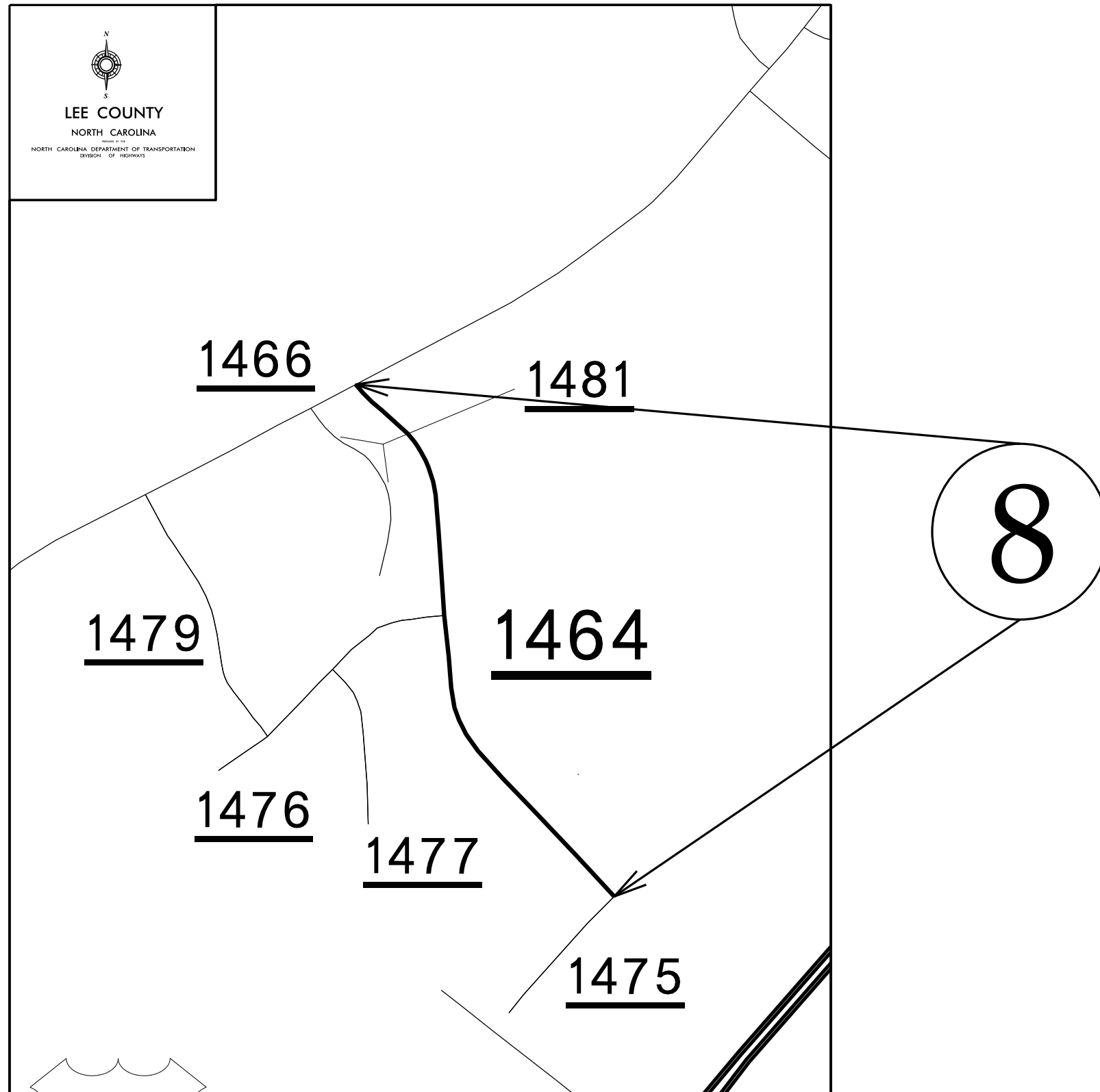
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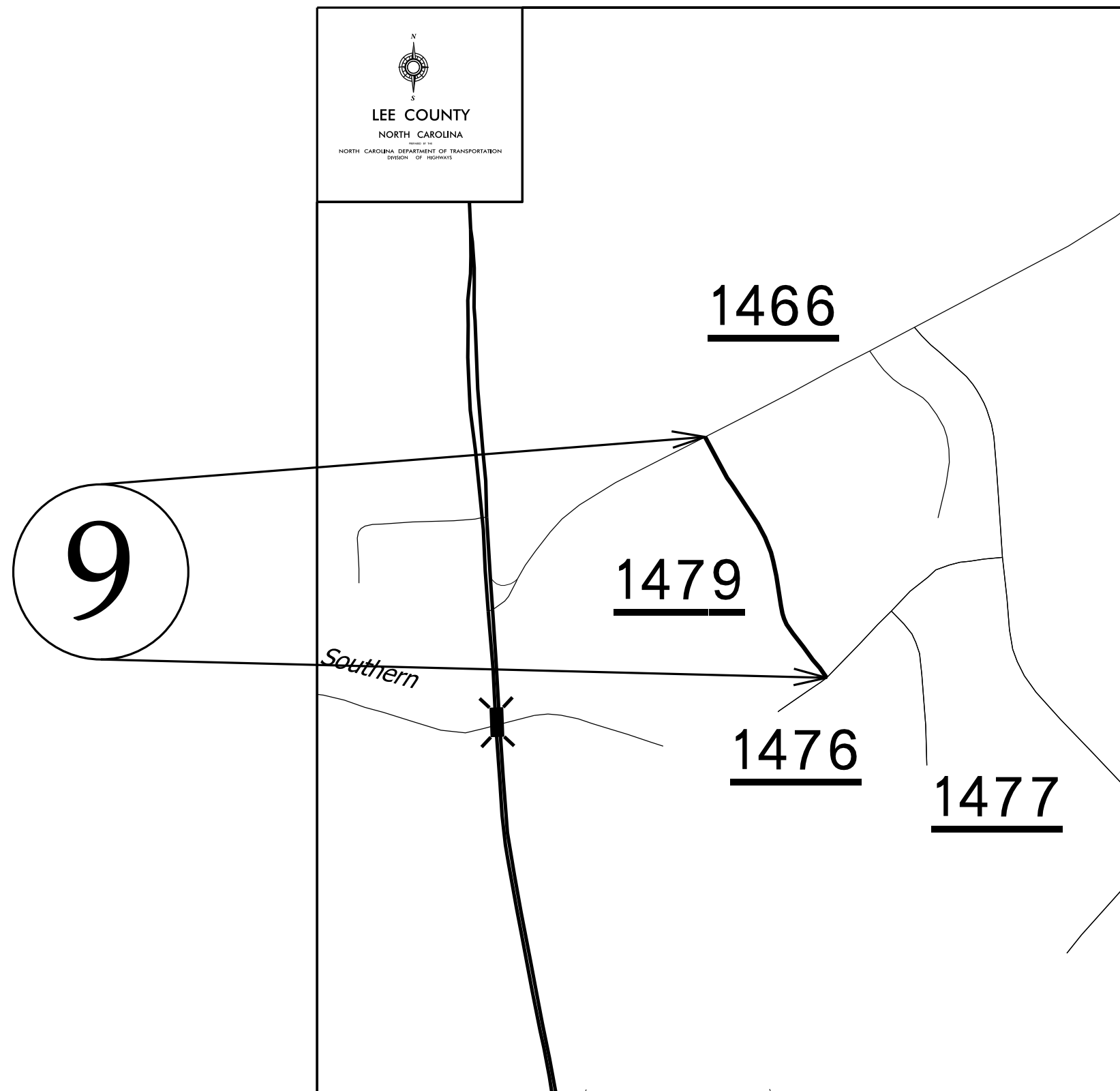
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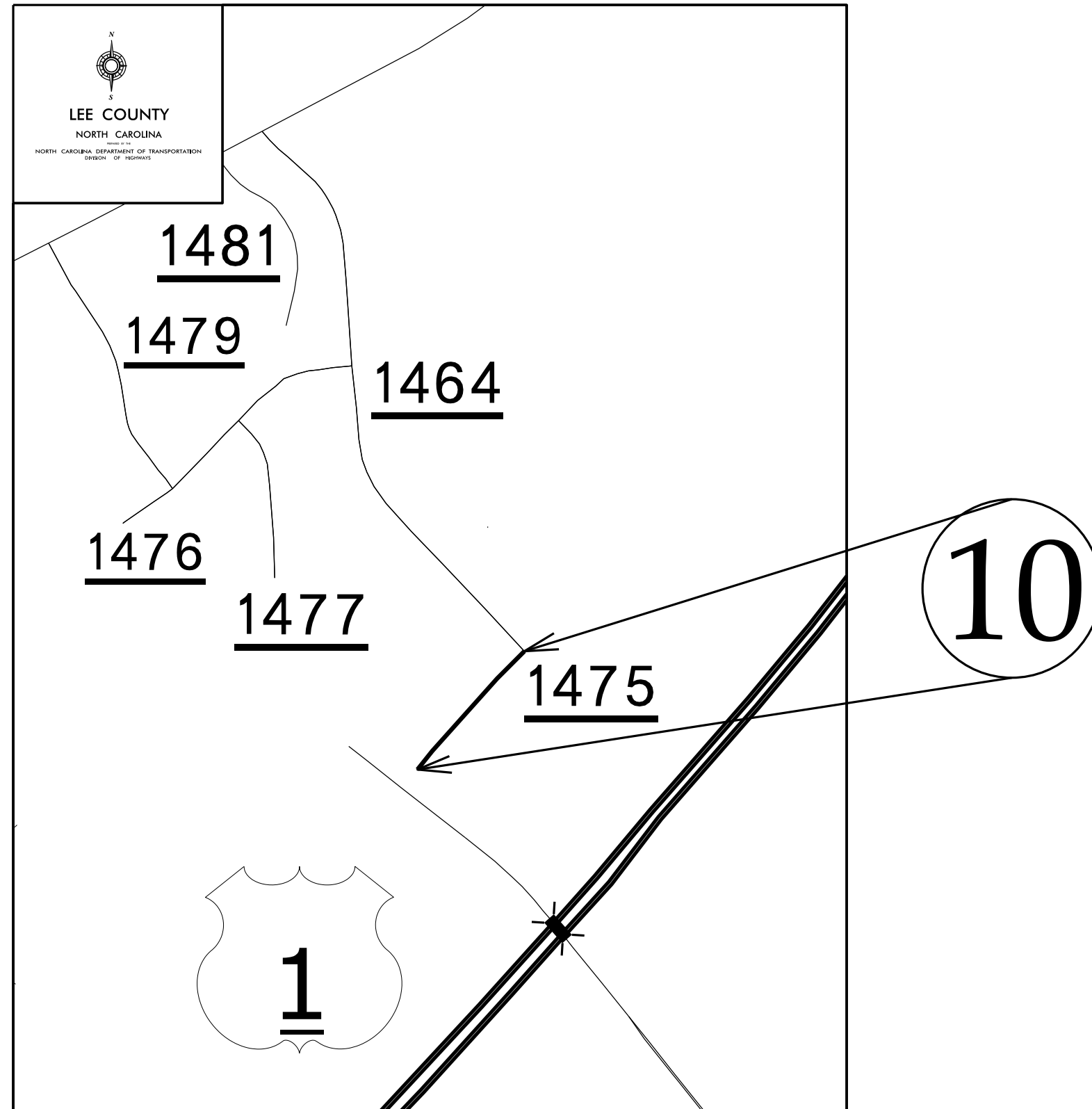
Map 8



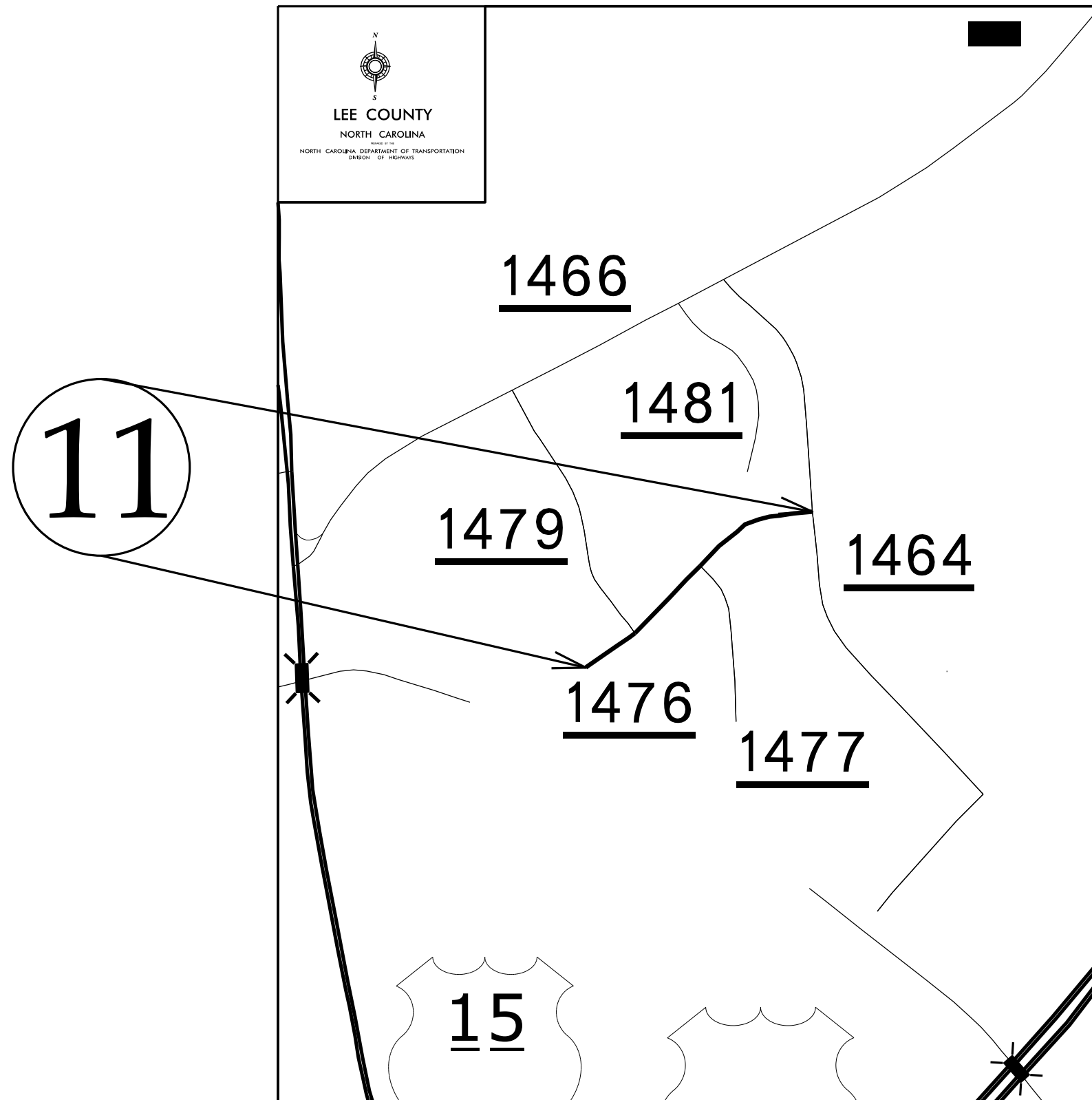
Map 9



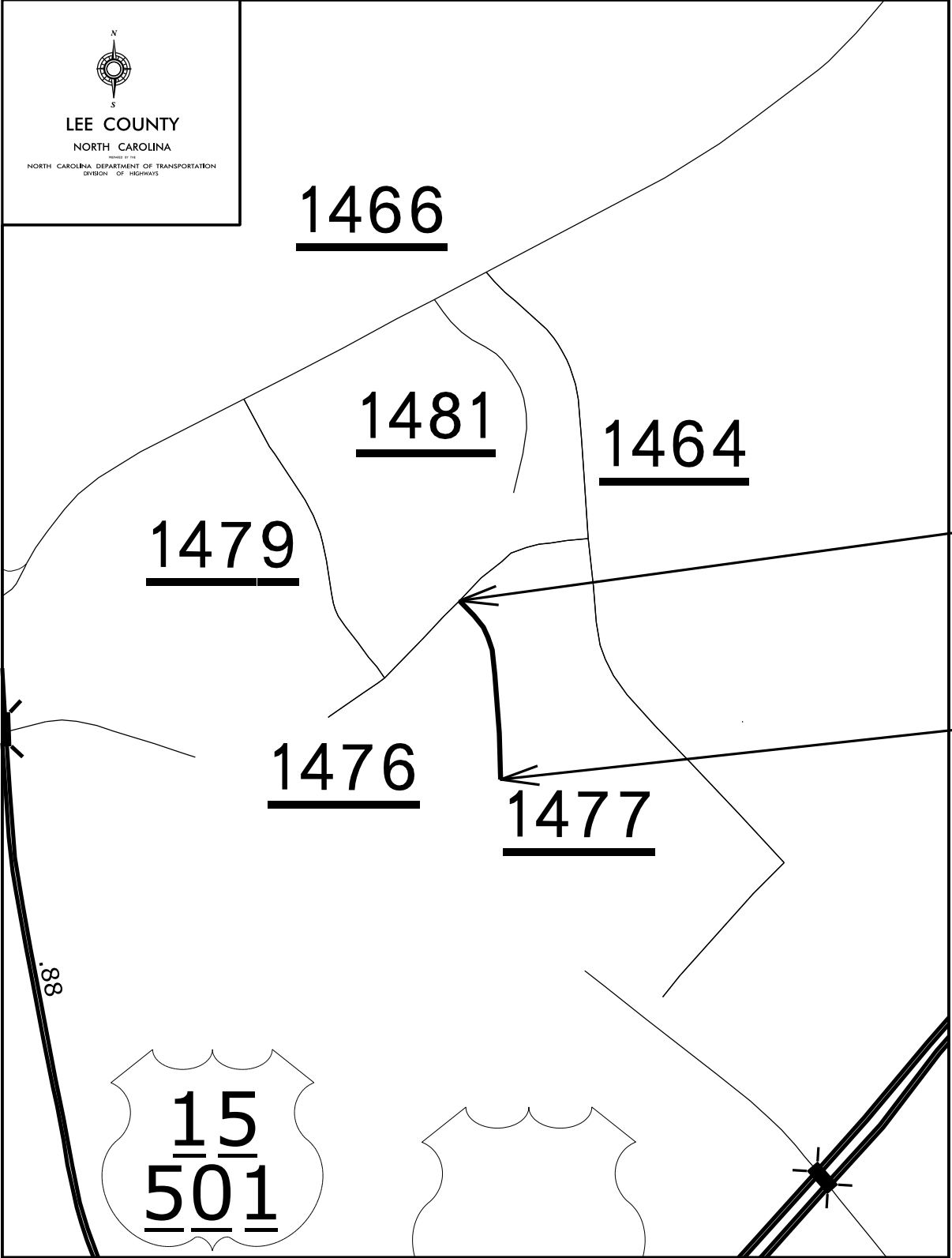
Map 10

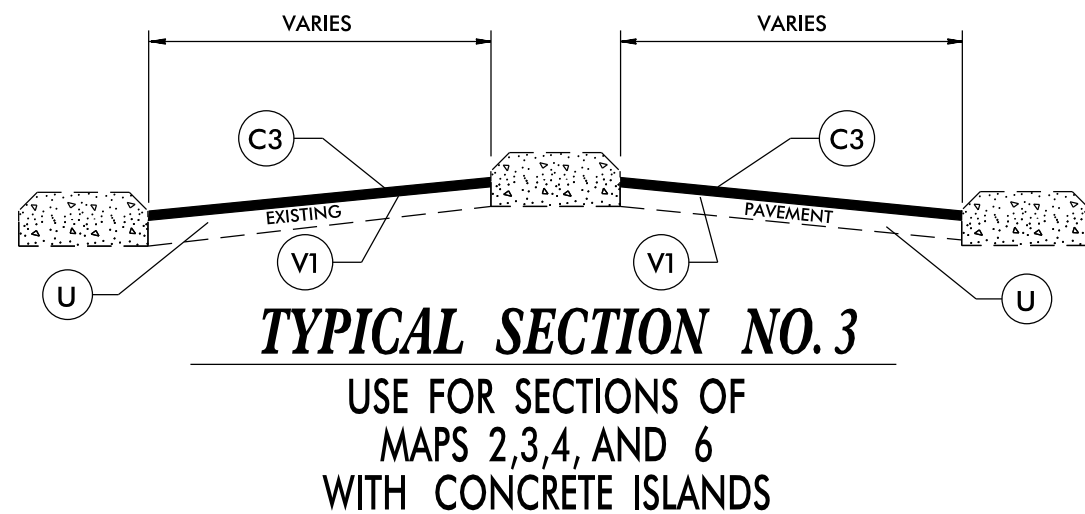
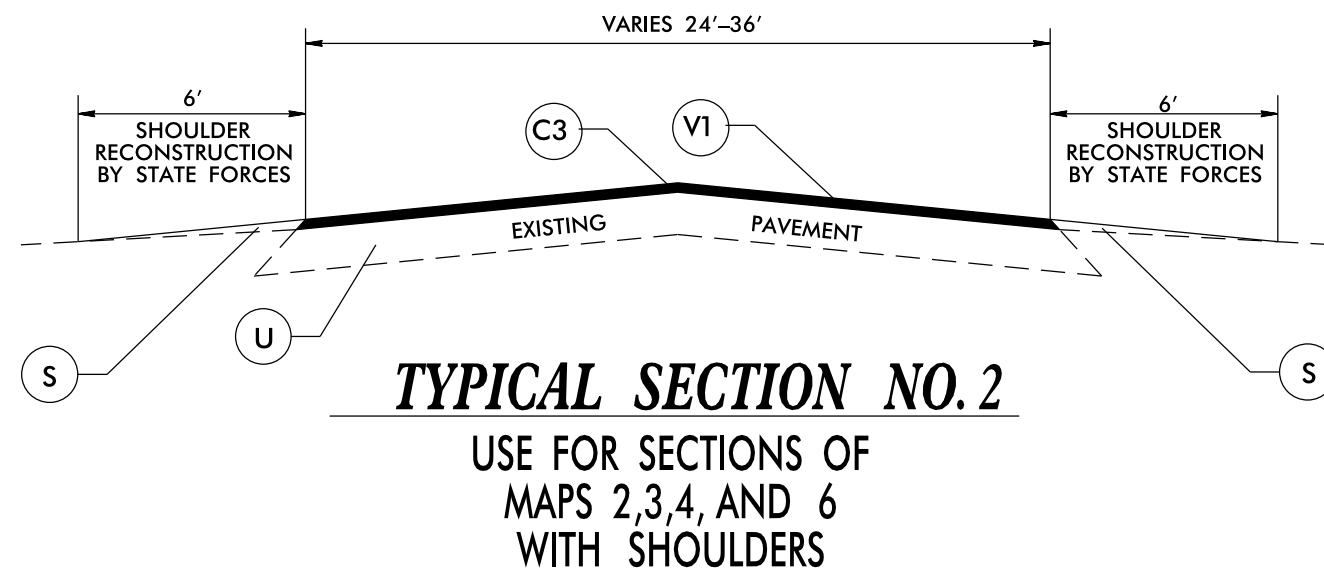
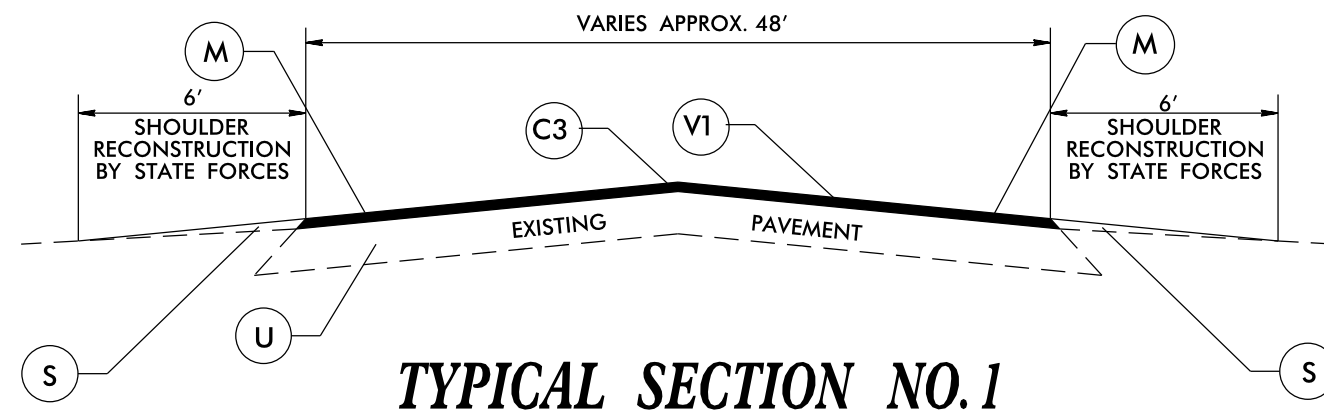


Map 11



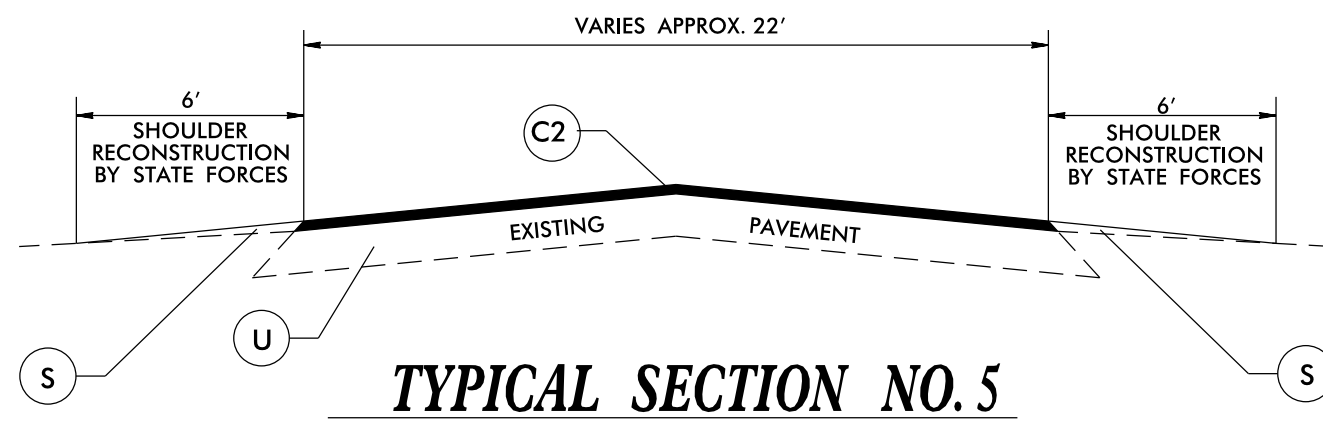
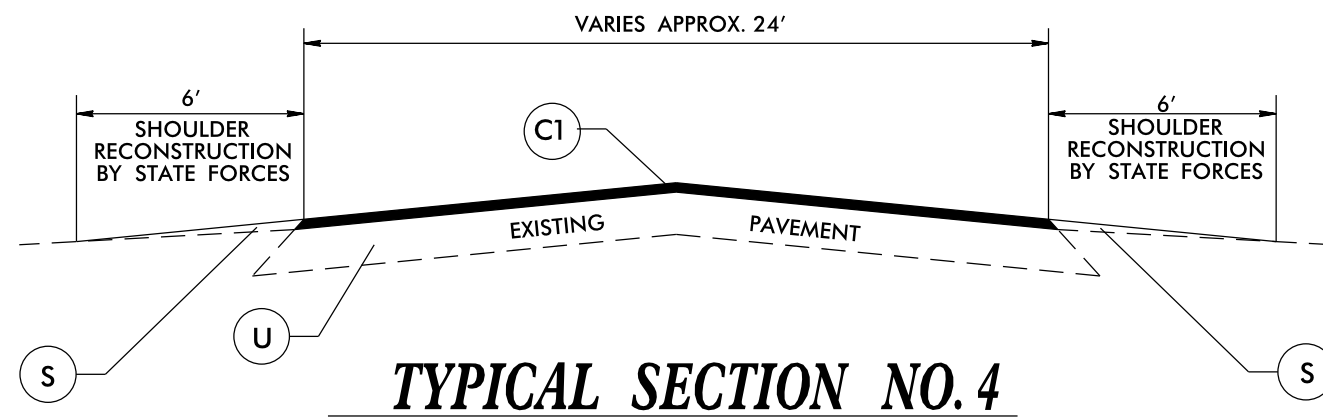
Map 12





PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 220 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
M	MILLED RUMBLE STRIPS
S	AGGREGATE SHOULDER BORROW (BY STATE FORCES)
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	MILLING 1.5" IN DEPTH

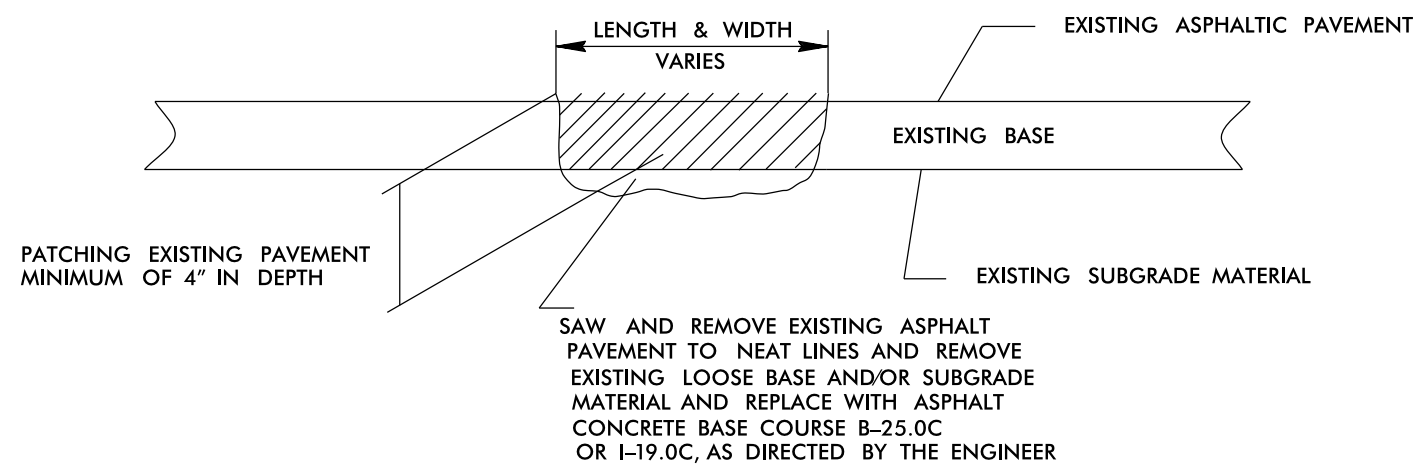
SHOULDER RECONSTRUCTION WILL BE HANDLED BY STATE FORCES.



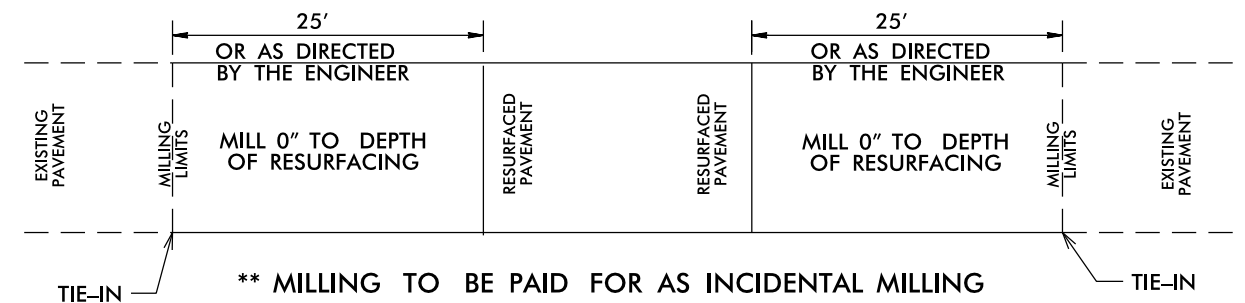
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 220 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
M	MILLED RUMBLE STRIPS
S	AGGREGATE SHOULDER BORROW (BY STATE FORCES)
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
V1	MILLING 1.5" IN DEPTH

SHOULDER RECONSTRUCTION WILL BE HANDLED BY STATE FORCES.

DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING



PAVEMENT TIE-IN DETAIL



PROJECT NOTES

- PAINT MARKINGS INCLUDED FOR MILLING ON MAPS 1-6.
- ONE COAT OF PAINT MARKINGS TO BE APPLIED ON MAPS 7-12. PERMANENT MARKINGS TO BE HANDLED ON A LATER PROJECT.

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.08.05.10531	18	
2023CPT.08.05.20531		

SUMMARY OF QUANTITIES

PROJECT NO	COUNT	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGT H		1297000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	1840000000-E	2830000000-N	2845000000-N	5255000000-N					
										MI	FT	1.5" MILLING SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	MILLED RUMBLE STRIPS LF	ADJUST MANHOLES EA	ADJUST METER OR VALVE BOX EA	PORTABLE LIGHTING LS					
2023CPT.08.05.10531	Lee	1	US 1 SBL	FROM BUS 421 (HORNER BLVD) TO END OF TAPER OF ON RAMP FROM SPRING LN	1	2	MD	NO	NO	1.03	48	23,534			2,174	130			10,877							
TOTAL FOR MAP NO. 1											1.03		23,534			2,174	130			10,877						
2023CPT.08.05.10531	Lee	2	US 1 BUS NBL	FROM SR 1420 (AMOS BRIDGES RD) TO US 1 BYPASS SBL	2,3	2	MU	NO	NO	0.16	35	970	3,030		370	22				1						
TOTAL FOR MAP NO. 2											0.16		970	3,030		370	22			1						
2023CPT.08.05.10531	Lee	3	US 15-501 NBL	FROM US 1 BYPASS SBL TO SR 1467 PERKINSON RD	2,3	2	MU	NO	NO	0.28	37	2,825	2,276		471	28										
TOTAL FOR MAP NO. 3											0.28		2,825	2,276		471	28									
2023CPT.08.05.10531	Lee	4	US 15-501 SBL	FROM SR 1467 (PERKINSON RD) TO US 1 BYPASS SBL	2,3	2	MU	NO	NO	0.28	36	3,280	6,520		905	54										
TOTAL FOR MAP NO. 4											0.28		3,280	6,520		905	54									
2023CPT.08.05.10531	Lee	5	US 1 BYPASS EXIT 71 SB ON RAMP	FROM US 15-501 TO US 1 BYPASS	2	1		NO	NO	0.2	24	3,145			265	16										
TOTAL FOR MAP NO. 5											0.2		3,145			265	16									
2023CPT.08.05.10531	Lee	6	US 1 BUS SBL	FROM US 1 BYPASS SBL TO SR 1420 (AMOS BRIDGES RD)	2,3	2	MU	NO	NO	0.14	36	965	965		244	15										
TOTAL FOR MAP NO. 6											0.14		965	965		244	15									
TOTAL FOR PROJ NO. 2023CPT.08.05.10531											2.09		34,719	12,791		4,429	265			10,877	1		1			
2023CPT.08.05.20531	Lee	7	SR 1007 (N PLANK RD)	FROM CHATHAM CO TO NC 42	5	2	2WU	NO	NO	3.46	22		245	5,403		376	300									
TOTAL FOR MAP NO. 7											3.46			245	5,403		376	300								
2023CPT.08.05.20531	Lee	8	SR 1464 (WOMACK RD)	FROM SR 1466 (DEEP RIVER RD) TO SR 1475 (OAK PARK RD)	4	2	2WU	NO	NO	0.93	24		265	1,584		112	125		1	1						
TOTAL FOR MAP NO. 8											0.93			265	1,584		112	125		1	1					
2023CPT.08.05.20531	Lee	9	SR 1479 (ELWIN BUCHANAN)	FROM SR 1466 (DEEP RIVER RD) TO SR 1476 (CLYDE RHYNE)	4	2	2WU	NO	NO	0.41	24		265	699		49	50									
TOTAL FOR MAP NO. 9											0.41			265	699		49	50								
2023CPT.08.05.20531	Lee	10	SR 1475 (OAK PARK RD)	FROM SR 1464 (WOMACK RD) TO RR TRACKS	4	2	2WU	NO	NO	0.28	24		275	383		28	50		1							
TOTAL FOR MAP NO. 10											0.28			275	383		28	50		1						
2023CPT.08.05.20531	Lee	11	SR 1476 (CLYDE RHYNE DR)	FROM SR 1464 (WOMACK RD) TO END OF STATE MAINT.	4	2	2WU	NO	NO	0.45	24		265	581		39			1	2						
TOTAL FOR MAP NO. 11											0.45			265	581		39			1	2					
2023CPT.08.05.20531	Lee	12	SR 1477 (REX MCLEOD DR)	FROM SR 1476 (CLYDE RHYNE DR) TO DEAD END	4	2	2WU	NO	NO	0.23	24		275	301		21	20									
TOTAL FOR MAP NO. 12											0.23			275	301		21	20								
TOTAL FOR PROJ NO. 2023CPT.08.05.20531											5.76			1,590	8,951		625	545		3	3					
GRAND TOTAL											7.85			34,719	14,381		8,951	4,429		890	545		10,877	4	3	1

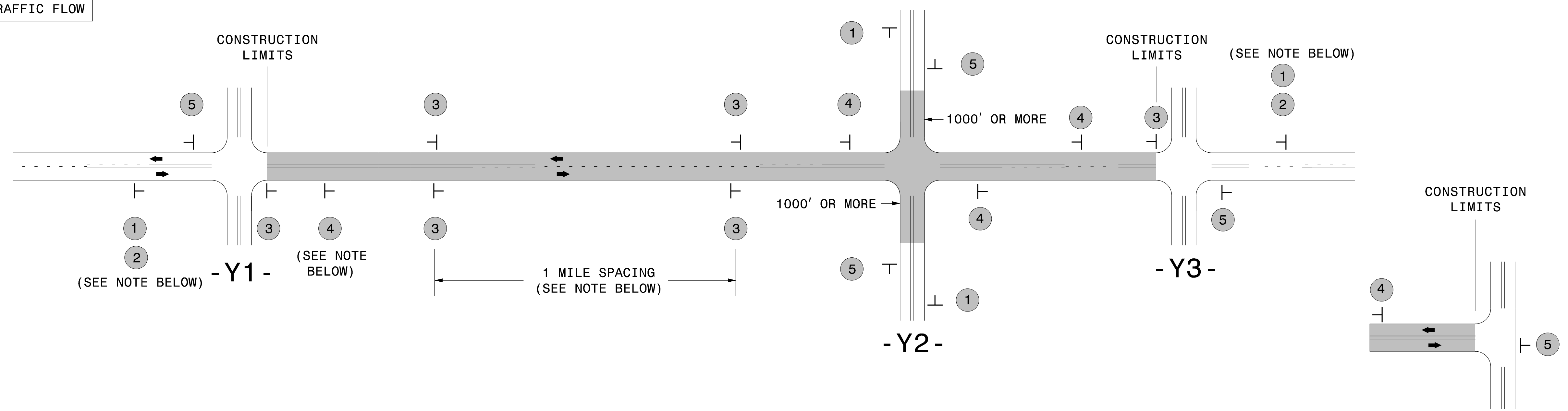
PROJECT NO.	TOTAL NO.
2023CPT.08.05.10531	20
2023CPT.08.05.20531	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	481000000-E		481500000-E		482000000-E		482500000-E		483500000-E	484000000-N	484500000-N			490510000-N						
										4" WHITE PAINT	4" YELLOW PAINT	6" YELLOW PAINT	6" WHITE PAINT	8" WHITE PAINT	8" YELLOW PAINT	12" WHITE PAINT	12" YELLOW PAINT	24" WHITE PAINT	PAINT MSG ONLY	PAINT MERGE ARROW	PAINT RT ARROW	PAINT YIELD LINE TRIANGLE	PAINT LT ARROW	PAINT STR ARROW	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER (C&R)				
								MI	FT	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA						
2023CPT.08.05.10531	Lee	1	US 1 SBL	FROM BUS 421 (HORNER BLVD) TO END OF TAPER OF ON RAMP FROM SPRING LN	1	2	MD	1.03	48			5,439	1,859			2,044		4	3	2			125						
TOTAL FOR MAP NO. 1												5,439	1,859			2,044		4	3	2			125						
2023CPT.08.05.10531	Lee	2	US 1 BUS NBL	FROM SR 1420 (AMOS BRIDGES RD) TO US 1 BYPASS SBL	2,3	2	MU	0.16	35	320	1,470			381	580		60		3	2	8		65						
TOTAL FOR MAP NO. 2												0.16		320	1,470			381	580		60		3	2	8		65		
2023CPT.08.05.10531	Lee	3	US 15-501 NBL	FROM US 1 BYPASS SBL TO SR 1467 PERKINSON RD	2,3	2	MU	0.28	37	1,629	1,344			580			78				8	2	2	65					
TOTAL FOR MAP NO. 3												0.28		1,629	1,344			580		78		8	2	2	65				
2023CPT.08.05.10531	Lee	4	US 15-501 SBL	FROM SR 1467 (PERKINSON RD) TO US 1 BYPASS SBL	2,3	2	MU	0.28	36	3,932	4,172			472			50				4	2	4	65					
TOTAL FOR MAP NO. 4												0.28		3,932	4,172			472		50		4	2	4	65				
2023CPT.08.05.10531	Lee	5	US 1 BYPASS EXIT 71 SB ON RAMP	FROM US 15-501 TO US 1 BYPASS	2	1		0.2	24	1,201	1,043								3				5						
TOTAL FOR MAP NO. 5												0.2		1,201	1,043					3				5					
2023CPT.08.05.10531	Lee	6	US 1 BUS SBL	FROM US 1 BYPASS SBL TO SR 1420 (AMOS BRIDGES RD)	2,3	2	MU	0.14	36	973	826			170			137				8	1	1	8					
TOTAL FOR MAP NO. 6												0.14		973	826			170		137		8	1	1	8				
TOTAL FOR PROJ NO. 2023CPT.08.05.10531												2.09		8,055	8,855	5,439	1,859	1,603	580	2,044	137	188	4	9	4	28	5	7	333
														16,910			7,298			2,183		2,181					53		
2023CPT.08.05.20531	Lee	7	SR 1007 (N PLANK RD)	FROM CHATHAM CO TO NC 42	5	2	2WU	3.46	22	37,230	22,836																		
TOTAL FOR MAP NO. 7												3.46		37,230	22,836														
2023CPT.08.05.20531	Lee	8	SR 1464 (WOMACK RD)	FROM SR 1466 (DEEP RIVER RD) TO SR 1475 (OAK PARK RD)	4	2	2WU	0.93	24	10,007	10,007						25												
TOTAL FOR MAP NO. 8												0.93		10,007	10,007			25											
2023CPT.08.05.20531	Lee	9	SR 1479 (ELWIN BUCHANAN)	FROM SR 1466 (DEEP RIVER RD) TO SR 1476 (CLYDE RHYNE)	4	2	2WU	0.41	24	4,412	4,412																		
TOTAL FOR MAP NO. 9												0.41		4,412	4,412														
2023CPT.08.05.20531	Lee	10	SR 1475 (OAK PARK RD)	FROM SR 1464 (WOMACK RD) TO RR TRACKS	4	2	2WU	0.28	24	3,013	3,013						25												
TOTAL FOR MAP NO. 10												0.28		3,013	3,013			25											
2023CPT.08.05.20531	Lee	11	SR 1476 (CLYDE RHYNE DR)	FROM SR 1464 (WOMACK RD) TO END OF STATE MAINT.	4	2	2WU	0.45	24	4,842	4,842						12												
TOTAL FOR MAP NO. 11												0.45		4,842	4,842			12											
2023CPT.08.05.20531	Lee	12	SR 1477 (REX MCLEOD DR)	FROM SR 1476 (CLYDE RHYNE DR) TO DEAD END	4	2	2WU	0.23	24	2,475	2,475																		
TOTAL FOR MAP NO. 12												0.23		2,475	2,475														
TOTAL FOR PROJ NO. 2023CPT.08.05.20531												5.76		61,979	47,585					62									
														109,564															
GRAND TOTAL												7.85		70,034	56,440	5,439	1,859	1,603	580	2,044	137	250	4	9	4	28	5	7	333
														126,474			7,298			2,183		2,181					53		

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.

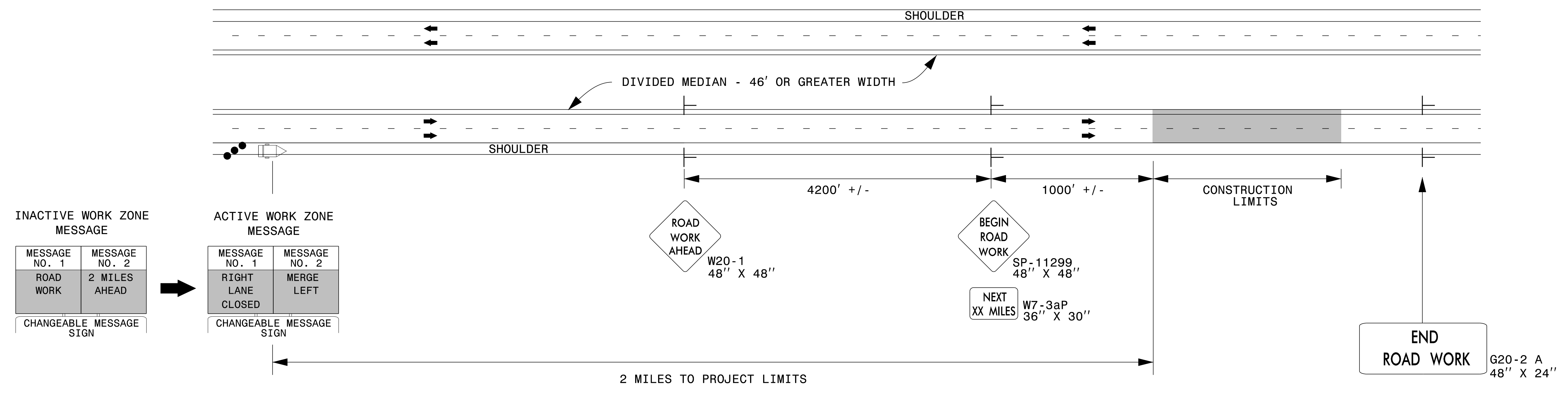
MAPS LESS THAN 2 MILES

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.

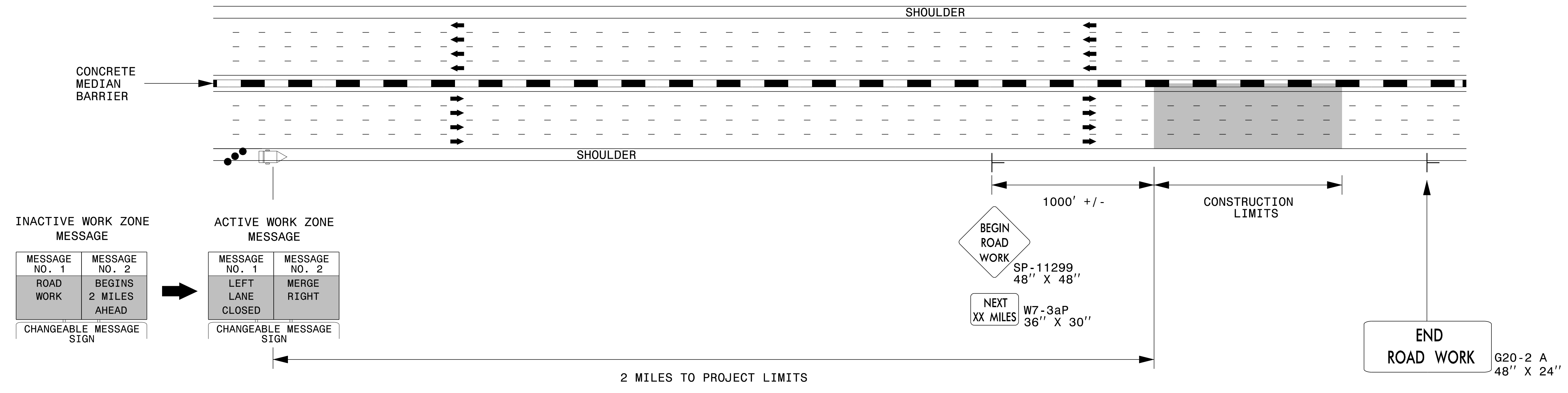


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

DIVIDED MEDIANS WITH WIDTHS 46' OR GREATER



DIVIDED MEDIANS WITH WIDTHS LESS THAN 46' OR WITH PERMANENT MEDIAN BARRIER

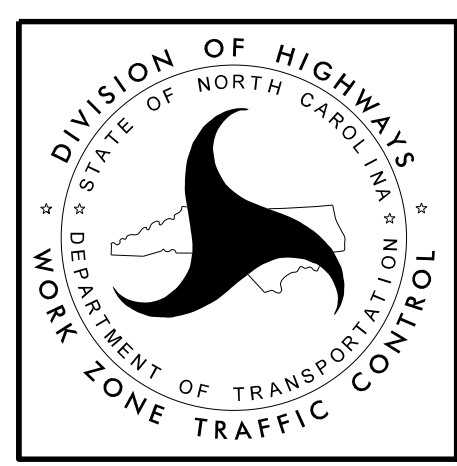


NOTES:

- 1) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 6' AS MEASURED FROM THE EDGE OF PAVEMENT.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) FOR MEDIAN WIDTHS LESS THAN 46' (MEASURED EDGELINE TO EDGELINE) USE THE BOTTOM DRAWING.
- 4) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 5) INSTALL "ROAD WORK AHEAD" (W20-1) ALONG ENTRANCE RAMP 500' PRIOR TO RAMP TERMINAL, AND "END ROAD WORK" (G20-2a) AT THE END OF EXIT RAMP WITHIN THE WORK ZONE.
- 6) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER AND WITH DIVIDED MEDIANS OF 46' OR GREATER. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

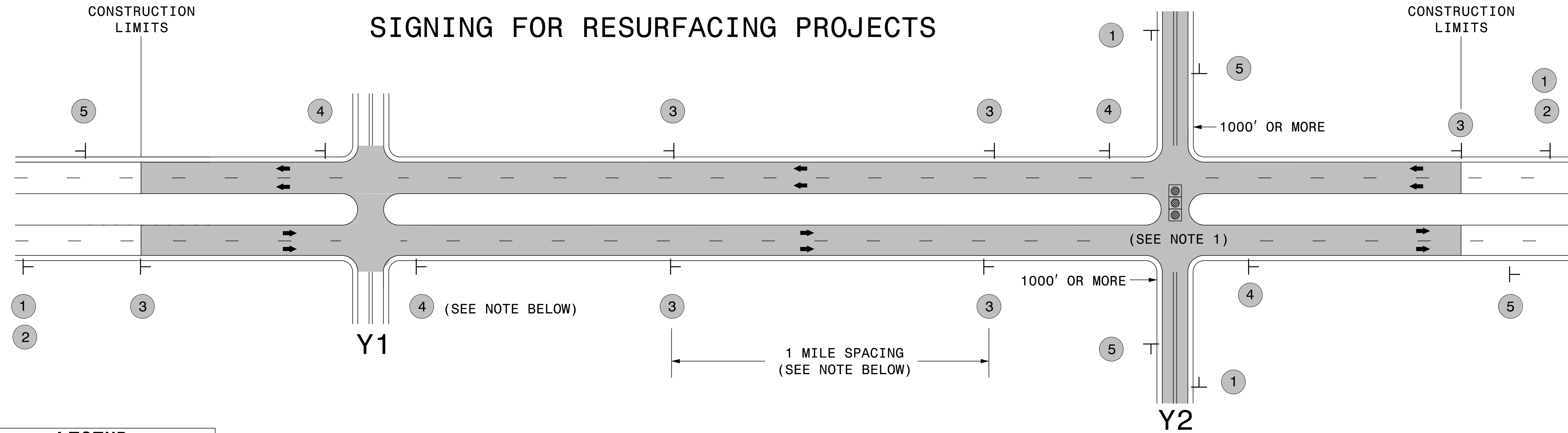
LEGEND

- CHANGEABLE MESSAGE SIGN (CMS)
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW
- TRAFFIC DRUM



**RESURFACING ADVANCE
WARNING SIGNS FOR
HIGH SPEED FACILITIES
≥ 60 MPH**

3/23/2015 C:\Users\rmgarrrett\Downloads\Resurfacing_AdvWarn_HSpd.dgn User:rmgarrrett



LEGEND	
┆	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<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, ADVANCE WARNING PORTABLE 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;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p>NOTES:</p> <ol style="list-style-type: none"> 1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	
		<p>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.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

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**RESURFACING
ADVANCE WARNING SIGNS
FOR RURAL AND SUBURBAN
MULTI-LANE ROADWAYS
W/ SHOULDER SECTIONS**