

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.10.08.20842	1	10

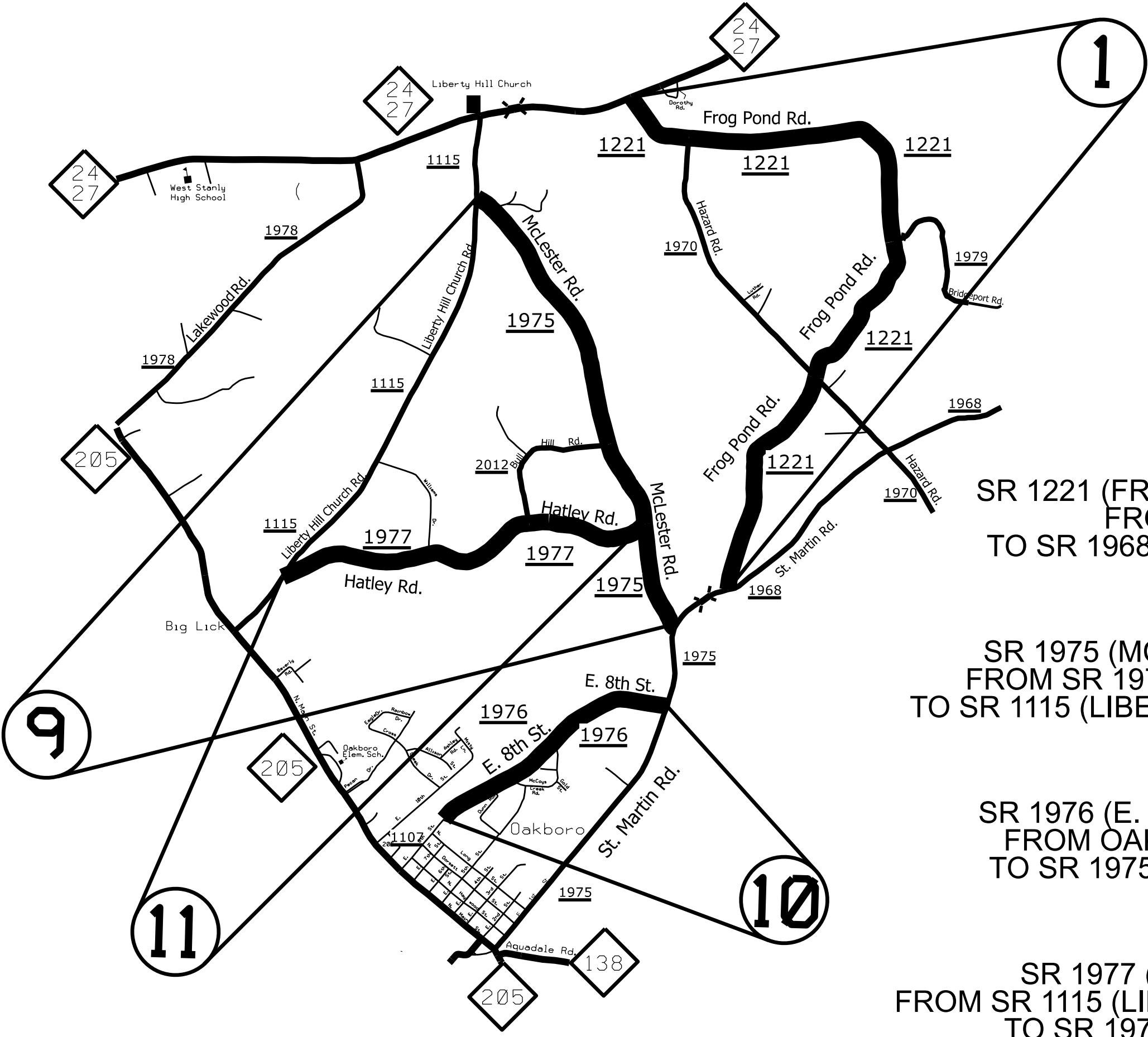
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	1803500000-E	1838000000-E	1838500000-N	2143000000-E	4413000000-E	4457000000-N
														ASPHALT SURFACE TREATMENT, DOUBLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	VACUUM TRUCK	BLOTTING SAND	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
														MI	FT				
														SY	GAL	WK	TON	SF	LS
2024CPT.10.08.20842	Stanly	1	SR-1221 / FROG POND RD (40001221084)	FROM NC 24/27 (MP 3.46) TO SR 1968 (ST. MARTIN ROAD) (MP .28)		2		NO	NO	3.18	20	3.46	0.28	36,226	19,925	0.60	0.50	384	0.18
TOTAL FOR MAP NO. 1										3.18				36,226	19,925	0.60	0.50	384	0.18
2024CPT.10.08.20842	Stanly	2	SR-1746 / CRUMP RD (40001746084)	FROM US 52 (MP 0.00) TO SR 1745 (BOWERS ROAD) (MP 0.98)		2		NO	NO	0.98	18	0	0.98	10,555	5,810	0.20	0.50	80	0.06
TOTAL FOR MAP NO. 2										0.98				10,555	5,810	0.20	0.50	80	0.06
2024CPT.10.08.20842	Stanly	3	SR-1772 / JONES RD (40001772084)	FROM SR 1766 (FORK ROAD) (MP 0.00) TO END OF MAINTENANCE (MP 0.69)		2		NO	NO	0.69	18	0	0.69	7,515	4,135	0.20	0.50	80	0.04
TOTAL FOR MAP NO. 3										0.69				7,515	4,135	0.20	0.50	80	0.04
2024CPT.10.08.20842	Stanly	4	SR-1773 / SHANKLE RD (40001773084)	FROM SR 1766 (FORK ROAD) (MP 0.00) TO END OF MAINTENANCE (MP 1.02)		2		NO	NO	1.02	18	0	1.02	11,059	6,085	0.20	0.50	80	0.06
TOTAL FOR MAP NO. 4										1.02				11,059	6,085	0.20	0.50	80	0.06
2024CPT.10.08.20842	Stanly	5	SR-1808 / LIENBY RD (40001808084)	FROM SR 1766 (FORK ROAD) (MP 0.00) TO DEAD END (MP 0.59)		2		NO	NO	0.59	18	0	0.59	6,322	3,480	0.20	0.50	80	0.03
TOTAL FOR MAP NO. 5										0.59				6,322	3,480	0.20	0.50	80	0.03
2024CPT.10.08.20842	Stanly	6	SR-1821 / DEER HAVEN DR (40001821084)	FROM US 52 (MP 0.00) TO DEAD END (MP 0.33)		2		NO	NO	0.33	18	0	0.33	4,256	2,345	0.20	0.50	80	0.02
TOTAL FOR MAP NO. 6										0.33				4,256	2,345	0.20	0.50	80	0.02
2024CPT.10.08.20842	Stanly	7	SR-1938 / ALLEN-LEE RD (40001938084)	FROM SR 1923 (OLD COTTONVILLE ROAD) (MP 0.00) TO END OF MAINTENANCE (MP 0.68)		2		NO	NO	0.68	19	0	0.68	7,709	4,240	0.20	0.50	80	0.04
TOTAL FOR MAP NO. 7										0.68				7,709	4,240	0.20	0.50	80	0.04
2024CPT.10.08.20842	Stanly	8	SR-1973 / RICHARD-SANDY RD (40001973084)	FROM NC 138 (MP 0.00) TO NC 742 (MP 3.59)		2		NO	NO	3.59	20	0	3.59	42,965	23,635	0.60	0.50	432	0.20
TOTAL FOR MAP NO. 8										3.59				42,965	23,635	0.60	0.50	432	0.20
2024CPT.10.08.20842	Stanly	9	SR-1975 / MCLESTER ROAD (40001975084)	FROM SR 1975 (ST. MARTIN ROAD) (MP 1.55) TO SR 1115 (LIBERTY HILL CHURCH ROAD) (MP 3.54)		2		NO	NO	1.99	18	1.55	3.54	21,436	11,790	0.40	0.50	144	0.11
TOTAL FOR MAP NO. 9										1.99				21,436	11,790	0.40	0.50	144	0.11
2024CPT.10.08.20842	Stanly	10	SR-1976 / E EIGHTH ST (40001976084)	FROM OAKBORO CITY LIMITS (MP 0.00) TO SR 1975 (ST. MARTIN ROAD) (MP 1.08)		2		NO	NO	1.08	18	0	1.08	11,842	6,515	0.20	0.50	80	0.06
TOTAL FOR MAP NO. 10										1.08				11,842	6,515	0.20	0.50	80	0.06
2024CPT.10.08.20842	Stanly	11	SR-1977 / HATLEY RD (40001977084)	FROM SR 1115 (LIBERTY HILL CHURCH ROAD) (MP 0.00) TO SR 1975 (MCLESTER ROAD) (MP 1.58)		2		NO	NO	1.58	20	0	1.58	18,911	10,405	0.20	0.50	144	0.09
TOTAL FOR MAP NO. 11										1.58				18,911	10,405	0.20	0.50	144	0.09
2024CPT.10.08.20842	Stanly	12	SR-1983 / KIMBERLY LN (40001983084)	FROM SR 1923 (OLD COTTONVILLE ROAD) (MP 0.00) TO END OF MAINTENANCE (MP 0.77)		2		NO	NO	0.77	20	0	0.77	9,196	5,060	0.20	0.50	80	0.04
TOTAL FOR MAP NO. 12										0.77				9,196	5,060	0.20	0.50	80	0.04
2024CPT.10.08.20842	Stanly	13	SR-1992 / HERRING RD (40001992084)	FROM SR 1922 (S. STANLY SCHOOL ROAD) (MP 0.00) TO SR 1923 (OLD COTTONVILLE ROAD) (MP 0.74)		2		NO	NO	0.74	20	0	0.74	8,385	4,615	0.20	0.50	80	0.04
TOTAL FOR MAP NO. 13										0.74				8,385	4,615	0.20	0.50	80	0.04
2024CPT.10.08.20842	Stanly	14	SR-1993 / HORNE RD (40001993084)	FROM SR 1922 (S. STANLY SCHOOL ROAD) (MP 0.00) TO END OF MAINTENANCE (MP 0.59)		2		NO	NO	0.59	18	0	0.59	6,355	3,500	0.20	0.50	80	0.03
TOTAL FOR MAP NO. 14										0.59				6,355	3,500	0.20	0.50	80	0.03
TOTAL FOR PROJ NO. 2024CPT.10.08.20842										17.81		5.01	16.46	202,732	111,540	3.80	7.00	1904	1.00
GRAND TOTAL										17.81		5.01	16.46	202,732	111,540	3.80	7.00	1904	1.00

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.20842	2	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
STANLY COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



MAP # 1
 SR 1221 (FROG POND ROAD) 3.18 MILES
 FROM NC 24/27 (MP 3.46)
 TO SR 1968 (ST. MARTIN ROAD) (MP 0.28)

MAP # 9
 SR 1975 (MCLESTER ROAD) 1.99 MILES
 FROM SR 1975 (ST. MARTIN ROAD) (MP 1.55)
 TO SR 1115 (LIBERTY HILL CHURCH ROAD) (MP 3.54)

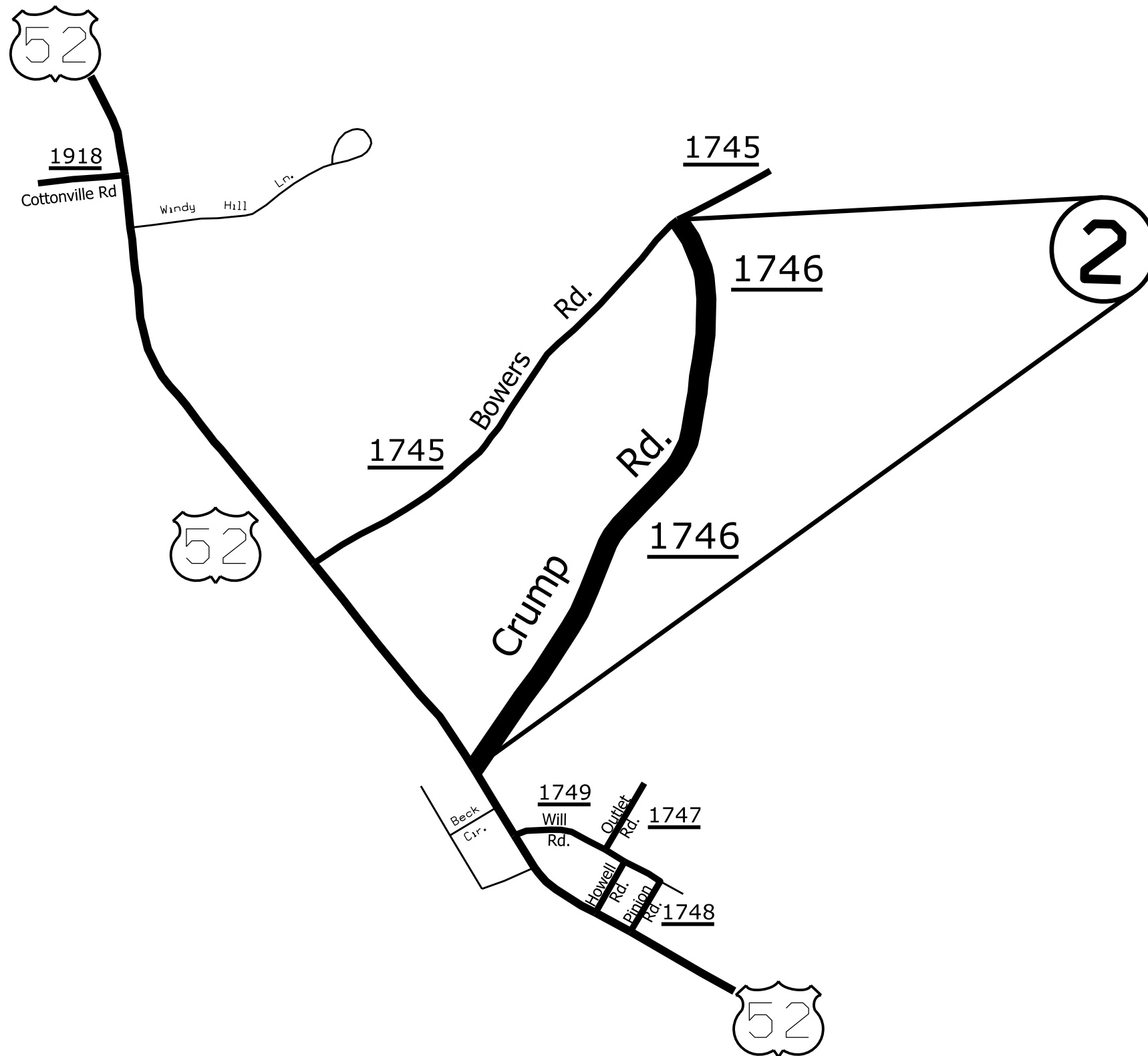
MAP # 10
 SR 1976 (E. EIGHTH STREET) 1.08 MILES
 FROM OAKBORO CITY LIMITS (MP 0.00)
 TO SR 1975 (ST. MARTIN ROAD) (MP 1.08)

MAP # 11
 SR 1977 (HATLEY ROAD) 1.58 MILES
 FROM SR 1115 (LIBERTY HILL CHURCH ROAD) (MP 0.00)
 TO SR 1975 (MCLESTER ROAD) (MP 1.58)

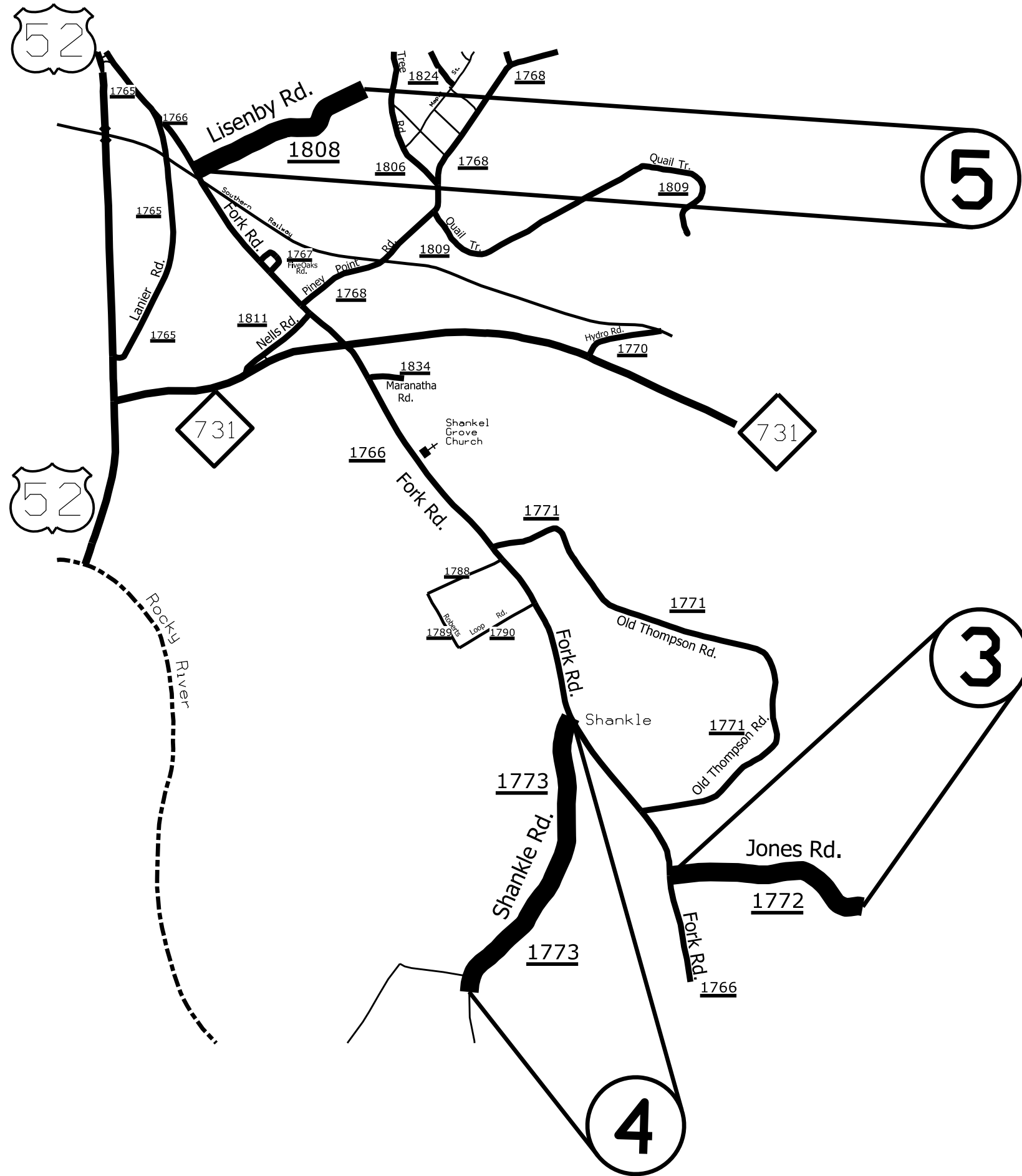
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.20842	3	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
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MAP # 2
 SR 1746 (CRUMP ROAD) 0.98 MILES
 FROM US 52 (MP 0.00)
 TO SR 1745 (BOWERS ROAD) (MP 0.98)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.20842	4	10
F.A. PROJECT NO.			



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MAP # 3
 SR 1772 (JONES ROAD) 0.69 MILES
 FROM SR 1766 (FORK ROAD) (MP 0.00)
 TO END OF MAINTENANCE (MP 0.69)

MAP # 4
 SR 1773 (SHANKLE ROAD) 1.02 MILES
 FROM SR 1766 (FORK ROAD) (MP 0.00)
 TO END OF MAINTENANCE (MP 1.02)

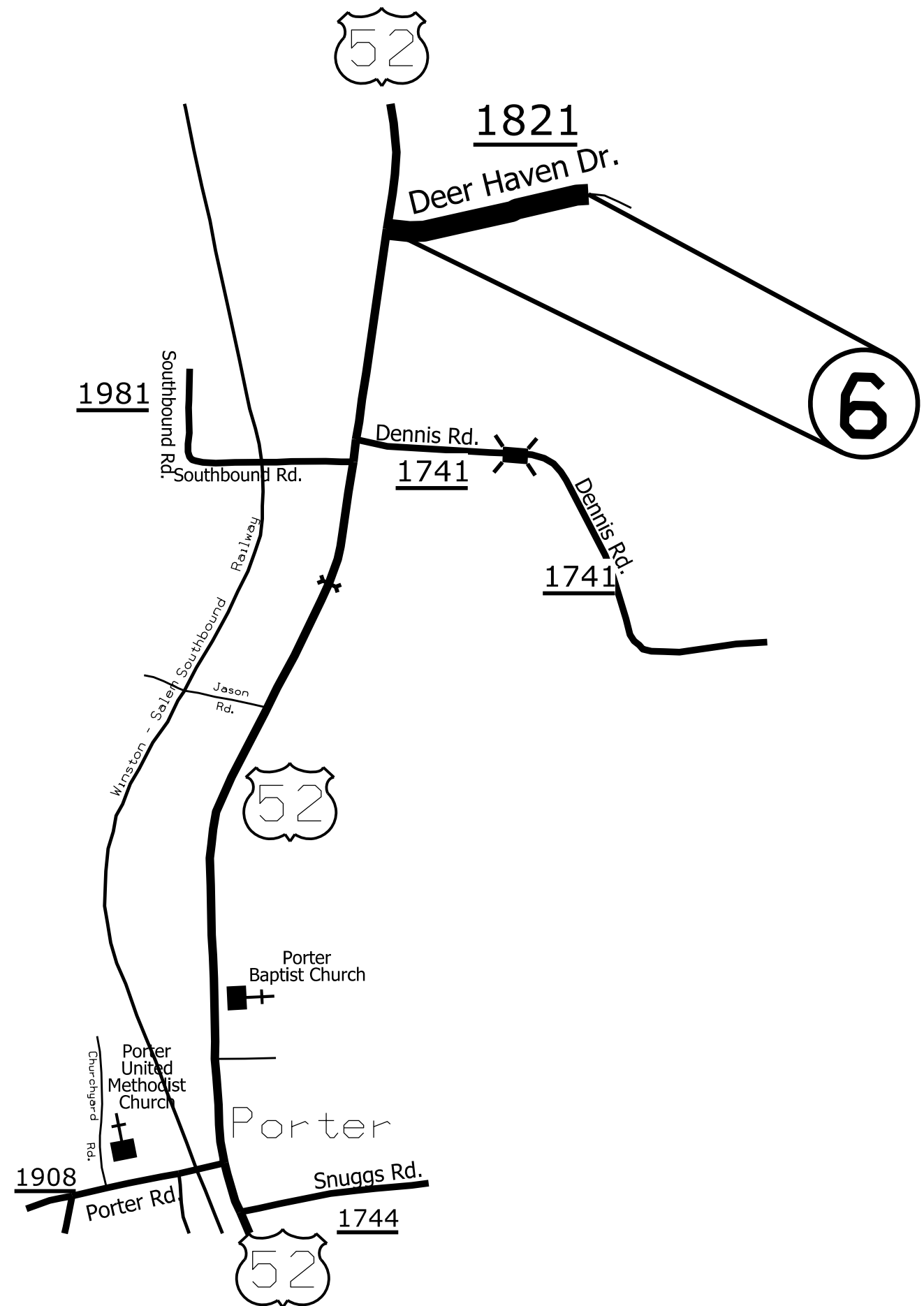
MAP # 5
 SR 1808 (LISENBY ROAD) 0.59 MILES
 FROM SR 1766 (FORK ROAD) (MP 0.00)
 TO DEAD END (MP 0.59)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.20842	5	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
STANLY COUNTY
 NORTH CAROLINA
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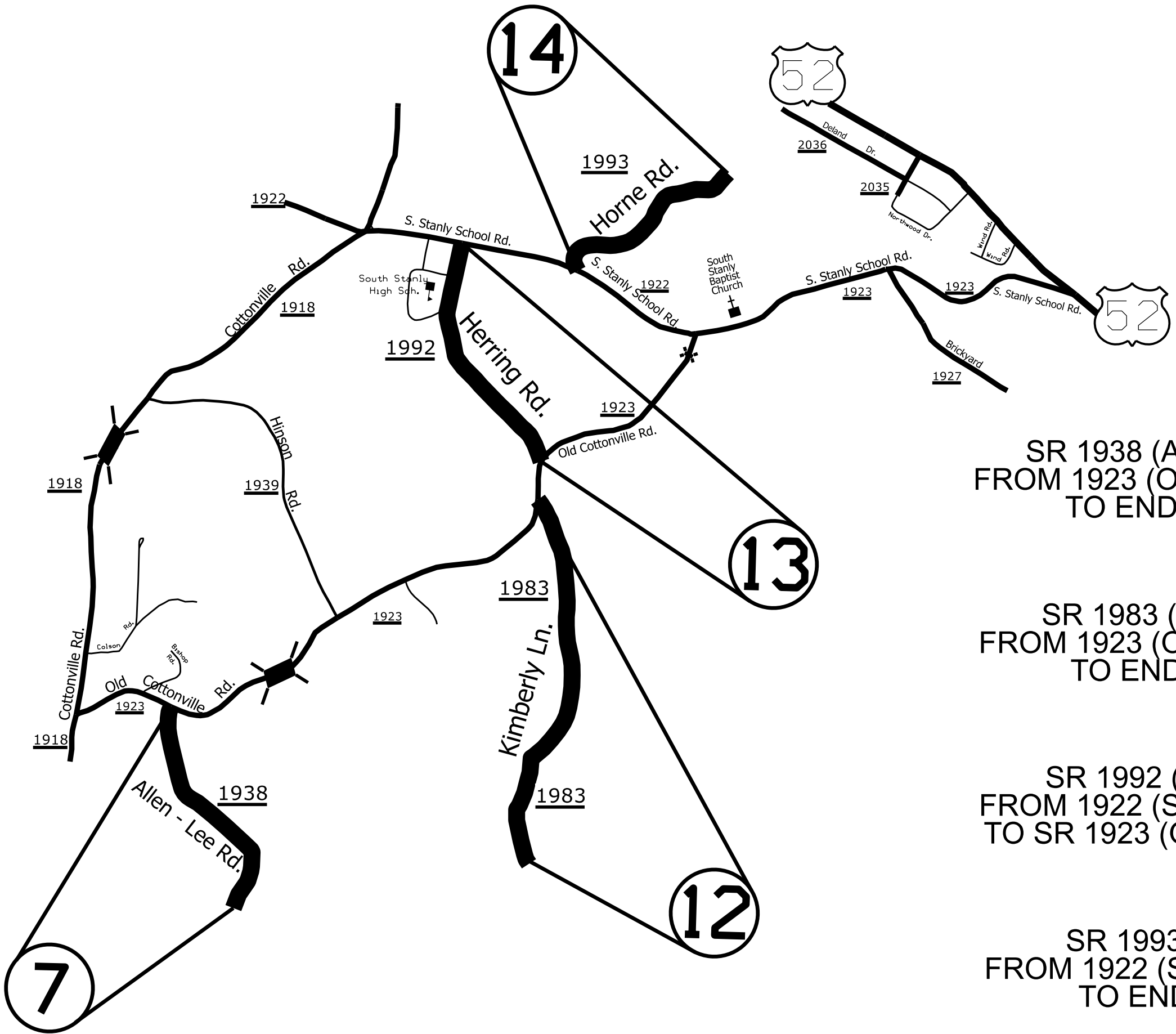
MAP # 6
 SR 1821 (DEER HAVEN DRIVE) 0.33 MILES
 FROM US 52 (MP 0.00)
 TO DEAD END (MP 0.33)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.20842	6	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
STANLY COUNTY
 NORTH CAROLINA
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 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



MAP # 7
 SR 1938 (ALLEN-LEE ROAD) 0.68 MILES
 FROM 1923 (OLD COTTONVILLE ROAD) (MP 0.00)
 TO END OF MAINTENANCE (MP 0.68)

MAP # 12
 SR 1983 (KIMBERLY LANE) 0.77 MILES
 FROM 1923 (OLD COTTONVILLE ROAD) (MP 0.00)
 TO END OF MAINTENANCE (MP 0.77)

MAP # 13
 SR 1992 (HERRING ROAD) 0.74 MILES
 FROM 1922 (S. STANLY SCHOOL ROAD) (MP 0.00)
 TO SR 1923 (OLD COTTONVILLE ROAD) (MP 0.74)

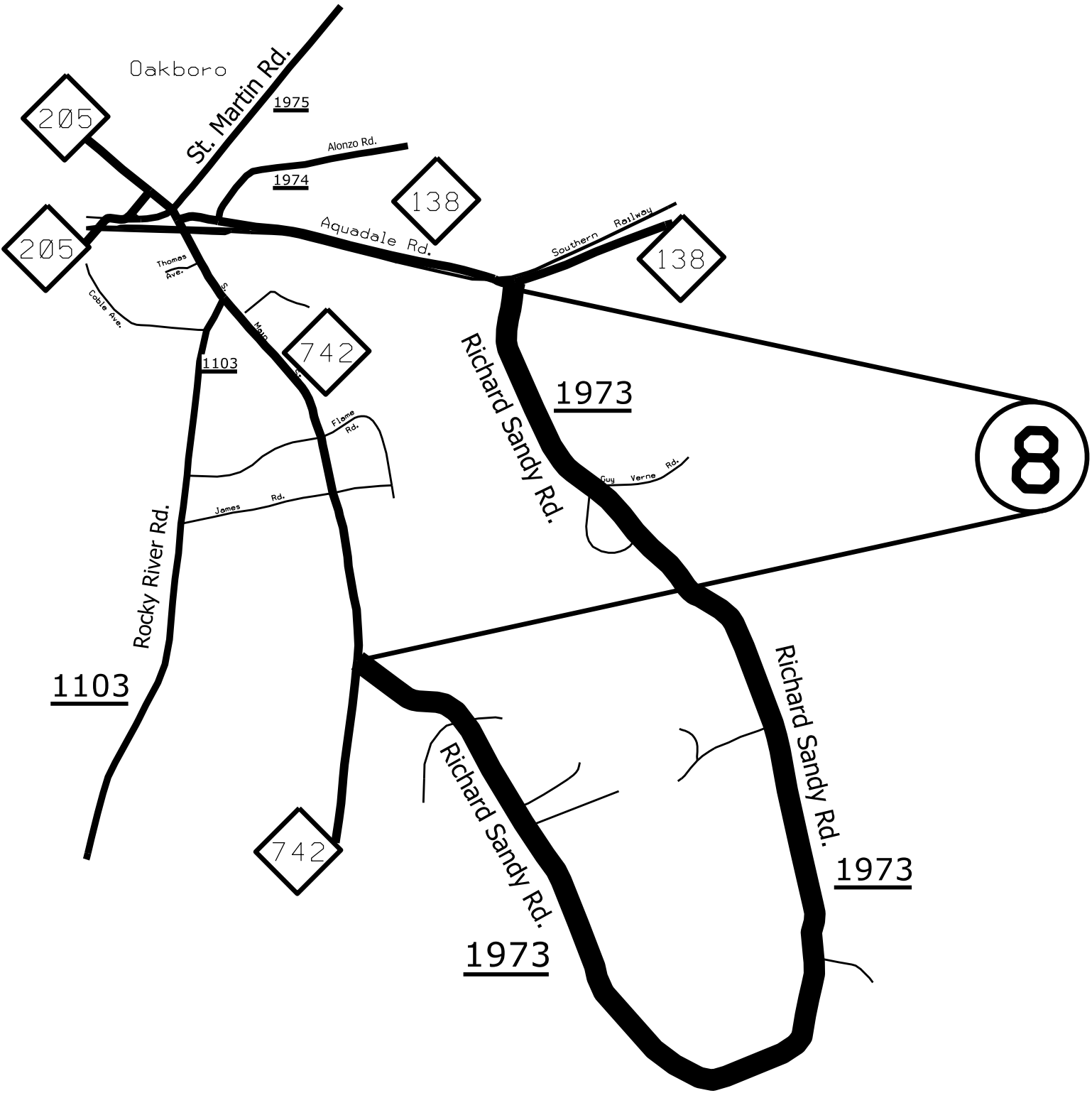
MAP # 14
 SR 1993 (HORNE ROAD) 0.59 MILES
 FROM 1922 (S. STANLY SCHOOL ROAD) (MP 0.00)
 TO END OF MAINTENANCE (MP 0.59)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.20842	7	10
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
STANLY COUNTY
 NORTH CAROLINA

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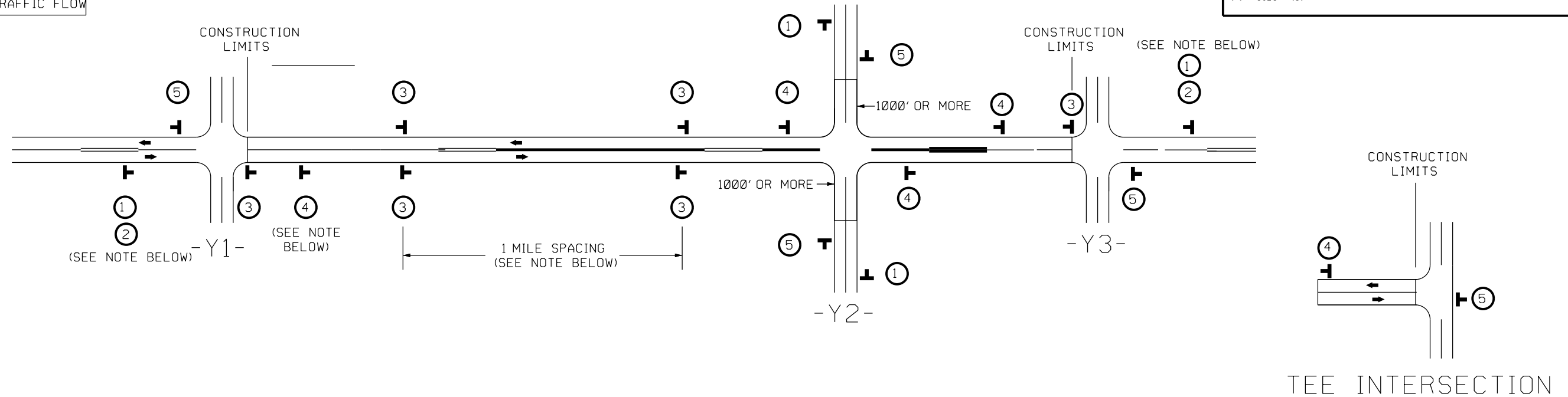


MAP # 8
 SR 1973 (RICHARD SANDY ROAD) 3.59 MILES
 FROM NC 138 (MP 0.00)
 TO NC 742 (MP 3.59)

SIGNING FOR ASPHALT SURFACE TREATMENT

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.20842	8	10
F.A. PROJECT NO.			

LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW

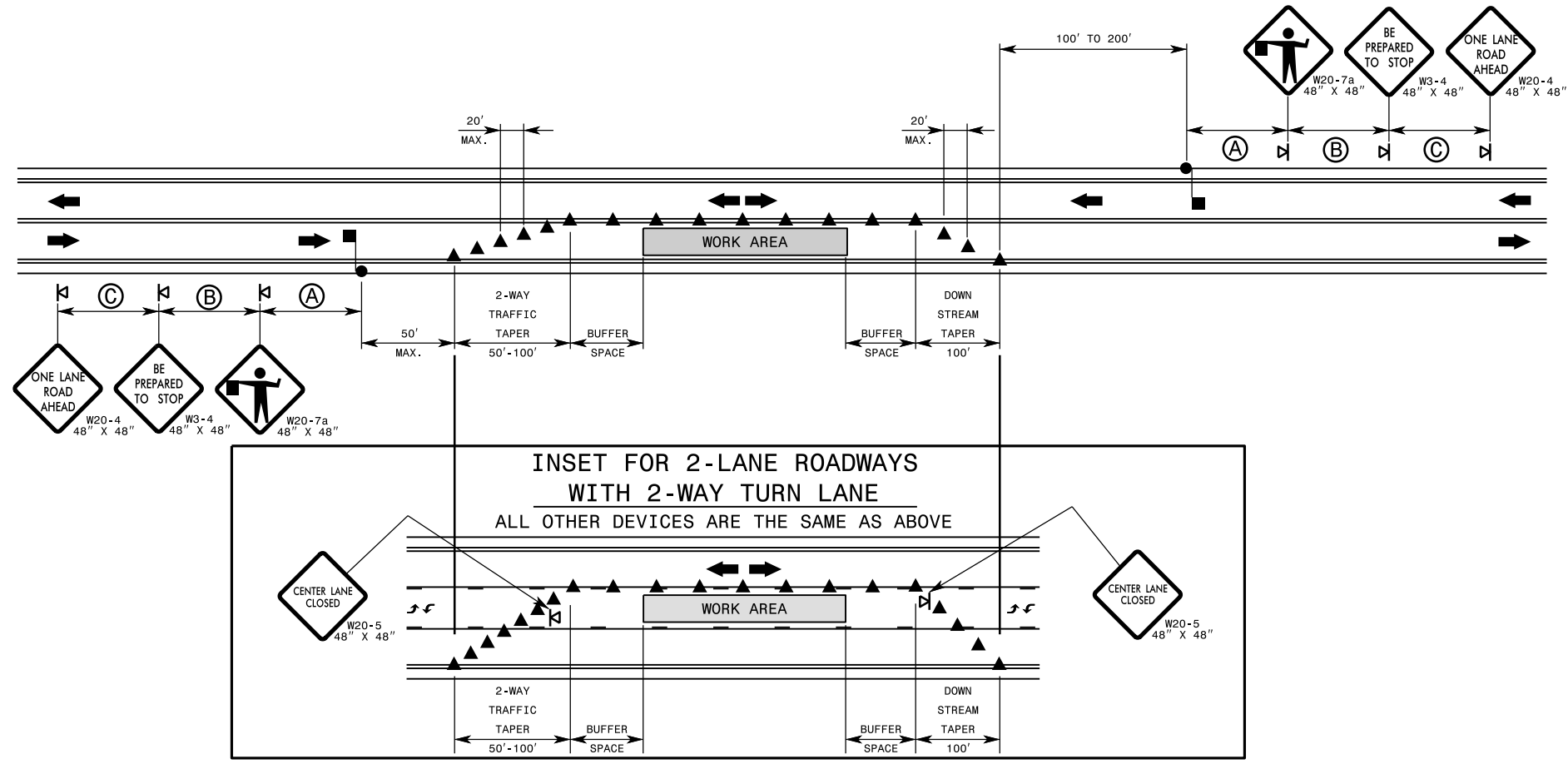


MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<p>① ROAD WORK AHEAD W20-1 48" X 48"</p> <p>② NEXT XX MILE W7-3aP 24" X 18"</p> <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 CONSTRUCTION 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, 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>
	<p>③ LOOSE GRAVEL W8-7 48" X 48"</p> <p> UNMARKED PAVEMENT SP 48" X 48"</p> <p>- ALTERNATE THE FOLLOWING TWO SIGNS:</p> <p>- STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT"</p> <p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	
	<p>④ ROAD UNDER CONST SP 13106 48" X 48"</p> <p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</p> <p>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- 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.</p> <p>- 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>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</p>	
	<p>⑤ END ROAD WORK G20-2 A 48" X 24"</p> <p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	
	<p>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.</p>	
<p>MAPS LESS THAN 2 MILES</p>	<p>FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.</p>	

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



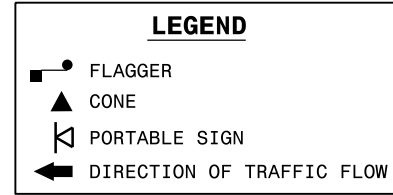
GENERAL NOTES FOR FLAGGING OPERATIONS

- 1- REFER TO RSD. 1101.11, SHEETS 1 & 4, FOR "L" DISTANCE AND SIGN SPACING.
- 2- INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC.
- 3- REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- 4- PLACE CONES THRU THE WORK AREA AT THE MAXIMUM SPACING EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- 5- EXTEND LANE CLOSURES AT THE BUFFER SPACE SUCH THAT STOPPING SIGHT DISTANCE IS PROVIDED TO THE FLAGGER (REFER TO RSD. 1101.11, SHEET 2).
- 6- DO NOT STOP TRAFFIC IN ANY ONE DIRECTION FOR MORE THAN 5 MINUTES AT A TIME.
- 7- DRUMS OR SKINNY DRUMS MAY BE USED IN LIEU OF CONES. REFER TO RSD. 1180.01 FOR SKINNY DRUM REQUIREMENTS.
- 8- USE FLAGGERS TO CONTROL TRAFFIC AT INTERSECTIONS AFFECTED BY THE LANE CLOSURE. SUPPLEMENT FLAGGERS LOCATED AT INTERSECTIONS WITH FLAGGER AHEAD SIGNS (W20-7a) PLACED APPROXIMATELY 250 FT. IN ADVANCE OF THE FLAGGER. FOR SIGNALIZED INTERSECTIONS PLACE SIGNALS IN THE FLASH MODE AND USE LAW ENFORCEMENT.
- 9- REFER TO THE CURRENT MUTCD FOR FLAGGER CONTROL, REQUIREMENTS, AND PROCEDURES.
- 10- DO NOT EXCEED A 1 MILE LANE CLOSURE LENGTH UNLESS OTHERWISE SHOWN IN THE TMP OR AS DIRECTED BY THE ENGINEER.

- 11- IF VEHICLE QUEUES WILL REACH WITHIN 15' OF EITHER SIDE OF ACTIVE RAILROAD TRACKS, PROVIDE A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER TO PREVENT VEHICLES FROM STOPPING WITHIN THE GRADE CROSSING. PROVIDE OFFICER OR FLAGGER EVEN IF AUTOMATIC WARNING MEASURES ALREADY EXIST.

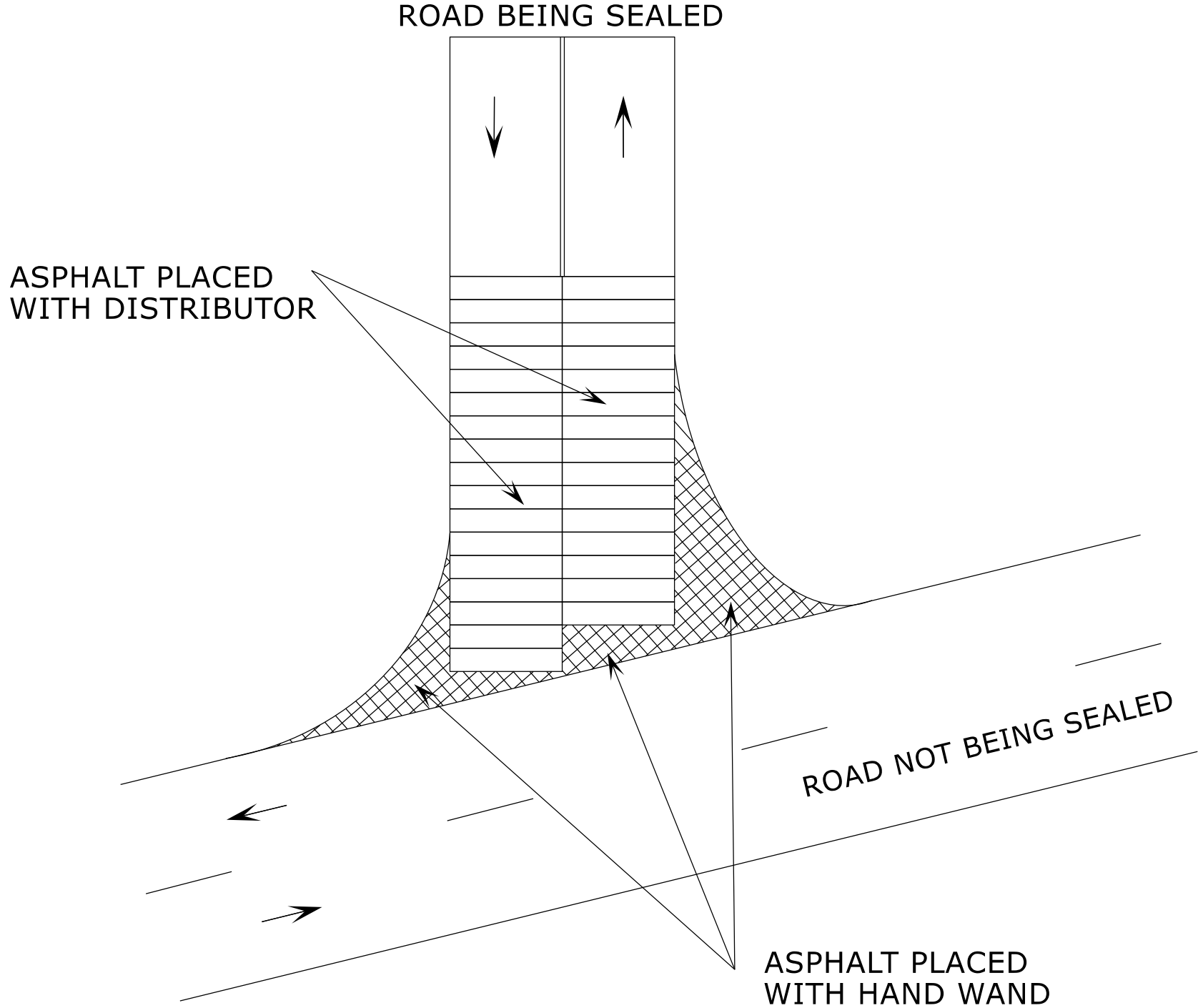
GENERAL NOTES FOR PILOT CAR OPERATIONS

- 1- USE PILOT CARS WHEN DIRECTED BY THE ENGINEER.
- 2- IF ROADWAY WIDTH IS LESS THAN 22 FEET (EOP TO EOP), CONES MAY NOT BE REQUIRED ALONG WORK AREA, AND AT THE DISCRETION OF THE ENGINEER, CONES MAY BE OMITTED ALONG THE WORK AREA IF USING A PILOT CAR.
- 3- CONES ARE ALWAYS REQUIRED IN THE UPSTREAM AND DOWNSTREAM TAPERS.
- 4- MOUNT SIGN G20-4 "PILOT CAR FOLLOW ME" AT A CONSPICUOUS POSITION ON THE REAR OF THE PILOT VEHICLE.
- 5- DO NOT INSTALL MORE THAN ONE (1) MILE OF LANE CLOSURE, MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- 6- ADVISE RESIDENTS AND BUSINESSES WITHIN THE LANE CLOSURE LIMITS ABOUT METHODS OF SAFE EGRESS AND INGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT CAR OPERATIONS.



INTERSECTION EMULSION PLACEMENT TWO LANE TWO WAY ROADWAY

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.08.20842	10	10
F.A. PROJECT NO.			



LEGEND

- ➔ DIRECTION OF TRAFFIC FLOW
- SKIP LINES
- == DOUBLE YELLOW LINES