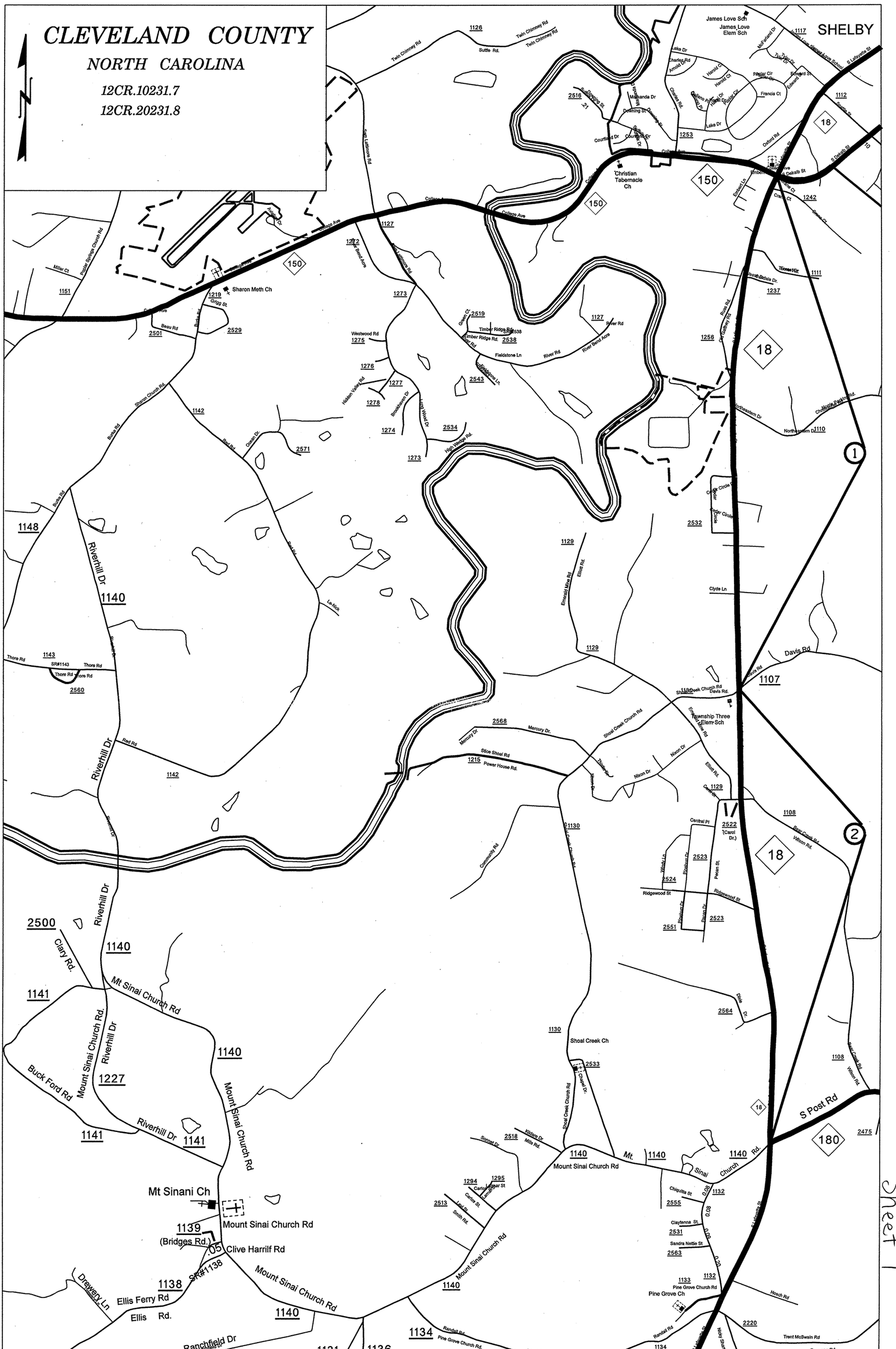

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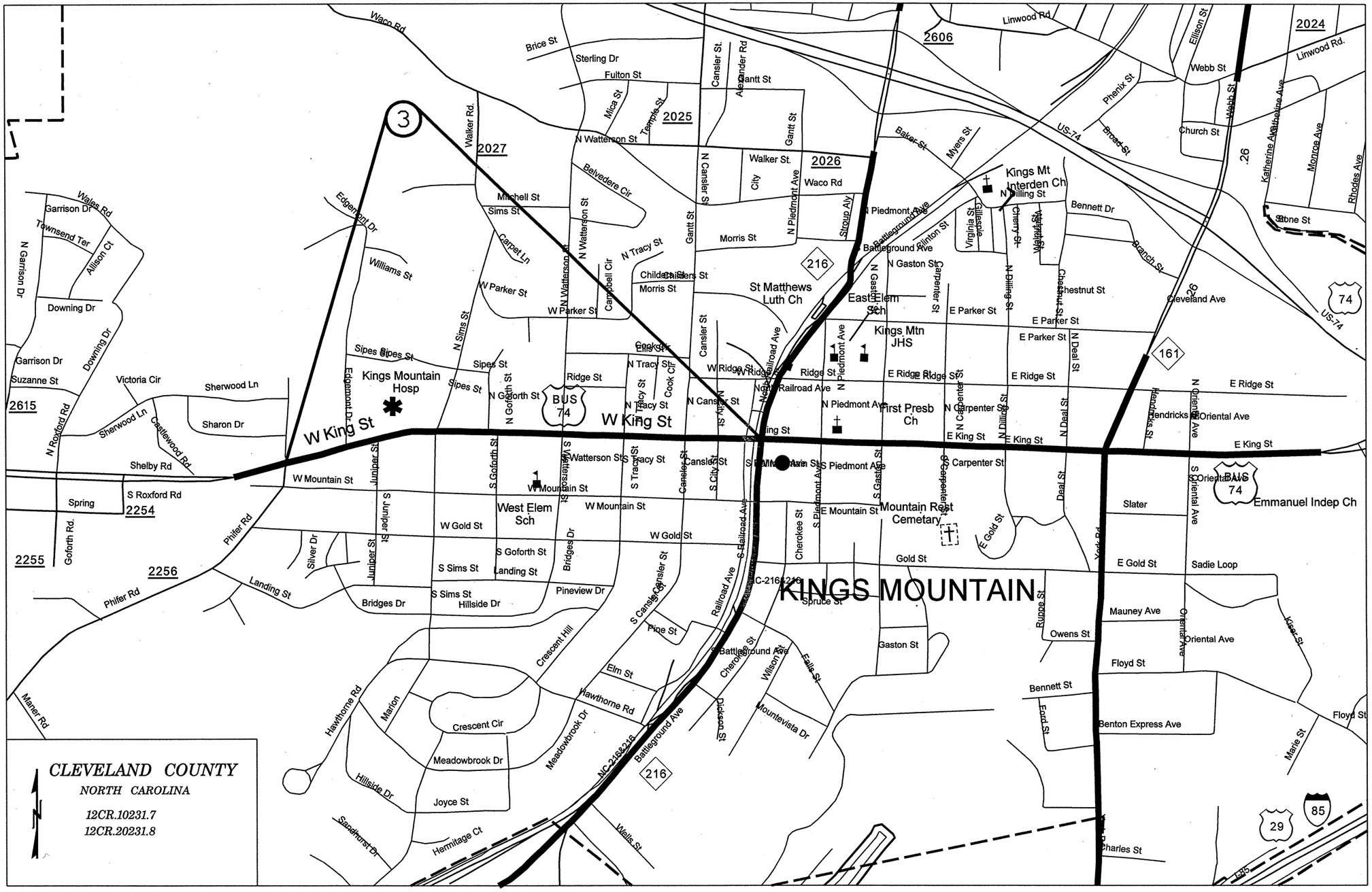
Sheet 2



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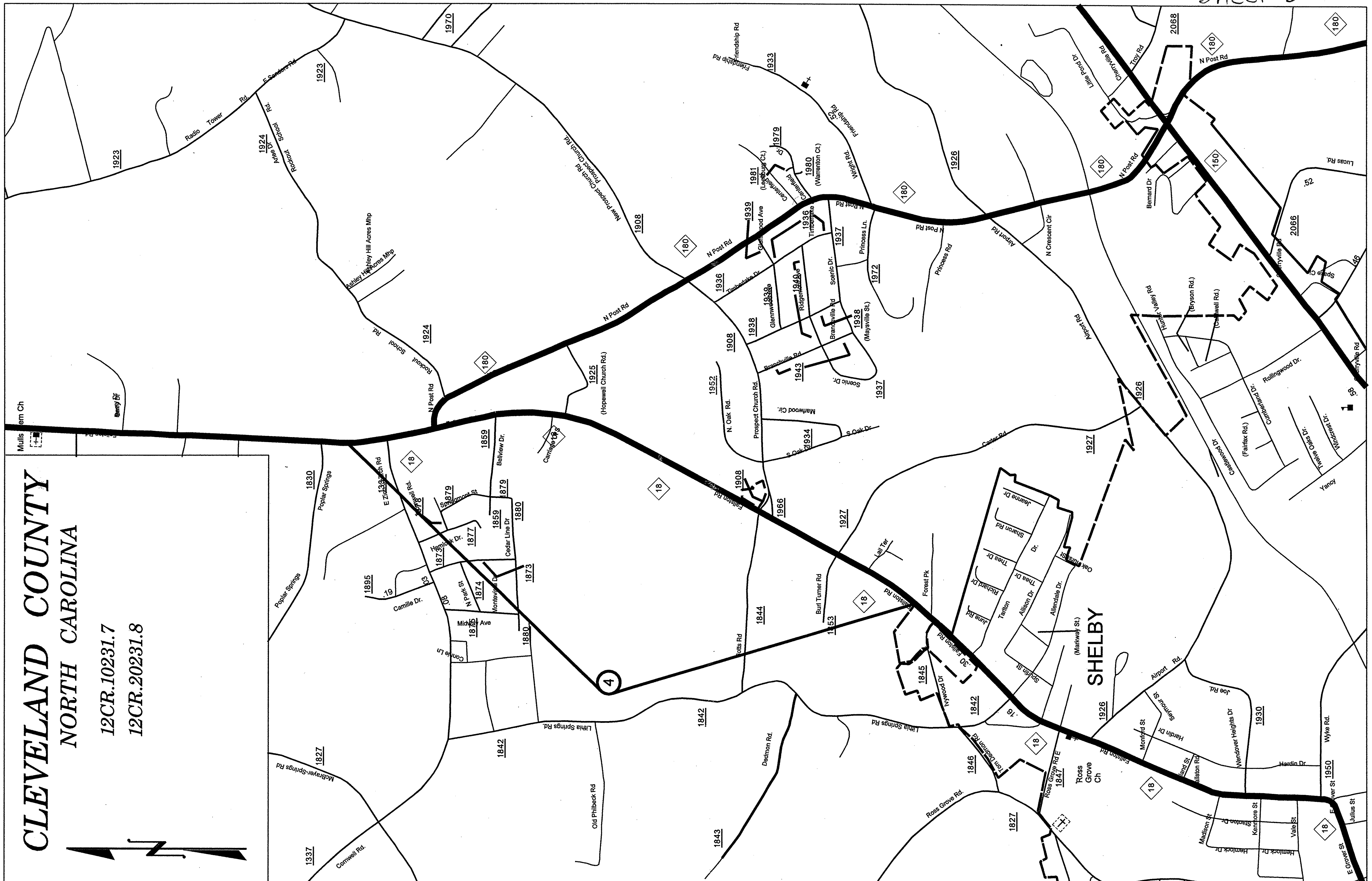
Sheet 3



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Sheet 4

CLEVELAND COUNTY

NORTH CAROLINA

12CR.10231.7

12CR.20231.8

SHELBY

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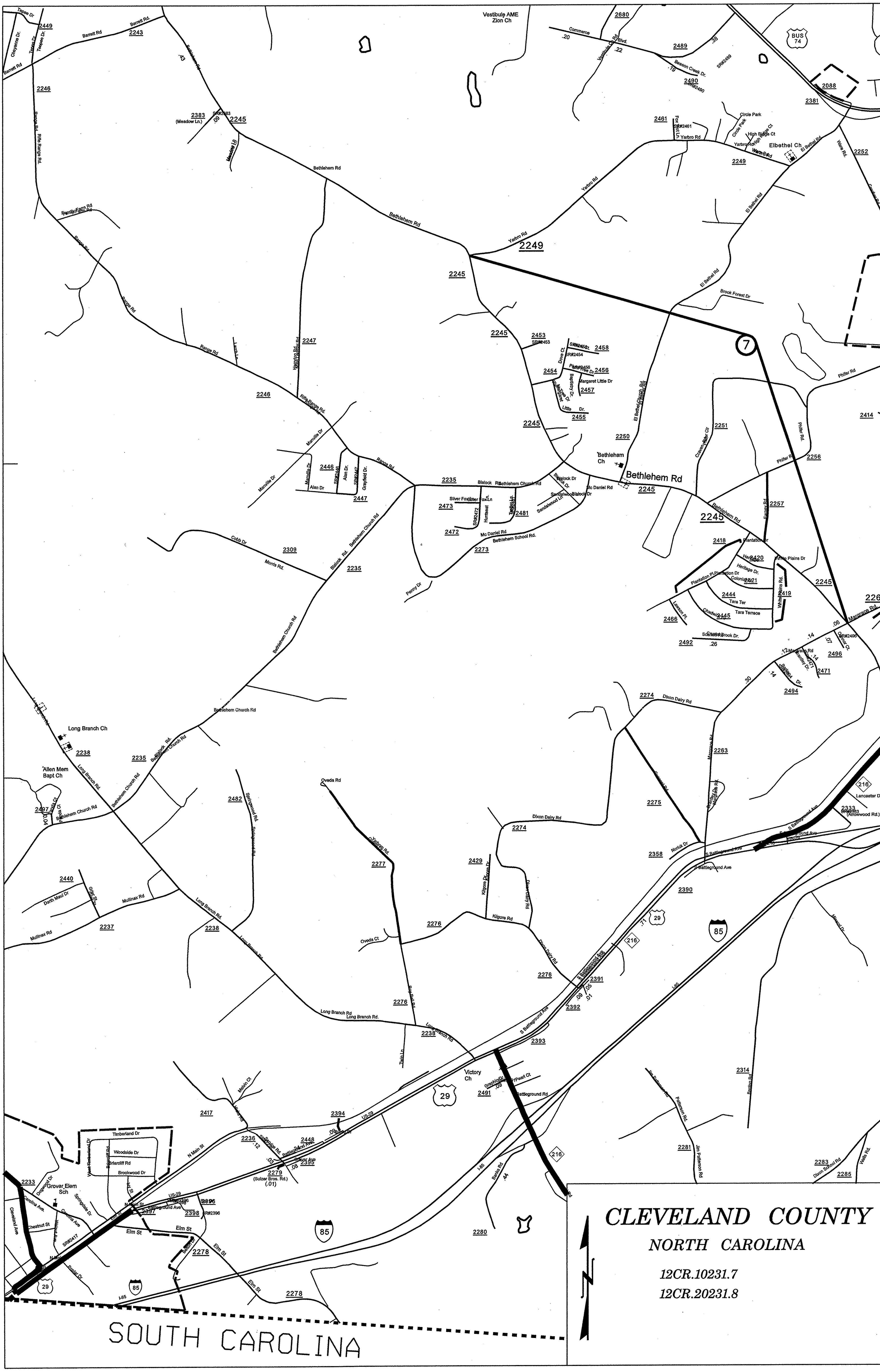
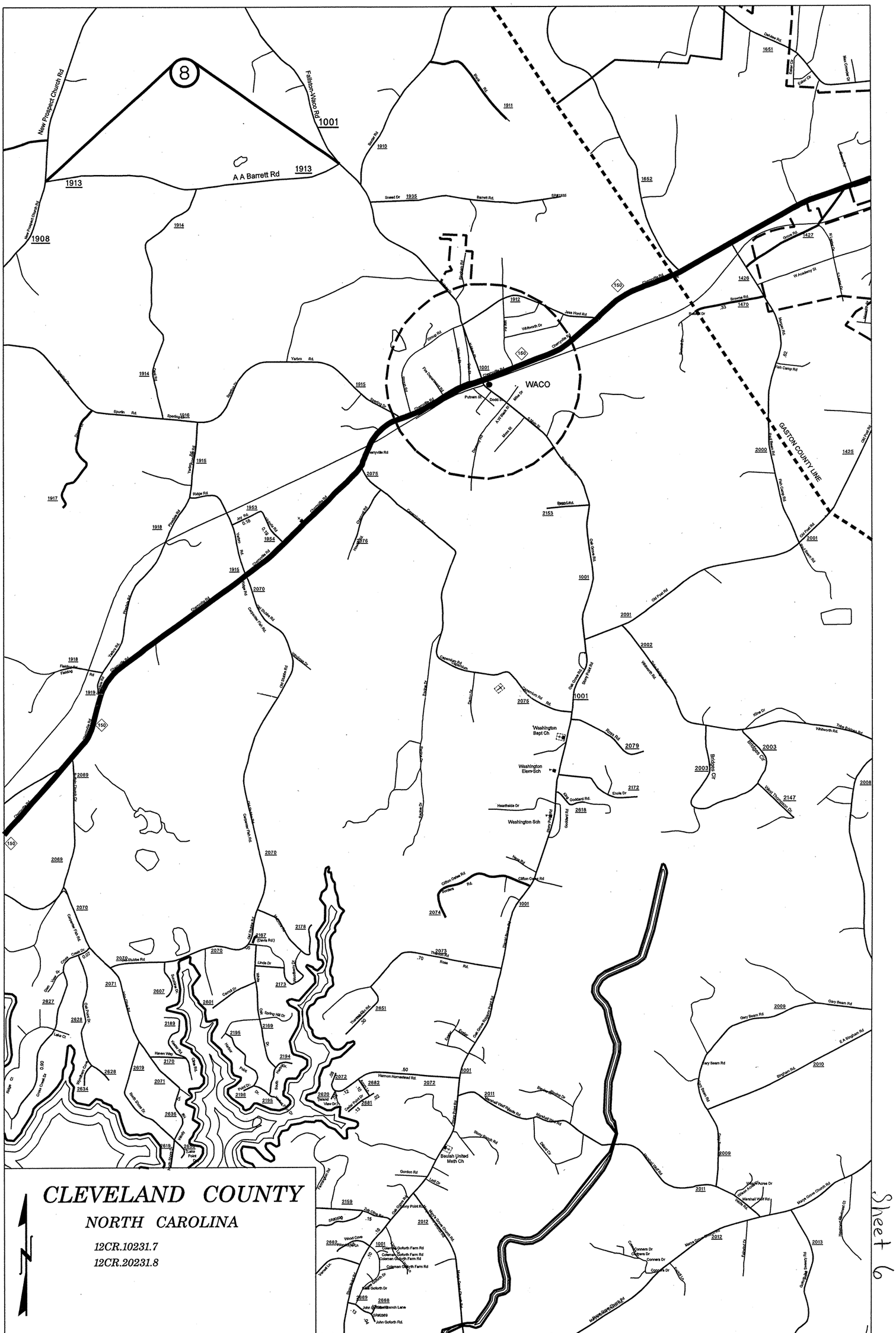

CLEVELAND COUNTY
NORTH CAROLINA
12CR.10231.7
12CR.20231.8
SOUTH CAROLINA
Bethlehem Rd
2245
2249
2263
2235
2238
2276
Long Branch Ch
Allen Mem Bapt Ch
Bethleham Ch
Victory Ch
Grover Elem Sch
Elbethel Ch
Vestibule AME Zion Ch

Sheet 5



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PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
CLEVELAND COUNTY 2009	7	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
12CR.10231.7		
12CR.20231.8		

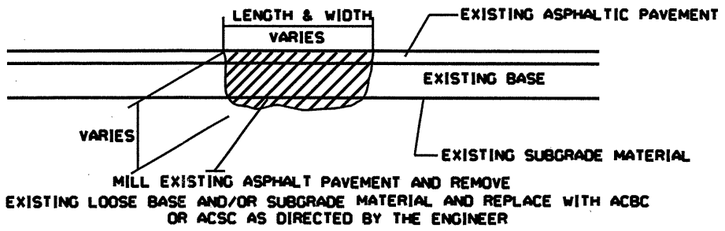
PAVEMENT SCHEDULE

A	SHOULDER RECONSTRUCTION
B	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C	MILL ASPHALT PAVEMENT APPROX. 3" - 4.5" AS DIRECTED BY ENGINEER
D	MILL ASPHALT PAVEMENT APPROX. 1½"
E	MILL ASPHALT PAVEMENT APPROX. 3" AS DIRECTED BY ENGINEER

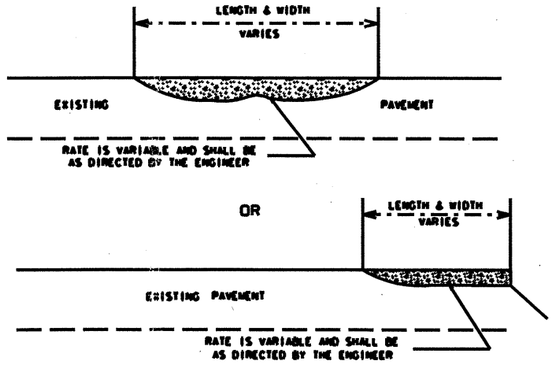
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

MILL BRIDGE APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED.

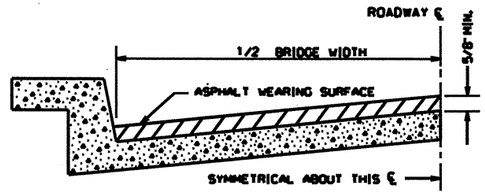
MILL INTO GUTTER LINE WHERE SHOWN AND AS DIRECTED.



PATCHING EXISTING PAVEMENT



ASPHALT CONCRETE SURFACE COURSE
TYPE S9.5B. (LEVELING COURSE)



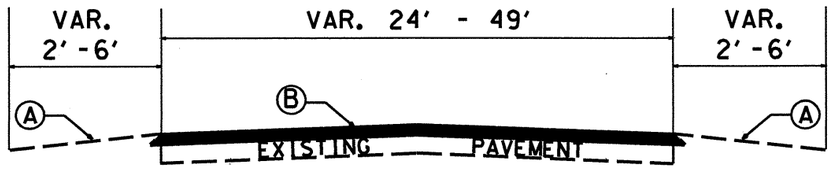
BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN.

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

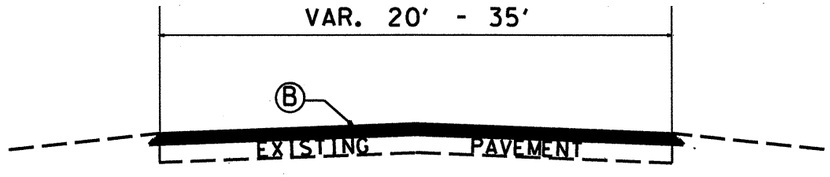
NOTES

ALL UNPAVED S.R. ROADS TO BE SURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE NOTED.
BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

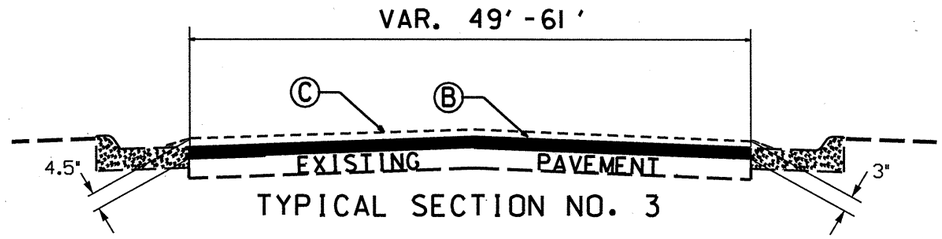


TYPICAL SECTION NO. 1

BRIDGE PROFILE



TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 3

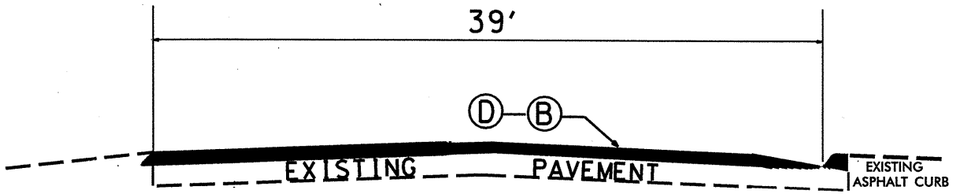
PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
CLEVELAND COUNTY 2009	8	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
12CR.10231.7		
12CR.20231.8		

PAVEMENT SCHEDULE	
A	SHOULDER RECONSTRUCTION
B	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C	MILL ASPHALT PAVEMENT APPROX. 3" - 4.5" AS DIRECTED BY ENGINEER
D	MILL ASPHALT PAVEMENT APPROX. 1½"
E	MILL ASPHALT PAVEMENT APPROX. 3" AS DIRECTED BY ENGINEER

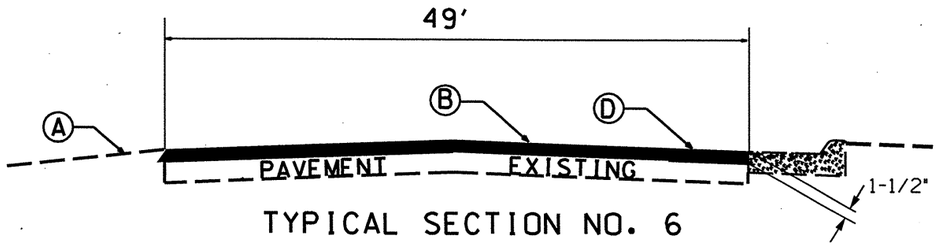
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

MILL BRIDGE APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED.

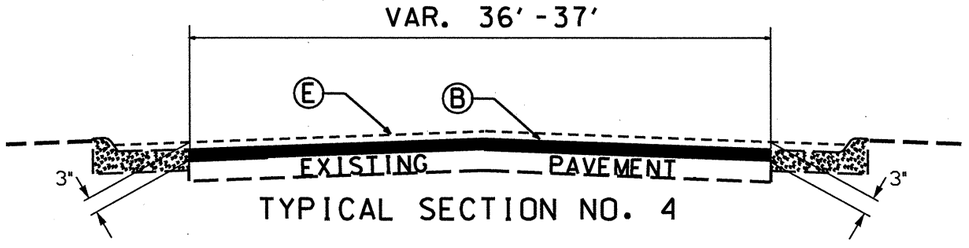
MILL INTO GUTTER LINE WHERE SHOWN AND AS DIRECTED.



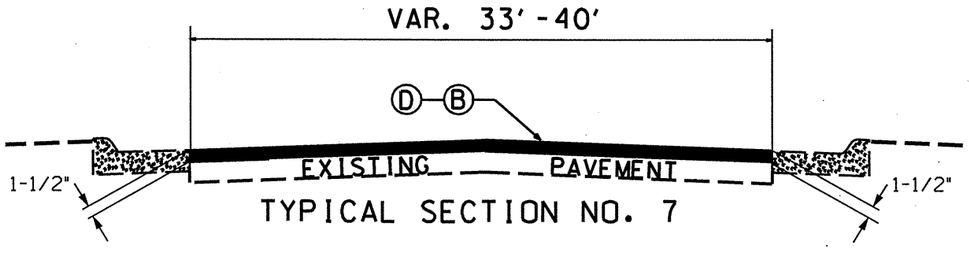
TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 6



TYPICAL SECTION NO. 4



TYPICAL SECTION NO. 7

PROJECT NO.	SHEET NO.	TOTAL NO.
12CR.10231.7, 12CR.20231.8	9	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1½" MILLING SY	3" MILLING SY	3" TO 4.5" MILLING SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	PG 64-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	MANHOLES EA	METER OR VALVE BOX EA
12CR.10231.7	Cleveland	1	NC 18 (S LAFAYETTE ST)	NC 150 TO SR 1130	1 6	1.99 0.05	VAR. 24-49 49	25	4.03	1416			550	2,896	163	184	464		
		2	NC 18 (S LAFAYETTE ST)	SR 1130 TO NC 180	1	1.78	VAR. 24-25	45	3.56					2,364	149	151	342		
		3	US 74 BUS (W. KING ST.)	SR 2256 (PHIFER RD) TO NC 216	4	0.9	VAR. 36-37				21559			1,811	100	115	340	25	5
		4	NC 18 (FALLSTON RD)	SHELBY CL TO 330' S OF SR 1830	3	1.74	VAR. 49-61					57881		4,862	200	304	565		
TOTAL FOR PROJ NO. 12CR.10231.7						**6.46**		**70**	**7.59**	**1416**	**21559**	**57881**	**550**	**11933**	**612**	**754**	**1711**	**25**	**5**
12CR.20231.8	Cleveland	5	SR 1253 (CHARLES RD)	NC 150 TO US 74	2 7 5	1.27 0.88 0.06	24 VAR. 33-40 39			18542				3,364	170	213	205	7	16
		6	SR 2541 (CREST SCH RD)	SR 1123 TO SR 1158	2	0.85	VAR. 22-35	10						1,243	69	79	183		
		7	SR 2245 (BETHLEHEM RD)	SR 2249 TO SR 2263	2	2.27	VAR. 21-22	50						2,640	162	168	310		
		8	SR 1913 (AA BARRETT RD)	SR 1001 TO SR 1908	2	1.47	19	45					450	1,604	528	128	249		
TOTAL FOR PROJ NO. 12CR.20231.8						**6.80**		**105**	**0**	**18542**	**0**	**0**	**450**	**8851**	**929**	**588**	**947**	**7**	**16**
GRAND TOTAL						**13.26**		**175**	**7.59**	**19958**	**21559**	**57881**	**1000**	**20,784**	**1,541**	**1,342**	**2,658**	**32**	**21**

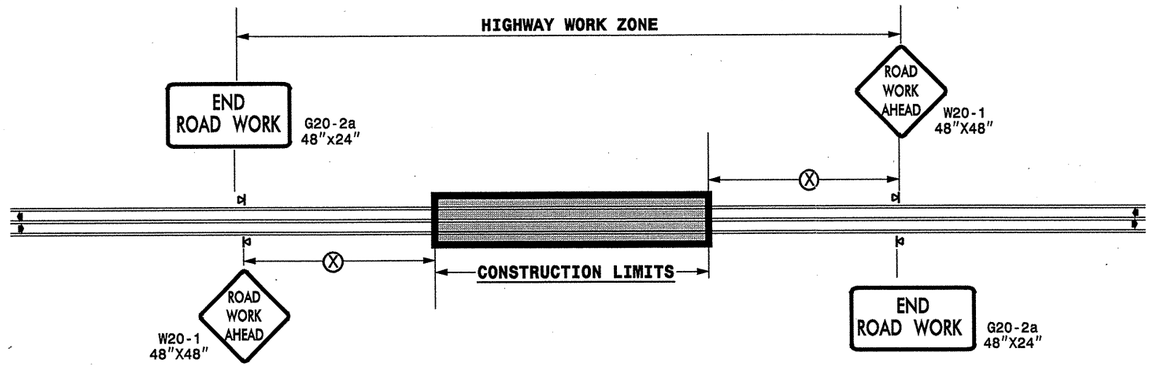
PROJECT NO.	SHEET NO.	TOTAL NO.
12CR.10231.7, 12CR.20231.8	10	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4685000000-E 4" X 90 M WHITE THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4710000000-E 24" X 120 M WHITE THERMO LF	4721000000-E THERMO MSG SCHOOL 120 M EA	4725000000-E THERMO LT ARROW 90 M EA	4725000000-E THERMO RT ARROW 90 M EA	4725000000-E THERMO STR ARROW 90 M EA	4725000000-E THERMO STR & RT ARROW 90 M EA	4810000000-E 4" WHITE PAINT LF	4810000000-E 4" YELLOW PAINT LF	4905000000-N SNOW PLOWABLE MARKERS EA
12CR.10231.7	Cleveland	1	NC 18 (S LAFAYETTE ST)	NC 150 TO SR 1130	21,950	21,000	300	36		6	3	3				170
		2	NC 18 (S LAFAYETTE ST)	SR 1130 TO NC 180	19,153	11,748	100									120
		3	US 74 BUS (KING ST.)	SR 2256 (PHIFER RD) TO NC 216		12,000	800	216		32			10	12,000	800	240
		4	NC 18 (FALLSTON RD)	SHELBY CL TO 330' S OF SR 1830		23,100	5,200	60		8		5		23,100	5,200	493
TOTAL FOR PROJ NO. 12CR.10231.7					**41,103**	**67,848**	**6,400**	**312**		**46**	**3**	**8**	**10**	**35,100**	**6,000**	**1,023**
						74,248				**67**				**41,100**		
12CR.20231.8	Cleveland	5	SR 1253 (CHARLES RD)	NC 150 TO US 74			250	24		30	1	1	1	28,000	52,000	
		6	SR 2541 (CREST SCH RD)	SR 1123 TO SR 1128			600	100	12	11	11			18,000	18,000	
		7	SR 2245 (BETHLEHEM RD)	SR 2249 TO SR 2263										48,850	30,000	
		8	SR 1913 (AA BARRETT RD)	SR 1001 TO SR 1908										31,634	31,634	
TOTAL FOR PROJ NO. 12CR.20231.8							**850**	**124**	**12**	**41**	**12**	**1**	**1**	**126,484**	**131,634**	
						850				**55**				**258,118**		
GRAND TOTAL					**41,103**	**67,848**	**7,250**	**436**	**12**	**87**	**15**	**9**	**11**	**161,584**	**137,634**	**1,023**
						75,098				**122**				**299,218**		

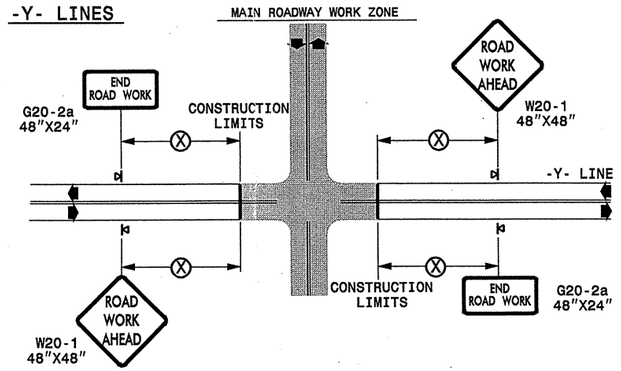
PROJ. REFERENCE NO.	SHEET NO.
12CR.10231.7 & 12CR.20231.8	TCP-1

TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING (X)
≤ 50	500′
≥ 55	1000′

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

PORTABLE SIGN

DIRECTION OF TRAFFIC FLOW

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

DETAIL DRAWING FOR TWO-WAY UNDIVIDED WORK ZONE WARNING SIGNS

SHEET 1 OF 1

APPROVED:_____ DATE:_____

SEAL

DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
ADVANCED WORK ZONE WARNING SIGNS

SCALE: NONE	REVISIONS	
DATE:	7-98	10/01
DWG. BY:	10-98	03/04
DESIGN BY:	01/01	11/04
REVIEWED BY:	CADD FILE	