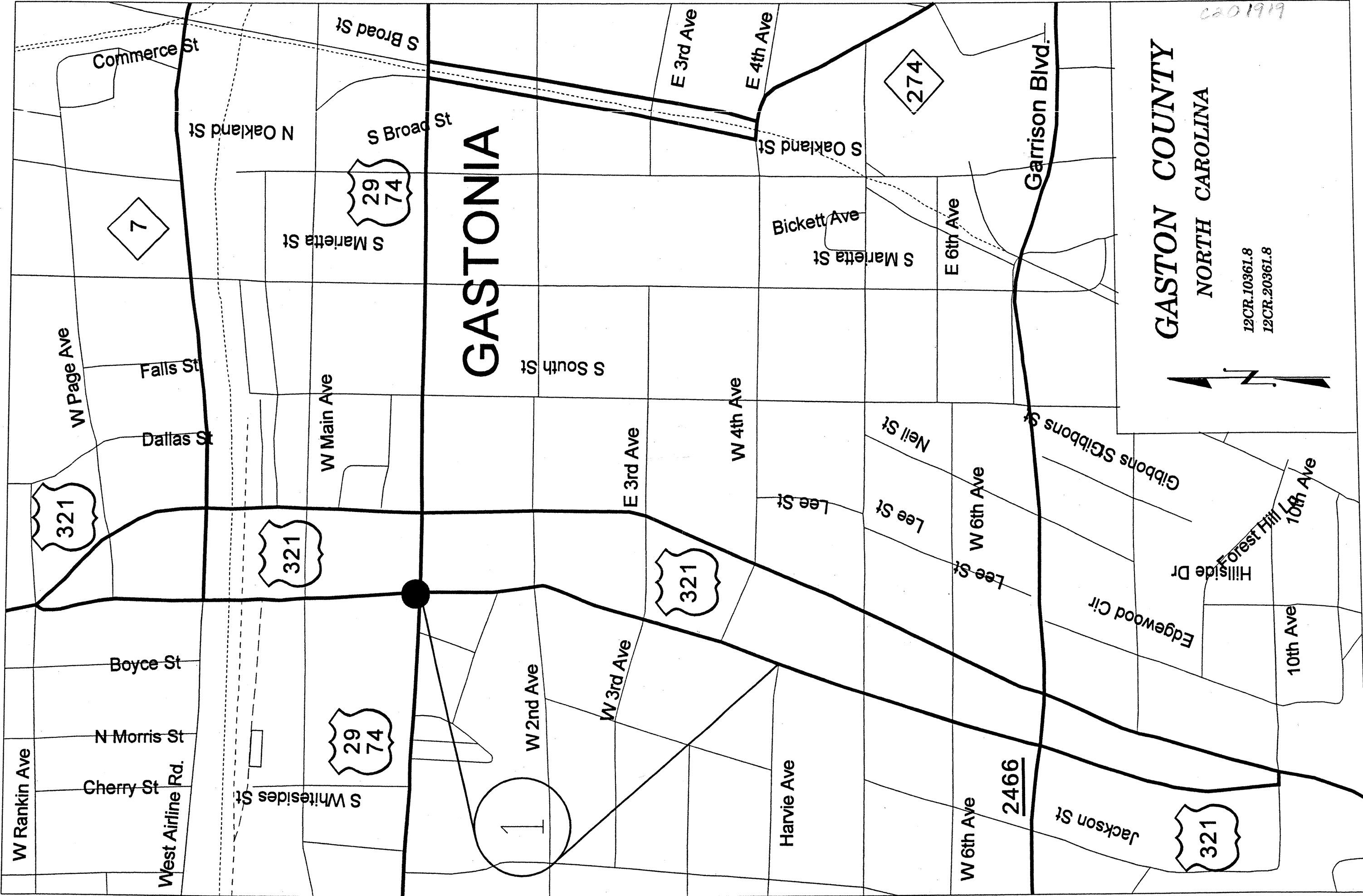


2001919



# GASTONIA

GASTON COUNTY  
NORTH CAROLINA

12CR.10361.8  
12CR.20361.8



321

321

321

29  
74

1

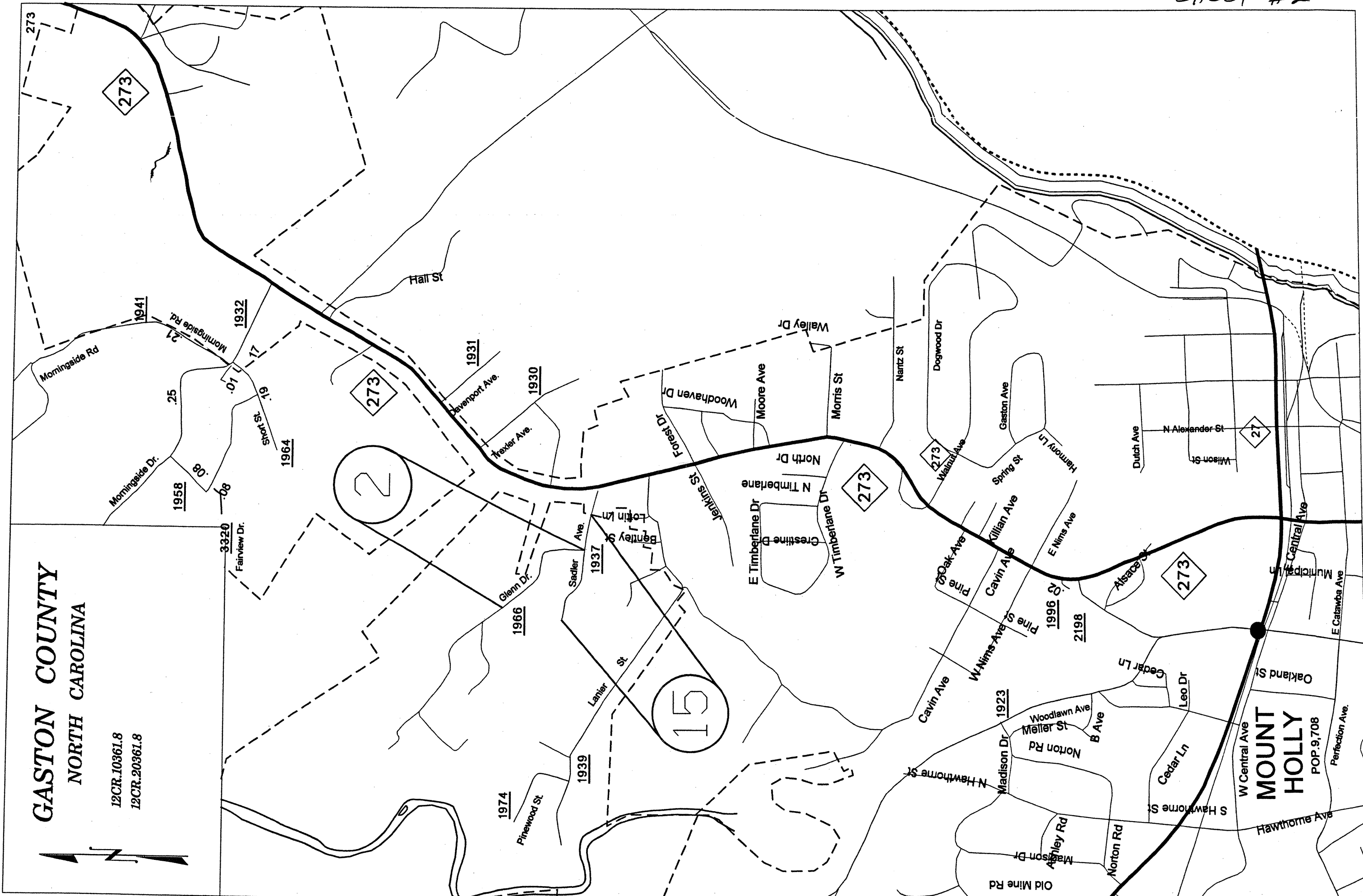
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321

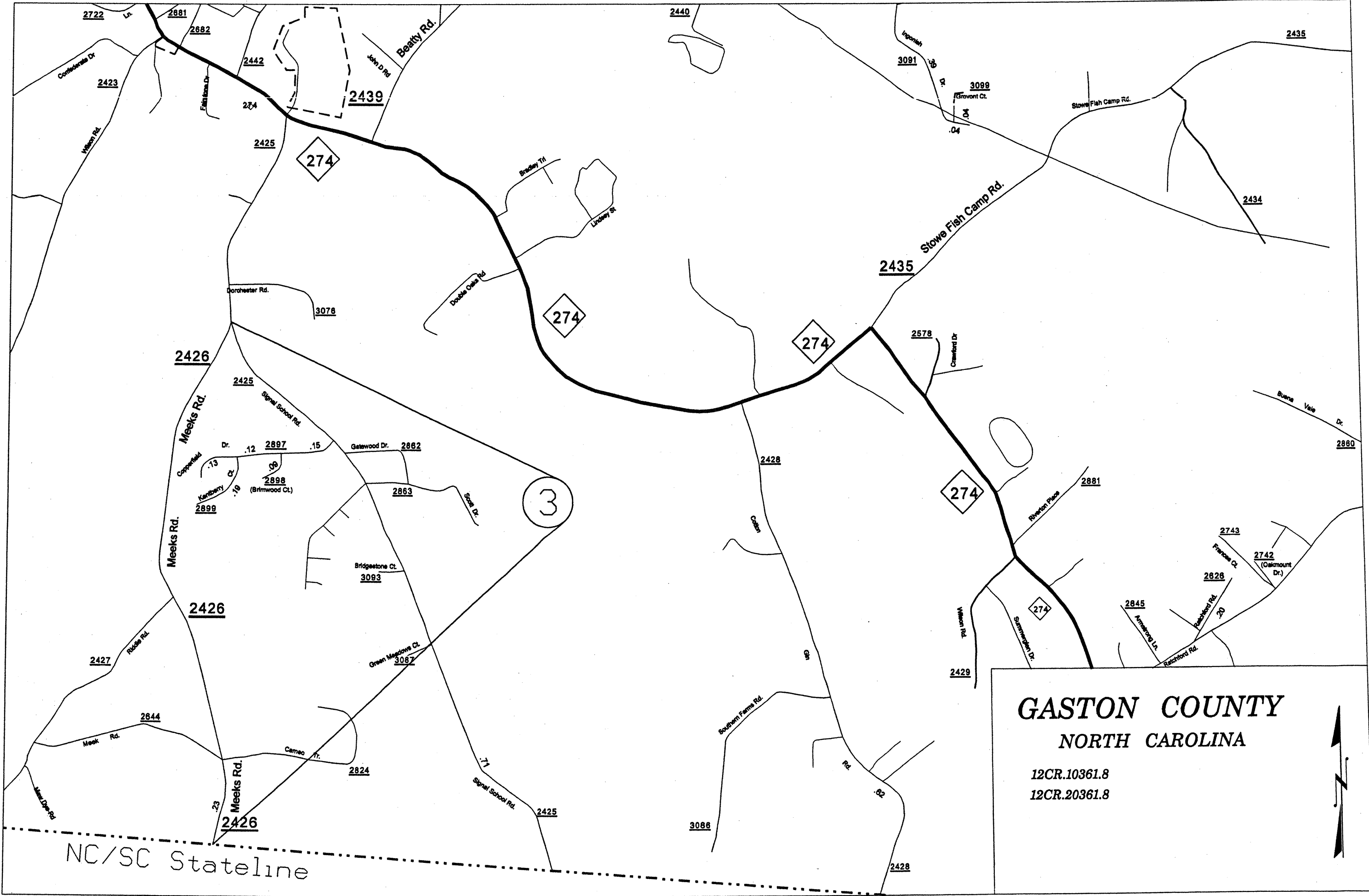
2466

GASTON COUNTY  
NORTH CAROLINA

12CR.10361.8  
12CR.20361.8



**MOUNT  
HOLLY**  
POP. 9,708

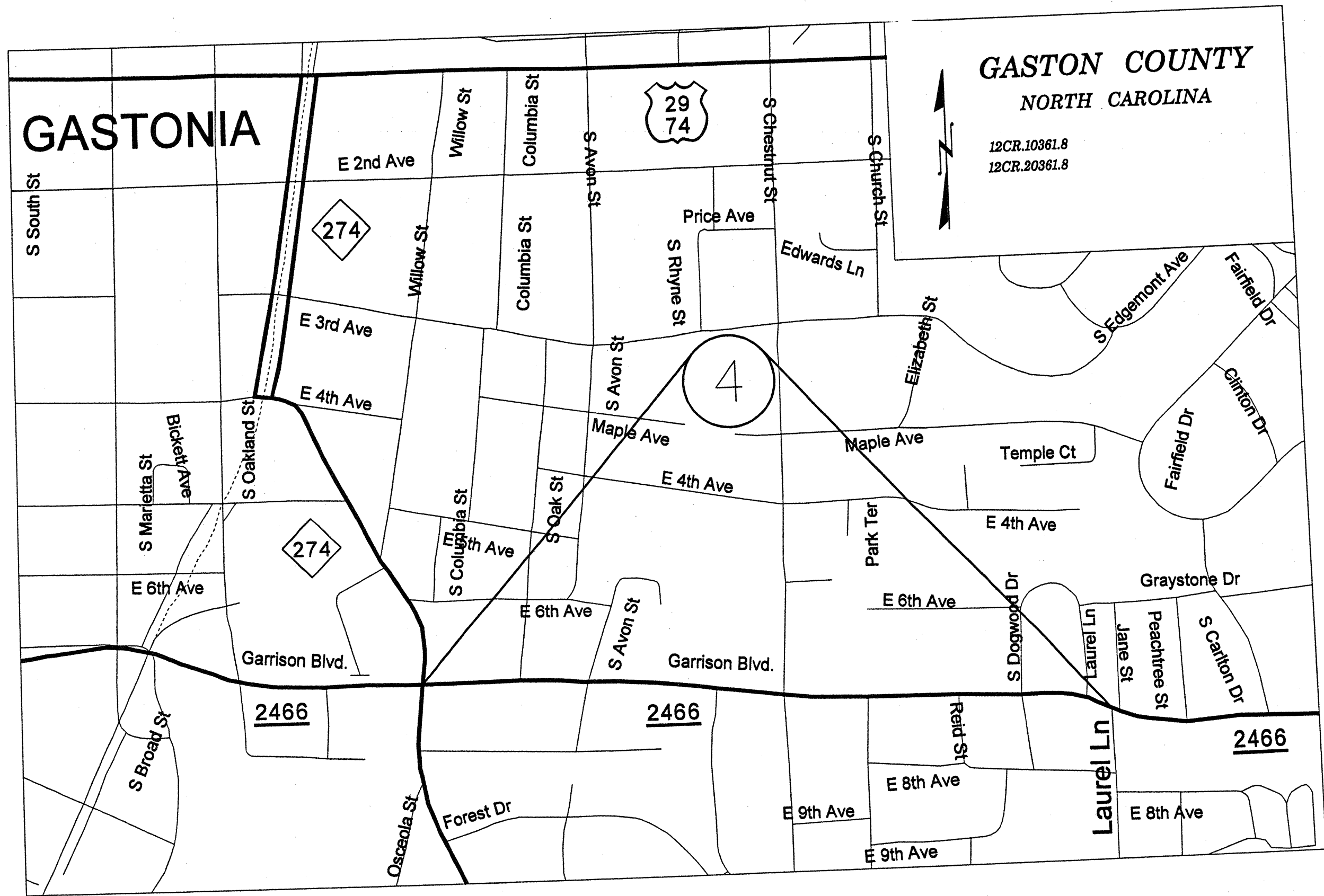


NC/SC Stateline

**GASTON COUNTY**  
**NORTH CAROLINA**

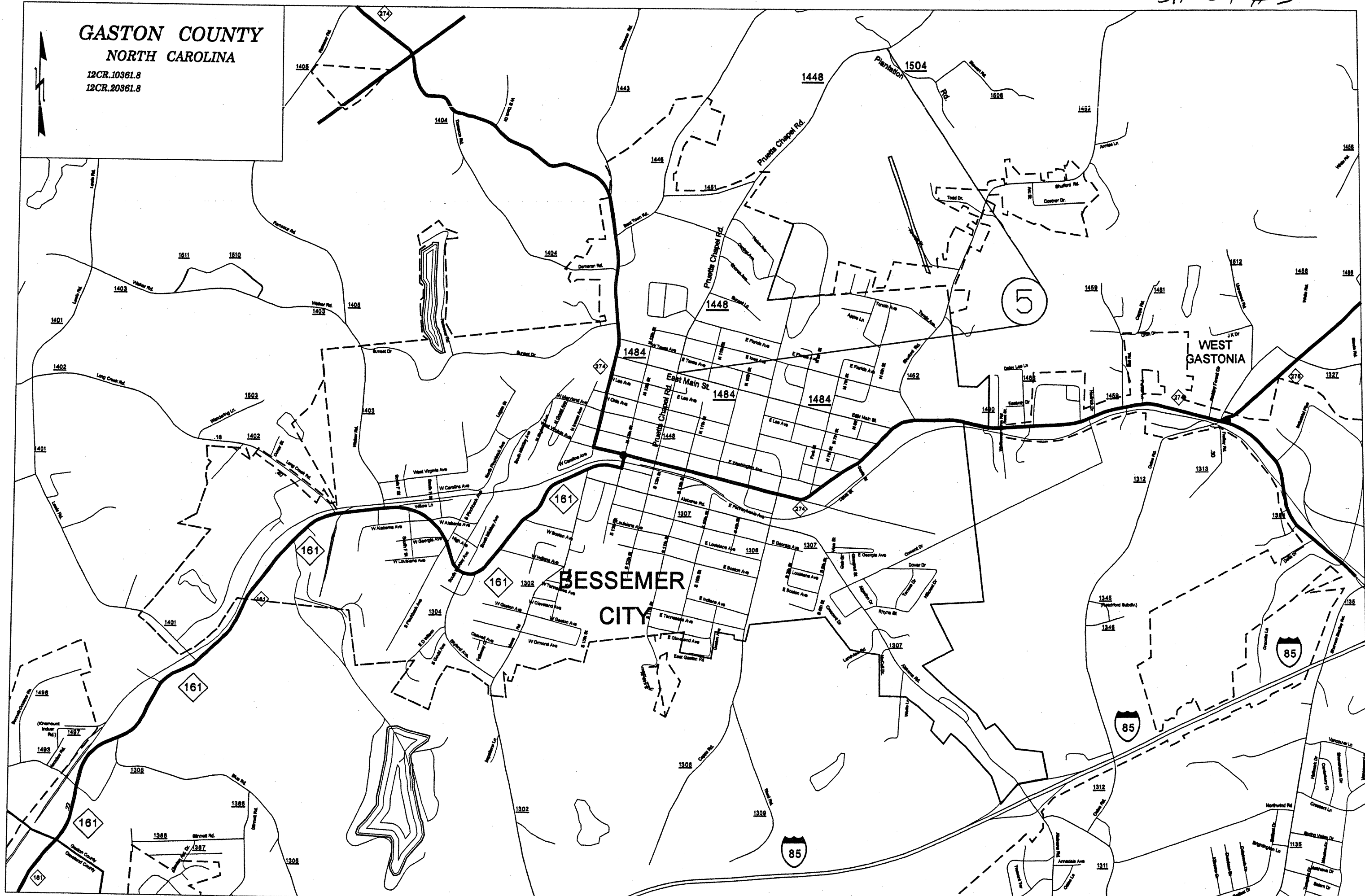
12CR.10361.8  
12CR.20361.8





**GASTON COUNTY**  
**NORTH CAROLINA**

12CR.10361.8  
12CR.20361.8



WEST GASTONIA

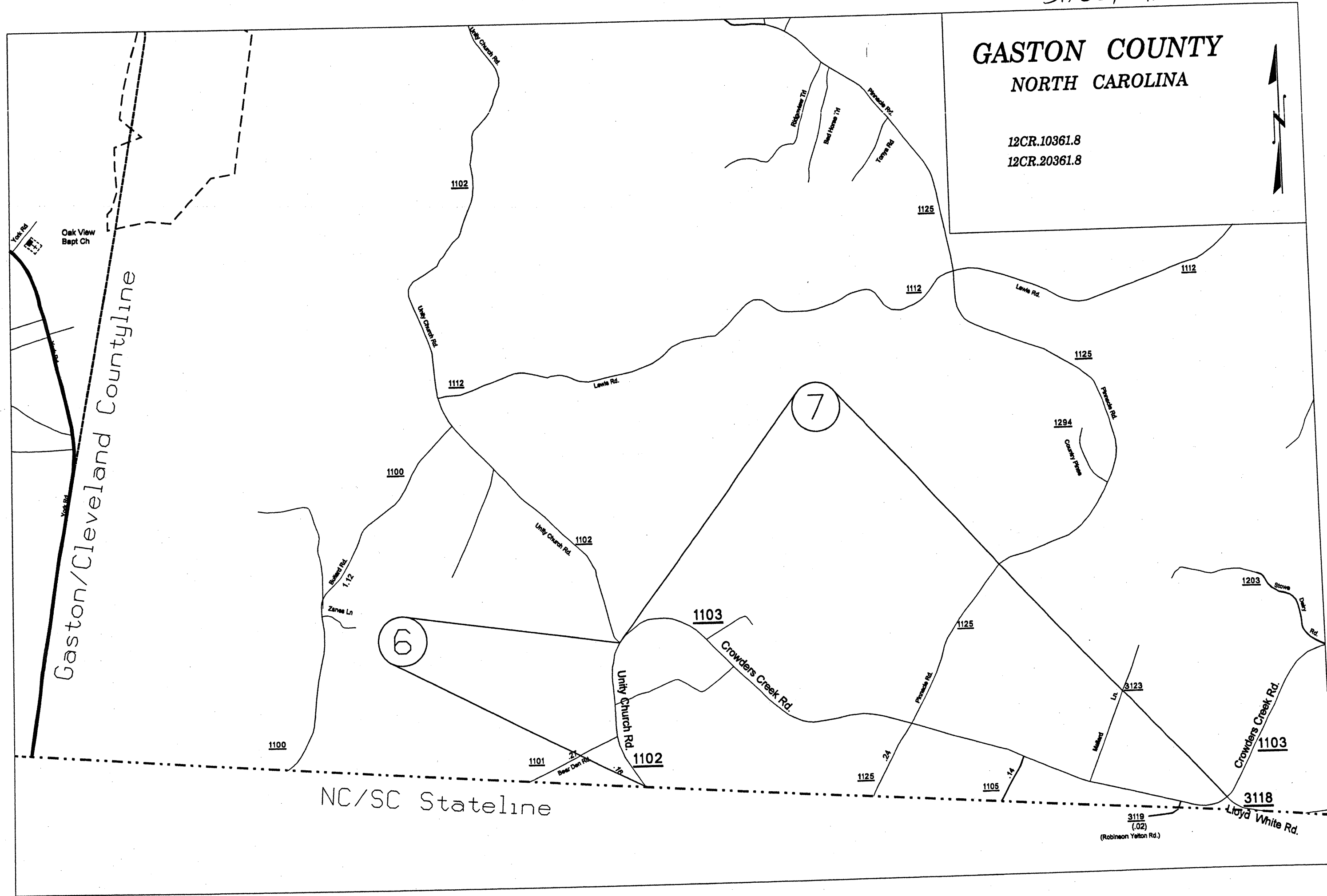
**BESSEMER CITY**



5

# GASTON COUNTY NORTH CAROLINA

12CR.10361.8  
12CR.20361.8



Gaston/Cleveland Countyline

NC/SC Stateline

3119  
(.02)  
(Robinson Yelton Rd.)

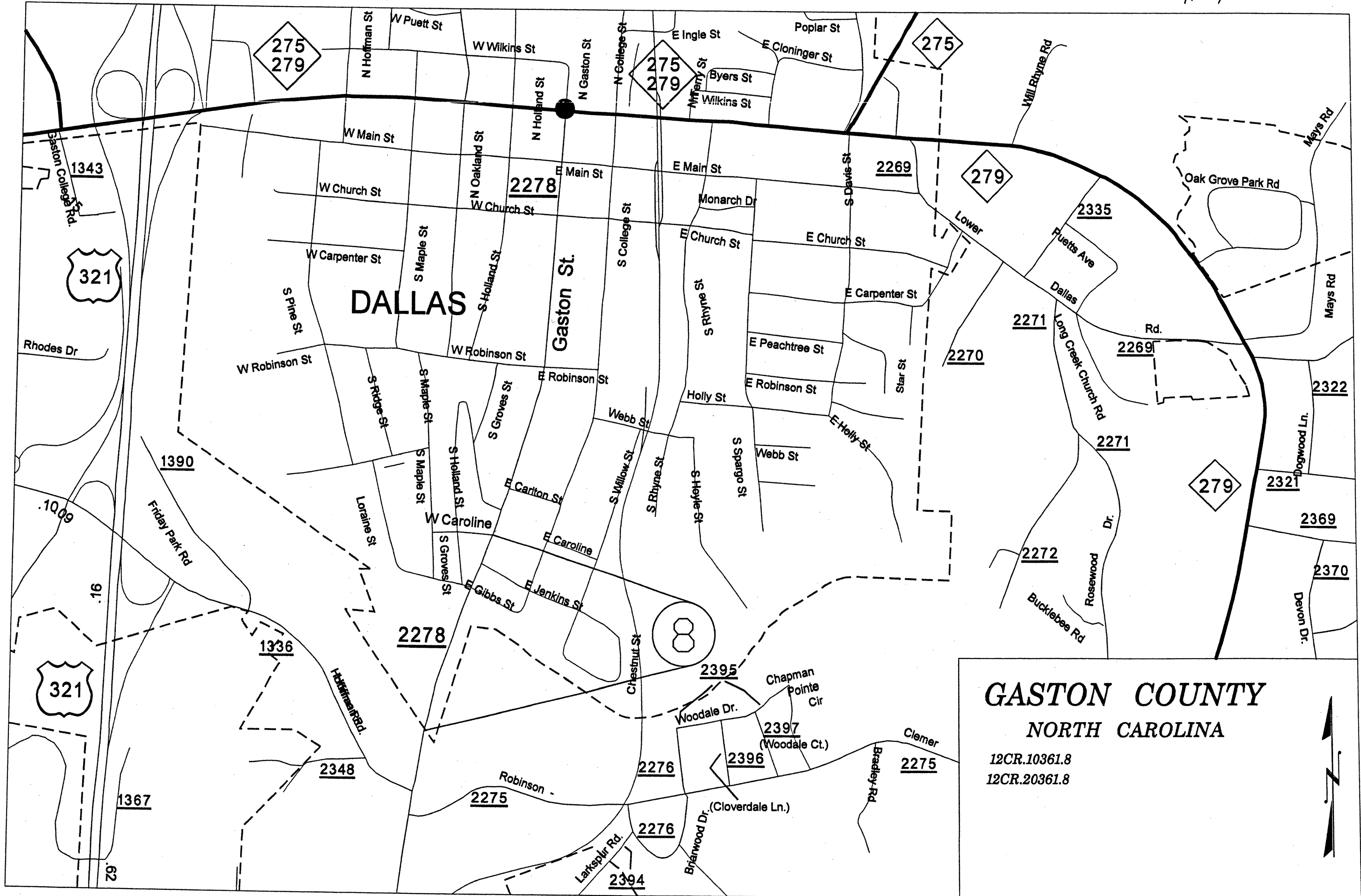
Crowders Creek Rd.  
1103

Lloyd White Rd.  
3118

6

7

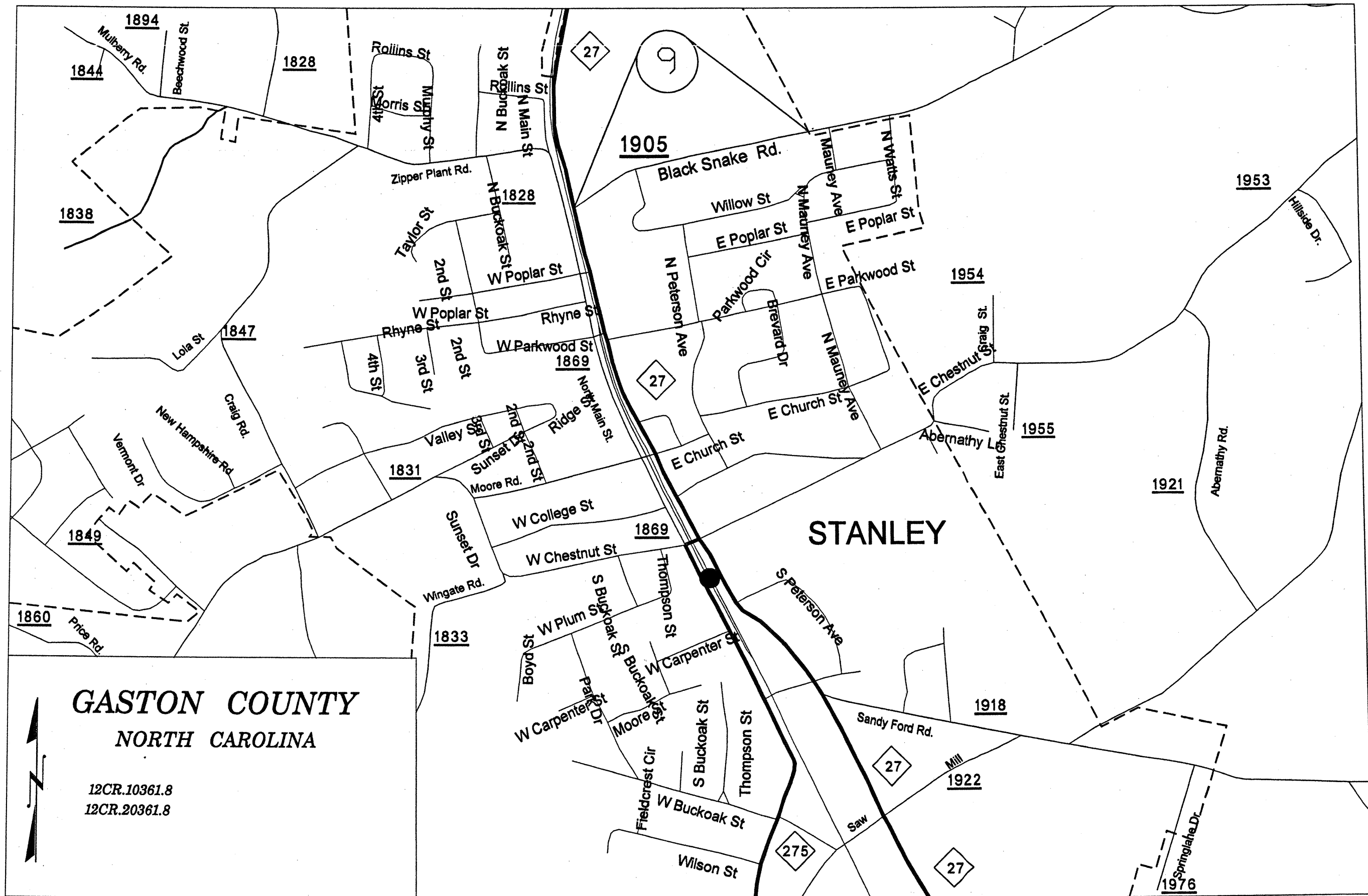
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# GASTON COUNTY NORTH CAROLINA

12CR.10361.8  
12CR.20361.8





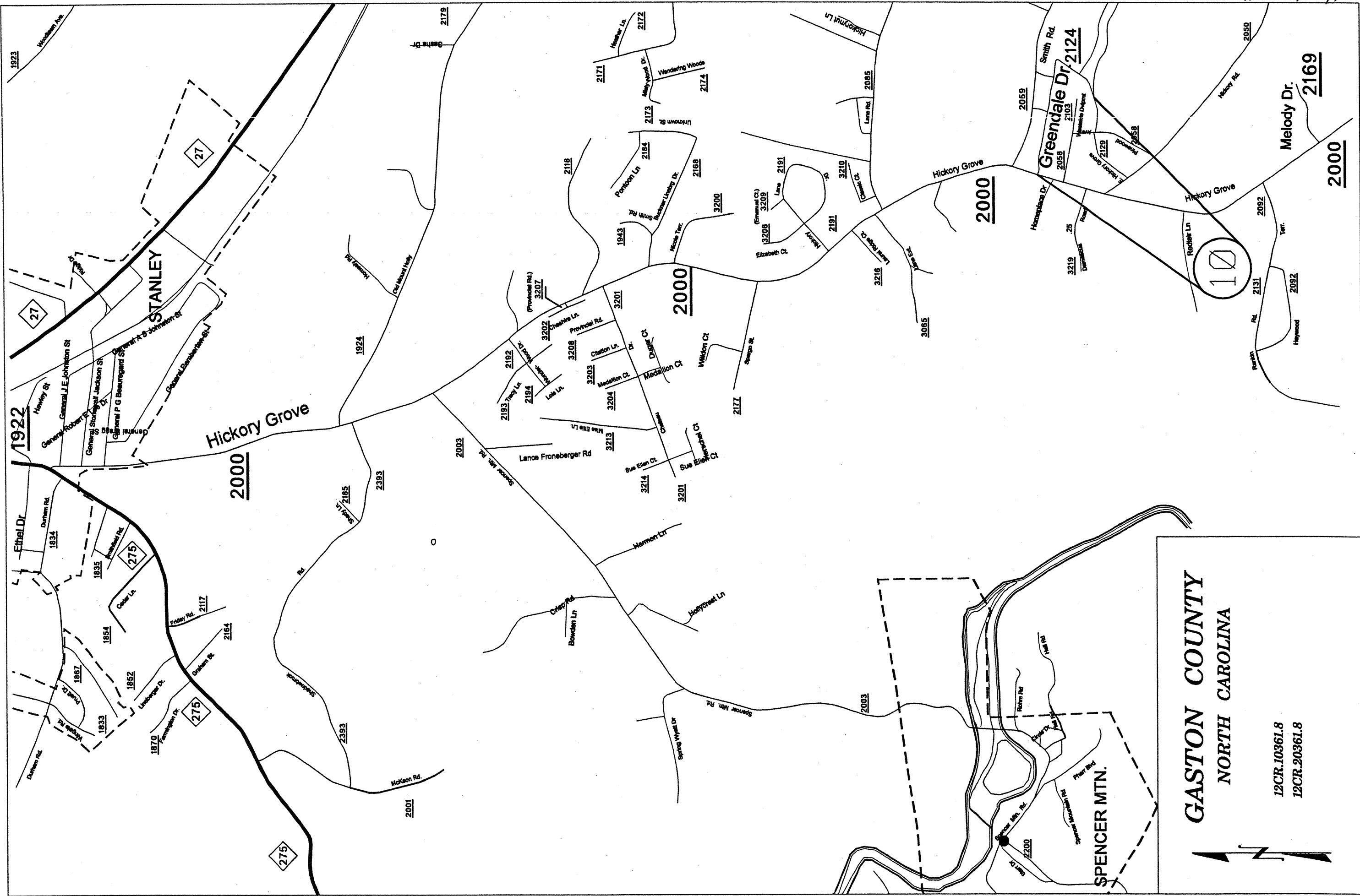
**GASTON COUNTY**  
**NORTH CAROLINA**

12CR.10361.8  
 12CR.20361.8



**STANLEY**



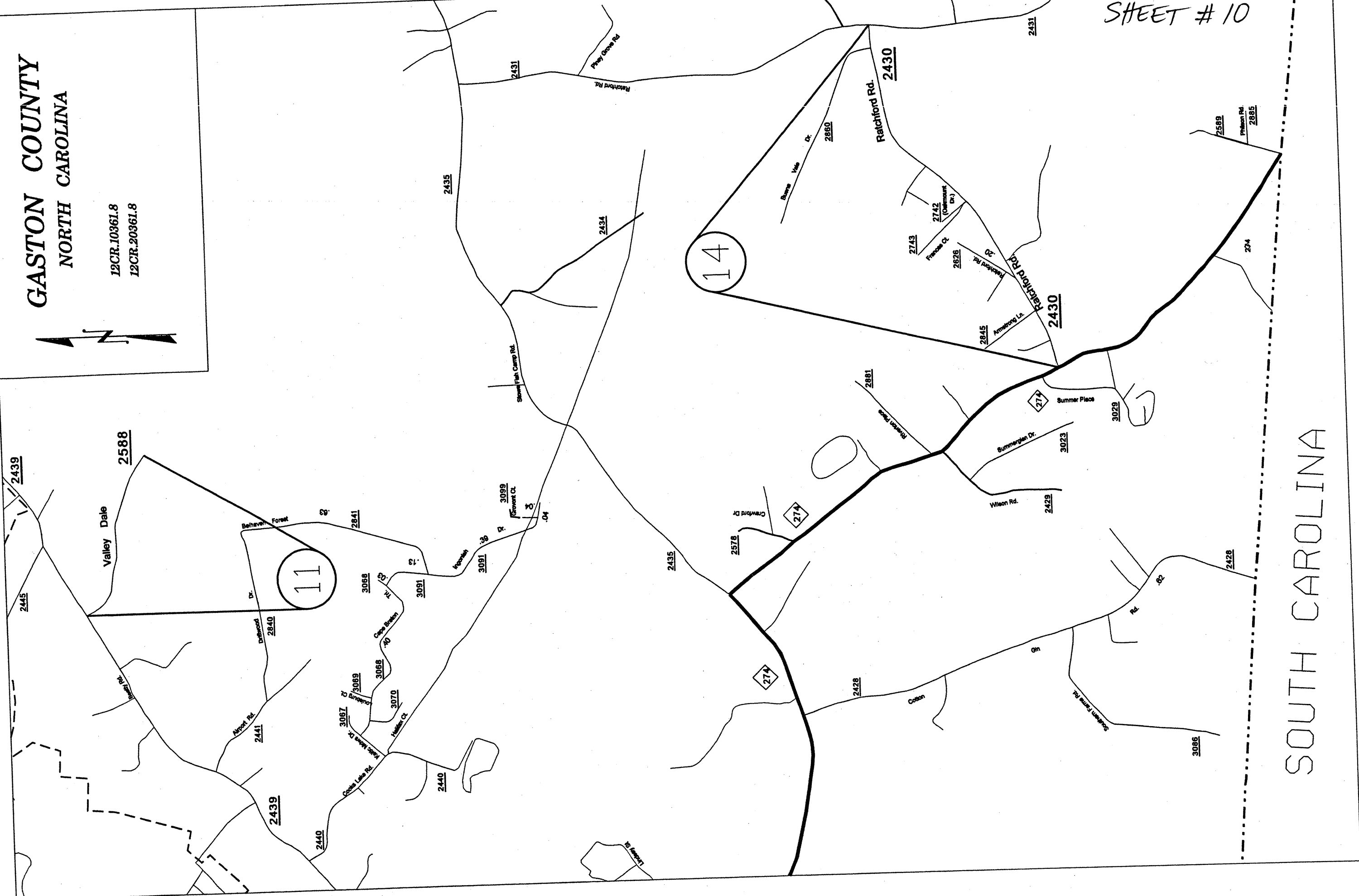


GASTON COUNTY  
NORTH CAROLINA

12CR.10361.8  
12CR.20361.8



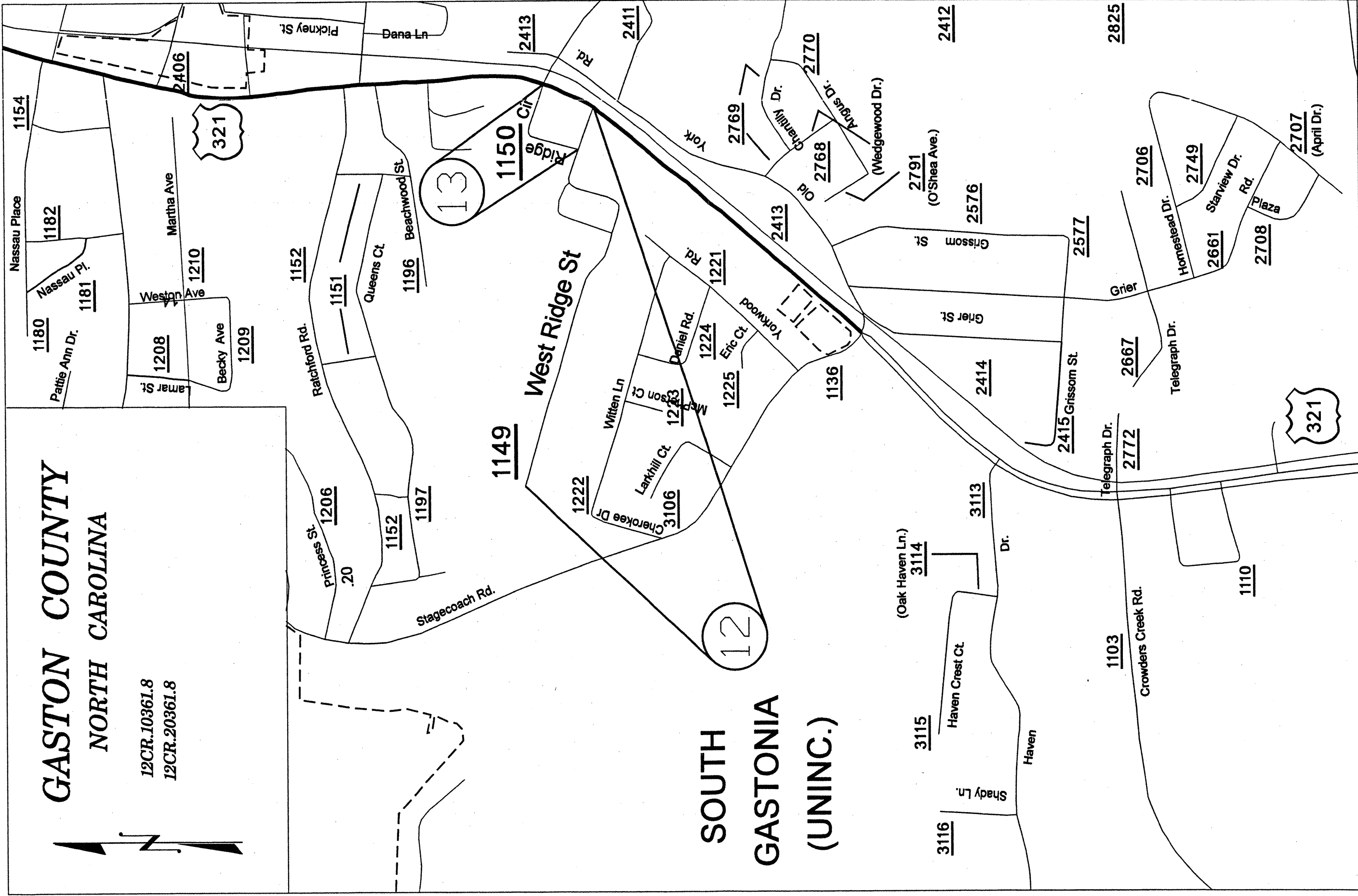
SHEET # 10



SOUTH CAROLINA

# GASTON COUNTY NORTH CAROLINA

12CR.10361.8  
12CR.20361.8

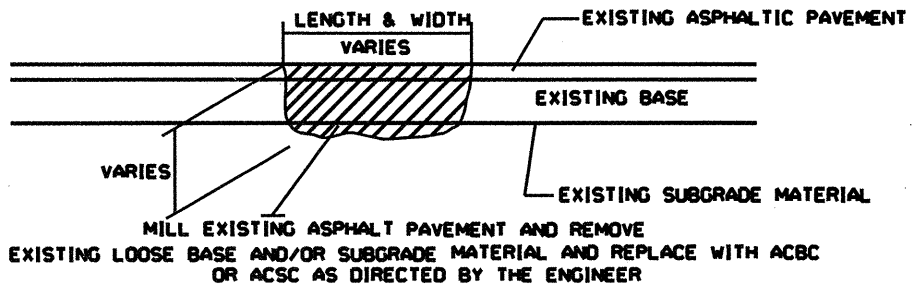


# SOUTH GASTONIA (UNINC.)

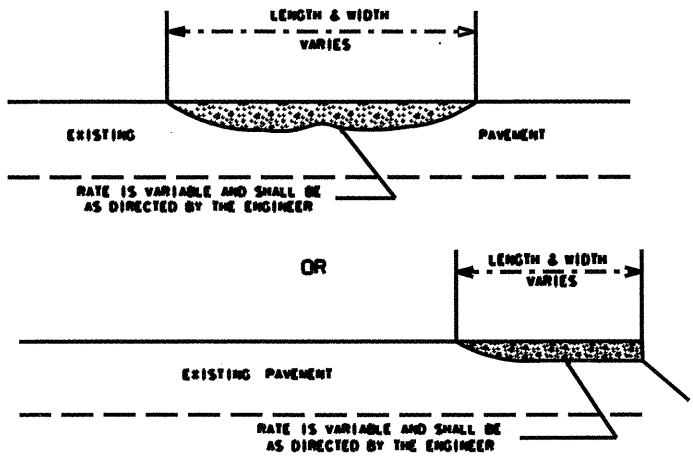
PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
GASTON COUNTY 2008	12	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
12CR.10361.8		
12CR.20361.8		

PAVEMENT SCHEDULE	
E	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	MILL ASPHALT PAVEMENT APPROX. 3" - 5" AS DIRECTED BY ENGINEER
V2	MILL ASPHALT PAVEMENT APPROX. 3" AS DIRECTED BY ENGINEER

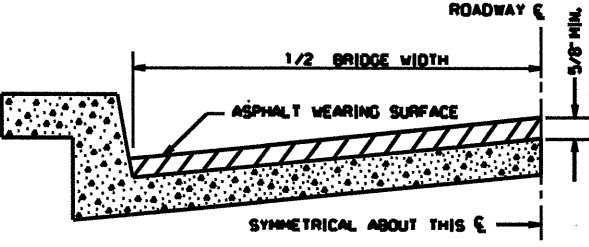
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.  
MILL BRIDGE APPROACHES 100' TO PROVIDE A SMOOTH TRANSITION AS DIRECTED.



**PATCHING EXISTING PAVEMENT**



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



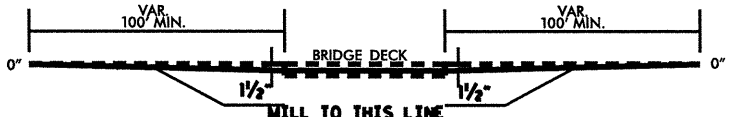
**BRIDGE HALF TYPICAL SECTION**

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.

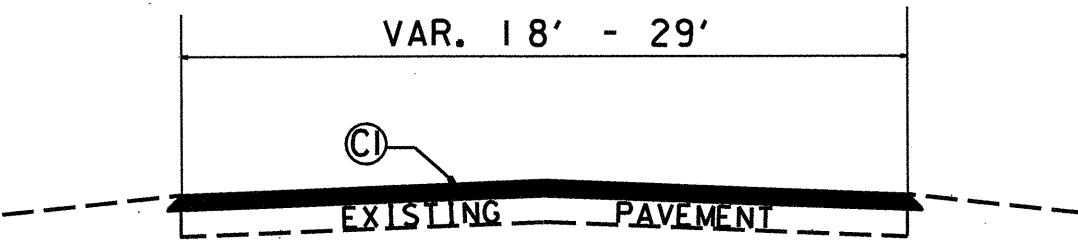
THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1-1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

**NOTES**

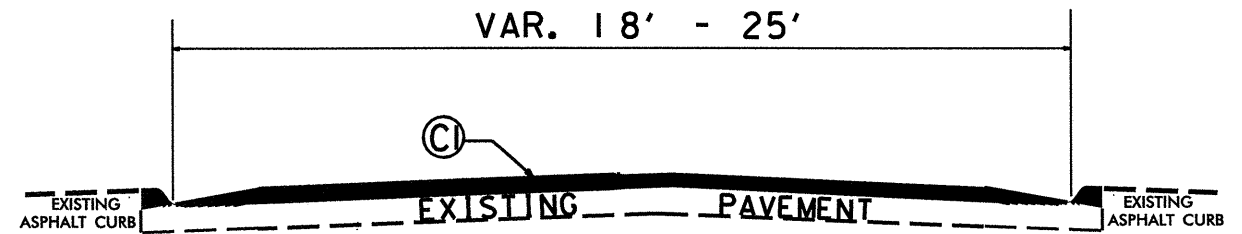
ALL UNPAVED S.R. ROADS TO BE SURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.  
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADIUS OR AS DIRECTED BY THE ENGINEER.  
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.  
SHOULDERS AND DITCHES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



**BRIDGE PROFILE**



TYPICAL SECTION NO. 1

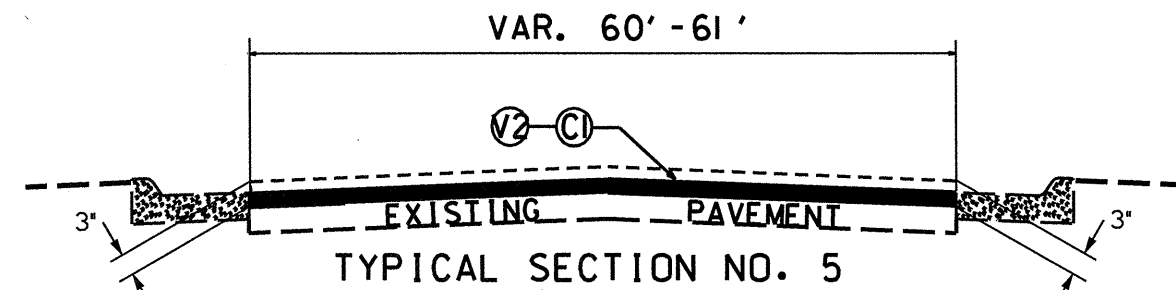
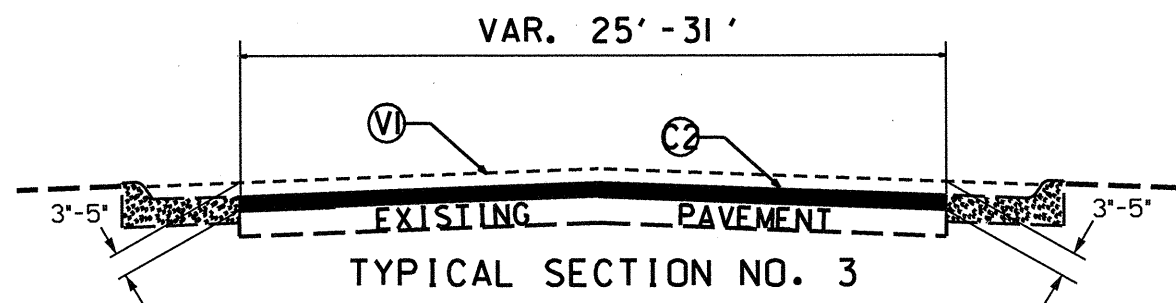
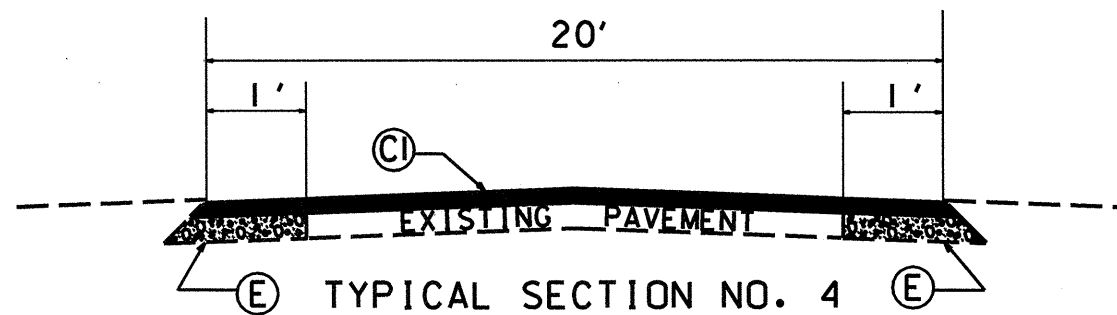


TYPICAL SECTION NO. 2

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
GASTON COUNTY 2008	13	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
12CR.10361.8		
12CR.20361.8		

PAVEMENT SCHEDULE	
E	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	MILL ASPHALT PAVEMENT APPROX. 3" - 5" AS DIRECTED BY ENGINEER
V2	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.



PROJECT NO.	SHEET NO.	TOTAL NO.
12CR.10361.8	14	
12CR.20361.8		

## SUMMARY OF QUANTITIES

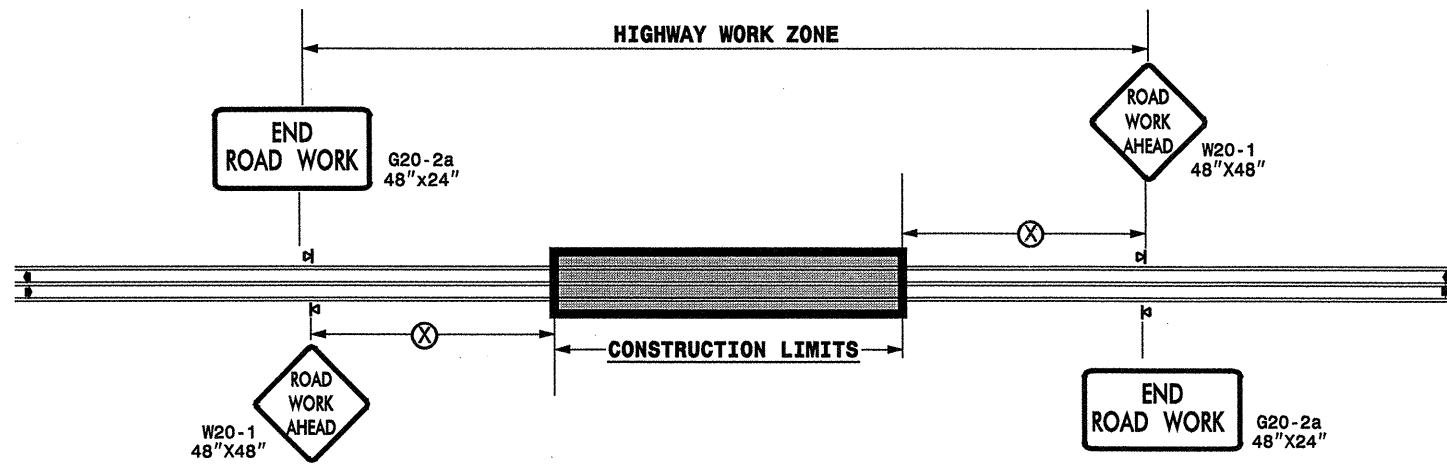
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	REMOVE EX. CONC. PVMT. SY	INCIDENTAL STONE BASE TONS	3" MILLING SY	3" TO 5" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	WHEEL CHAIR RAMPS EA	CATCH BASIN EA	MANHOLES EA	METER OR VALVE BOX EA	PORTABLE LIGHTING LS
12CR.10361.8	Gaston	1	US 321 S (S CHESTER ST)	US 29/74 (FRANKLIN BLVD) TO HARVIE AVE	3	0.35	VAR. 25-31	500	0	0	6,160	0	0	0	0	568	28	0	36	56	0	0	10	8	*
<b>TOTAL FOR PROJ NO. 12CR.10361.8</b>						<b>0.35</b>		<b>500</b>	<b>0</b>	<b>0</b>	<b>6160</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>568</b>	<b>28</b>	<b>0</b>	<b>36</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>8</b>	<b>LS</b>
12CR.20361.8	Gaston	2	SR 1966 (GLENN DR)	SR 1937 TO END MAINT.	1	0.2	20		15					205	50			16		75					
		3	SR 2426 (MEEKS RD)	SR 2425 TO S.C. STATELINE	1	1.5	21		50					1,710	85			108		171					
		4	SR 2466 (GARRISON BLVD)	NC 274 TO LAUREL LANE	5	0.64	VAR. 60-61			23,045				2,130	100			134		213	3		11	7	*
		5	SR 1448 (PUETTS CHAPEL RD)	SR 1484 TO SR 1504	1	1.6	VAR. 20-24		10					1,900	85			120		190			2		
		6	SR 1102 (UNITY CHURCH RD)	S.C. STATELINE TO SR 1103	1	0.43	VAR. 20-21		15					490	24			31		49					
		7	SR 1103 (CROWDERS CRK RD)	SR 1102 TO SR 3118	1	1.9	VAR. 20-21		60					2,165	108			137		216					
		8	SR 2278 (GASTON ST)	W. CAROLINE TO CL DALLAS	1	0.26	VAR. 24-29		5					315	50			22		15					
		9	SR 1905 (BLACK SNAKE RD)	NC 27 TO CL STANLEY	4	0.41	20		15				215	445	50			39		50					
		10	SR 2124 (GREENDALE DR)	SR 2000 (HICKORY GROVE RD) TO DE	1	0.47	VAR. 18-19		75					26	2			2		3					
		11	SR 2588 (VALLEY DALE RD)	SR 2439 (BEATY RD) TO DE	1	0.5	19		80					515	104			38		52					
		12	SR 1149 (WESTRIDGE ST)	US 321 S (YORK HWY) TO DE	2	0.13	25		90					598	30			38		60		2		1	
		13	SR 1150 (RIDGE CIRCLE)	US 321 S (YORK HWY) TO SR 1149 (WESTRIDGE ST)	1	0.41	VAR. 18-19					100		129	7			8		13		1			
		14	SR 2430 (RATCHFORD RD)	NC 274 TO SR 2431	1	1.2	20		50					1,300	130			86		130					
		15	SR 1937 (SADLER AVE)	BEG. MAINT. TO END MAINT.	1	0.12	20		5					135	50			11		75					
<b>TOTAL FOR PROJ NO. 12CR.20361.8</b>						<b>9.9</b>		<b>0</b>	<b>485</b>	<b>23045</b>	<b>0</b>	<b>100</b>	<b>215</b>	<b>12063</b>	<b>875</b>	<b>0</b>	<b>0</b>	<b>790</b>	<b>0</b>	<b>1312</b>	<b>3</b>	<b>3</b>	<b>13</b>	<b>8</b>	<b>LS</b>
<b>GRAND TOTAL</b>						<b>10.25</b>		<b>500</b>	<b>485</b>	<b>23,045</b>	<b>6,160</b>	<b>100</b>	<b>215</b>	<b>12,063</b>	<b>875</b>	<b>568</b>	<b>28</b>	<b>790</b>	<b>36</b>	<b>1,368</b>	<b>3</b>	<b>3</b>	<b>23</b>	<b>16</b>	<b>LS</b>

PROJECT NO.	SHEET NO.	TOTAL NO.
12CR.10361.8, 12CR.20361.8	15	

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4686000000-E		4697000000-E	4710000000-E	4721000000-E	4725000000-E				4810000000-E		4905000000-N	
					4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	8" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG SCHOOL 120 M EA	THERMO LT ARROW 90 M EA	THERMO STR & RT ARROW 90 M EA	THERMO STR & LT ARROW 90 M EA	THERMO STR ARROW 90 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	SNOW PLOWABLE MARKERS EA	
12CR.10361.8	Gaston	1	US 321 S (S CHESTER ST)	US 29/74 (FRANKLIN BLVD) TO HARVIE AVE		600	230	40			2	1	12			100	
<b>TOTAL FOR PROJ NO. 12CR.10361.8</b>						<b>600</b>	<b>230</b>	<b>40</b>			<b>2</b>	<b>1</b>	<b>12</b>			<b>100</b>	
						<b>600</b>				<b>15</b>							
12CR.20361.8	Gaston	2	SR 1966 (GLENN DR)	SR 1937 TO END MAINT.													
		3	SR 2426 (MEEKS RD)	SR 2425 TO S.C. STATELINE										31,680	31,680		
		4	SR 2466 (GARRISON BLVD)	NC 274 TO LAUREL LANE	8,500	2,000	600	160		28							
		5	SR 1448 (PUETTS CHAPEL RD)	SR 1484 TO SR 1504				200	24					33,800	33,800		
		6	SR 1102 (UNITY CHURCH RD)	S.C. STATELINE TO SR 1103										9,100	9,100		
		7	SR 1103 (CROWDERS CRK RD)	SR 1102 TO SR 3118										40,130	33,000		
		8	SR 2278 (GASTON ST)	W. CAROLINE TO CL DALLAS										5,500	5,500		
		9	SR 1905 (BLACK SNAKE RD)	NC 27 TO CL STANLEY										8,660	6,500		
		10	SR 2124 (GREENDALE DR)	SR 2000 (HICKORY GROVE RD) TO DE													
		11	SR 2588 (VALLEY DALE RD)	SR 2439 (BEATY RD) TO DE													
		12	SR 1149 (WESTRIDGE ST)	US 321 S (YORK HWY) TO DE													
		13	SR 1150 (RIDGE CIRCLE)	US 321 S (YORK HWY) TO SR 1149 (WESTRIDGE ST)				13							80		
		14	SR 2430 (RATCHFORD RD)	NC 274 TO SR 2431										25,824	25,824		
		15	SR 1937 (SADLER AVE)	BEG. MAINT. TO END MAINT.													
<b>TOTAL FOR PROJ NO. 12CR.20361.8</b>						<b>8,500</b>	<b>2,000</b>	<b>600</b>	<b>373</b>	<b>24</b>	<b>28</b>			<b>154,694</b>	<b>145,484</b>		
						<b>10,500</b>					<b>28</b>			<b>300,178</b>			
<b>GRAND TOTAL</b>						<b>8,500</b>	<b>2,600</b>	<b>830</b>	<b>413</b>	<b>24</b>	<b>28</b>	<b>2</b>	<b>1</b>	<b>12</b>	<b>154,694</b>	<b>145,484</b>	<b>100</b>
						<b>11,100</b>					<b>43</b>			<b>300,178</b>			

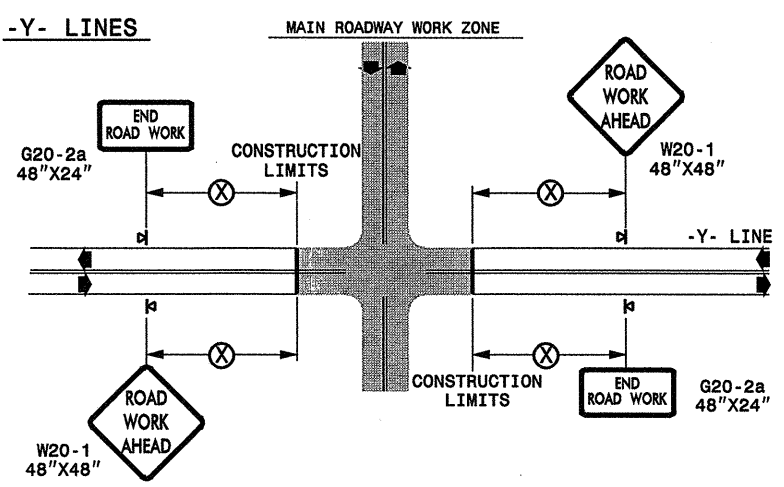
**TWO-WAY UNDIVIDED \*\* (L-LINES)**



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

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

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



**GENERAL NOTES**

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED 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

DETAIL DRAWING  
FOR TWO-WAY UNDIVIDED  
WORK ZONE WARNING SIGNS

SHEET 1 OF 1

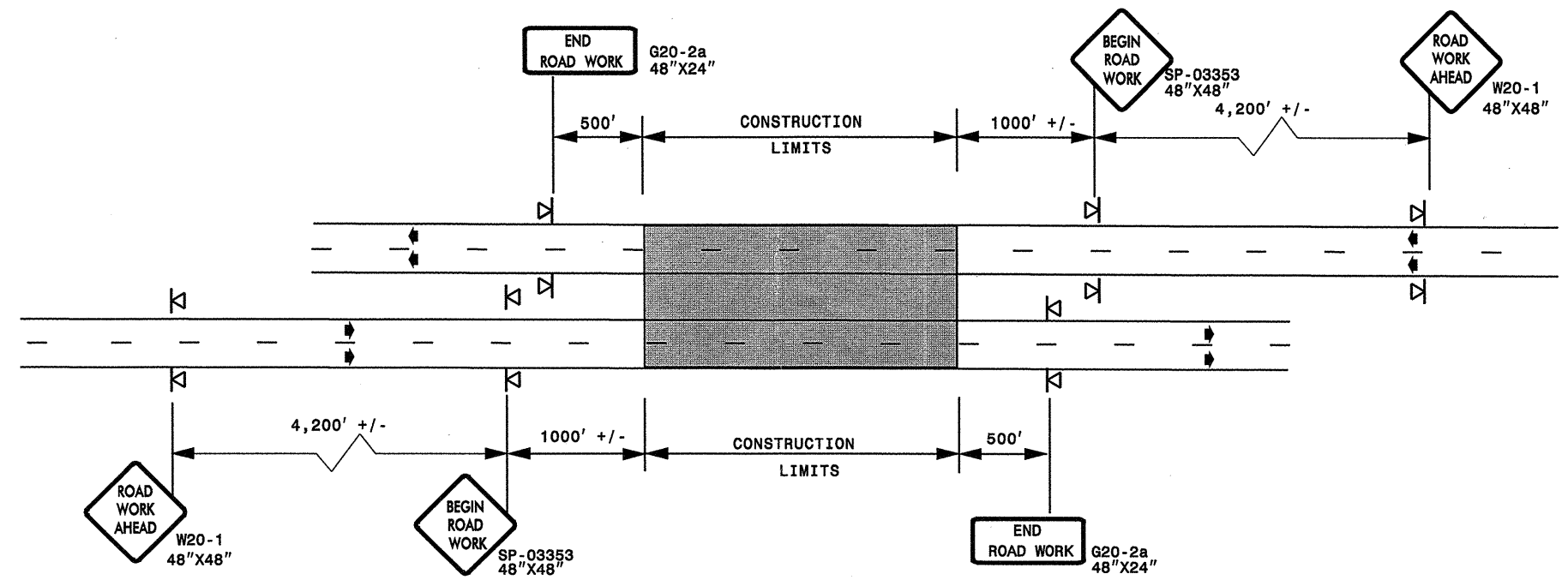
APPROVED: _____	DATE: _____	<p>DETAIL DRAWING FOR TWO-WAY UNDIVIDED ADVANCED WORK ZONE WARNING SIGNS</p>	SCALE: NONE		REVISIONS
			DWG. BY: _____ DESIGN BY: _____ REVIEWED BY: _____		7-98 10/01 10-98 03/04 01/01 11/04

H:\OCT-2007 17:20  
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 pseymore AT WZ1C237502



### ADVANCE WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

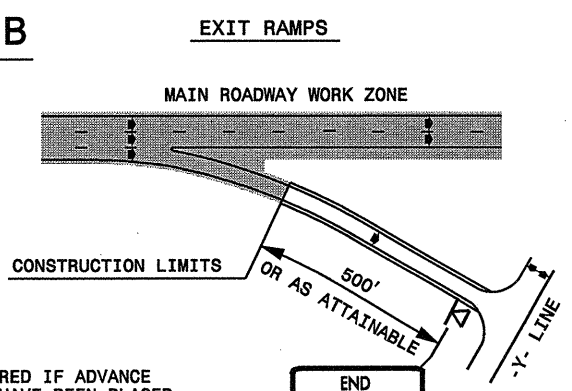
**DETAIL A**



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

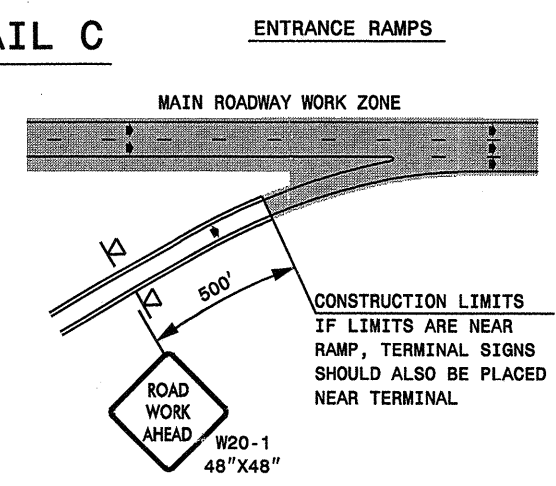
### ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

**DETAIL B**

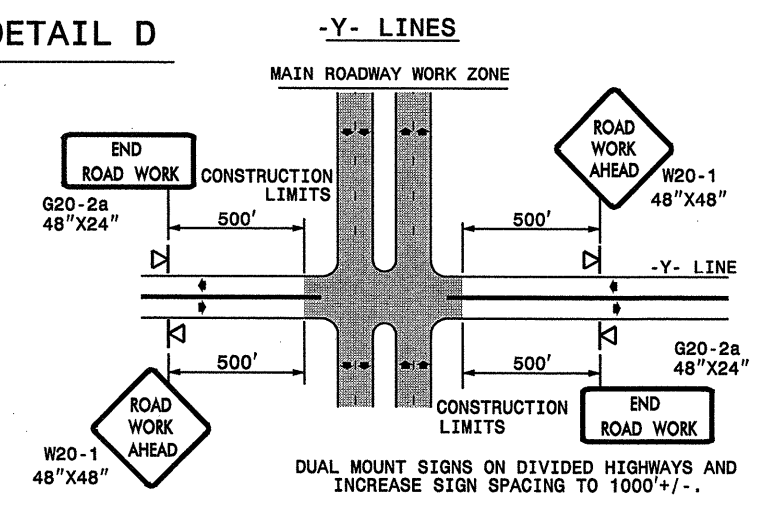


NOTE:  
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

**DETAIL C**



**DETAIL D**



DETAIL DRAWING  
FOR FREEWAYS  
WORK ZONE WARNING SIGNS  
(SHORT-DURATION LANE CLOSURES)

### GENERAL NOTES

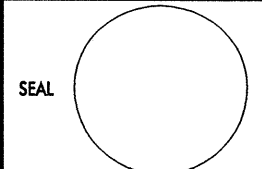
- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH 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 MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

**LEGEND**

◁ PORTABLE SIGN

➡ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

APPROVED: _____	DATE: _____	<b>DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS</b>	
			
SCALE: NONE	REVISIONS	7-98	10/01
DATE: _____	10-98	03/04	
DWG. BY: _____	01/01	11/04	
DESIGN BY: _____			
REVIEWED BY: _____			

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