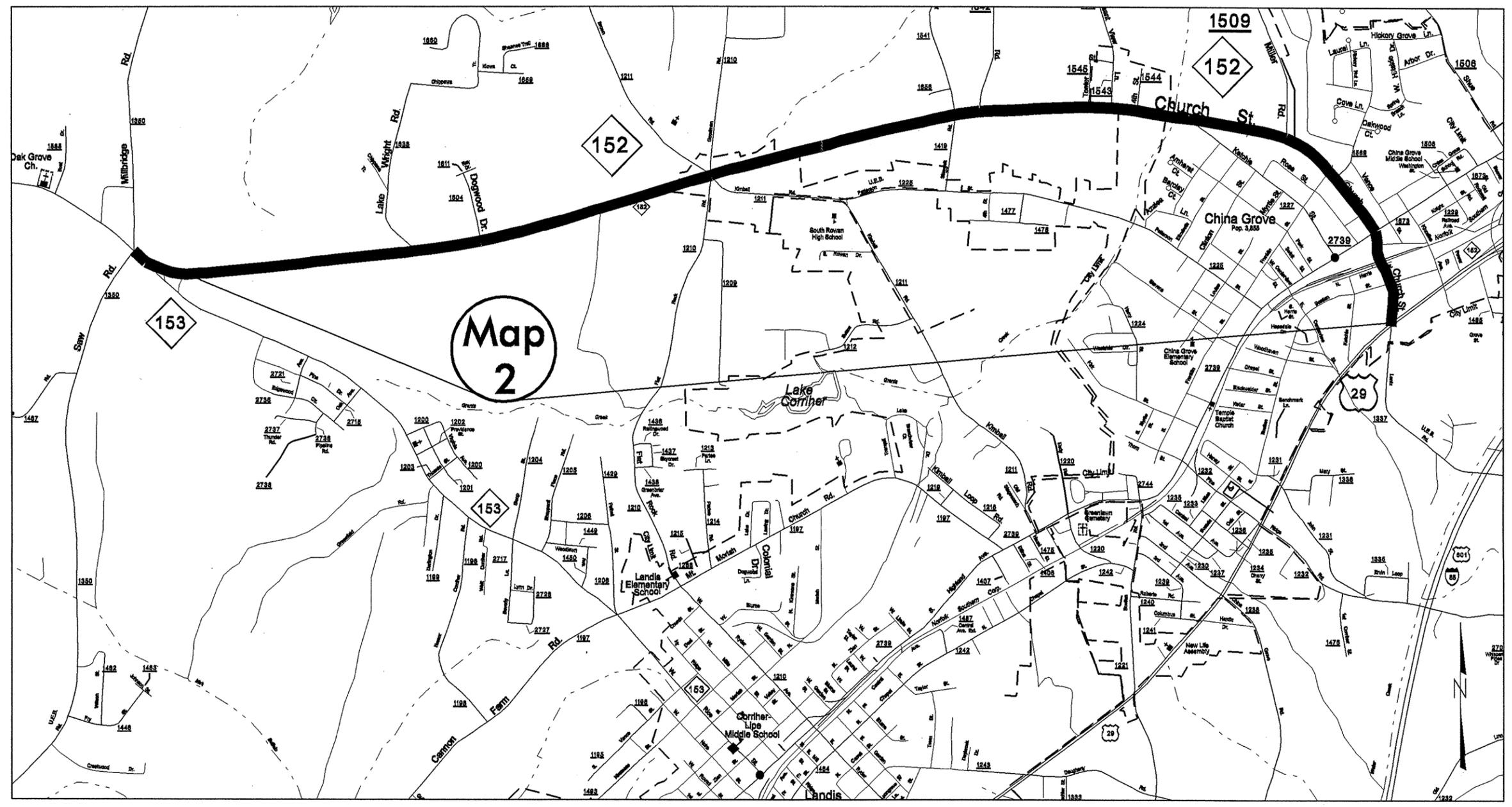


MAPS 1, 3, & 5

ROWAN COUNTY
NORTH CAROLINA

NOTES:
Map 2 NC 152 West
Mill gutter and pave back.
Mill map approaches.



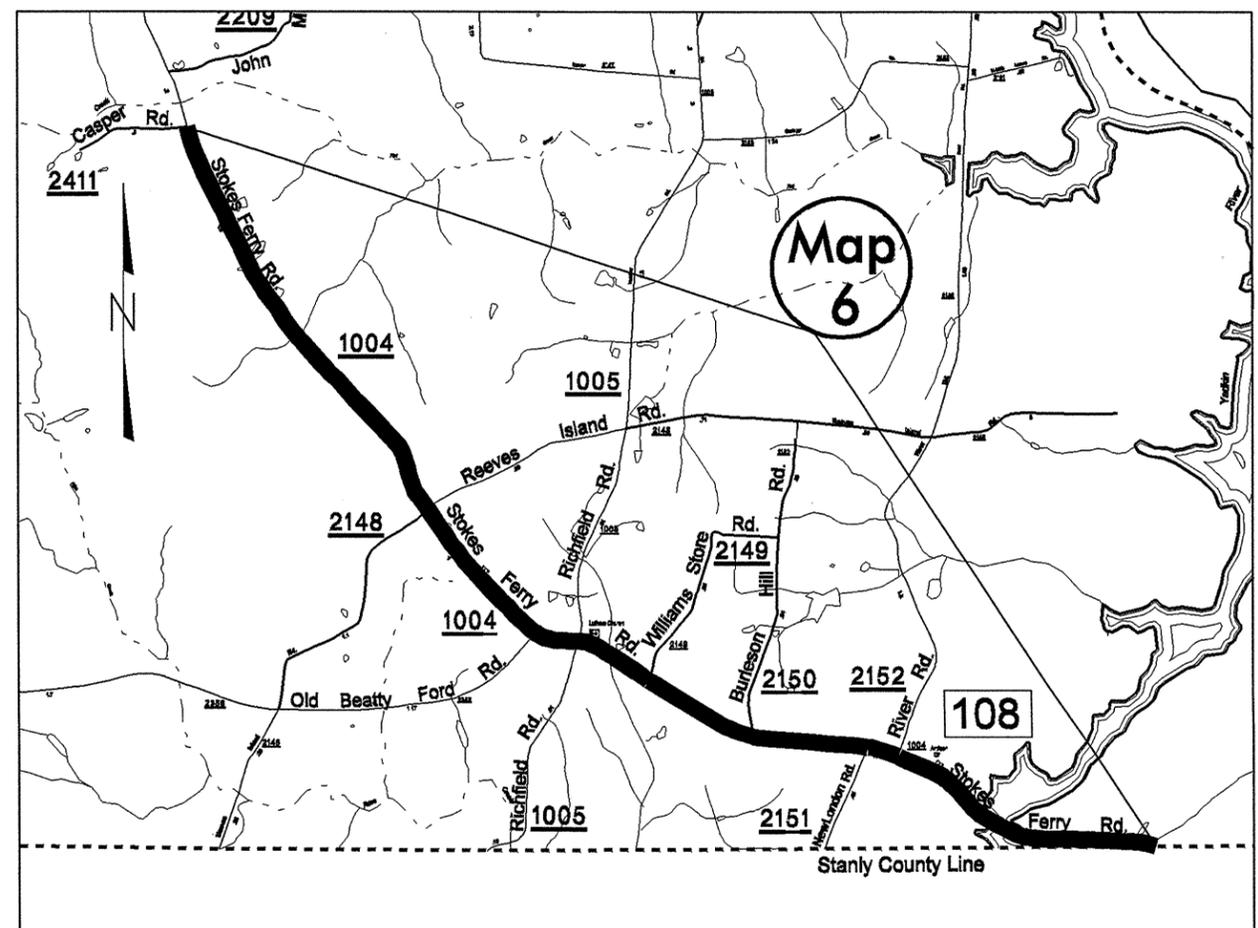
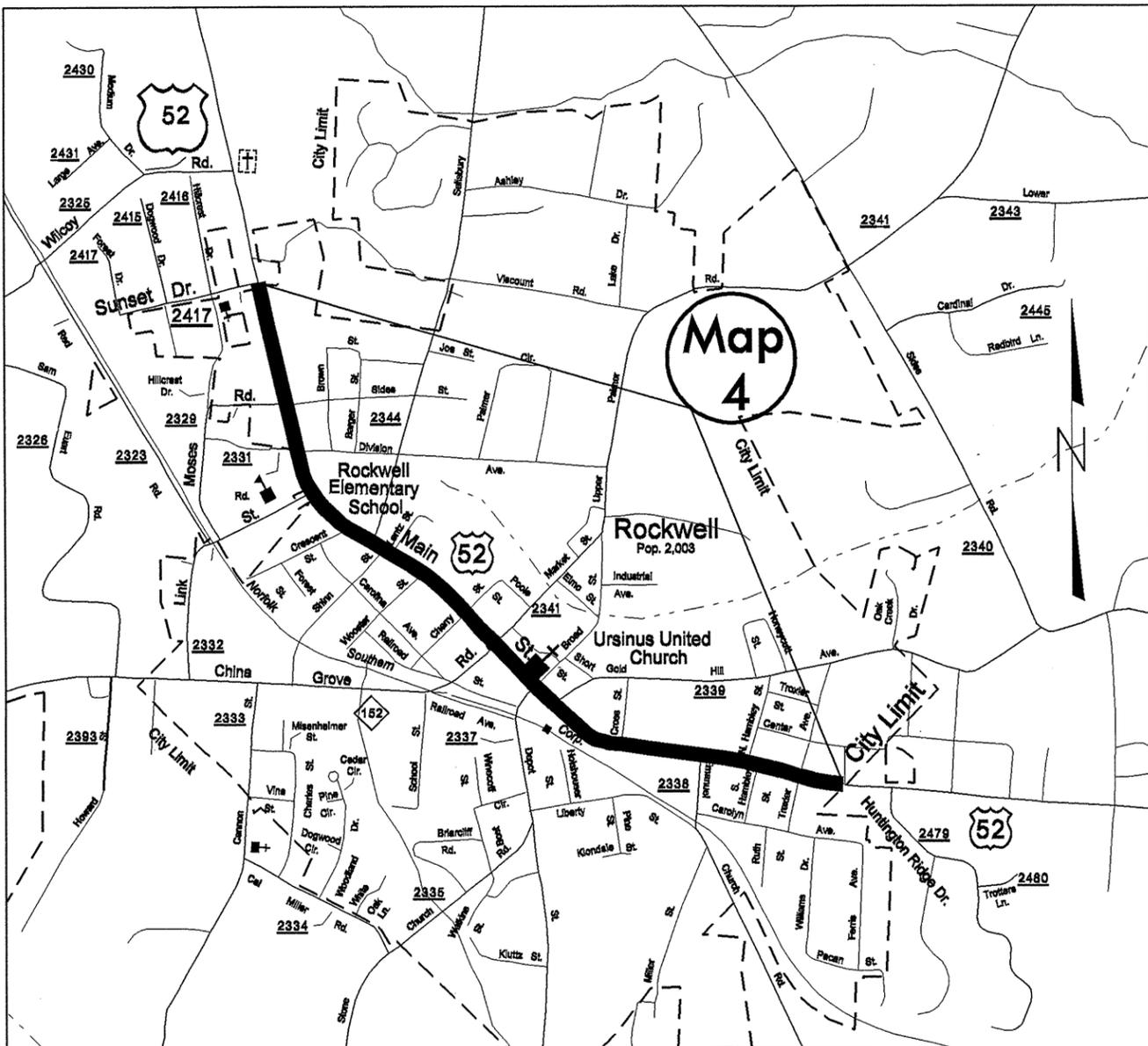
MAP 2

ROWAN COUNTY
NORTH CAROLINA

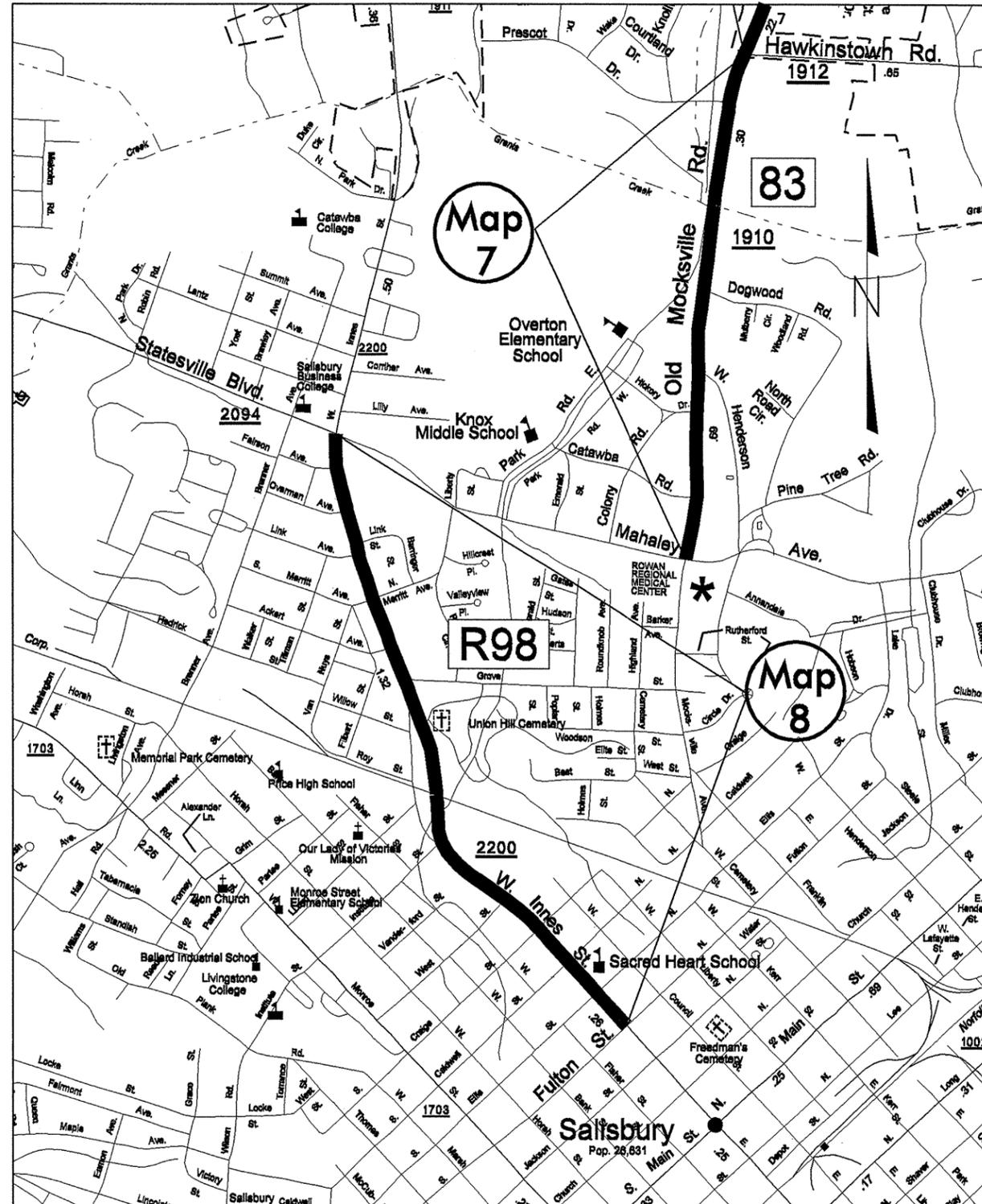
NOTES:

Map 4 US 52
 Curb reveal milling.

Map 6 SR 1004 Stokes Ferry Rd.
 Mill bridge, bridge approaches and map
 approaches.



MAPS 4 & 6

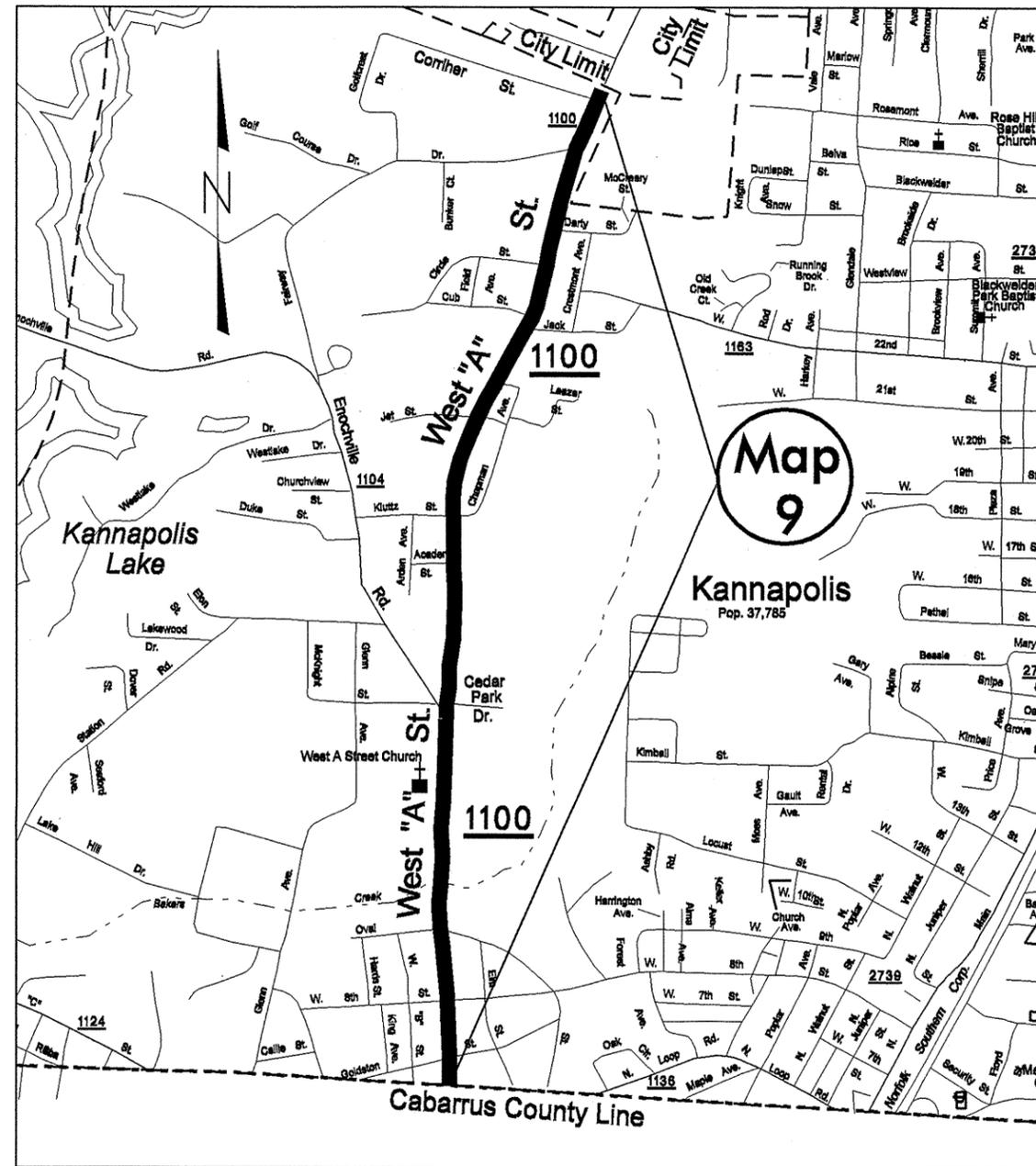


NOTES:

Map 7 SR 1910 Old Mocksville Rd.
 Trough gutter to E. Ridge Rd.
 Where gutter is paved, mill 0-1.5" and
 replace.
 Approach is settled on S. side of
 bridge.
 Gutter is settled at house #729.

Map 8 SR 2200 West Innes St.
 Curb reveal milling.
 Mill map approaches and under R/R
 bridge.

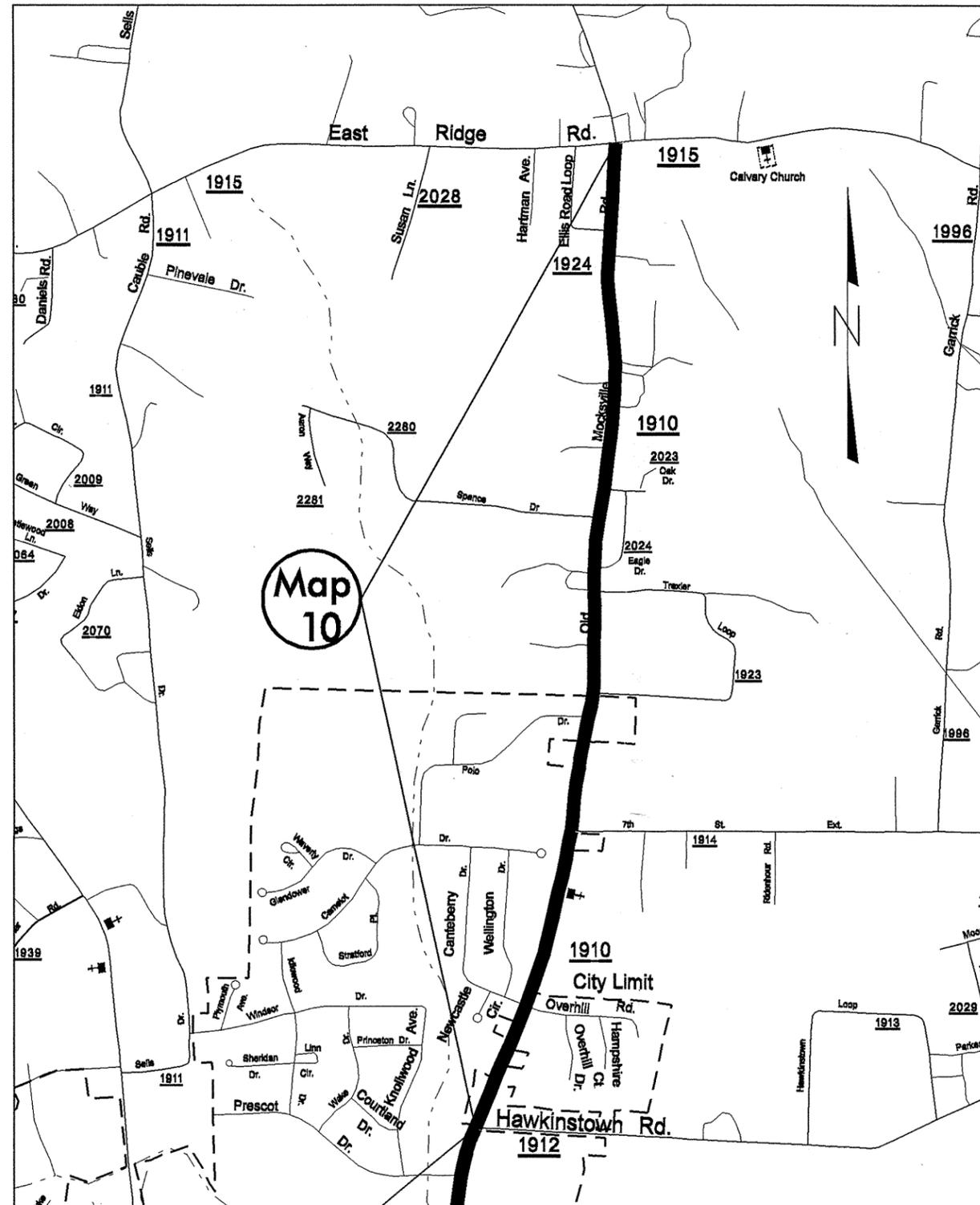
MAPS 7 & 8



NOTES:

Map 9 SR 1100 West A St.
Curb reveal milling.
Mill map approaches.

MAP 9



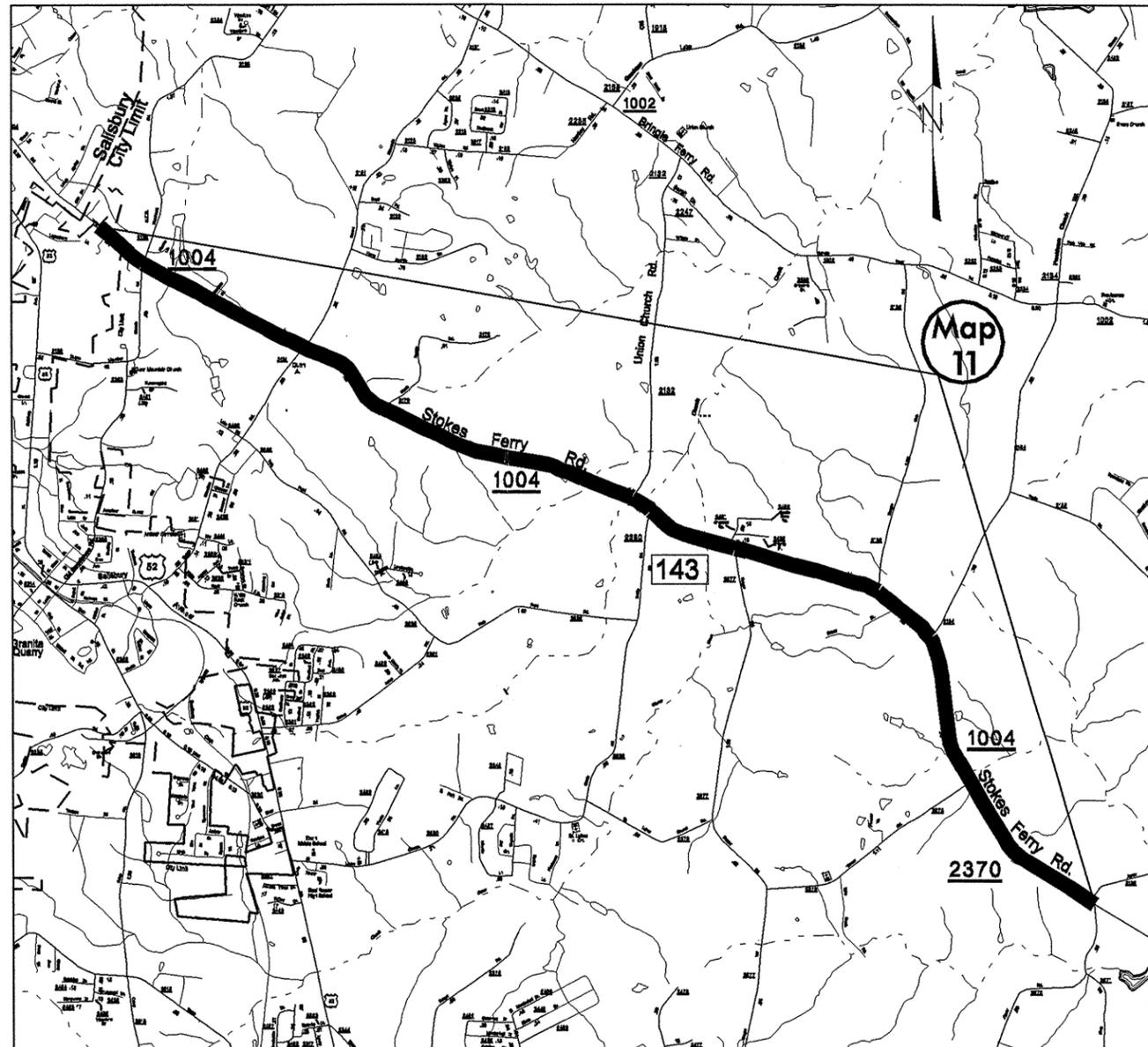
NOTES:

Map 10 SR 1910 Old Mocksville Rd.

MAP 10

NOTES:

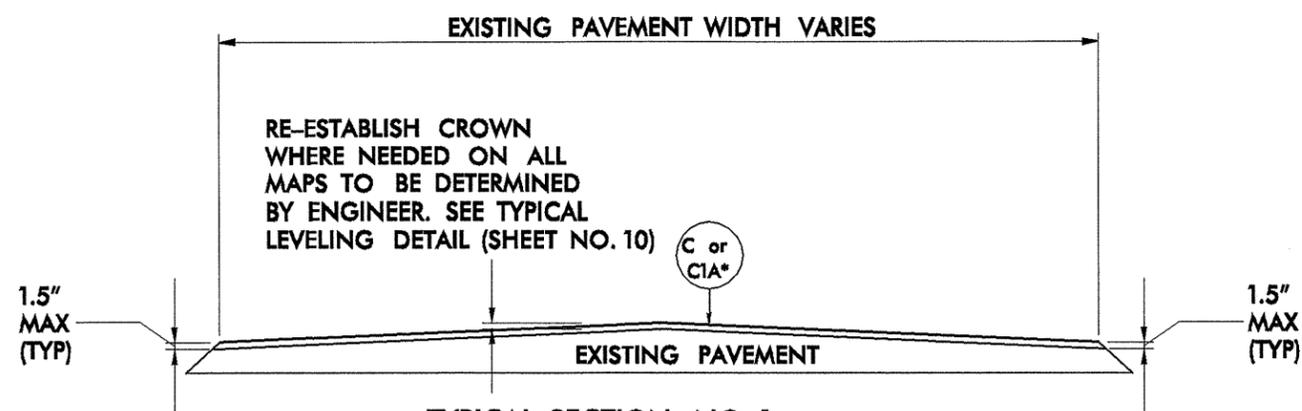
Map 11 SR 1004 Stokes Ferry Rd.
Mill bridge and bridge approaches.
Mill Map beginning and end.



MAP 11

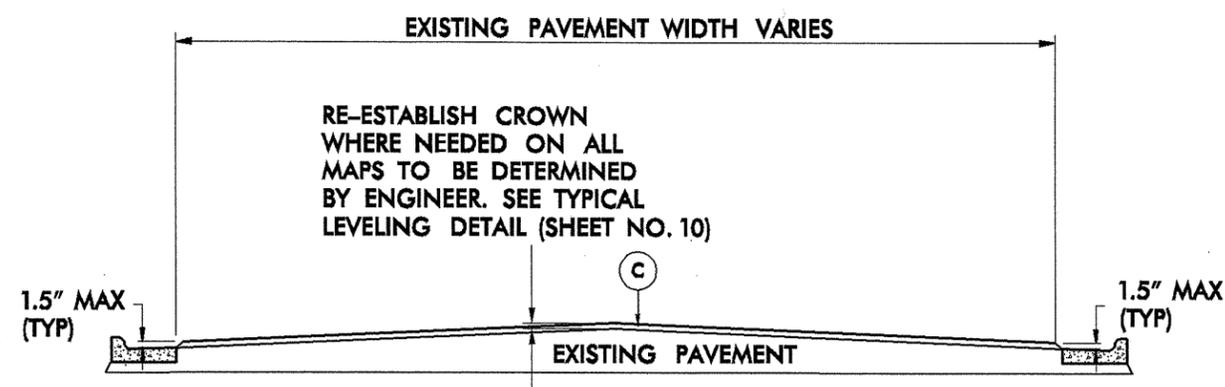
ROWAN COUNTY

NORTH CAROLINA

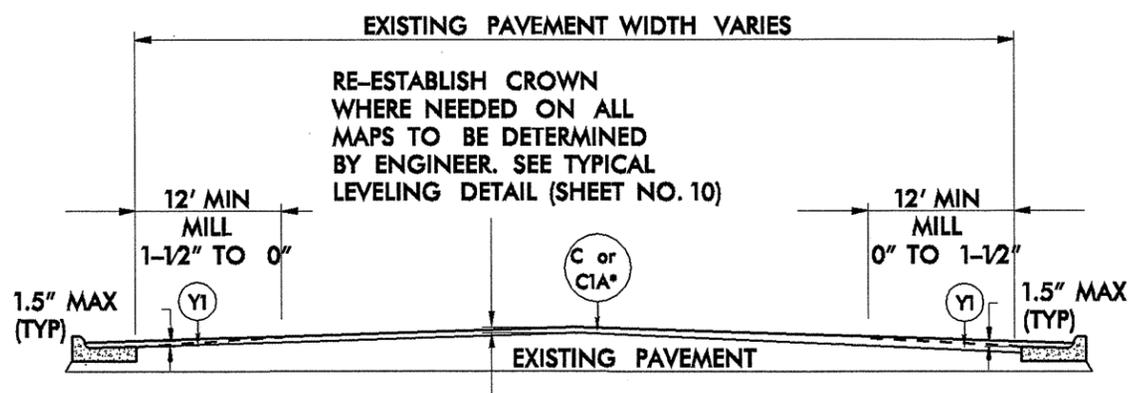


TYPICAL SECTION NO. 1
 MAP NO 3 NC 801
 MAP NO 4 US 52
 MAP NO 5 SR 1526 SHERRILLS FORD RD
 MAP NO 6 SR 1004 STOKES FERRY RD
 MAP NO 9 SR 1100 WEST A ST
 MAP NO 10 SR 1910 OLD MOCKSVILLE RD
 MAP NO 11 SR 1004 STOKES FERRY RD

* SEE SUMMARY OF QUANTITIES
 FOR ASPHALT MIX TYPE



TYPICAL SECTION NO. 3
 MAP NO 7 SR 1910 OLD MOCKSVILLE RD

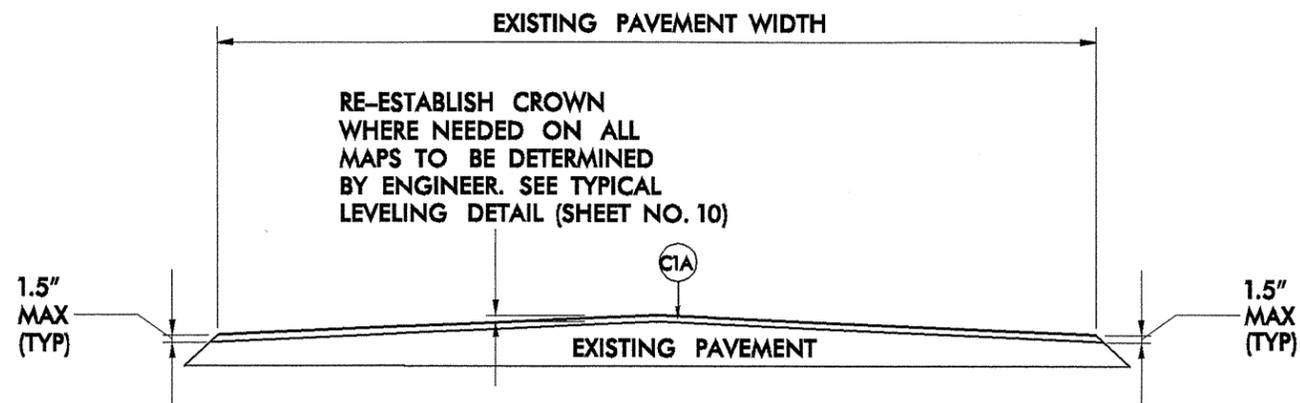


TYPICAL SECTION NO. 2
 MAP NO 2 NC 152 WEST
 MAP NO 7 SR 1910 OLD MOCKSVILLE RD

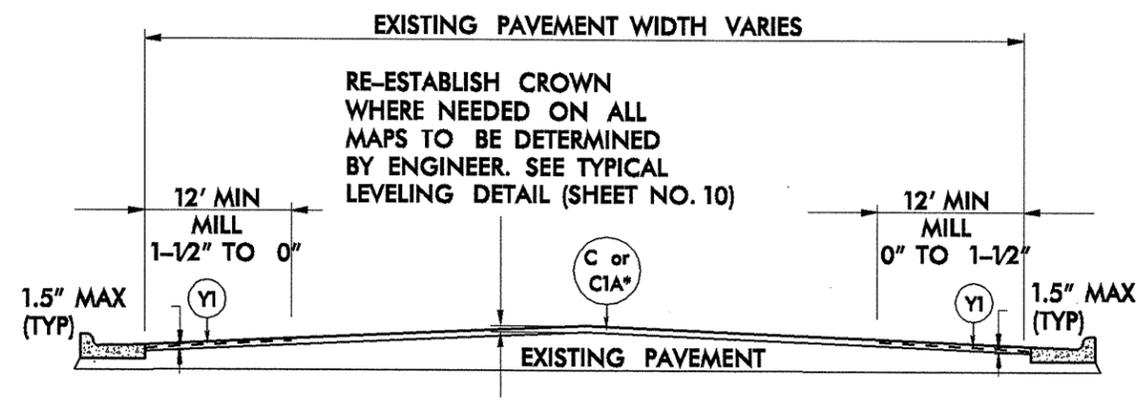
* SEE SUMMARY OF QUANTITIES
 FOR ASPHALT MIX TYPE

NOTE:
 All CURB AND GUTTER IS EXISTING

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1A	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE LEVELING COURSE, TYPE S9.5B
Y	MILL ASPHALT PAVEMENT, 1.5" DEPTH
Y1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH

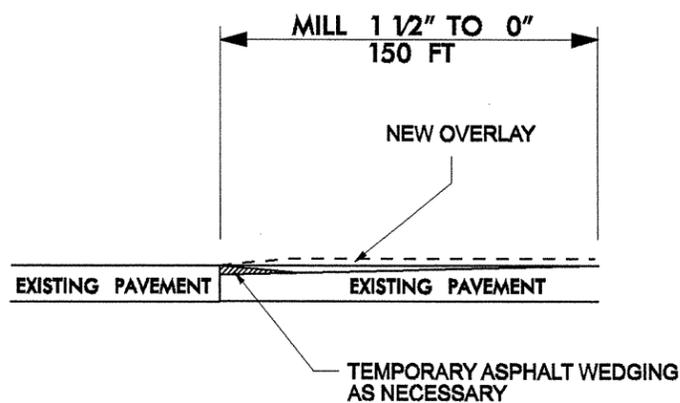


TYPICAL SECTION NO. 4
 MAP NO 1 NC 150
 MAP NO 2 NC 152 WEST



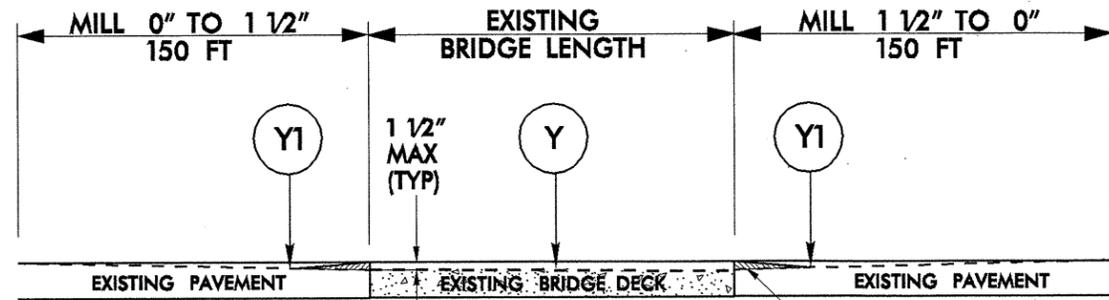
TYPICAL SECTION NO. 5
 MAP NO 4 US 52
 MAP NO 8 SR 2200 WEST INNES ST
 MAP NO 9 1100 WEST A ST

* SEE SUMMARY OF QUANTITIES
 FOR ASPHALT MIX TYPE



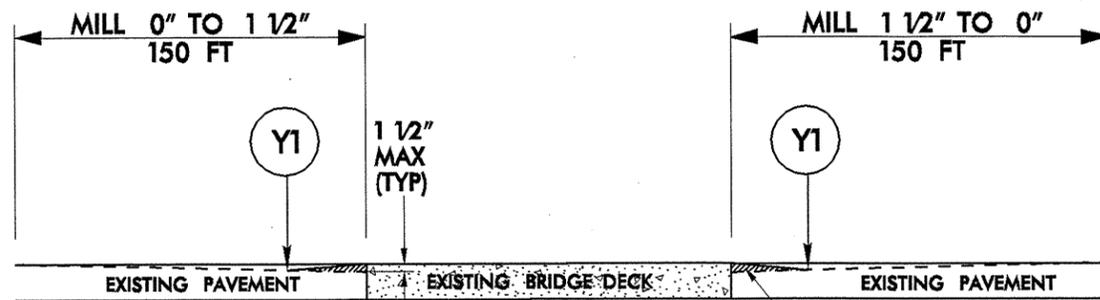
MILLED TIED-IN DETAIL
 MILLED PAVEMENT JOINT AT END OF MAPS 1, 2, 3, 5, 6, 8 AND 9

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1A	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE LEVELING COURSE, TYPE S9.5B
Y	MILL ASPHALT PAVEMENT, 1.5" DEPTH
Y1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH

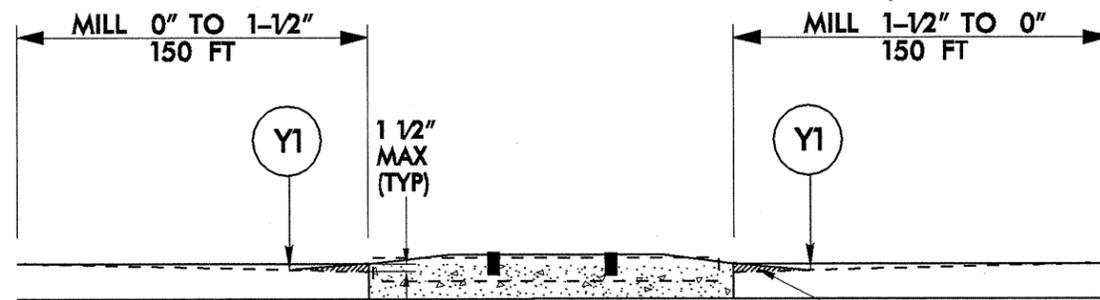


DETAIL A
MILL BRIDGE DECK AND APPROACHES
(SEE BRIDGE DATA SHEET FOR PAVING INSTRUCTIONS)

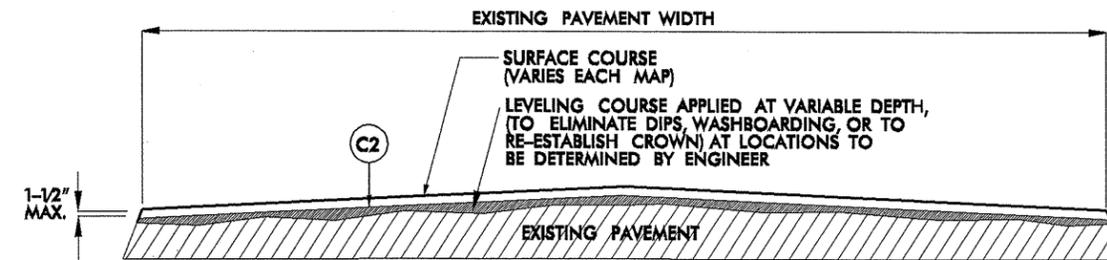
MAP NO 5 SR 1526 ROWAN MILL RD



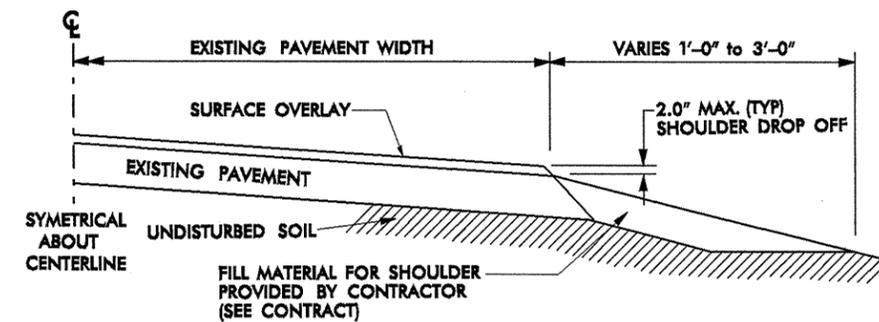
DETAIL B
MILLING BRIDGE APPROACHES
(SEE BRIDGE DATA SHEET FOR PAVING INSTRUCTIONS)



DETAIL C
MILLING RAILROAD CROSSING APPROACHES

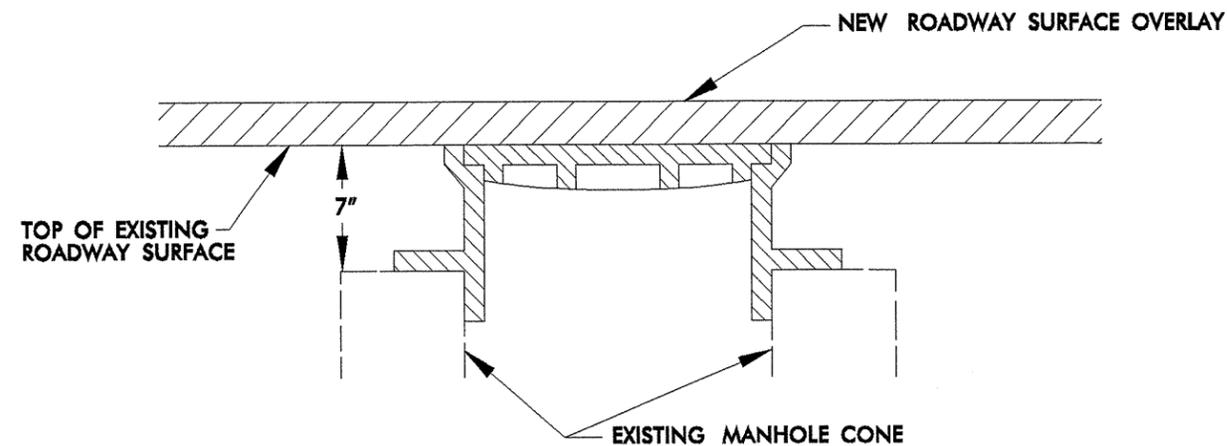
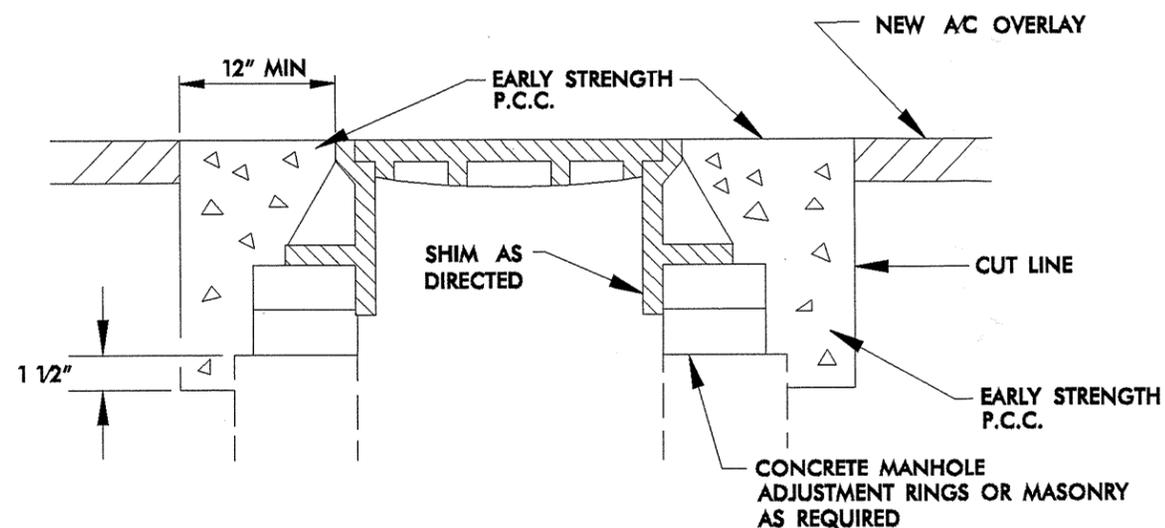


TYPICAL LEVELING DETAIL



SHOULDER DROP OFF REPAIR

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1A	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE LEVELING COURSE, TYPE S9.5B
Y	MILL ASPHALT PAVEMENT, 1.5" DEPTH
Y1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH

**STEP 1****STEPS 2,3, & 4**

- STEP 1** COVER EXISTING MANHOLE WITH APPROVED MATERIAL AND CONSTRUCT OVERLAY ACROSS TOP OF MANHOLE
- STEP 2** SAW CUT EXCAVATION AROUND MANHOLE 12" MIN. FROM MANHOLE FRAME.
- STEP 3** RAISE MANHOLE FRAME RINGS TO FINISH PAVEMENT PROFILE AND CROSS SLOPE.
- STEP 4** BACKFILL WITH EARLY STRENGTH P.C.C. TO DEPTHS AS DIRECTED.

MANHOLE ADJUSTMENT DETAIL**CONSTRUCTION NOTES:**

- ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
- CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 - PATCHING (WHEN REQUIRED)
 - PHASE 2 - LEVELING (AS DIRECTED BY ENGINEER)
 - PHASE 3 - SURFACE OVERLAY
 - PHASE 4 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - PHASE 5 - UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.
- BRIDGES THAT HAVE FLOOR DRAINS, SHALL HAVE ALL FLOOR DRAINS LEFT OPEN. EXTRA CARE SHALL BE EXERCISED IN MILLING (IF REQUIRED) AND IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE.
- TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD APPROACHES ARE MILLED (AND IF APPROACHES ARE MILLED PRIOR TO BRIDGE DECK).
- SOME MAPS MAY REQUIRE EXTRA ASPHALT SURFACE (LEVELING) TO BE PLACED TO ELIMINATE UNEVEN PAVEMENT, WASH BOARDING OR TO RE-ESTABLISH THE CROWN. THE QUANTITY AND LOCATION OF THIS ITEM SHALL BE AS DIRECTED BY THE ENGINEER.
- PAPER JOINTS ARE TO BE PLACED BETWEEN DAY'S OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610-11.
- ALL MILLED AREAS WILL BE PAVED DURING THE SAME DAYS OPERATION UNLESS APPROVED BY THE ENGINEER.
- REPLACE ANY PORTION OF STOP BARS AND OTHER PAVEMENT MARKINGS AT ANY INTERSECTION INCLUDING Y-LINES NOT ACTUALLY BEING PAVED OVER, THAT ARE OBLITERATED BY THE PAVING OPERATION EITHER BY HAULING WHEEL TRACKS OR TACK TRUCK BY THE END OF EACH RESURFACING OPERATION.

Map Number	Route Number	Route Name	Bridge Number	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Length (Ft)	Posting	Recommended Treatment From Bridge Maintenance
3	NC-801	801	28	Withrow Creek	Concrete	33.6 Ft.	165 Ft.	NP	Do Not Pave New Bridge Project TIP
6	SR1004	Stokes Ferry Road	108	Royals Creek	Concrete	24 Ft.	238 Ft.	SV 23 TTST 26	Mill 1 1/2" & Pave
7	SR1910	Old Mocksville Road	83	Grant's Creek	Concrete Cored Slab	35.9 Ft.	112 Ft.	NP	Pave
8	SR2200	West Innes Street	R-98	Railroad	N/A	N/A	N/A	N/A	Mill Under & Pave 15' 4" Vertical Clearance
5	SR1526	Sherrills Ford Rd	4	North Second Creek	Concrete	28 Ft.	183 Ft.	NP	Do Not Pave Bridge Mill Approaches
11	SR1004	Stokes Ferry Road	143	Church Creek	Concrete	24 Ft.	86 Ft.	SV22 TTST 28	Mill Bridge & Approaches and Pave

PROJECT NO.	SHEET NO.	TOTAL NO.
R-5173	13	13

SUMMARY OF QUANTITIES

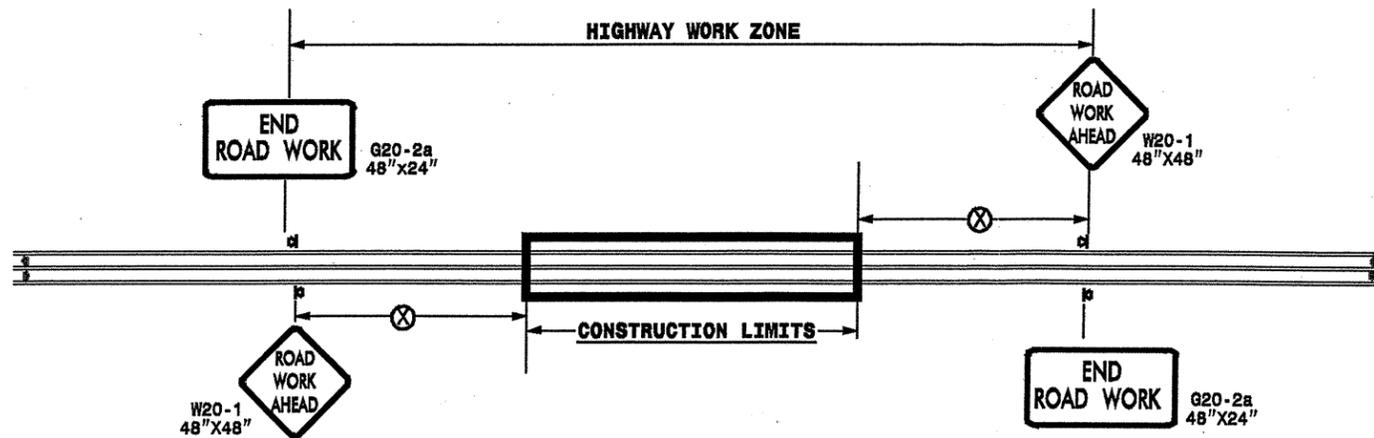
PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	TYP	LENGTH MI	WIDTH FT	FINAL SURFACE TESTING	SHOULDER DROP OFF REPAIR SMI	INCIDENTAL STONE BASE TONS	1 1/2" MILLING SY	VARIABLE DEPTH MILLING 6" - 1 1/2" SY	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJUSTMENT OF DROP INLETS EA	ADJUSTMENT OF MANHOLES EA	ADJUSTMENT OF METER OR VALVE BOX EA	LAW ENFORCEMENT HR	PORTABLE LIGHTING LS
R-5173	Rowan	1	NC 150	FROM SR 1509 MILLER ROAD TO BEGINNING OF CURB AND GUTTER IN FIVE LANE SECTION IN SALISBURY	4	4.19	23	NO	4.19	225		770		30	5,381		323	18				40	
-		2	NC 152 WEST	FROM SR 2739 US 29-A TO CHANGE IN PAVEMENT WIDTH	2,4	4.69	24	NO	4.69	180		3,650		30	6,474		388	18		2		40	
-		3	NC 801	NC 801 FROM US 70 TO SR 1526 SHERRILLS FORD ROAD	1	1.626	24	NO	1.63	30		2,000	2,250	16		135		18					
-		4	US 52	US 52 FROM SR 2417 SUNSET DRIVE TO CITY LIMITS	1,5	1.49	28	NO				14,650		16	3,080		185	18		16	23	100	*
TOTAL FOR PROJ NO. R-5173						11.996			10.51	435		21,070	2,250	92	14,935	135	896	72		18	23	180	1
R-5173	Rowan	5	SR 1526 ROWAN MILL ROAD / SHERRILL'S FORD ROAD	FROM NC 801 TO NC 150	1	7.47	23	NO	7.47	480	360	1,700	9,790	330		609		220	2	4	2	40	
-		6	SR 1004 STOKES FERRY ROAD	FROM CASPER ROAD SR 2411 TO STANLEY COUNTY LINE	1	5.41	24	NO	5.41	270	2,000	1,600	7,075	300		425							
-		7	SR 1910 OLD MOCKSVILLE ROAD	FROM MAHALEY AVENUE TO SR 1912 HAWKINTOWN ROAD	2,3	0.993	24	NO	0.25		370	4,000	1,639	16		98				8	15	80	
-		8	SR 2200 WEST INNES STREET	SR 2200 WEST INNES STREET FROM FULTON STREET TO SR 2094 STATESVILLE BOULEVARD	5	1.29	44	NO			560	19,450			3,678		221			38	18	120	*
-		9	SR 1100 WEST A STREET	SR 1100 WEST A STREET FROM CABARRUS COUNTY LINE TO SOUTH CITY LIMITS OF LANDIS	1,5	1.745	19	NO		186		1,700	1,925	16		115				10	16		
-		10	SR 1910 OLD MOCKSVILLE ROAD	FROM SR 1912 HAWKINTOWN ROAD TO PAVEMENT JOINT AT SR 1915 EAST RIDGE ROAD	1	1.9	18	NO	3.8	156			1,867	220		126		132				40	
-		11	SR 1004 STOKES FERRY ROAD	FROM SR 2370 ST. PETERS CHURCH ROAD TO SALISBURY CITY LIMITS	1	6.28	24	NO	6.28	351	1,000	1,600	8,213	225		503		88					
TOTAL FOR PROJ NO. R-5173						25.088			23.21	1,443	4,290	30,050	30,509	1,107	3,678	1,876	221	440	2	60	51	280	1
GRAND TOTAL						37.084			33.72	1,878	4,290	51,120	32,759	1,199	18,613	2,011	1,117	512	2	78	74	460	1

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO.	COUNTY	MAP NO.	ROUTE	DESCRIPTION	4885000000-E		4896000000-E		4895000000-E		4897000000-E		4700000000-E		4889000000-N		4710000000-E		4721000000-E		4725000000-E		4810000000-E		4820000000-E		4835000000-E		4840000000-N		4845000000-N		4805000000-N			
					4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	8" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 120 M YELLOW THERMO	8" X 120 M WHITE THERMO	12" X 90 M WHITE THERMO	TRAFFIC CONTROL	24" X 120 M WHITE THERMO	THERMO MSG SCHOOL 120 M EA	THERMO MSG ONLY 120 M EA	THERMO RXR 120 M EA	THERMO RT ARROW 90 M EA	THERMO LT ARROW 90 M EA	THERMO STR & RT ARROW 90 M EA	THERMO STR ARROW 90 M EA	THERMO STR & LT ARROW 90 M EA	4" YELLOW PAINT	4" WHITE PAINT	8" YELLOW PAINT	8" WHITE PAINT	24" WHITE PAINT	PAINT MSG SCHOOL EA	PAINT MSG ONLY EA	PAINT RT ARROW EA	PAINT LT ARROW EA	PAINT STR & RT ARROW EA	PAINT STR ARROW EA	PAINT STR & LT ARROW EA	SNOW PLOWABLE MARKERS EA	
R-5173	Rowan	1	NC 150	FROM SR 1509 MILLER ROAD TO BEGINNING OF CURB AND GUTTER IN FIVE LANE SECTION IN SALISBURY	45,084	44,246	520	50						100					2	4	4			2,500						2	4	4		277		
-		2	NC 152 WEST	FROM SR 2739 US 29-A TO CHANGE IN PAVEMENT WIDTH	48,964	49,526	450	380	250	300				160					7	10	4			2,500					7	10	4	2	1	310		
-		3	NC 801	NC 801 FROM US 70 TO SR 1526 SHERRILLS FORD ROAD	17,496	17,171	200	200						124	12						3													107		
-		4	US 52	US 52 FROM SR 2417 SUNSET DRIVE TO CITY LIMITS	1,700	19,670		105			140	1,700		280	12				2	34	4			19,670	1,680	105	140	100	12	2	34	4		197		
TOTAL FOR PROJ NO. R-5173					113,244	130,613	1,170	735	250	300	140	1,700	1	664	24				11	51	12	2	1	24,670	1,680	655	140	324	24	11	48	12	2	1	891	
						131,783		985		440					24				77				26,350	795		24		74								
R-5173	Rowan	5	SR 1526 ROWAN MILL ROAD / SHERRILL'S FORD ROAD	FROM NC 801 TO NC 150	80,377	78,883	200	150											1	2																
-		6	SR 1004 STOKES FERRY ROAD	FROM CASPER ROAD SR 2411 TO STANLEY COUNTY LINE	58,212	42,847																														
-		7	SR 1910 OLD MOCKSVILLE ROAD	FROM MAHALEY AVENUE TO SR 1912 HAWKINTOWN ROAD	3,500	10,486	150				70			24						2	2															
-		8	SR 2200 WEST INNES STREET	SR 2200 WEST INNES STREET FROM FULTON STREET TO SR 2094 STATESVILLE BOULEVARD		16,347	3,800	323			950			424	24	12				22	18		11	8	16,500	3,800	350	950	424	24	12		22	18	11	8
-		9	SR 1100 WEST A STREET	SR 1100 WEST A STREET FROM CABARRUS COUNTY LINE TO SOUTH CITY LIMITS OF LANDIS	16,168	18,427																														
-		10	SR 1910 OLD MOCKSVILLE ROAD	FROM SR 1912 HAWKINTOWN ROAD TO PAVEMENT JOINT AT SR 1915 EAST RIDGE ROAD	20,444	20,064																														
-		11	SR 1004 STOKES FERRY ROAD	FROM SR 2370 ST. PETERS CHURCH ROAD TO SALISBURY CITY LIMITS	67,573	66,317								125																						
TOTAL FOR PROJ NO. R-5173					246,274	253,371	4,150	473			1,020			1	573	24	12		1	26	20	11	8	16,500	3,800	350	950	424	24	12		22	18	11	8	
						257,521		473		1,020					36				66				20,300	1,300		36		59								
GRAND TOTAL					359,517	383,984	5,320	1,208	250	300	1,160	1,700	1	1,237	48	12		12	77	32	13	9	41,170	5,480	1,005	1,090	748	48	12	11	70	30	13	9	891	
						389,304		1,458		1,460					60				143				46,650	2,095		60		133								

All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

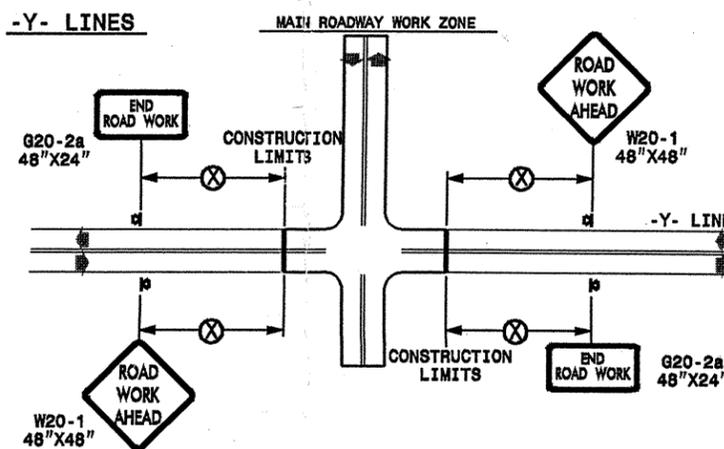
TWO-WAY UNDIVIDED ** (L-LINES)



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 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

SHEET 1 OF 1

DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

APPROVED: _____	DATE: _____	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: _____			

28-APR-2009 13:05
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