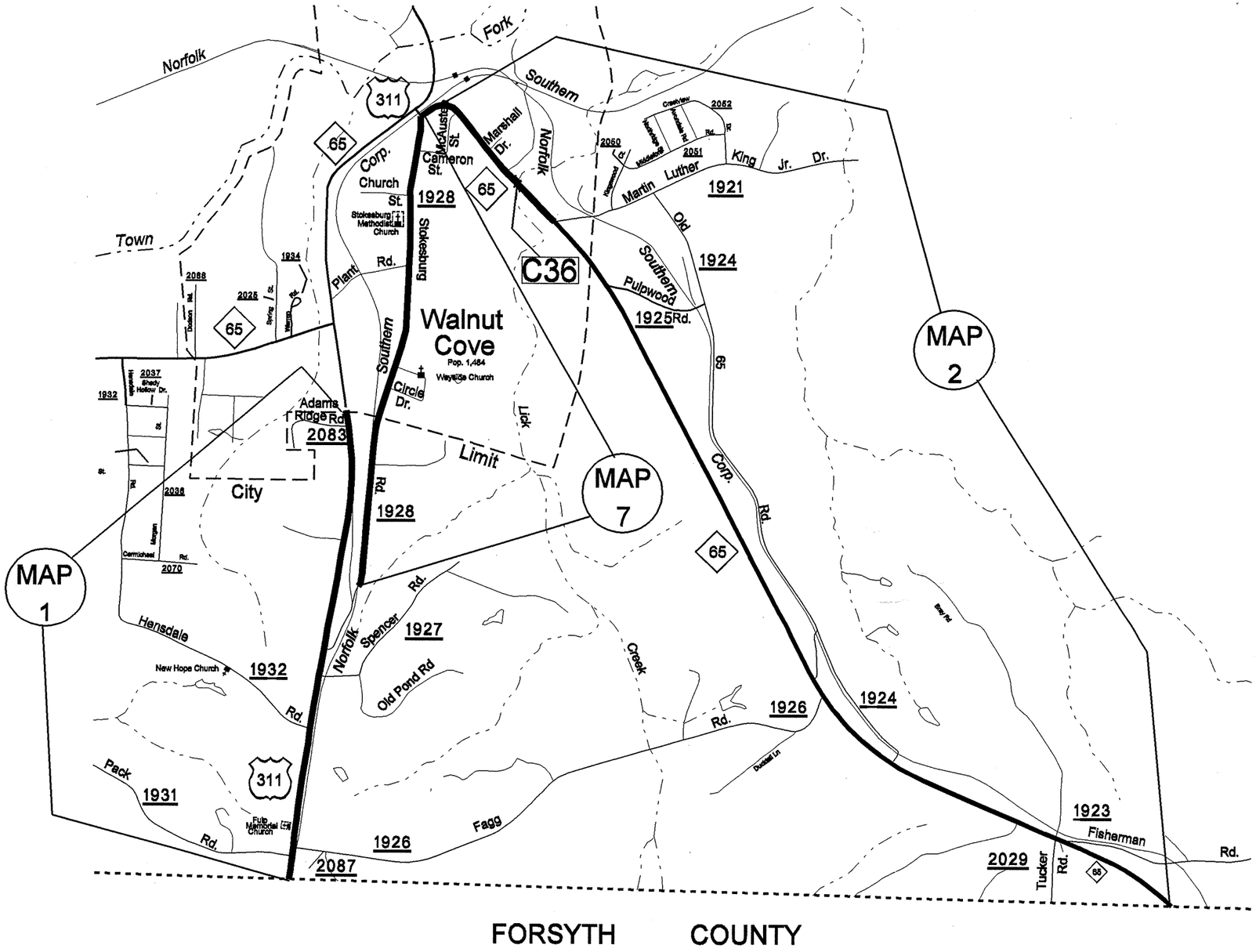
SHEET NO 1 OF 12
STOKES COUNTY
FORSYTH COUNTY
W. O. NOS. 9CR.10851.5,
9CR.20341.1, AND 9CR.20851.5
LOCATION MAP (1 OF 4)



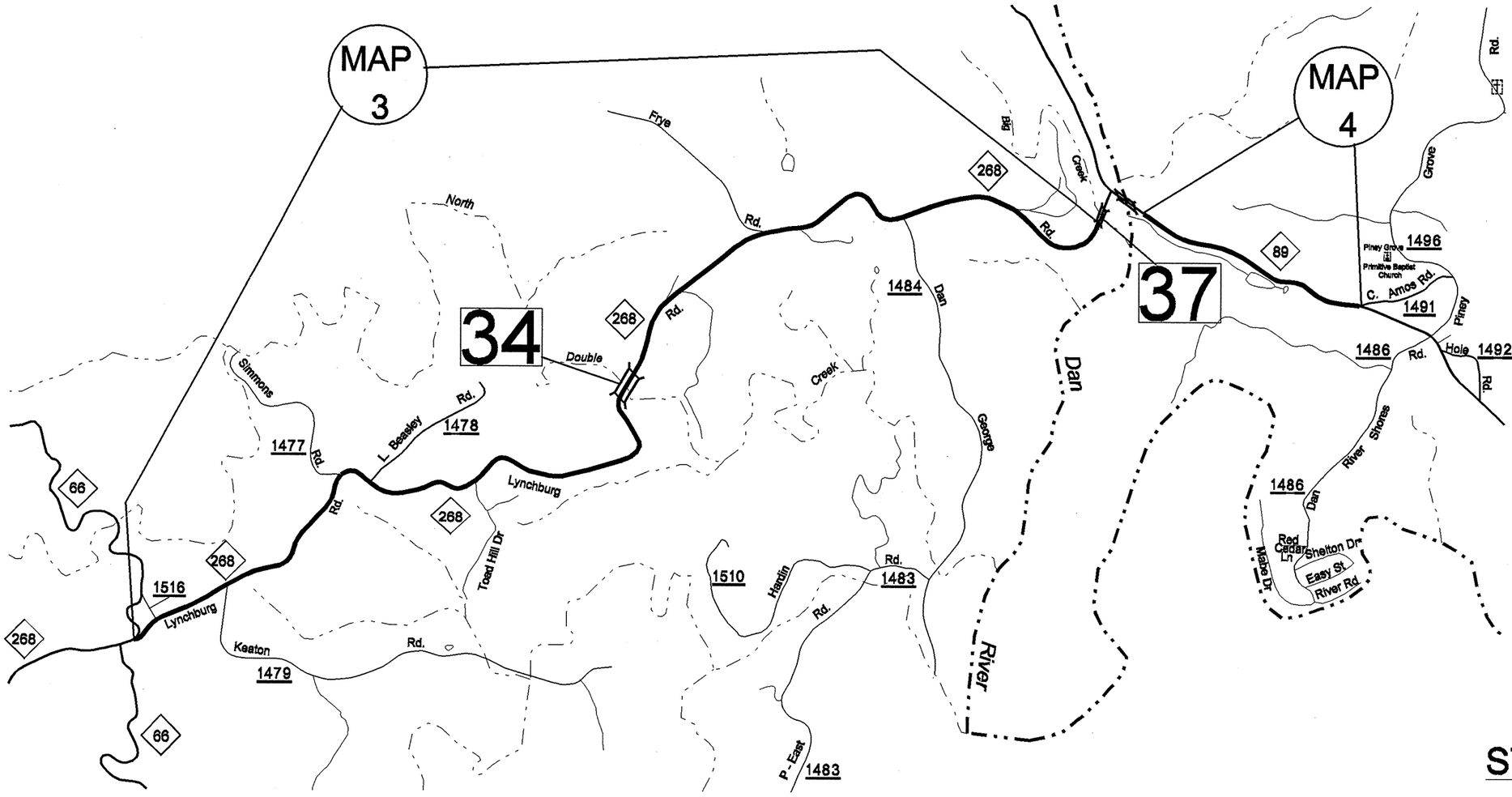
N

STOKES COUNTY

NORTH CAROLINA

9CR108515maps127.dgn

SHEET NO 2 OF 12
STOKES COUNTY
FORSYTH COUNTY
W. O. NOS 9CR.10851.5,
9CR.20341.1, AND 9CR.20851.5
LOCATION MAP (2 OF 4)

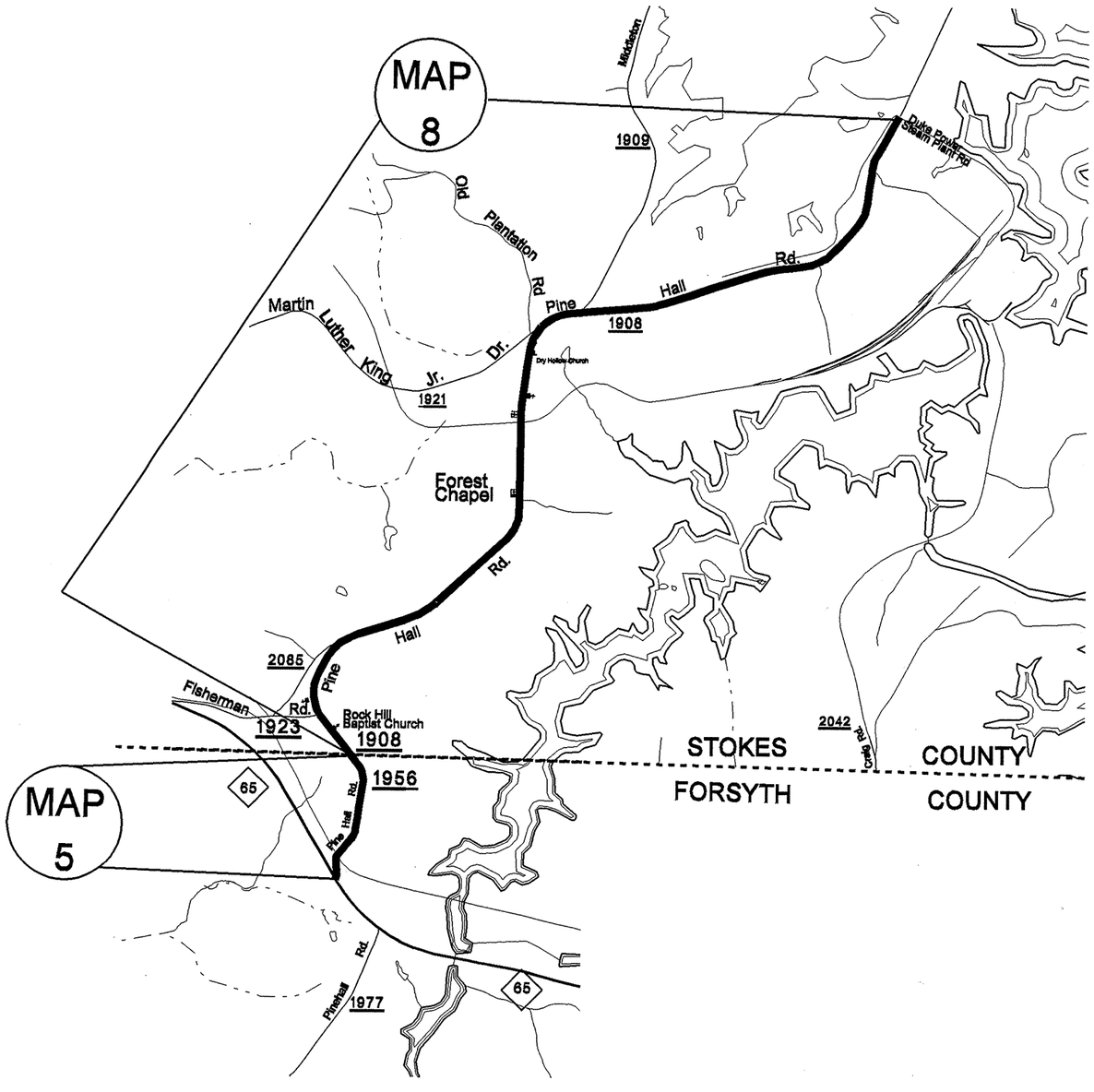


STOKES COUNTY

NORTH CAROLINA

9CR108515maps34.dgn

SHEET NO 3 OF 12
STOKES COUNTY
FORSYTH COUNTY
W. O. NOS 9CR.10851.5,
9CR.20341.1, AND 9CR.20851.5
LOCATION MAP (3 OF 4)

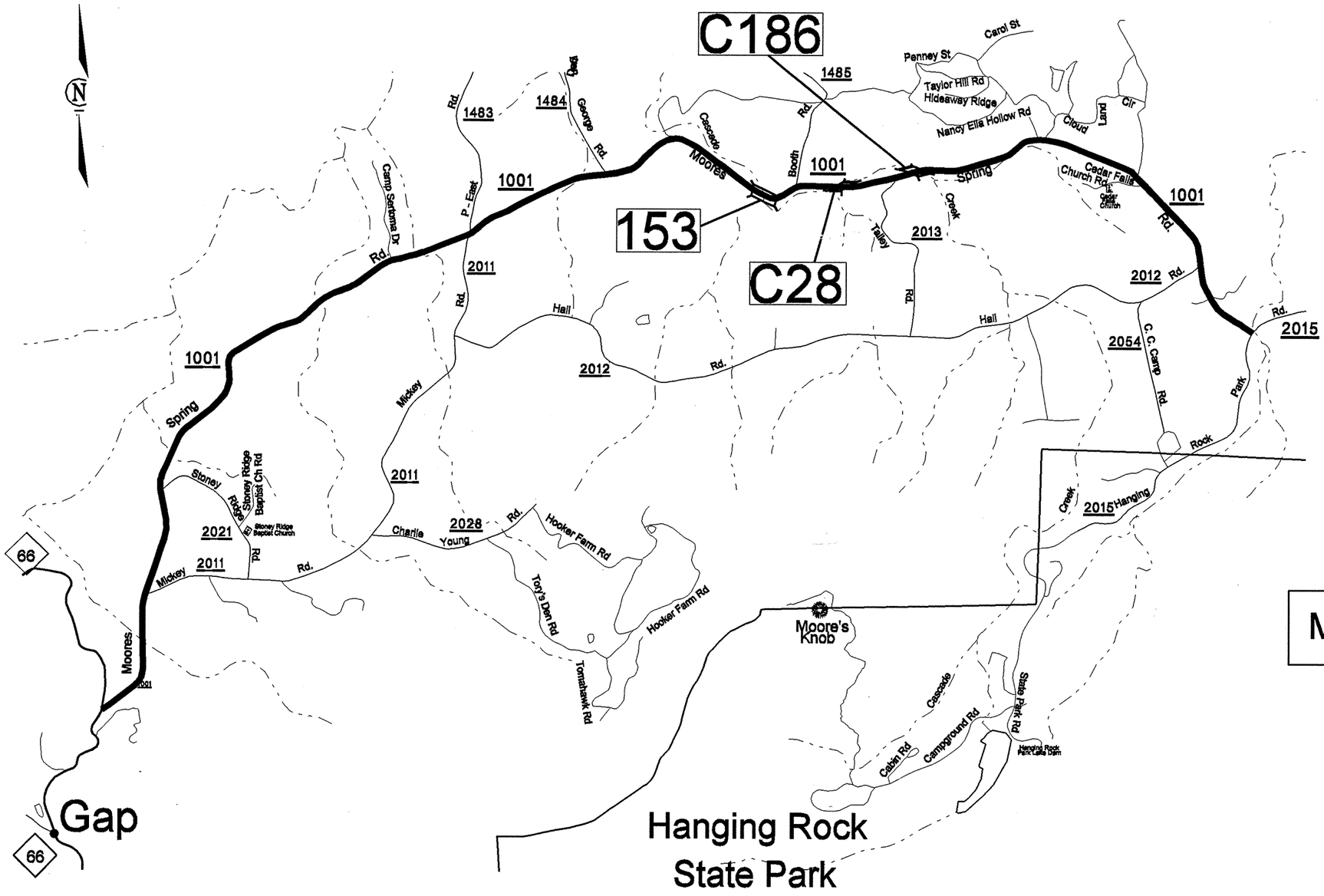


STOKES COUNTY

NORTH CAROLINA

9CR108515maps5B.dgn

SHEET NO 4 OF 12
STOKES COUNTY
FORSYTH COUNTY
W. O. NOS 9CR.10851.5,
9CR.20341.1, AND 9CR.20851.5
LOCATION MAP (4 OF 4)



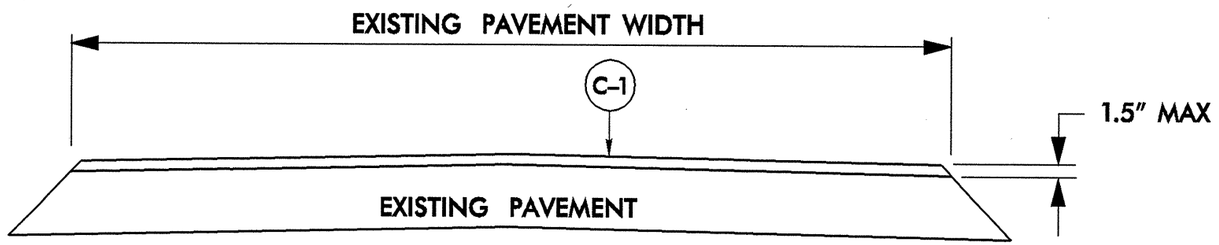
MAP NO. 6

STOKES COUNTY

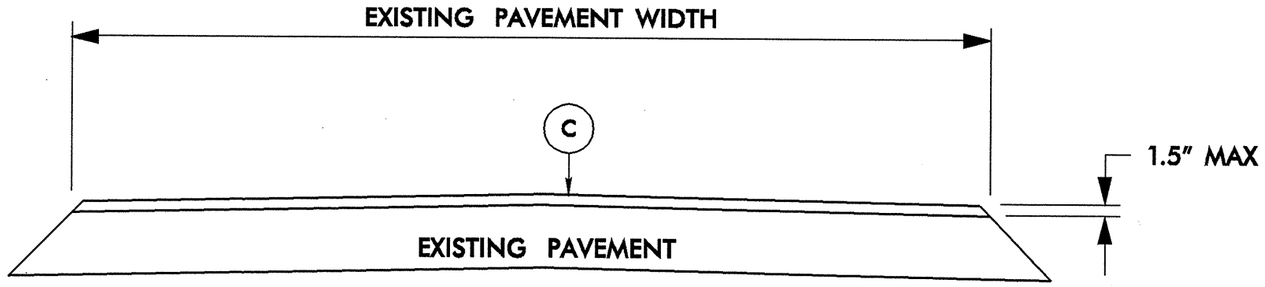
NORTH CAROLINA

9CR108515map6.dgn

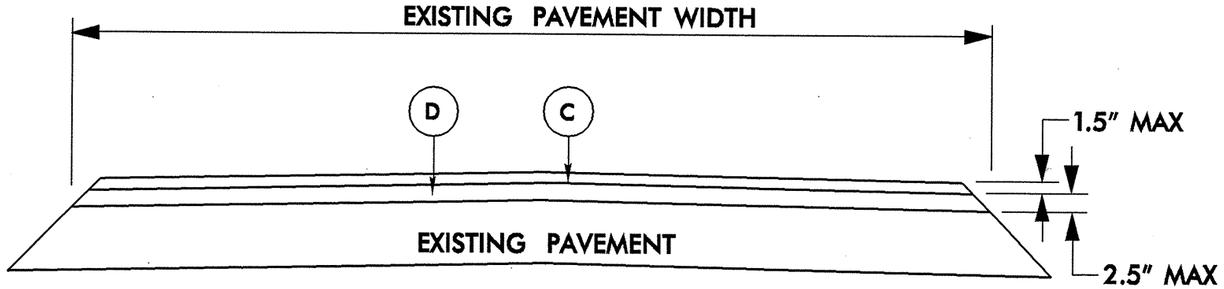
STOKES COUNTY
FORSYTH COUNTY
W.O. NOS. 9CR.10851.5,
9CR.20341.1 AND 9CR.20851.5
TYPICAL SECTION SHEET (1 OF 2)



TYPICAL SECTION NO. 1



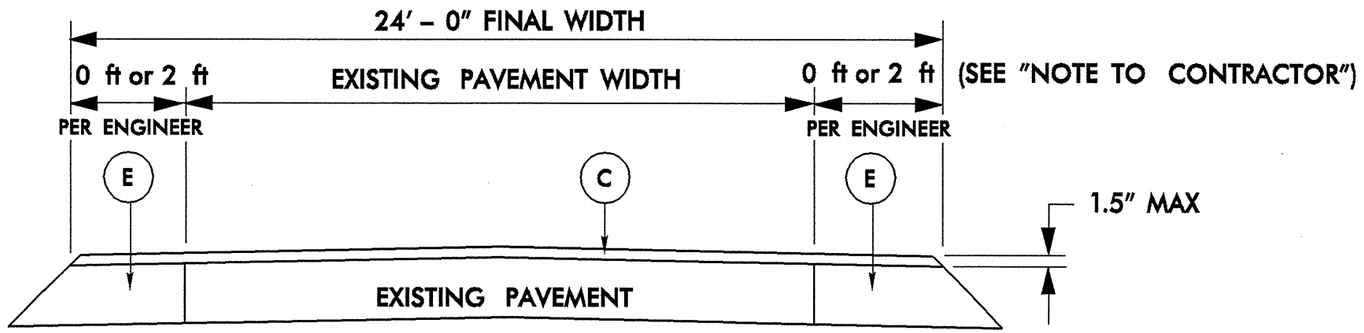
TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 3

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
C-1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
D	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE I19.0C, TO BE APPLIED AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E	PROP APPROX 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, TO BE APPLIED AT A RATE OF 627 LBS PER SQ YD
Y	MILL ASPHALT PAVEMENT, 1.5" DEPTH
Y-1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH

9CR108515typ1.dgn



TYPICAL SECTION NO. 4

CONSTRUCTION NOTES:

1. EDGES, PAVEMENT WIDENINGS, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE CONTRACT PRICE AND THE ESTIMATED QUANTITIES INDICATED IN THE 'SUMMARY OF QUANTITIES'.

2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:

PHASE 1 – MILLING (WHEN REQUIRED)
PHASE 2 – LEVELING (AS DIRECTED BY THE ENGINEER)
PHASE 3 – SHOULDER RECONSTRUCTION (ALL WIDENING)
PHASE 4 – SURFACE OVERLAY
PHASE 5 – UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.

3. BRIDGES TO BE RESURFACED (SEE 2007 BRIDGE DATA LISTING) THAT HAVE FLOOR DRAINS, SHALL HAVE ALL FLOOR DRAINS LEFT OPEN. EXTRA CARE SHALL BE EXERCISED IN MILLING (IF REQUIRED) AND IN PLACING WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE.

4. TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD CROSSING APPROACHES ARE MILLED (AND IF BRIDGE APPROACHES ARE MILLED PRIOR TO OR WITHOUT MILLING THE BRIDGE DECK).

5. ON MAPS WHERE LEVELING IS INDICATED (SEE 'SUMMARY OF QUANTITIES'), EITHER FOR RIDEABILITY OR TO RE-ESTABLISH THE CROWN, THE QUANTITY AND LOCATION OF SUCH LEVELING SHALL AT THE DISCRETION OF THE ENGINEER

6. FOR TWO-LANE TWO-WAY UNDIVIDED ROADWAYS – IT SHALL BE UNDERSTOOD THAT TYPICALLY ON A ROADWAY MEASURING 20 FEET OR LESS IN WIDTH, THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED NO LESS THAN SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON ROADWAYS MEASURING 22 FEET IN WIDTH, THE TRAVEL LANES SHALL MEASURE 10 FEET AND THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 24 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 11 FEET IN WIDTH AND THE CENTER OF THE WHITE EDGELINE SHALL BE NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 26 FEET OR MORE IN WIDTH, TRAVEL LANES SHALL MEASURE 12 FEET AND THE CENTER OF THE WHITE EDGELINE SHALL BE NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE. THIS SHALL BE CONSIDERED STANDARD PRACTICE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

NOTE TO CONTRACTOR

IT IS STRONGLY RECOMMENDED THAT WIDENING NOT BE PLACED AT LESS THAN TWO FOOT WIDTHS, AS IT IS VERY DIFFICULT TO ACHIEVE PROPER COMPACTION AT SUCH WIDTHS.

DEPENDING ON FIELD CONDITIONS, THE ENGINEER MAY REQUIRE THE CONTRACTOR TO DISTRIBUTE THE PROPOSED WIDENING ON EITHER SIDE OR BOTH SIDES OF THE EXISTING PAVEMENT.

FOR INSTANCE, A MAP WITH 2 TO 3 FOOT PROPOSED WIDENING WILL BE REQUIRED TO DISTRIBUTE WIDENING TO ONE SIDE OF THE EXISTING PAVEMENT ONLY, MOST LIKELY THE INSIDE OF A CURVE – IF POSSIBLE. WHEREAS, A MAP WITH PROPOSED WIDENING OF 4 FOOT OR MORE MAY BE DIRECTED BY THE ENGINEER TO DISTRIBUTE THE WIDENING IN INCREMENTS OF 2 FOOT OR MORE ON BOTH SIDES, OR TO PLACE ALL OF THE WIDENING ON ONE SIDE, OF THE EXISTING PAVEMENT, AS FIELD CONDITIONS REQUIRE.

9CR108515typ2.dgn

STOKES COUNTY
FORSYTH COUNTY
WORK ORDER NOS 9CR.10851.5,
9CR.20341.1 AND 9CR.20851.5
SUMMARY OF QUANTITIES (1 OF 2)

SUMMARY OF QUANTITIES

WORK ORDER NO	COUNTY	MAP NO	ROUTE NO / ROUTE NAME	TO / FROM DESCRIPTION	Typical No	Length	Width	Incidental Stone Base	Shoulder Reconstruction	Mill Apshalt Pavement 1½" Depth	Mill Asphalt Pavement 0" TO 1½" Depth	ACBC Type B25.0B	ACIC Type I19.0C	ACSC Type S9.5B	ACSC Type S9.5C	PG 64-22 Plant Mix	PG 70-22 Plant Mix	Patching Existing Pavement	Adjust Manholes	Adjust Meter / Valve Boxes
						MI	FT	TONS	SMI	SY		TONS	TONS	TONS	TONS	TONS	TONS	TONS	EA	EA
9CR.10851.5	Stokes	1	US 311	Walnut Cove SCL to Forsyth Co Line	1	1.317	22	53			122				1,580		95	40		
		2	NC 65	Forsyth Co Line to SR 1928 (Stokesburg Rd)	1	3.163	24	127							4,136		248	80	1	1
		3	NC 268 Lynchburg Road	NC 66 **(Do Not Include Island)** to Bridge Over Big Creek	2	3.768	21	226		290	700			4,315		259		35		
		4	NC 89	Pvmt Jt at SR 1491 (Clyde Amos Rd) to New Pvmt Jt Before Bridge Over Dan River	1	0.556	21	33							637		38	10		
TOTAL FOR WORK ORDER NO. 9CR.10851.5						**8.804**		**439**	**0.00**	**290**	**822**	**0**	**0**	**4,315**	**6,353**	**259**	**381**	**165**	**1**	**1**
9CR.20341.1	Forsyth	5	SR 1956 Pine Hall Road	From Stokes Co Line to Pvmt Jt at NC 65	3	0.434	24	26	0.87				966		568	45	34	4		
TOTAL FOR WORK ORDER NO. 9CR.20341.1						**0.434**		**26**	**0.87**	**0**	**0**	**0**	**966**	**0**	**568**	**45**	**34**	**4**	**0**	**0**
9CR.20851.5	Stokes	6	SR 1001 Moore Springs Road	SR 2015 (Hanging Rock Park Rd) to Pvmt Jt at NC 66	2	5.405	20	324		355	350			5,897		354		100		
		7	SR 1928 Stokesburg Road	Stop Bar at Railroad Crossing at US 311 to Railroad Crossing **(Do Not Cross Either Railroad Crossing)**	4	1.302	22	78	1.30			530		1,562		117		20	8	1
		8	SR 1908 Pine Hall Road	Forsyth Co Line to **and Include** Entrance To Belews Creek Power Station	3	3.488	24	209	6.98		500		7,765		4,561	365	274	40		
TOTAL FOR WORK ORDER NO. 9CR.20851.5						**10.195**		**611**	**8.28**	**355**	**850**	**530**	**7,765**	**7,459**	**4,561**	**836**	**274**	**160**	**8**	**1**
GRAND TOTAL						**19.433**		**1076**	**9.15**	**645**	**1,672**	**530**	**8,731**	**11,774**	**11,482**	**1,140**	**689**	**329**	**9**	**2**

PLEASE NOTE: ALL QUANTITIES LISTED ARE ESTIMATES; PAYMENT WILL BE BASED ON ACTUAL FIELD MEASUREMENTS AND QUANTITIES RECEIVED.

11/3/2006

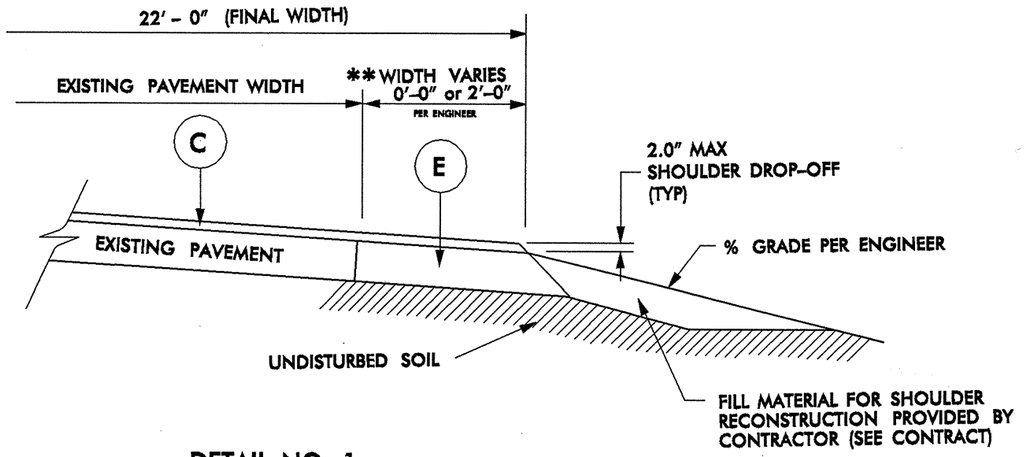
STOKES COUNTY
FORSYTH COUNTY
WORK ORDER NOS 9CR.10851.5,
9CR.20341.1 AND 9CR.20851.5
SUMMARY OF QUANTITIES (2 OF 2)

THERMOPLASTIC AND PAINT QUANTITIES

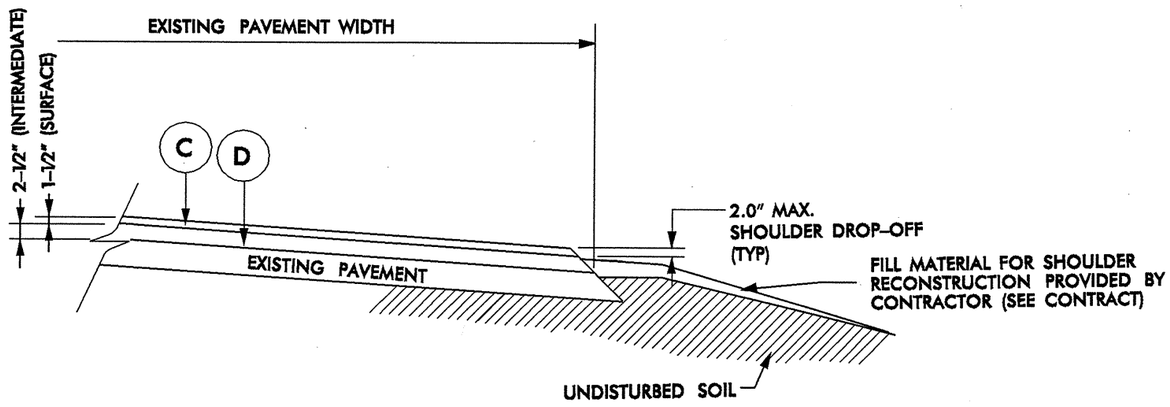
WORK ORDER NO	COUNTY	MAP NO	ROUTE NO / ROUTE NAME	TO / FROM DESCRIPTION	4685000000-E	4686000000-E		4705000000-E	4710000000-E	4721000000-E	4810000000-E	4905000000-N
					4" X 90 M WHITE THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO MSG RXR 120 M	4" YELLOW PAINT	SNOW PLOWABLE MARKERS
					LF	LF	LF	LF	LF	EA	LF	EA
9CR.10851.5	Stokes	1	US 311	Walnut Cove SCL to Forsyth Co Line	14,171	70	13,908	90	65	2		87
		2	NC 65	Forsyth Co Line to SR 1928 (Stokesburg Rd)	34,034	80		100	49	2		209
		3	NC 268 Lynchburg Road	NC 66 **(Do Not Include Island)** to Bridge Over Big Creek	40,544	100	39,790		20			249
		4	NC 89	Pvmt Jt at SR 1491 (Clyde Amos Rd) to New Pvmt Jt Before Bridge Over Dan River	5,983		5,871					37
TOTAL FOR PROJ NO. 9CR.10851.5					**94,732**	**250**	**59,569**	**190**	**134**	**4**	**0**	**581**
						59,819						
9CR.20341.1	Forsyth	5	SR 1956 Pine Hall Road	From Stokes Co Line to Pvmt Jt at NC 65	4,670	20	4,583				4,583	
TOTAL FOR PROJ NO. 9CR.20341.1					**4,670**	**20**	**4,583**	**0**	**0**	**0**	**4,583**	**0**
						4,603						
9CR.20851.5	Stokes	6	SR 1001 Moore Springs Road	SR 2015 (Hanging Rock Park Rd) to Pvmt Jt at NC 66	58,158	110	57,077					
		7	SR 1928 Stokesburg Road	Stop Bar at Railroad Crossing at US 311 to Railroad Crossing **(Do Not Cross Either Railroad Crossing)**	14,010	20	13,749	90	50	2		
		8	SR 1908 Pine Hall Road	Forsyth Co Line to **and Include** Entrance To Belews Creek Power Station	37,531	60	36,833				36,833	
TOTAL FOR PROJ NO. 9CR.20851.5					**109,699**	**190**	**107,659**	**90**	**50**	**2**	**36,833**	**0**
						107,849						
GRAND TOTAL					**209,101**	**460**	**171,811**	**280**	**184**	**6**	**41,416**	**581**
						172,271						

PLEASE NOTE: ALL QUANTITIES LISTED ARE ESTIMATES; PAYMENT WILL BE BASED ON ACTUAL FIELD MEASUREMENTS AND QUANTITIES RECEIVED.

11/2/2006



DETAIL NO. 1
WIDENING AND SHOULDER
RECONSTRUCTION
MAP 7



DETAIL NO. 2
SHOULDER
RECONSTRUCTION
MAP 8

** NOTE TO CONTRACTOR

IT IS STRONGLY RECOMMENDED THAT WIDENING NOT BE PLACED AT LESS THAN TWO FOOT WIDTHS, AS IT IS VERY DIFFICULT TO ACHIEVE PROPER COMPACTION AT SUCH WIDTHS.

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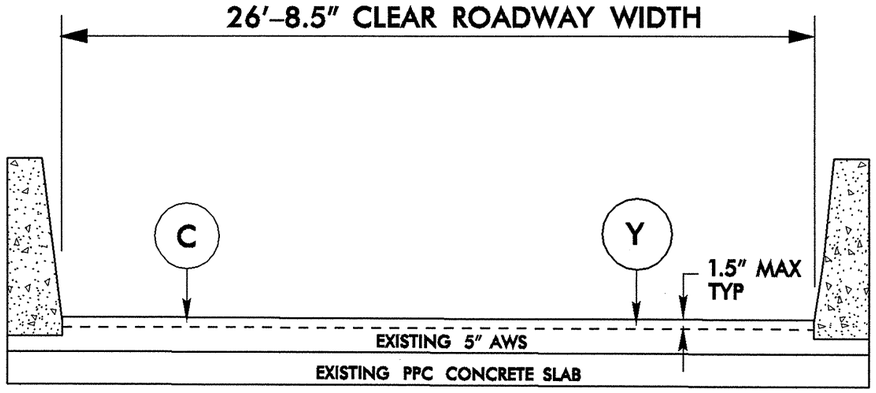
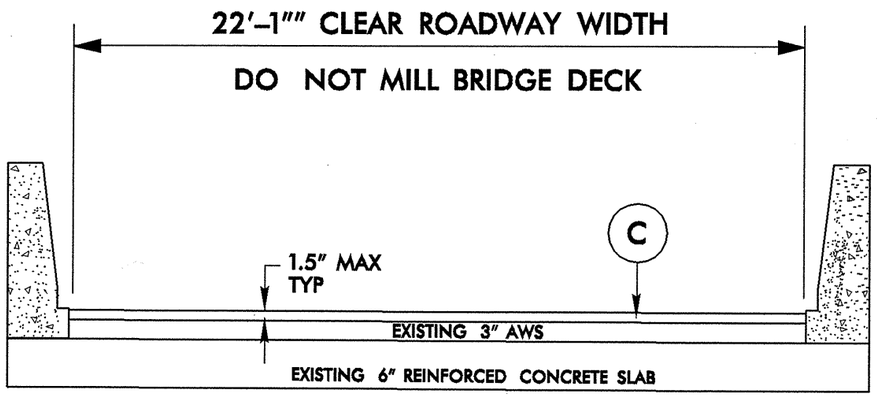
9CR108515det1.dgn



BRIDGE DETAIL NO. 3

MAP 3, NC 268, BRIDGE NO. 34
SEE "BRIDGE LISTING" ON DETAIL SHEET 3
FOR MORE INFORMATION

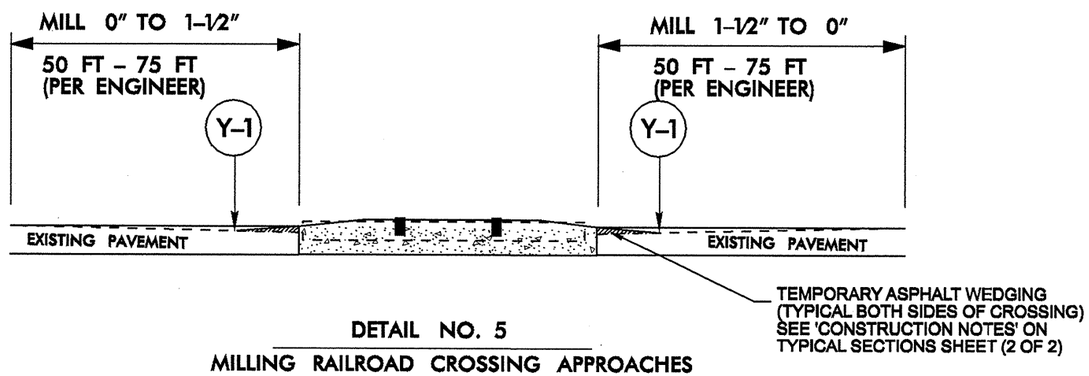


NO VIBRATORY ROLLER ON BRIDGE DECK

POSTED BRIDGE
SV 19 TTST 22

BRIDGE DETAIL NO. 4

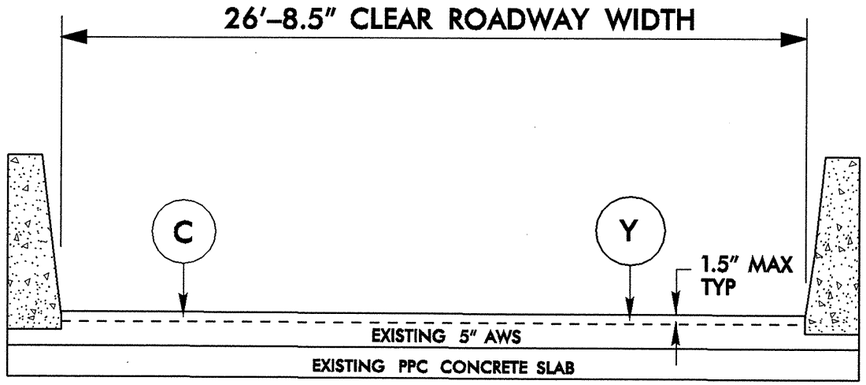
MAP NO. 7, SR 1001, BRIDGE NO. 153



DETAIL NO. 5

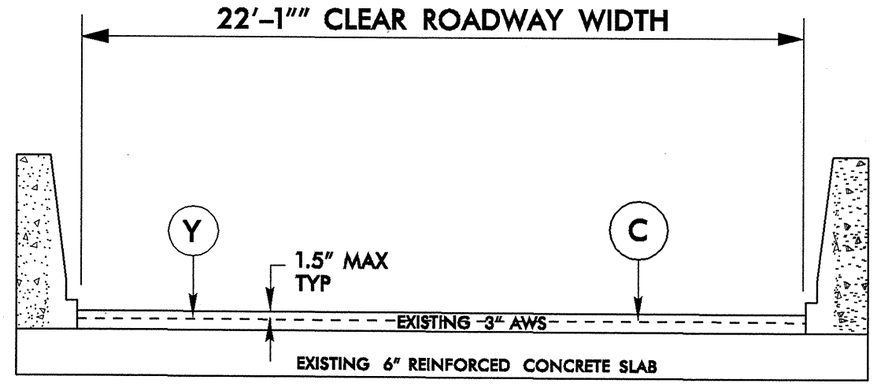
MILLING RAILROAD CROSSING APPROACHES

9CR108015det2.dgn



BRIDGE DETAIL NO. 3

MAP 3, NC 268, BRIDGE NO. 34
SEE "BRIDGE LISTING" ON DETAIL SHEET 3
FOR MORE INFORMATION

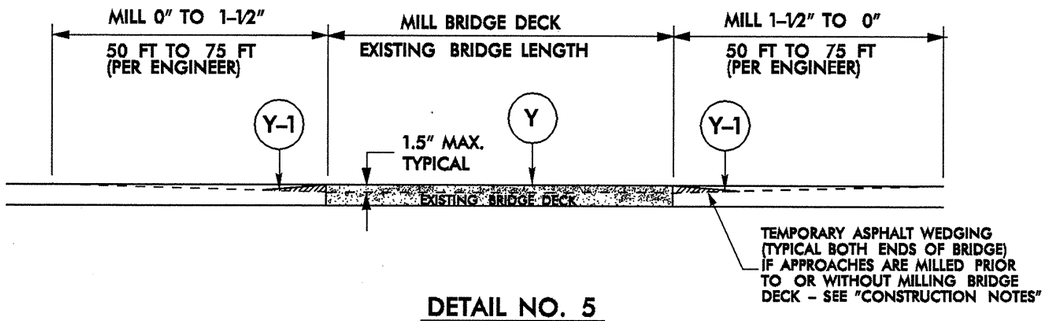


NO VIBRATORY ROLLER ON BRIDGE DECK

BRIDGE DETAIL NO. 4

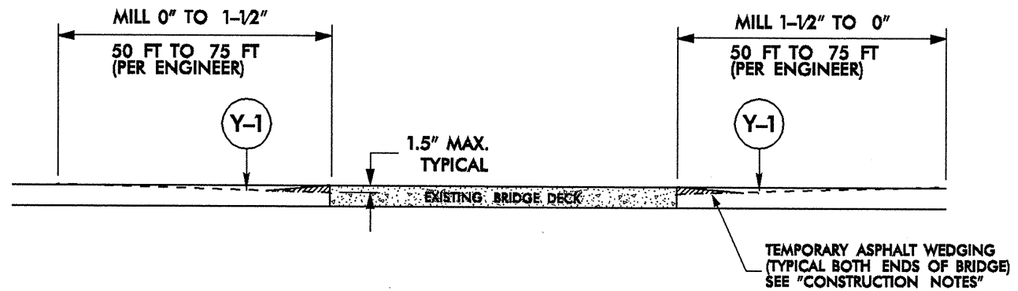
MAP NO. 7, SR 1001, BRIDGE NO. 153

9CR108015det2.dgn



DETAIL NO. 5
MILLING BRIDGE APPROACHES AND DECK

MAP NO. 3, NC 268, BRIDGE NO. 34
SEE CHART BELOW FOR BRIDGE
RESURFACING INSTRUCTIONS



DETAIL NO. 6
MILLING BRIDGE APPROACHES

MAP NO. 3, NC 268, BRIDGE NO. 37
MAP NO. 6, SR 1908, BRIDGE NO. 287
SEE CHART BELOW FOR BRIDGE
RESURFACING INSTRUCTIONS

STOKES COUNTY 2007 RESURFACING
BRIDGE LISTING

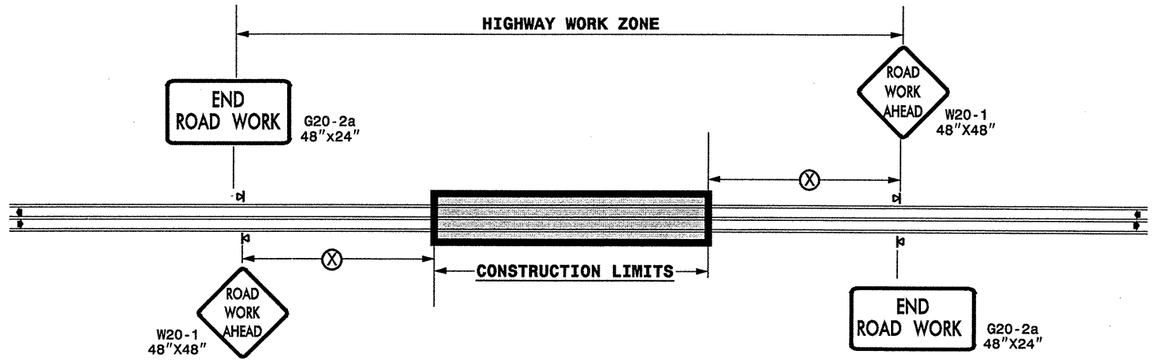
MAP NO.	ROUTE NO.	ROUTE NAME	BRIDGE NO.	FEATURE INTERSECTED	FLOOR CONSTRUCTION	CLEAR ROADWAY WIDTH	LENGTH	POSTING	RECOMMENDED TREATMENT (FROM BRIDGE MAINTENANCE)
2	NC 65		C36	LICK CREEK	CULVERT	EXISTING ROADWAY	N/A	N/A	CULVERT; PAVE PER CONTRACT
3	NC 268	LYNCHBURG RD	37	BIG CREEK	7" RC SLAB	24.0 FT	166 FT	N/A	DO NOT MILL OR PAVE BRIDGE DECK MILL APPROACHES FOR PROPER TIE IN
3	NC 268	LYNCHBURG RD	34	NORTH DOUBLE CREEK	PPCCS 5" AWS	26.7 FT	108 FT	N/A	MILL BRIDGE DECK 1.5" AND PAVE PER CONTRACT MILL APPROACHES FOR PROPER TIE IN
5	SR 1908	PINE HALL RD	C295	CREEK	CULVERT	EXISTING ROADWAY	N/A	N/A	CULVERT; PAVE PER CONTRACT
6	SR 1001	MOORE SPRINGS RD	C186	CREEK	CULVERT	EXISTING ROADWAY	N/A	N/A	CULVERT; PAVE PER CONTRACT
6	SR 1001	MOORE SPRINGS RD	C28	CREEK	CULVERT	EXISTING ROADWAY	N/A	N/A	CULVERT; PAVE PER CONTRACT
6	SR 1001	MOORE SPRINGS RD	153	CREEK	6" RC SLAB 3" AWS	22.1 FT	144 FT	N/A	NO VIBRATORY ROLLER ON BRIDGE DECK - DO NOT MILL BRIDGE DECK PAVE PER CONTRACT; MILL APPROACHES FOR PROPER TIE IN
8	SR 1908	PINE HALL RD	287	NORFOLK & SOUTHERN RAILROAD	7.5" RC SLAB	36.0 FT	144 FT	N/A	DO NOT MILL OR PAVE BRIDGE DECK MILL APPROACHES FOR PROPER TIE IN

9CR108515det3.dgn

WBS Elements: 9CR.10851.5, 9CR.20341.1 & 9CR.20851.5

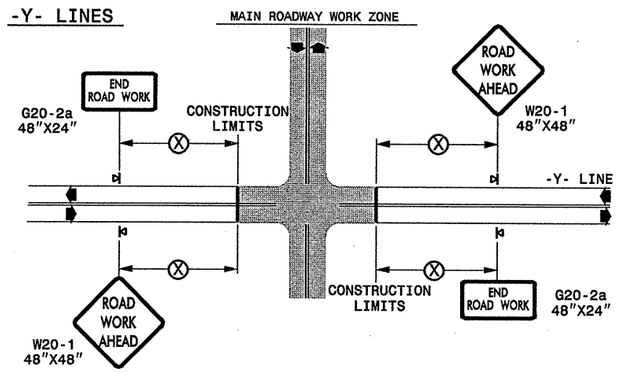
PROJ. REFERENCE NO.	SHEET NO.
See to the Left	TCP-1

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 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

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	

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