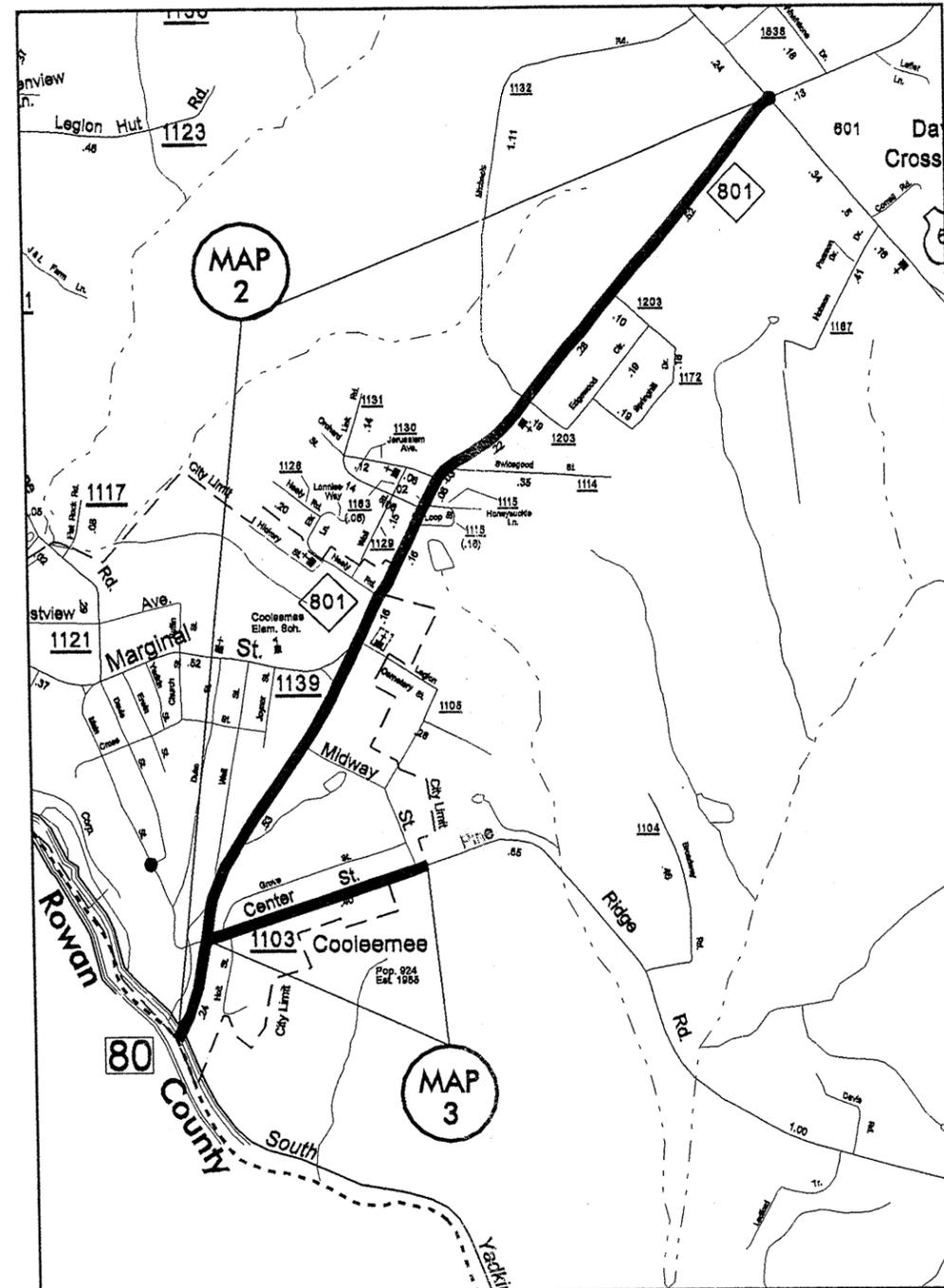


NOTE:

MAP NO. 1 US 64
MILL ALL CURB, MILL CURB NEAR
CHARLESTON RIDGE.

MAP 1

DAVIE COUNTY
NORTH CAROLINA

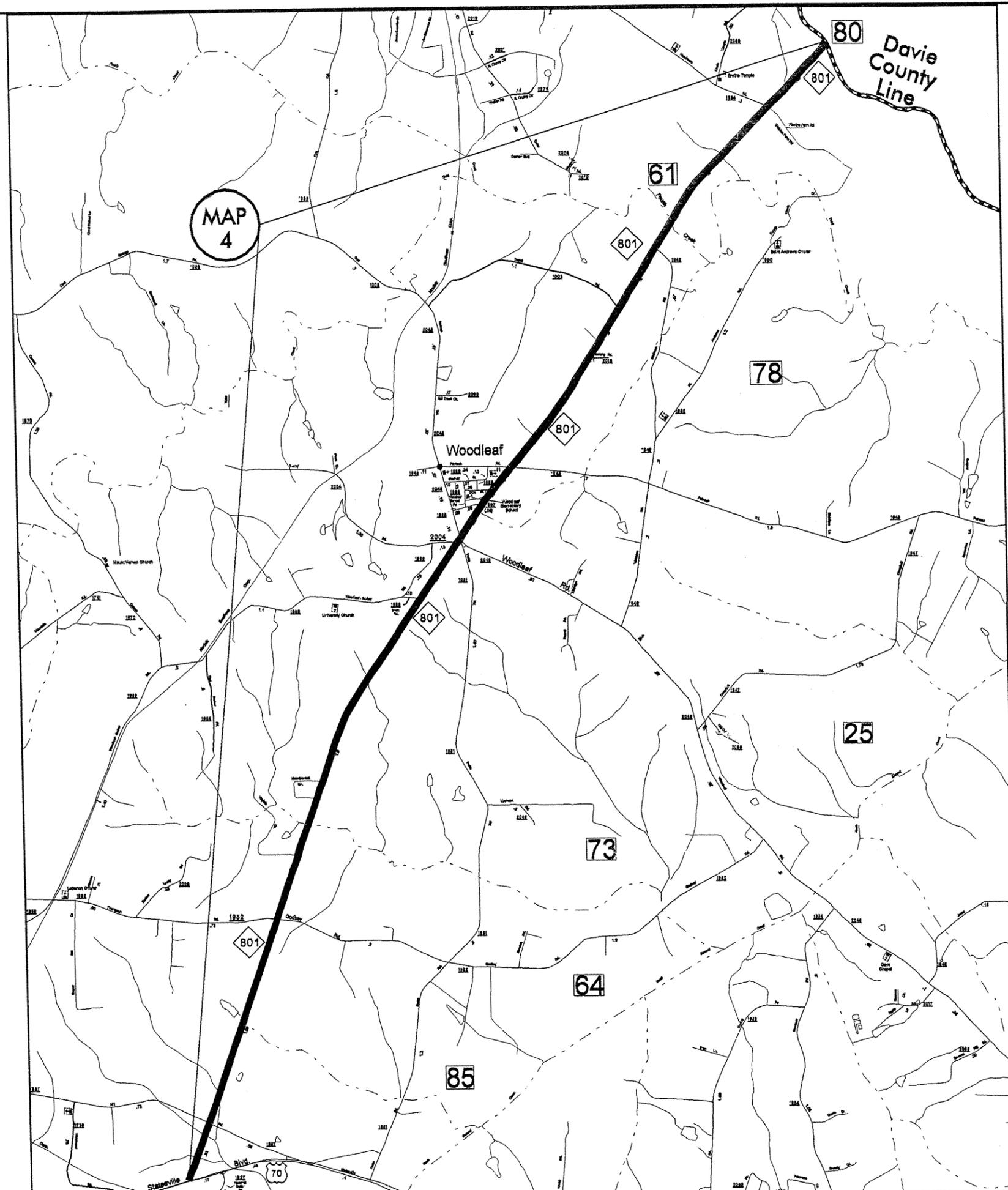


NOTE:

MAP NO. 3 CENTER STREET / PINE RIDGE RD.
TIE TO NEW PAVEMENT ON NC 801

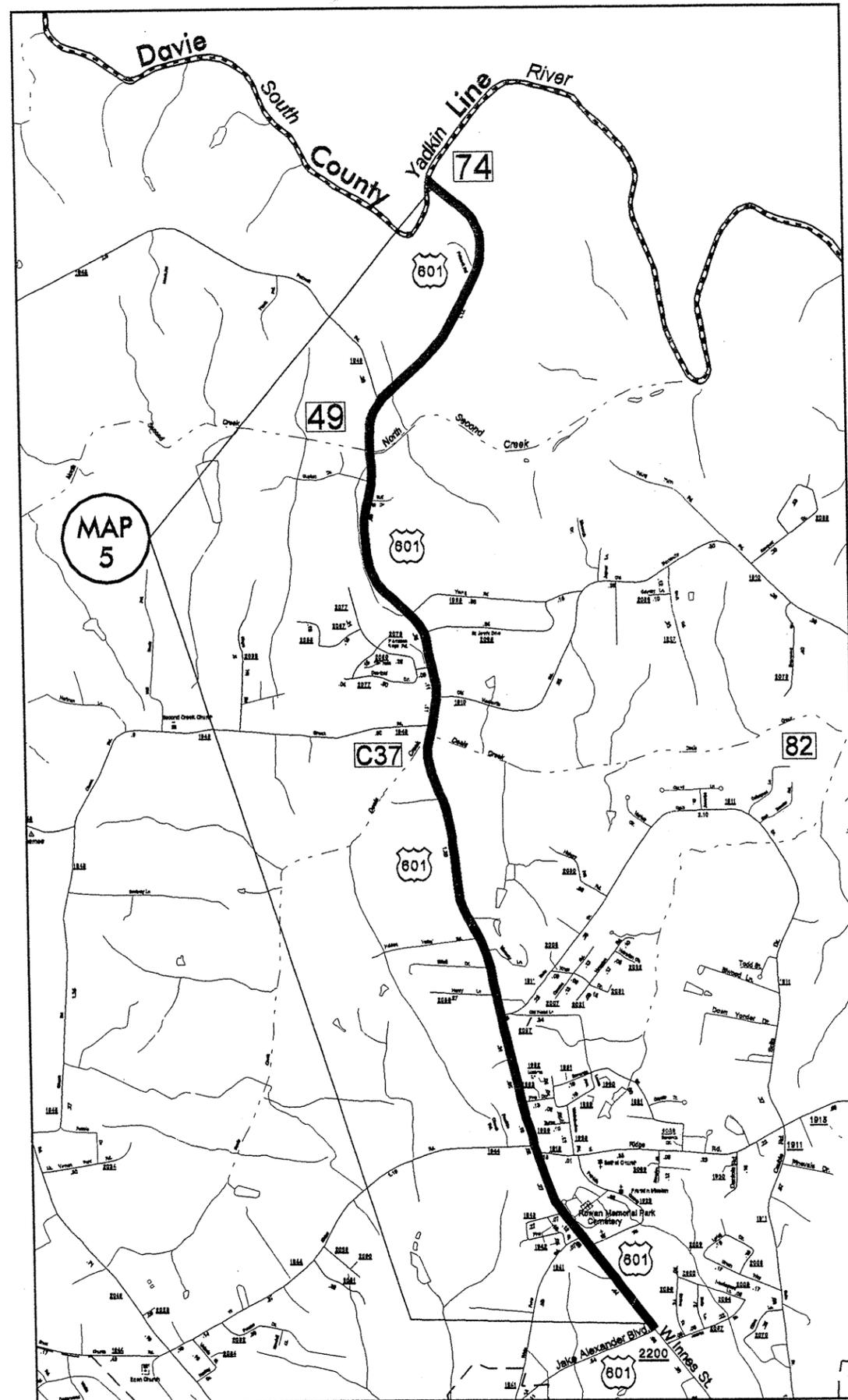
MAP 2
MAP 3

DAVIE COUNTY
NORTH CAROLINA



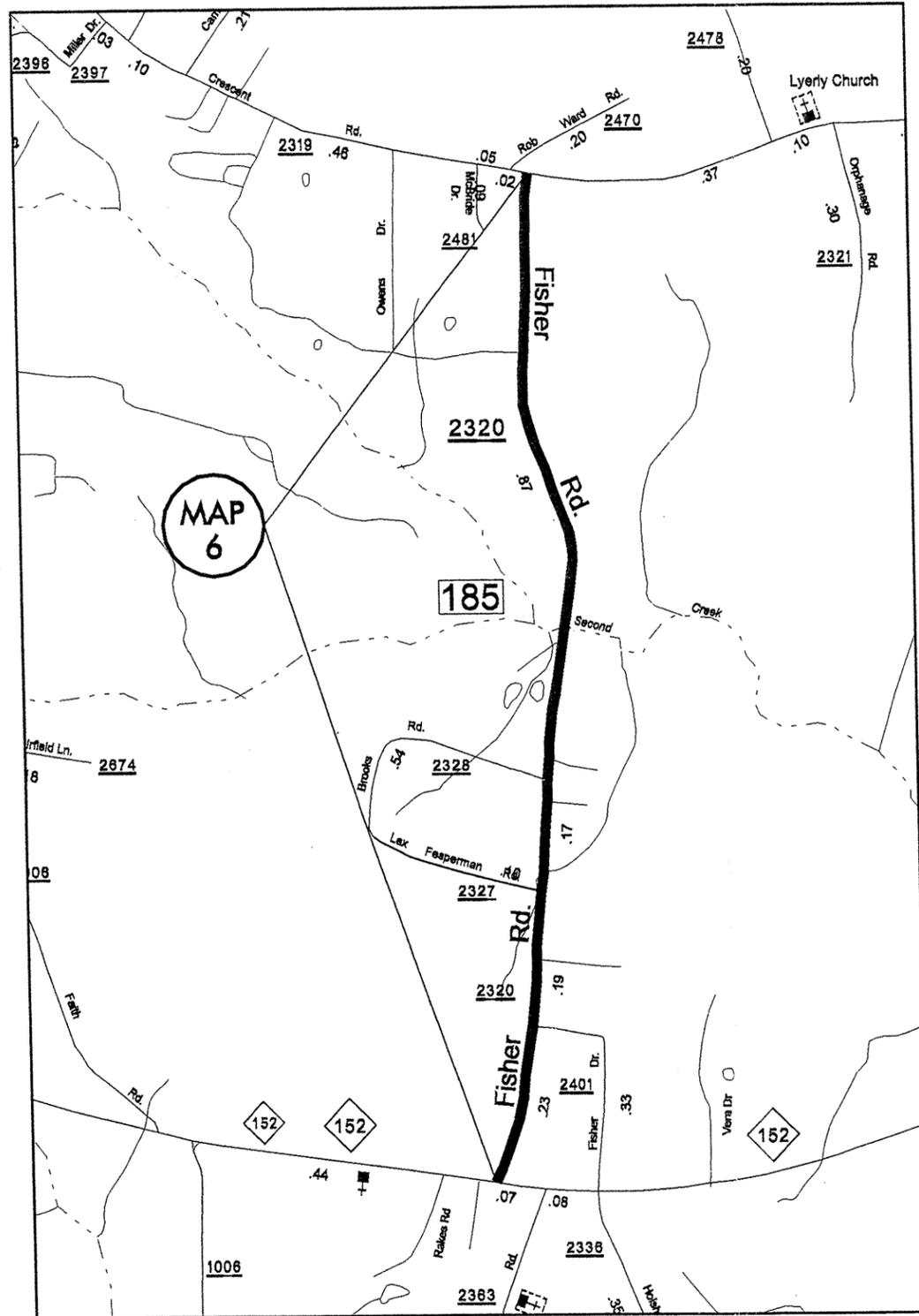
MAP 4

ROWAN COUNTY
NORTH CAROLINA



MAP 5

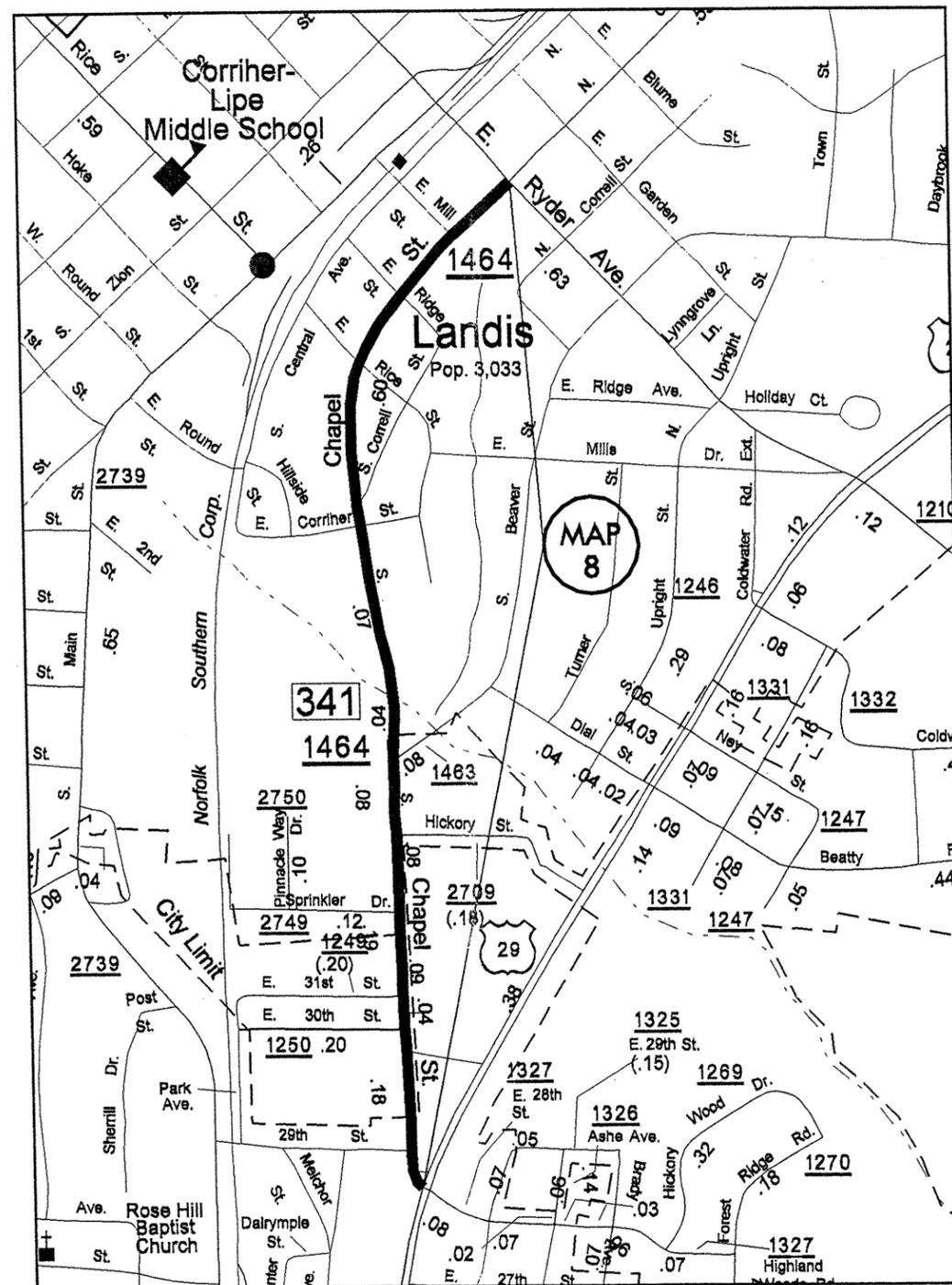
ROWAN COUNTY
NORTH CAROLINA



NOTE:

- MAP NO. 6 FISHER ROAD
- 1. ROAD WILL BE WIDENED BY ROWAN CO. MAINTENANCE PREVIOUS TO RESURFACING.
- 2. LEVEL ROAD.

MAP 6

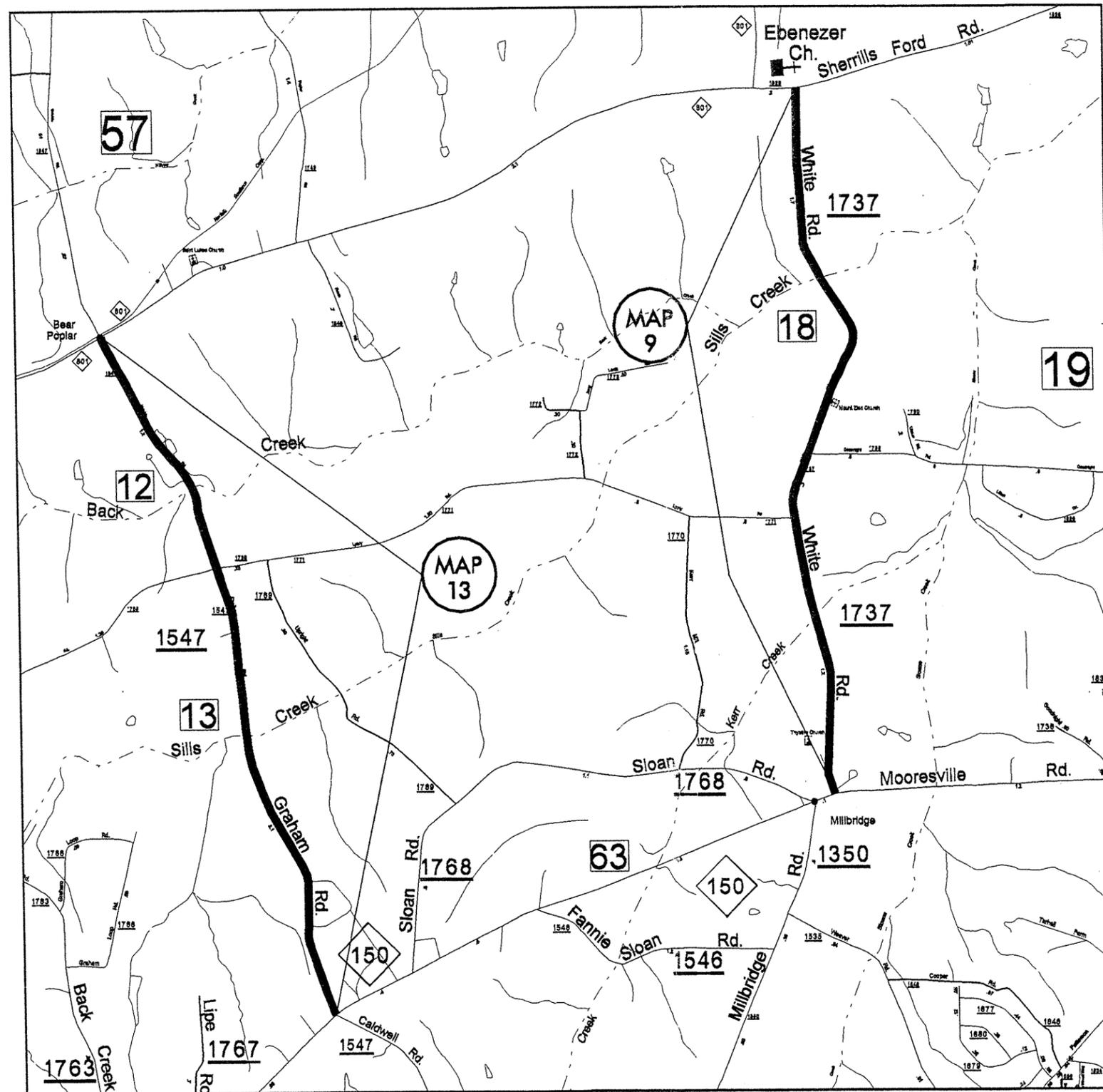


NOTE:

MAP 8
MILL AT CURB, MILL AT ISLANDS, TIE IN
RAMPS.

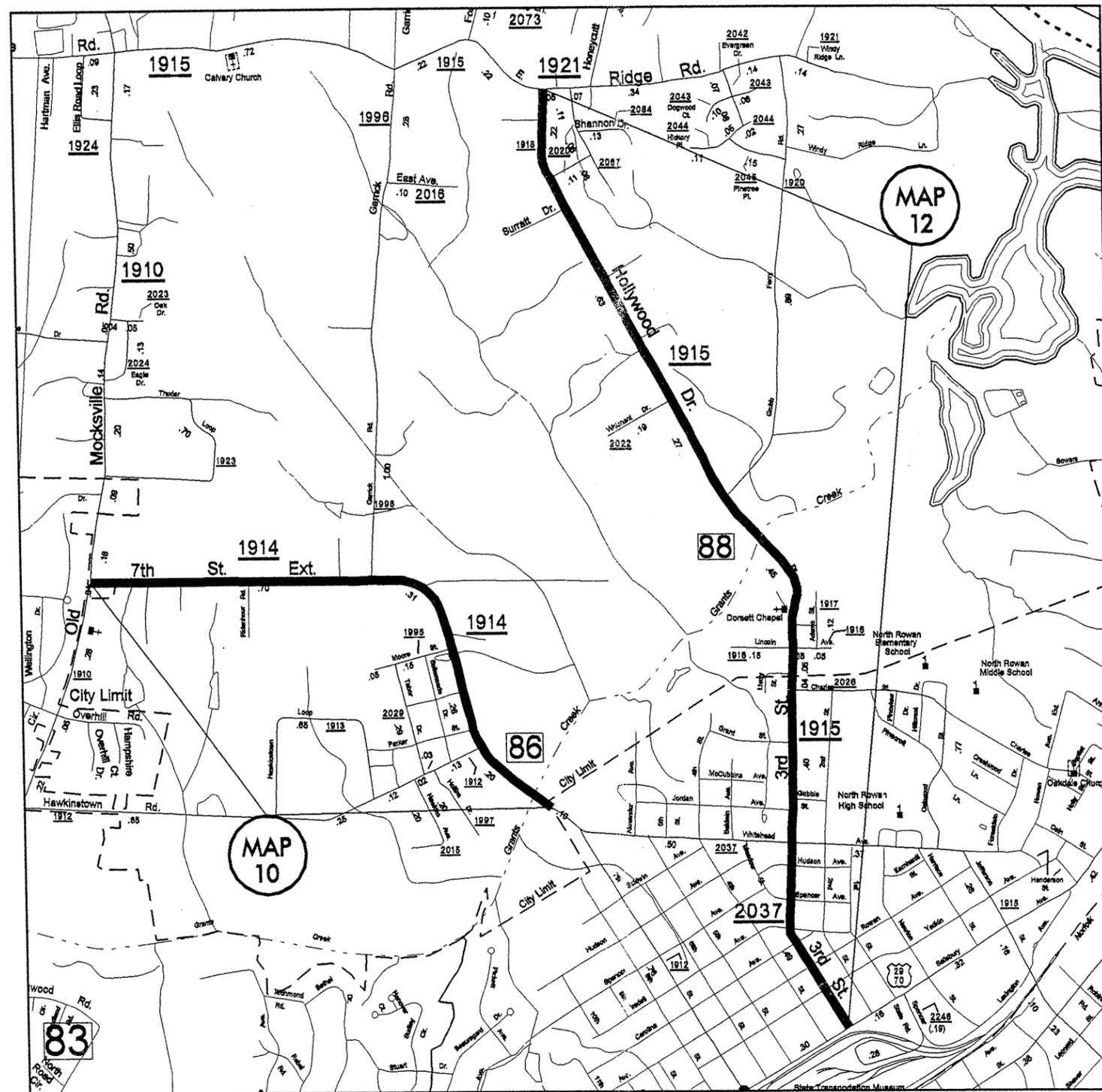
MAP 8

ROWAN COUNTY
NORTH CAROLINA



MAP 9
MAP 13

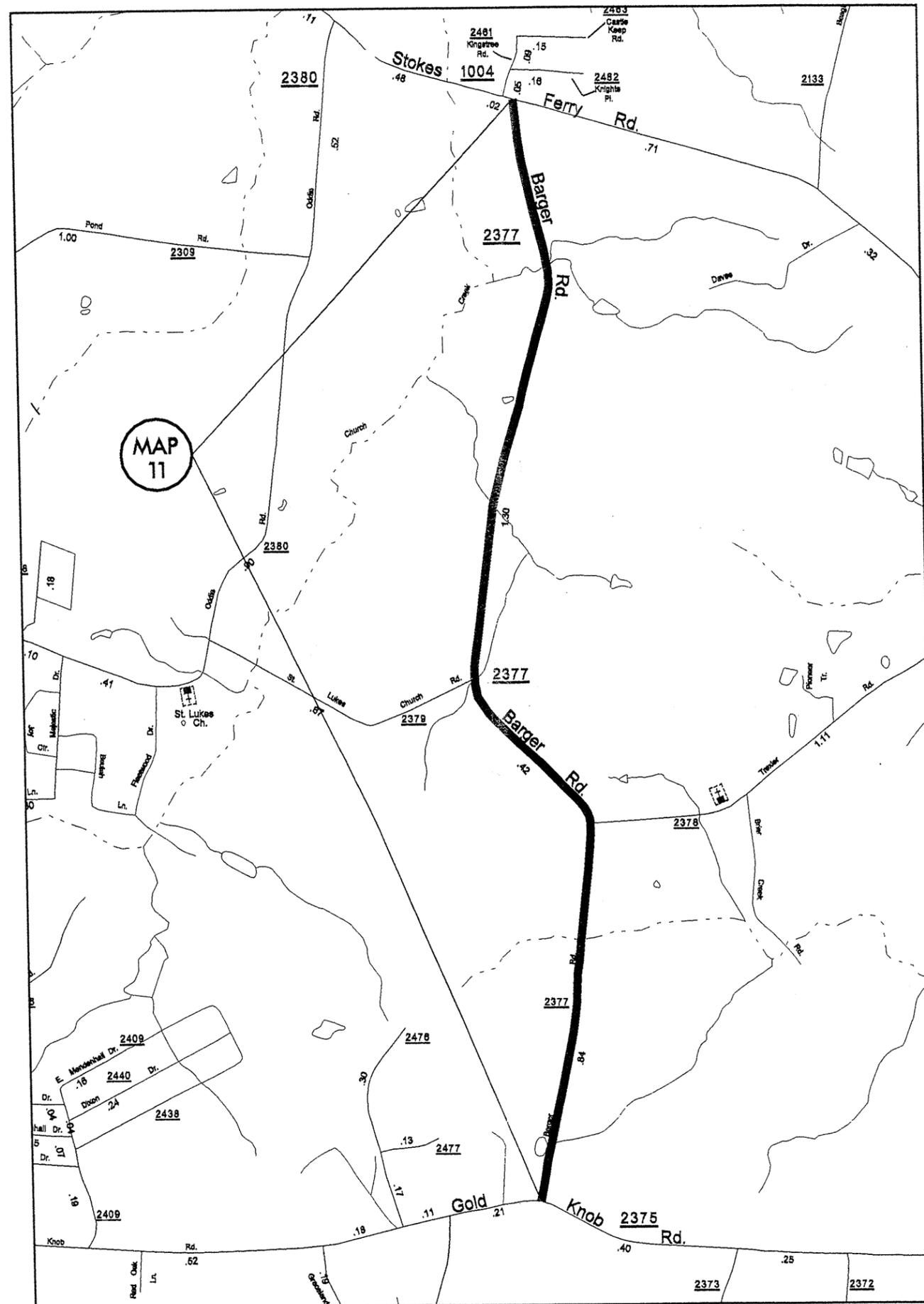
ROWAN COUNTY
NORTH CAROLINA



NOTE:

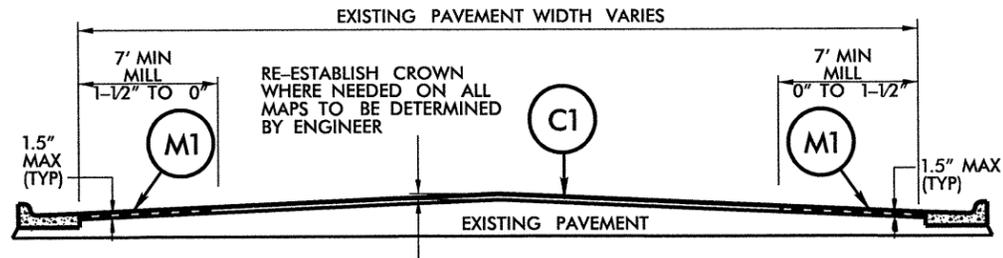
MAP 10
END MAP AT SPENCER CITY LIMIT
APPROXIMATELY NEAR GRANTS LANE

MAP 12
MILL 1 1/2" ENTIRE WIDTH OF ROAD AT
CURBED AREAS.

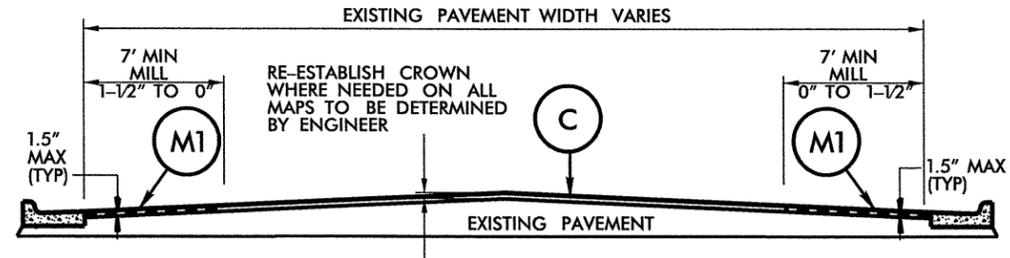


NOTE:
MAP 11
RESURFACE WITH 2" S9.5B

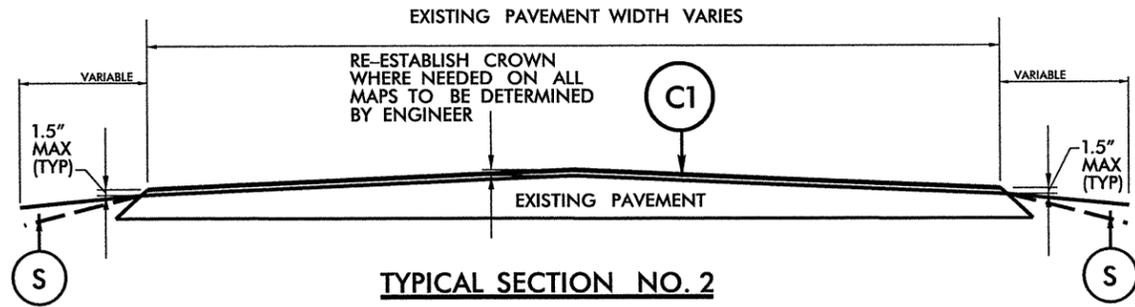
MAP 11
ROWAN COUNTY
NORTH CAROLINA



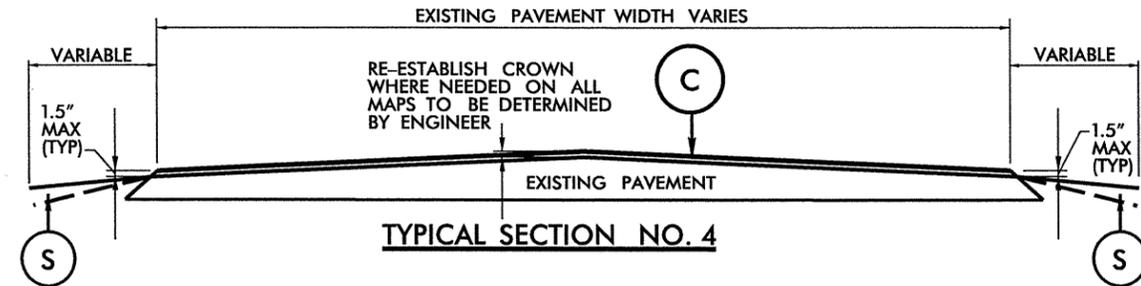
TYPICAL SECTION NO. 1



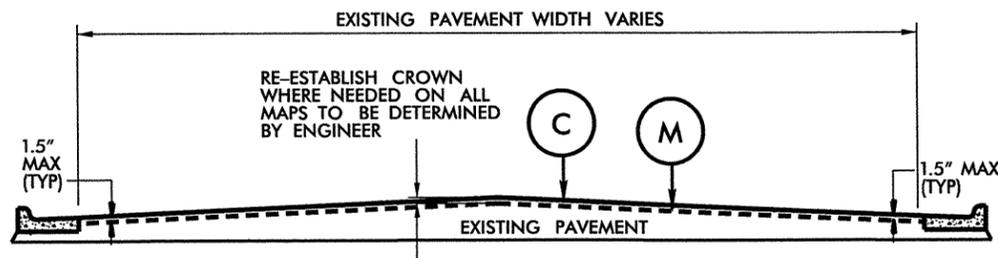
TYPICAL SECTION NO. 3



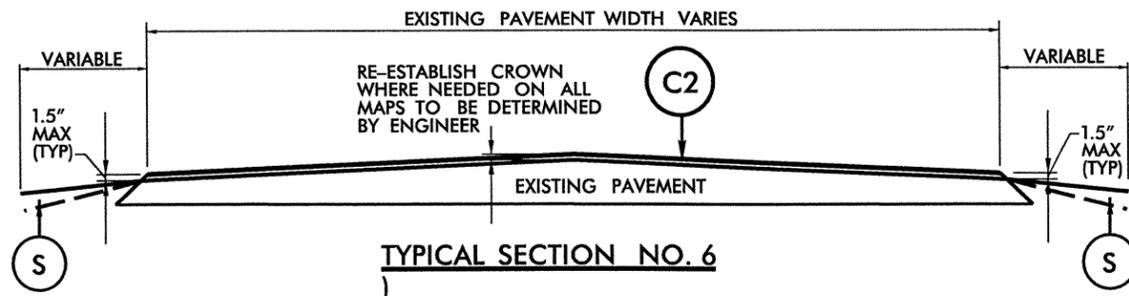
TYPICAL SECTION NO. 2



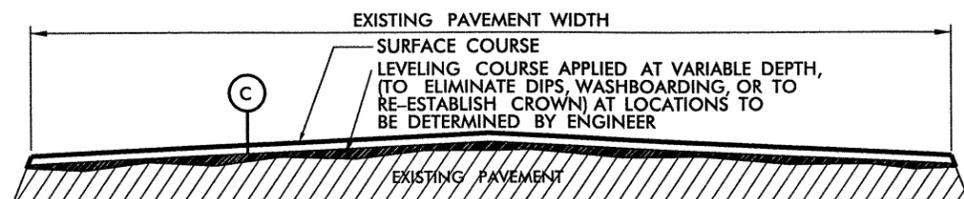
TYPICAL SECTION NO. 4



TYPICAL SECTION NO. 5

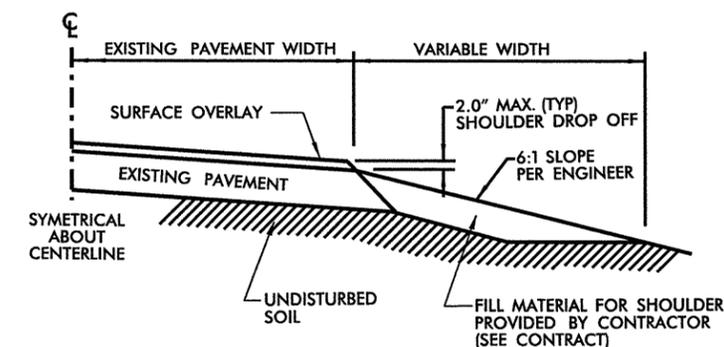
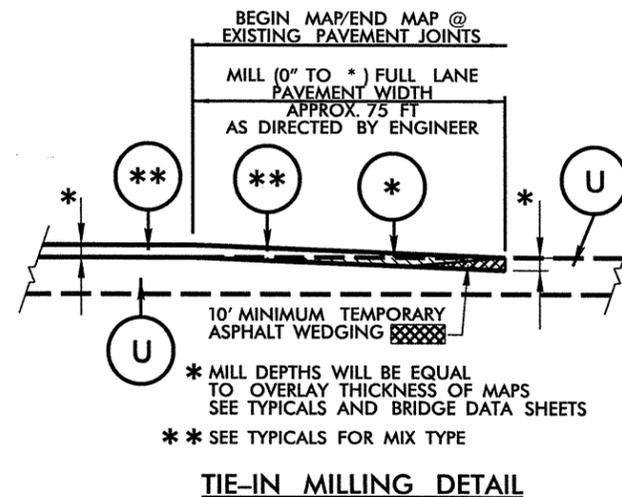
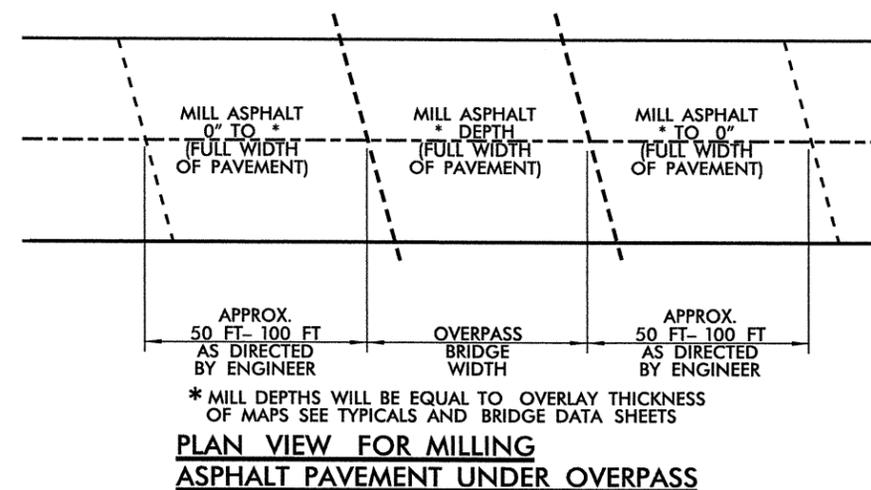
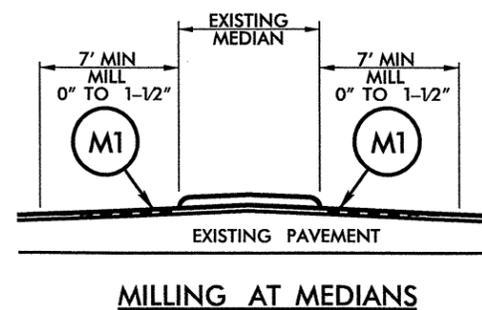
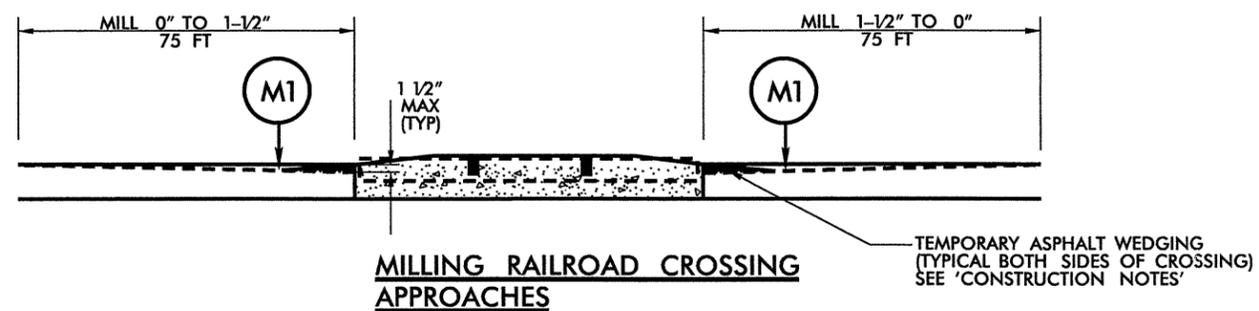
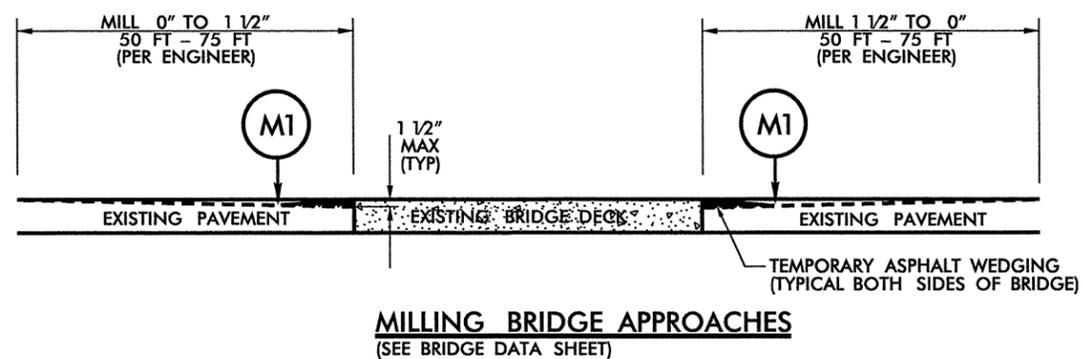
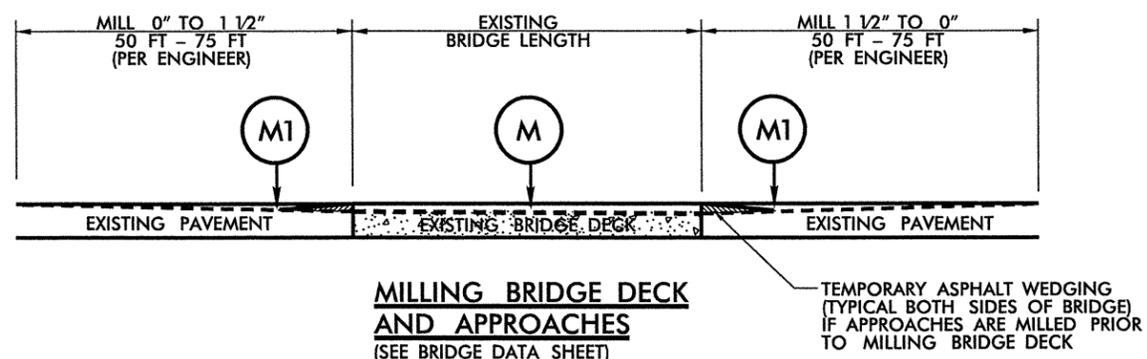


TYPICAL SECTION NO. 6

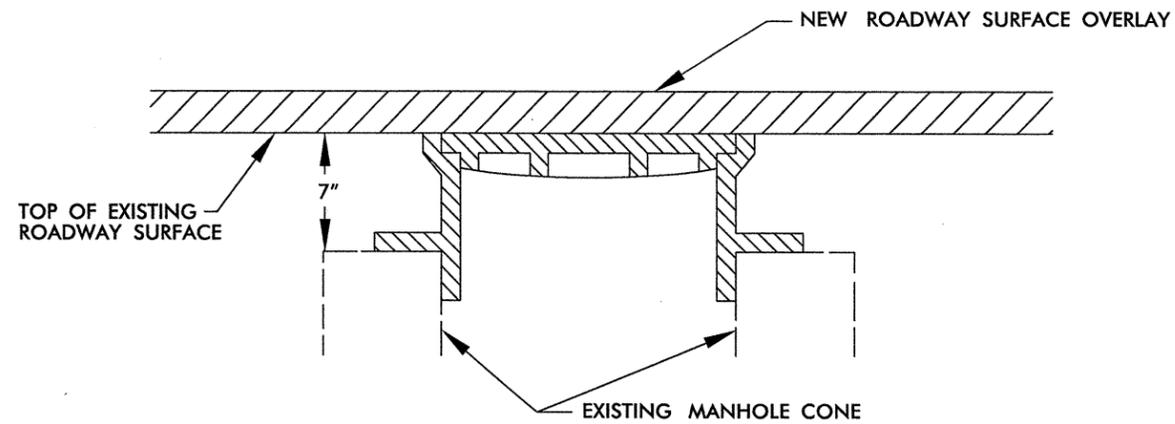


TYPICAL LEVELING DETAIL

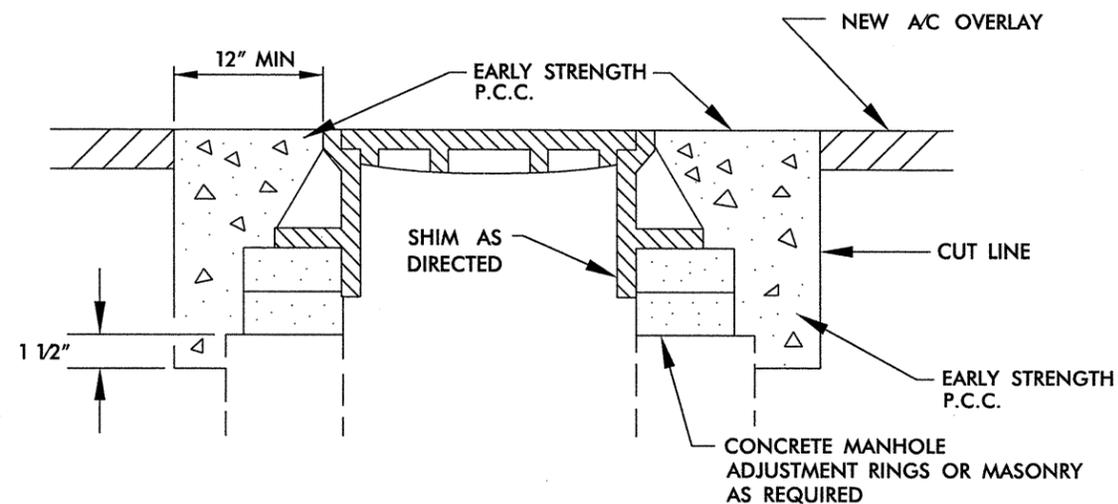
PAVEMENT SCHEDULE	
C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD
M	MILL ASPHALT PAVEMENT, 1.5" DEPTH
M1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH
S	SHOULDER RECONSTRUCTION(SEE SHOULDER RECONSTRUCTION DETAIL)
U	EXISTING PAVEMENT



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
C1	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. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD
M	MILL ASPHALT PAVEMENT, 1.5" DEPTH
M1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH
S	SHOULDER RECONSTRUCTION(SEE SHOULDER RECONSTRUCTION DETAIL)
U	EXISTING PAVEMENT



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:

1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 - MILLING AND PATCHING (WHEN REQUIRED)
 - PHASE 2 - SURFACE OVERLAY
 - PHASE 3 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - PHASE 4 - UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.
3. 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.
4. 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).
5. FOR TWO-LANE 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 SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON A ROADWAY MEASURING 22 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 10 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 24 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 11 FEET AND THE WHITE EDGELINE SHALL BE LOCATED 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 WHITE EDGELINE SHALL BE LOCATED NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE. THIS SHALL BE STANDARD PRACTICE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610-11.
7. ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.
8. 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

Davie / Rowan County 2011 Resurfacing Bridge List

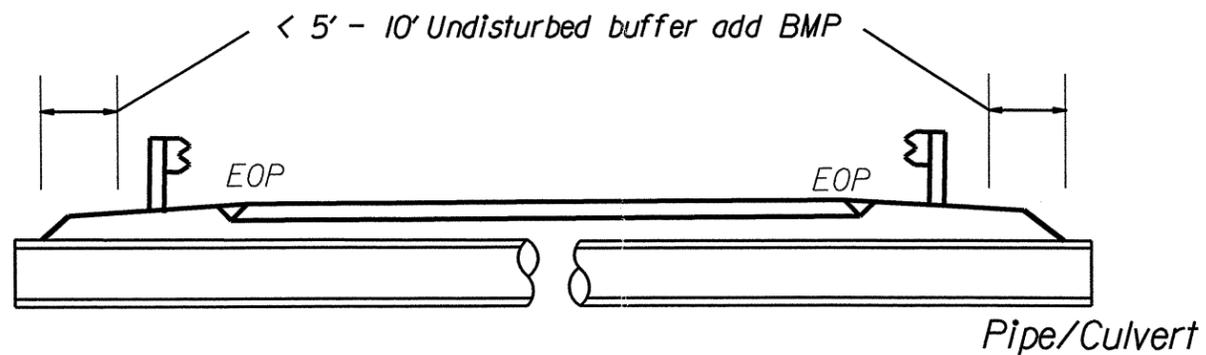
								PROJECT NO.		SHEET NO.	TOTAL NO.
								9CR.10301.8, 9CR.20301.8		14	
								9CR.10801.8, 9CR.20801.8			
Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance
1	SOUTHERN RR	US 64	Davie Co.44	US 64	NA	NA	23.8	14 FT 5 IN	70	-	MILL APPROACHES AND UNDER BRIDGE, MAINTAIN CLEARANCE
2	NC 801	NC 801	Rowan Co. 80	South Yadkin River	8 1/2" RC SLAB	32	0	0	402	-	Mill Bridge Approaches; Do not pave over bridge
4	NC 801	NC 801	61	Fourth Creek	7 RC SLAB, 3.5WS	25.8	0	0	209	-	Pave over it
5	US 601	US 601	74	South Yadkin River	4.75 RC, 3.5 PPC	36.1	0	0	360	-	Mill Bridge Approaches; Do not pave over bridge
5	US 601	US 601	49	North Second Creek	PPCCS, 3.5 AWS	35.7	0	0	260	-	Pave over it
6	SR 2320	Fisher Road	185	Second Creek	4x8 TIM, 1.5 AWS	20	0	0	21	SV 19 TTST 28	Mill Bridge Approaches; Do not pave over bridge
7	SR 2528	Julian Road	113	I-85 & US 601	9 RC SLAB	68	0	0	260	-	Mill Bridge Approaches
8	SR 1464	Chapel Street	341	Creek	12 SLAB, 1.5 AWS	28	0	0	15	-	Pave over it
9	SR 1737	White Road	18	Sills Creek	PPCCS, 2.5 AWS	30.3	0	0	112	-	Pave over it
10	SR 1914 1912	SR Seventh Street	86	Grant's Creek	PPCCS, 4.5 AWS	28.7	0	0	120	-	Pave over it
12	SR 2037 1915	SR Third Street Hollywood Dr.	88	Grant's Creek	PPCCS, 6 AWS	29.3	0	0	120	SV 40; TTST 99	Mill across bridge and repave
13	SR 1547	Graham Road	12	Back Creek	4x8 TIM, 2.75 AWS	19.3	0	0	61	SV 10 TTST 14	Mill Bridge Approaches; Do not pave over bridge
13	SR 1547	Graham Road	13	Sills Creek	5GA.STL, 3 AWS	24.3	0	0	53	-	Pave over it

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

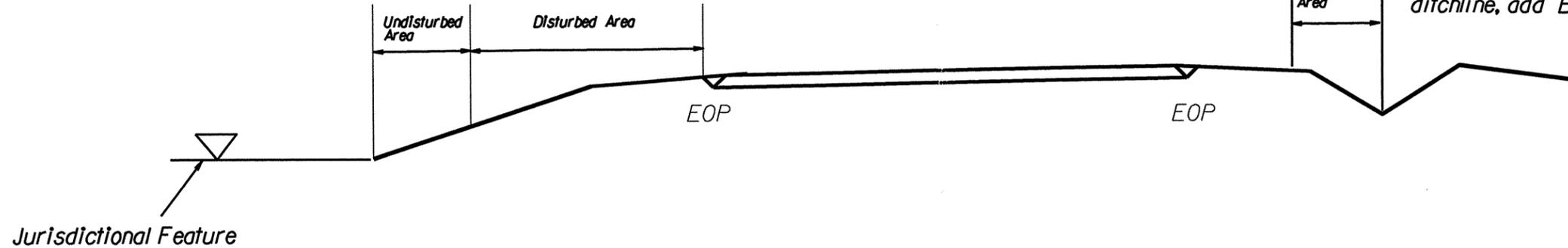
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

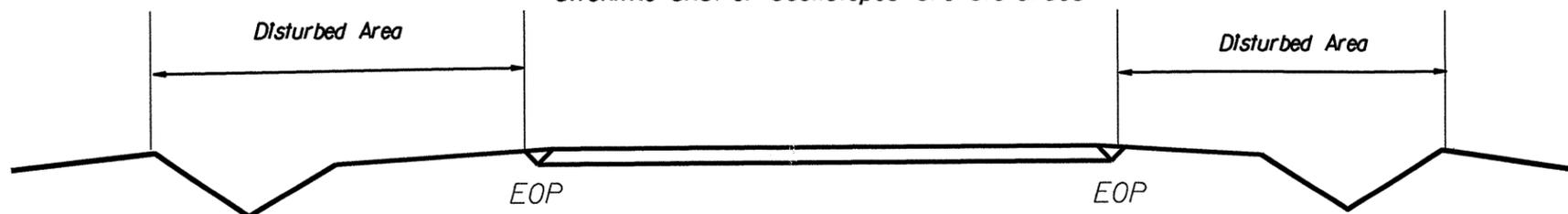
PROJECT REFERENCE NO. 9CR10801B, 9CR10301B, ETC	SHEET NO. EC-1
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



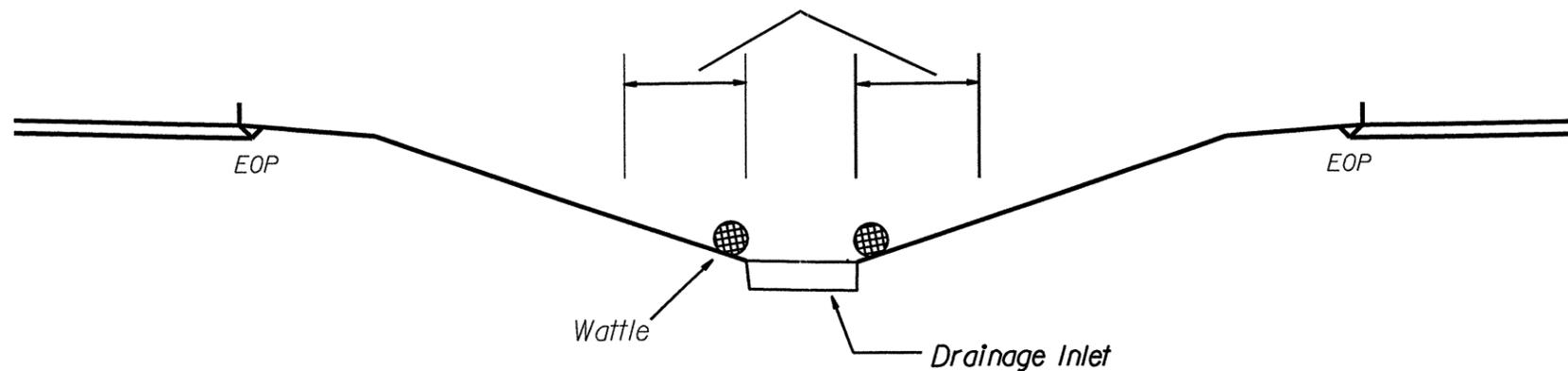
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle

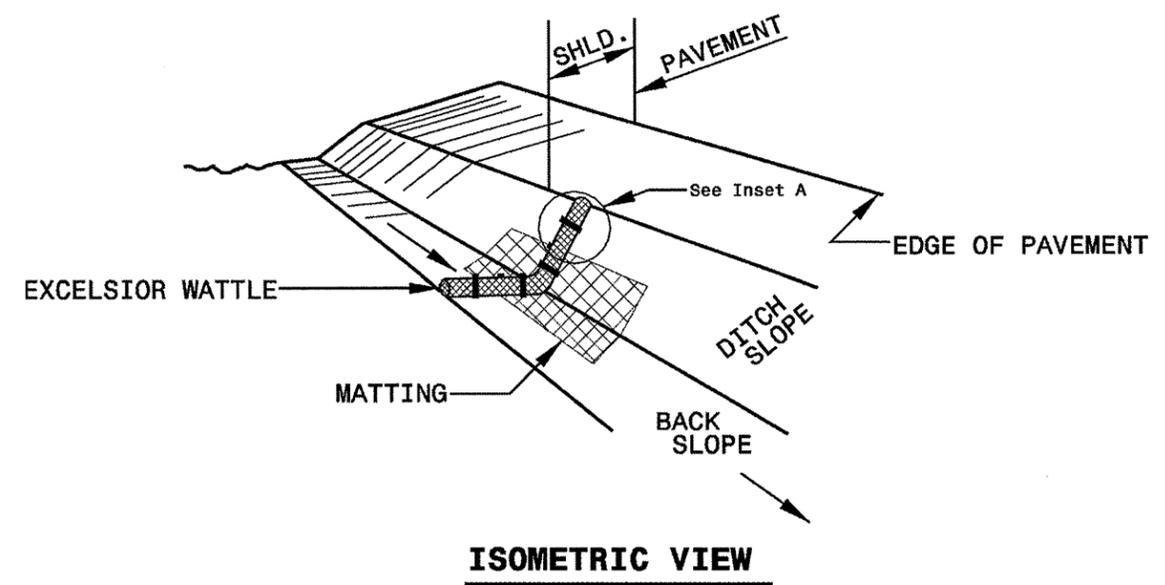


NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

9CR.10801.8,
9CR.10301.8, ETC
EC-2

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

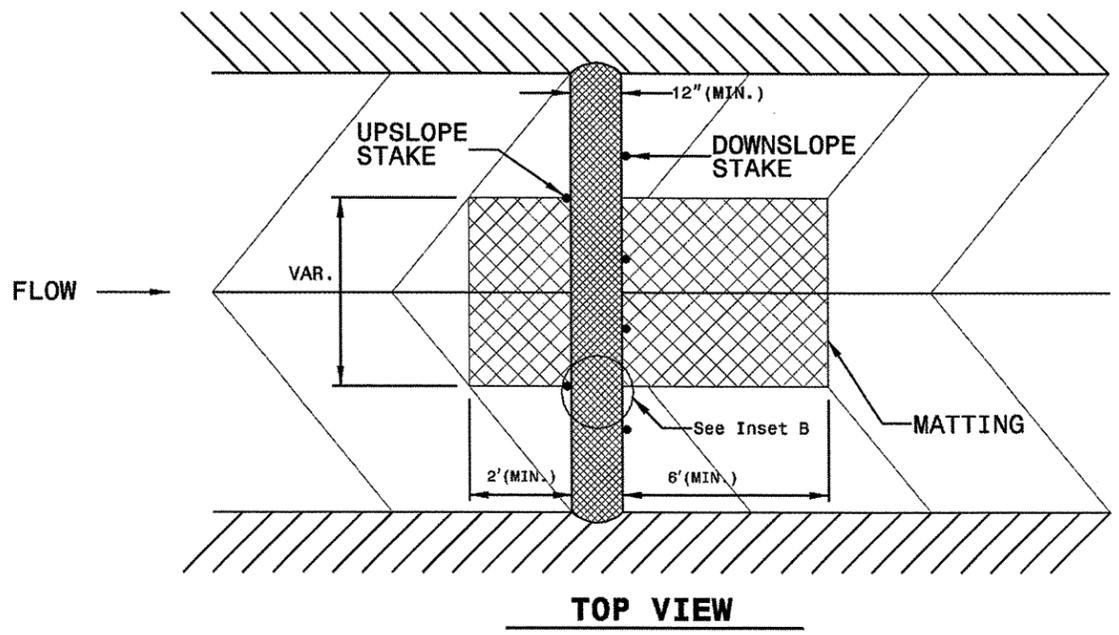
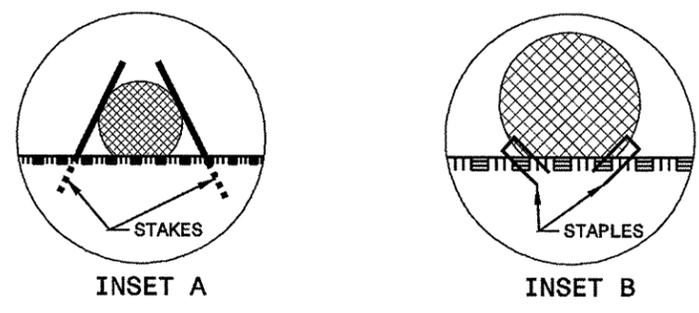
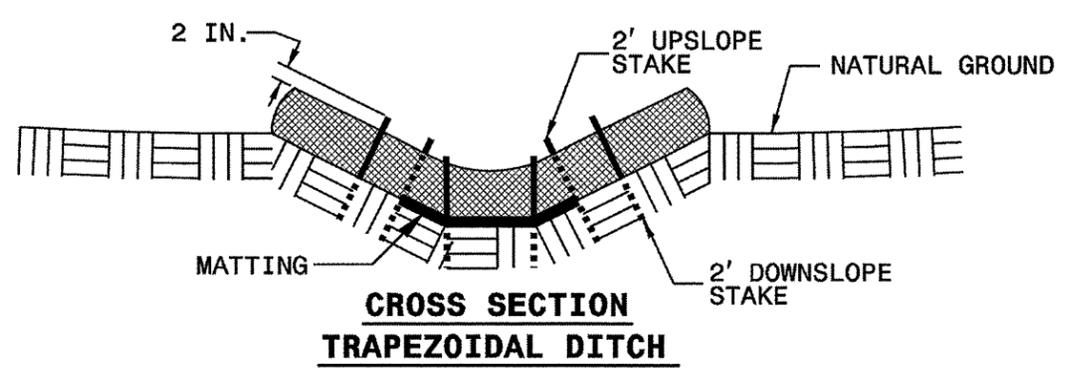
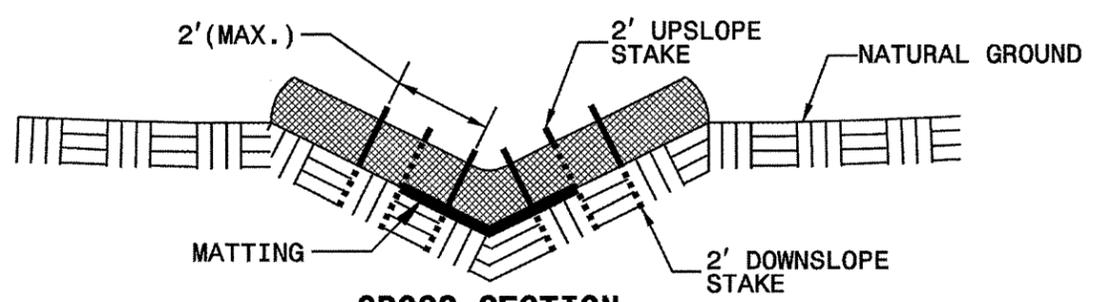
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

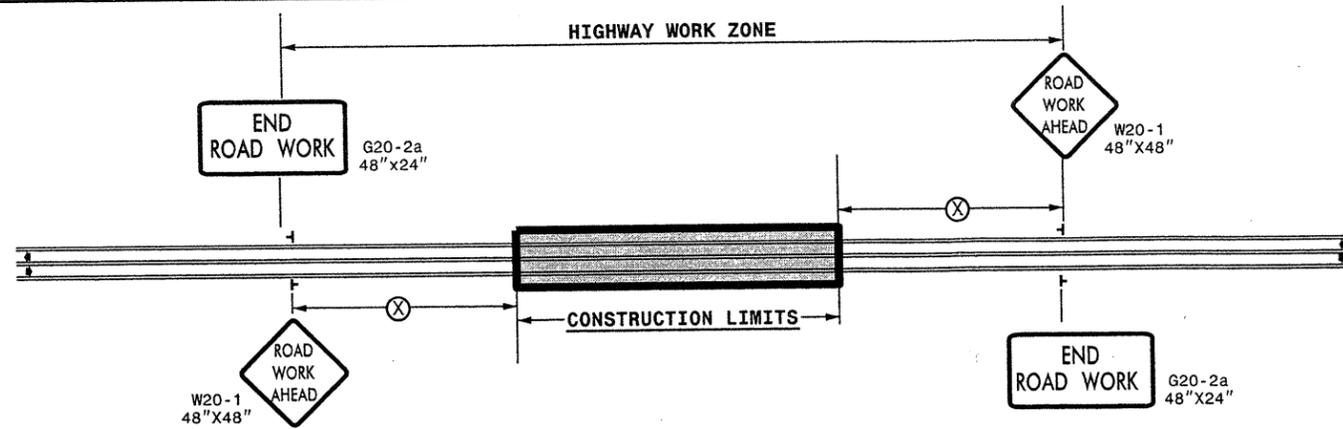
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



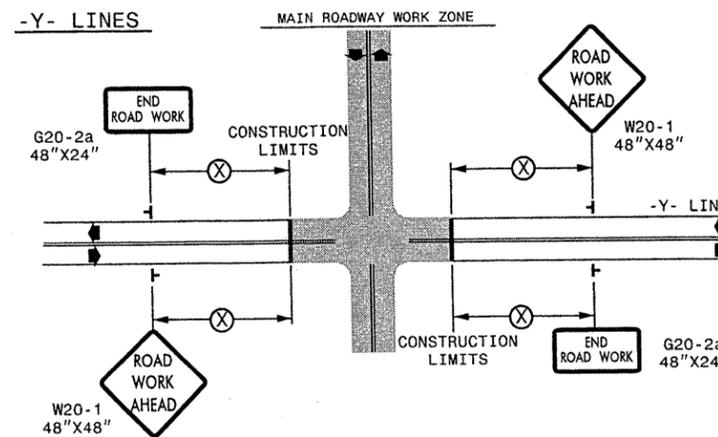
TWO-WAY UNDIVIDED ** (L-LINES)



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)



DETAIL DRAWING FOR
TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

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.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.
- ** 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

- ┆ STATIONARY SIGN
- ◀ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

APPROVED: _____ DATE: _____	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS	
SEAL	SCALE: NONE	REVISIONS
	DATE: _____	7-98 10/01
	DWG. BY: _____	10-98 03/04
	DESIGN BY: _____	01/01 11/04
	REVIEWED BY: _____	CADD FILE



06-DEC-2010 15:23 \\DDOT\DF\SR00701\GROUPS\WZ\TCCC\M&S Division\Share\Resurfacing\2010\Centr\al\2011\Div09\C202678A-D_9CR.10301.8x4.2way_Undiv.&_Urban-Fr.wys_stationary.dwg bpschoenbauer AT WZ\TCCC\11/01/04