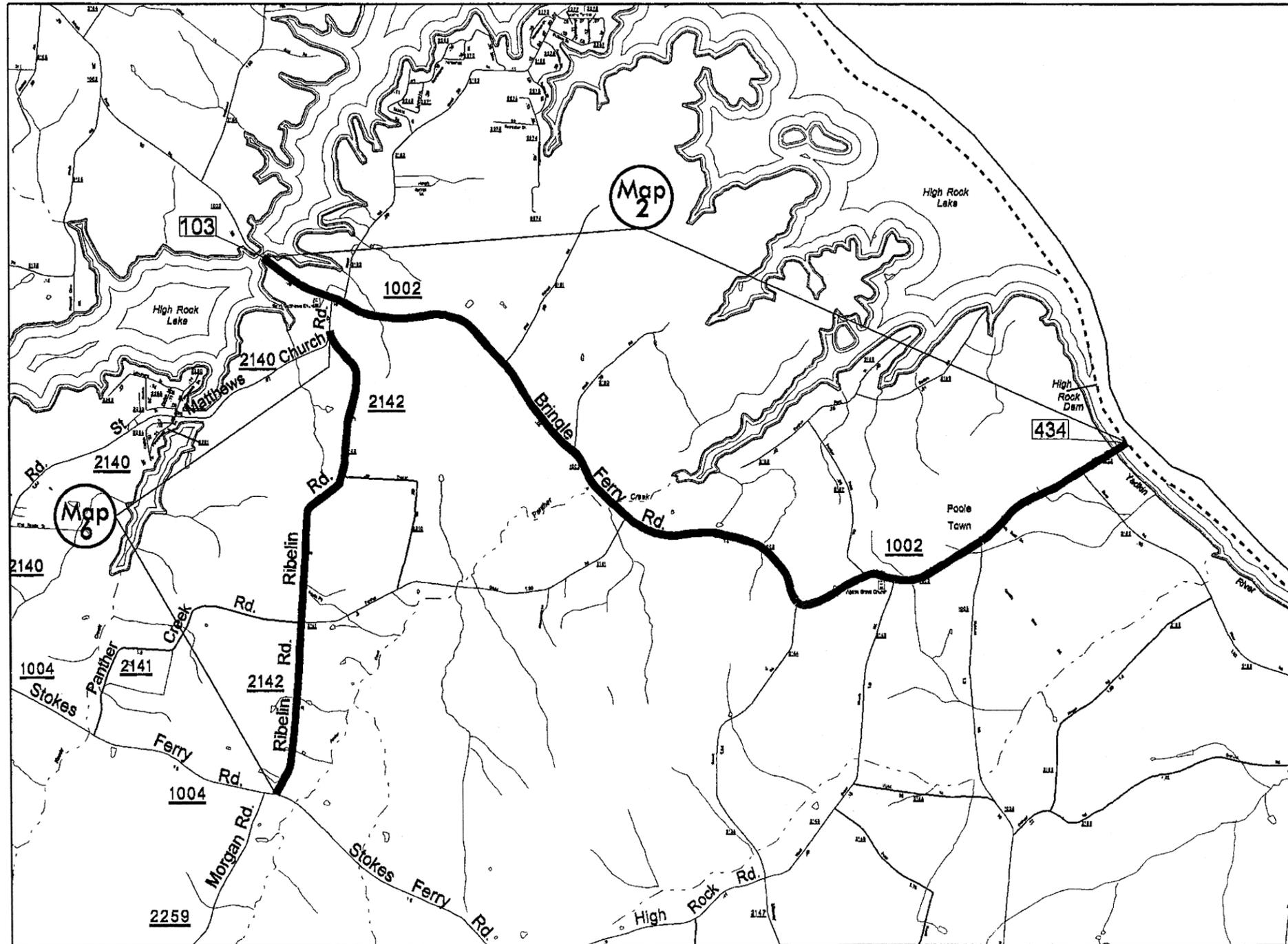


MAP 1
 US 601/SR 1007 Jake Alexander Blvd.
 Mill 3" Depth entire Length of Map.
 Pave down I-85 Ramps.
 Pave to pavement jt. at US29 ramps.

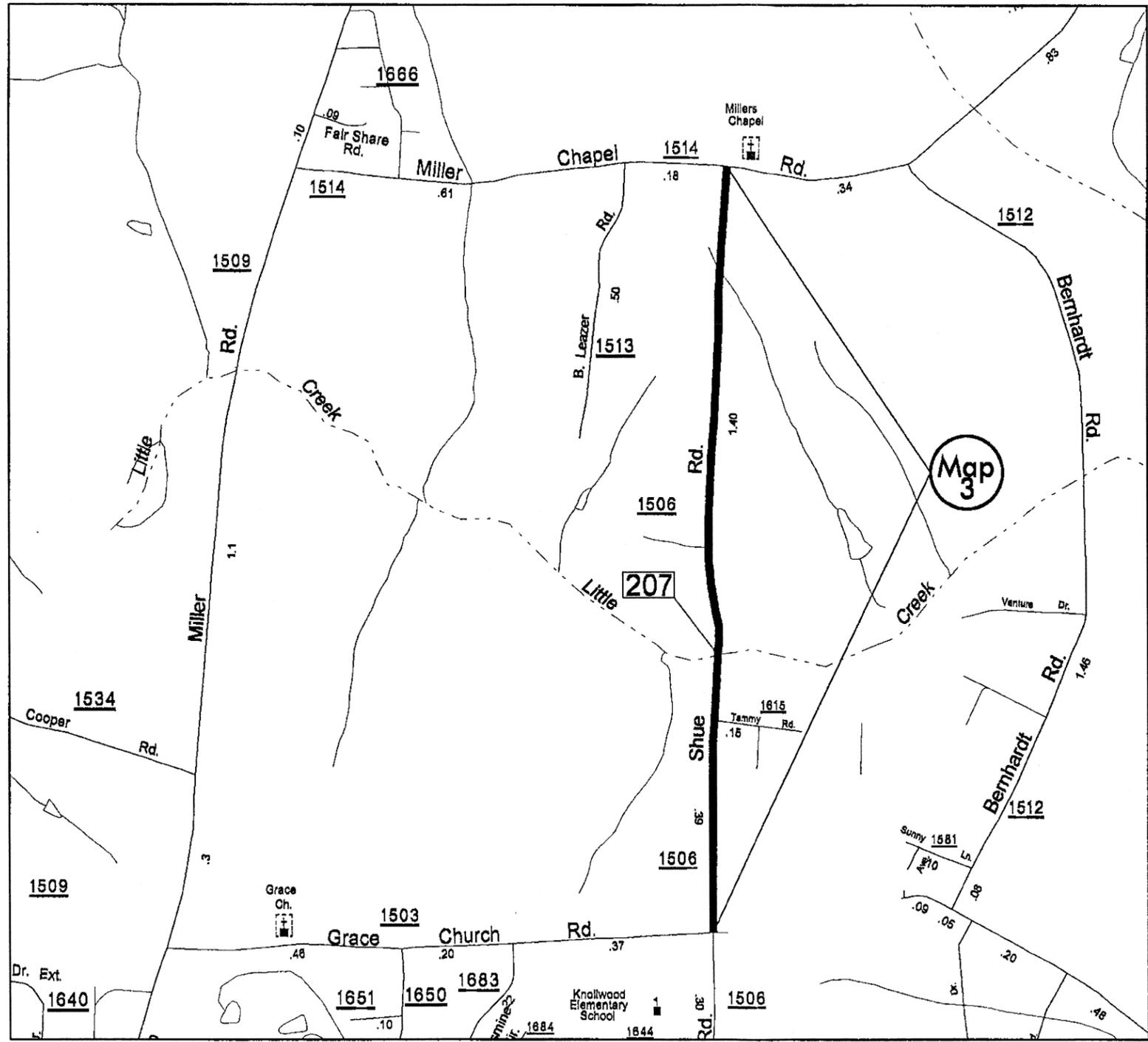
ROWAN COUNTY
 NORTH CAROLINA



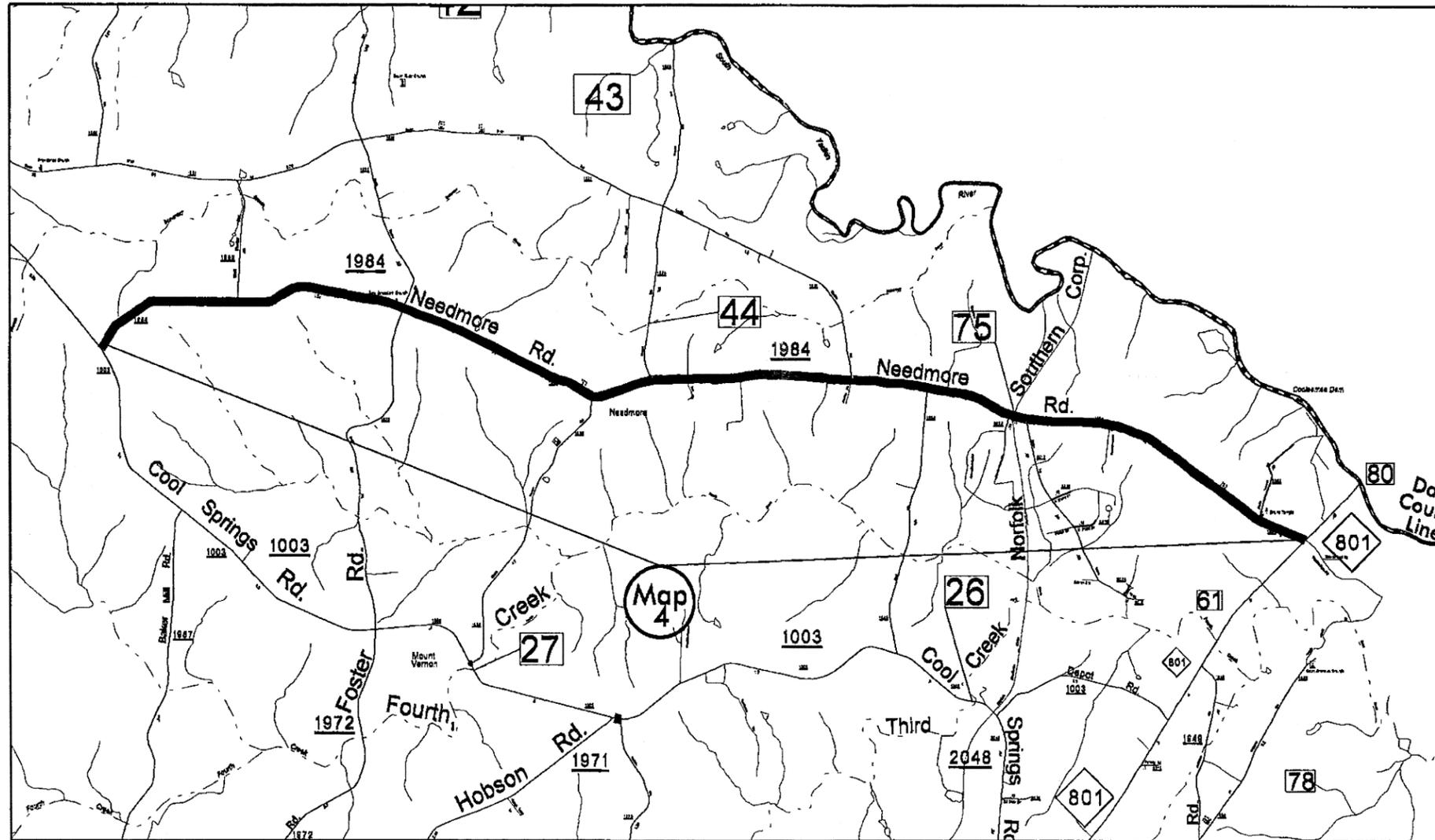
MAP 2
 SR 1002 BRINGLE FERRY ROAD
 NCDOT County Maintenance
 TO DO ALL Patching and Mark
 areas of leveling.

MAP 6
 SR 2142 RIBELIN ROAD
 NO MILLING
 NCDOT County Maintenance
 TO DO ALL Patching.
 Contractor to widen 2 foot
 each side of road.

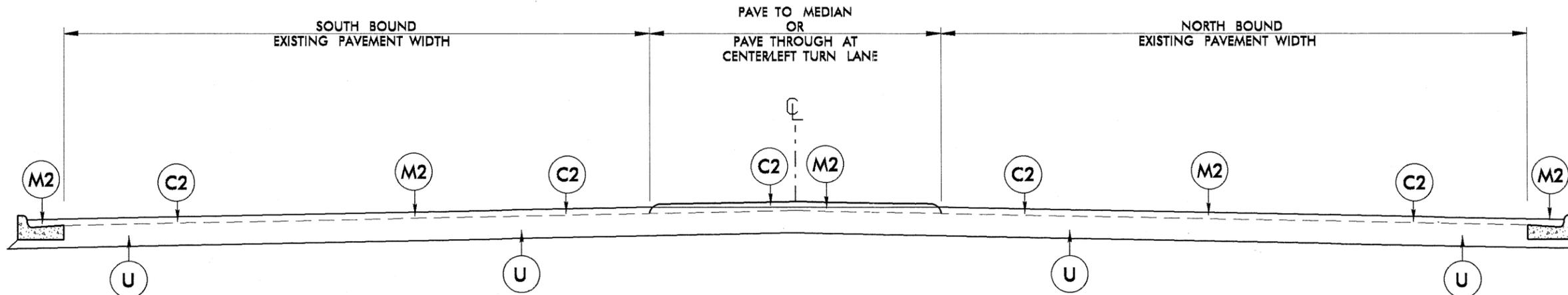
ROWAN COUNTY
 NORTH CAROLINA



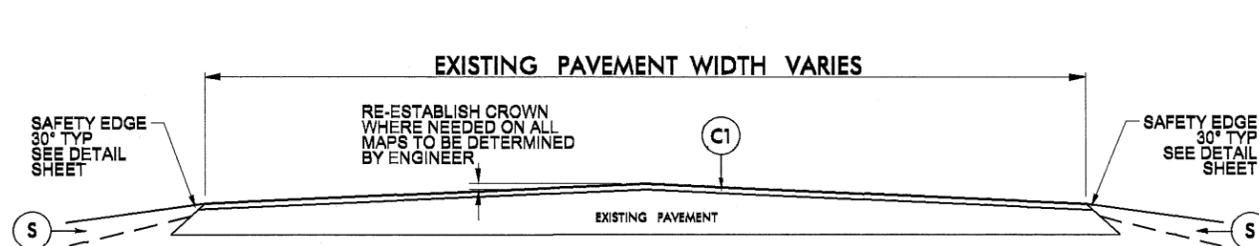
MAP 3
SR 1506 SHUE ROAD
NCDOT County Maintenance
TO DO ALL Patching.
NO TIE IN Milling.
MILL AT Bridge Approaches.
MILL Bridge Deck at Bridge #207.



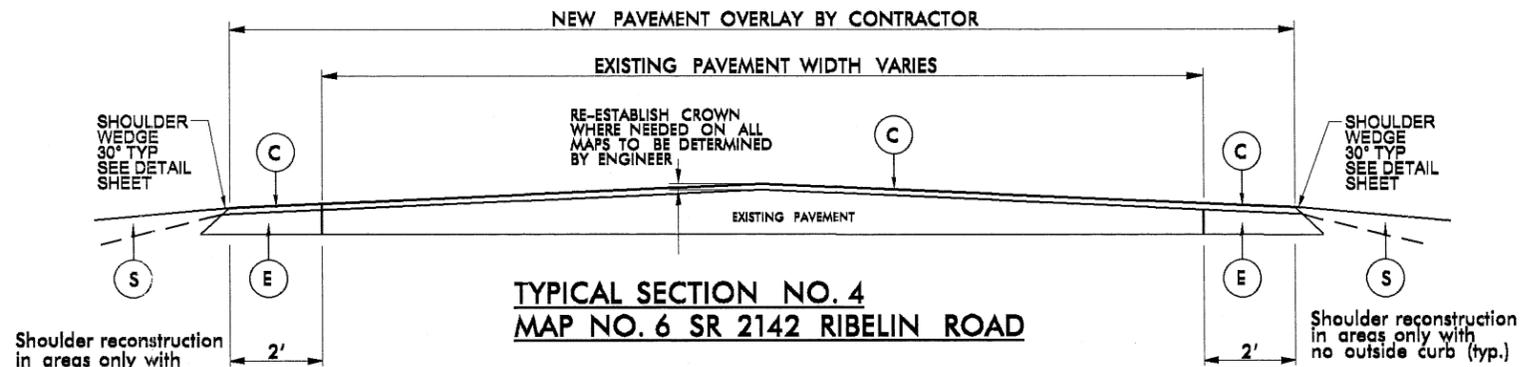
MAP 4
 SR 1984 NEEDMORE ROAD
 NCDOT County Maintenance
 TO DO ALL Patching.
 Tie in mill at map ends.



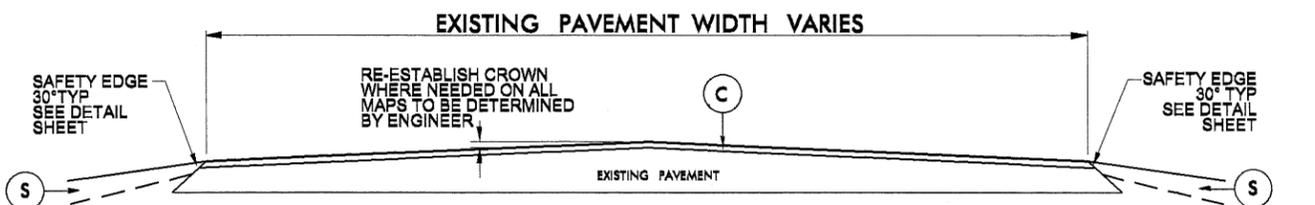
TYPICAL SECTION NO. 1
MAP NO. 1 US 601 / JAKE ALEXANDER BLVD.
 See MAP NO. 1 Inset below



TYPICAL SECTION NO. 2
MAP NO. 2 SR 1002 BRINGLE FERRY ROAD
MAP NO. 4 SR 1984 NEEDMORE ROAD
MAP NO. 5 SR 1915 E. RIDGE ROAD

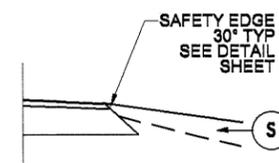


TYPICAL SECTION NO. 4
MAP NO. 6 SR 2142 RIBELIN ROAD



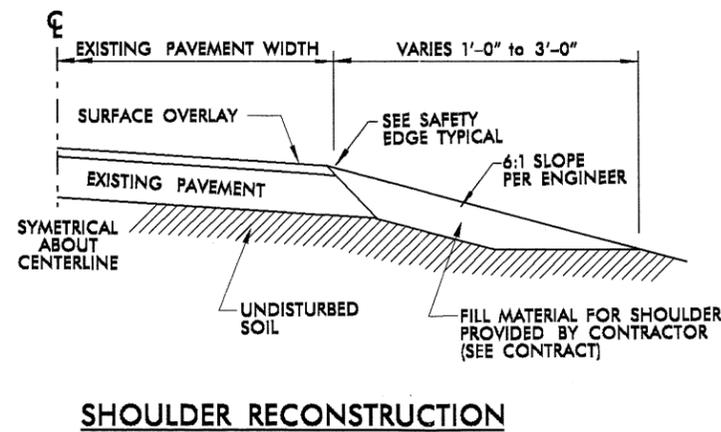
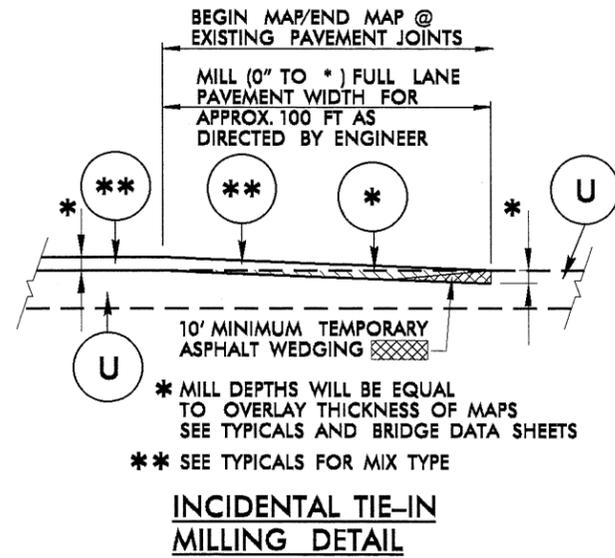
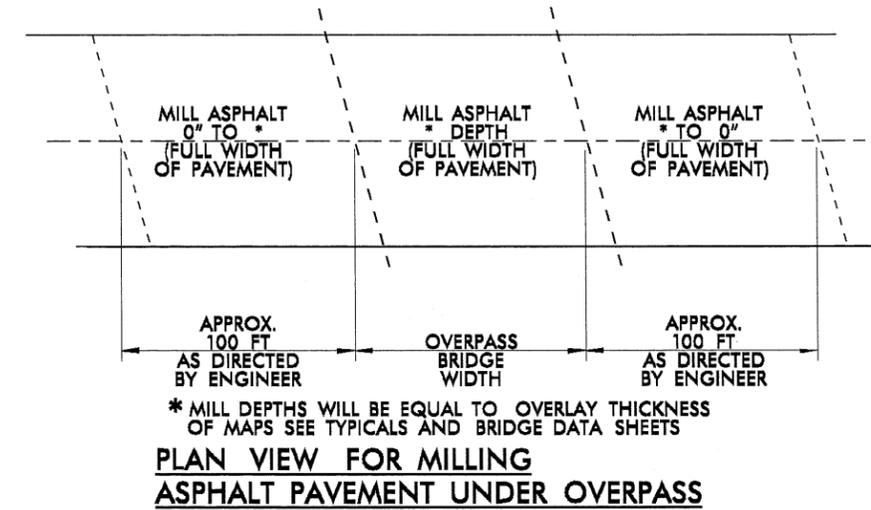
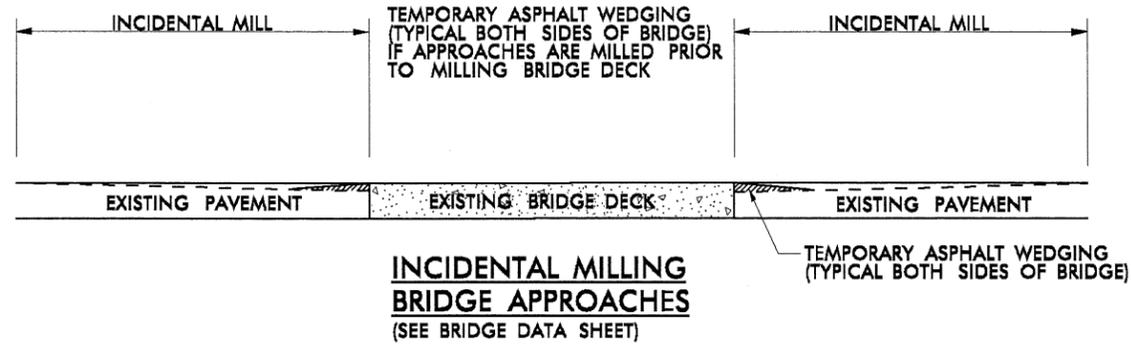
TYPICAL SECTION NO. 3
MAP NO. 3 SR 1506 SHUE ROAD

MAP NO. 1 INSET

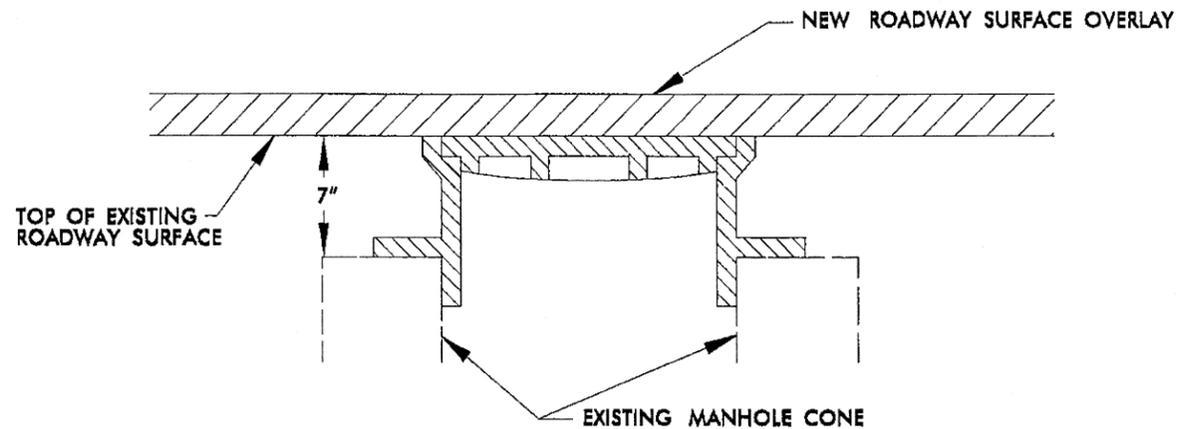


Shoulder reconstruction in areas only with no outside curb (typ.)

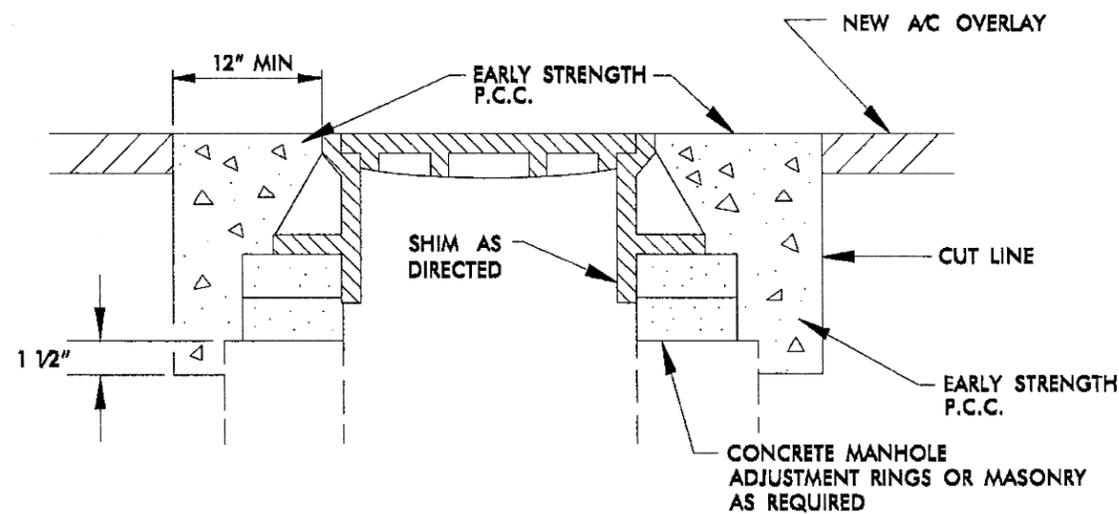
PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD IN EACH OF TWO LAYERS.
E	PROP. APPROX. 5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, TO BE APPLIED AT AN AVERAGE RATE OF 627 LBS PER SQ YD
M	MILL ASPHALT PAVEMENT, 1" DEPTH
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 3" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT



PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
C2	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD IN EACH OF TWO LAYERS.
E	PROP. APPROX. 5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, TO BE APPLIED AT AN AVERAGE RATE OF 627 LBS PER SQ YD
M	MILL ASPHALT PAVEMENT, 1" DEPTH
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 3" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT



STEP 1



STEPS 2,3, & 4

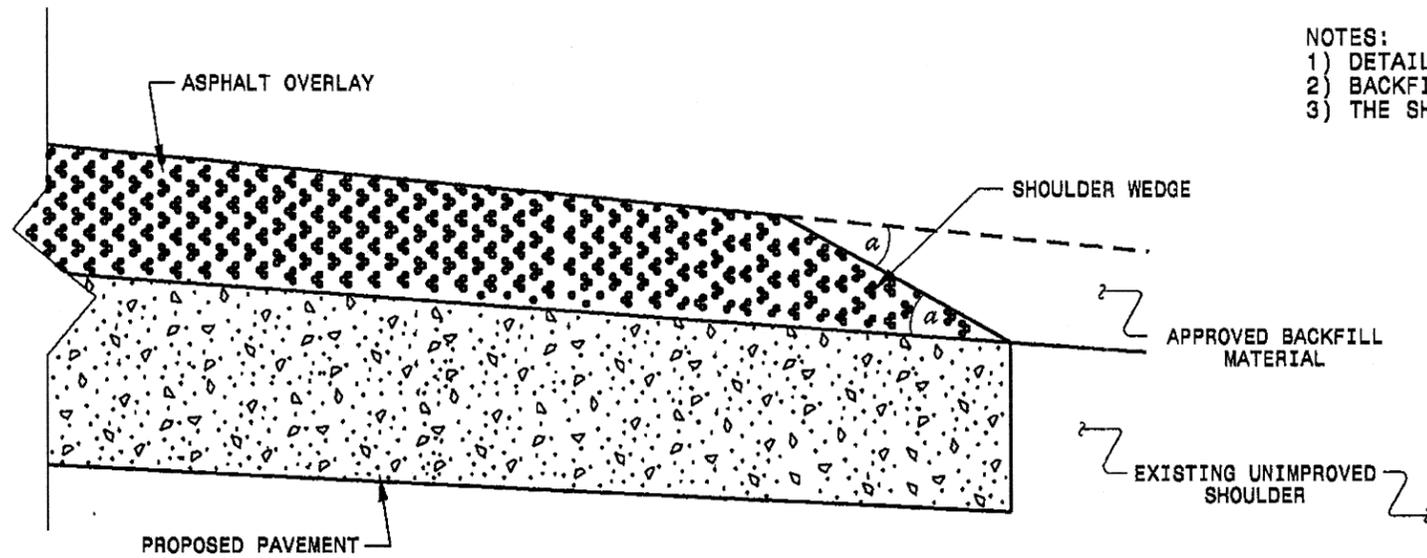
- STEP 1 COVER EXISTING MANHOLE WITH APPROVED MATERIAL AND CONSTRUCT OVERLAY ACROSS TOP OF MANHOLE
- STEP 2 SAW CUT EXCAVATION AROUND MANHOLE 12" MIN. FROM MANHOLE FRAME.
- STEP 3 RAISE MANHOLE FRAME RINGS TO FINISH PAVEMENT PROFILE AND CROSS SLOPE.
- STEP 4 BACKFILL WITH EARLY STRENGTH P.C.C. TO DEPTHS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

MANHOLE ADJUSTMENT DETAIL

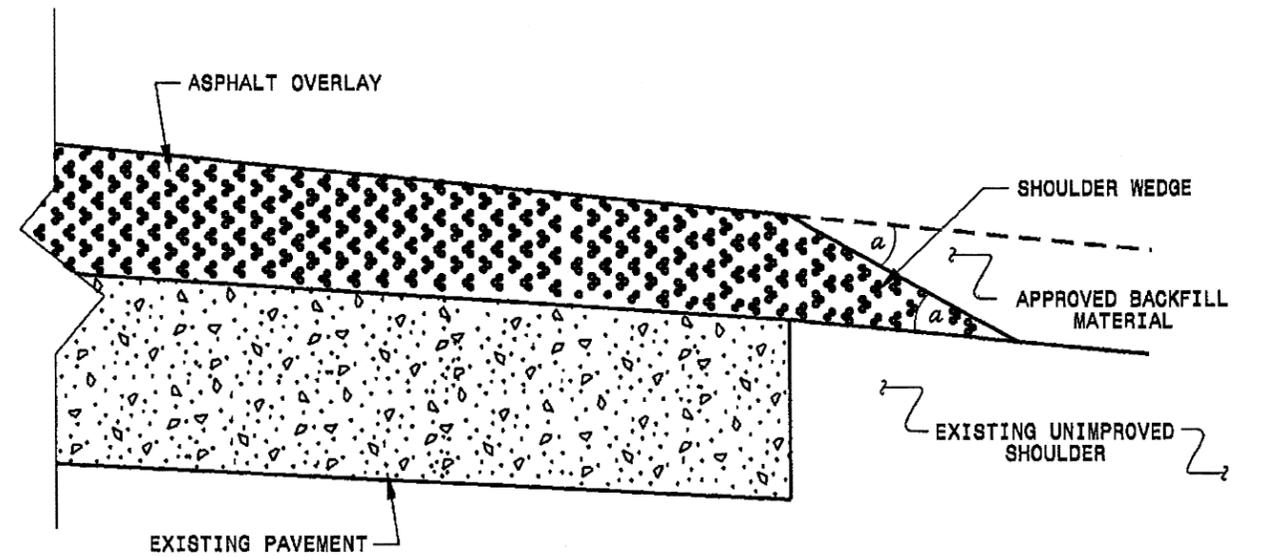
CONSTRUCTION NOTES:

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

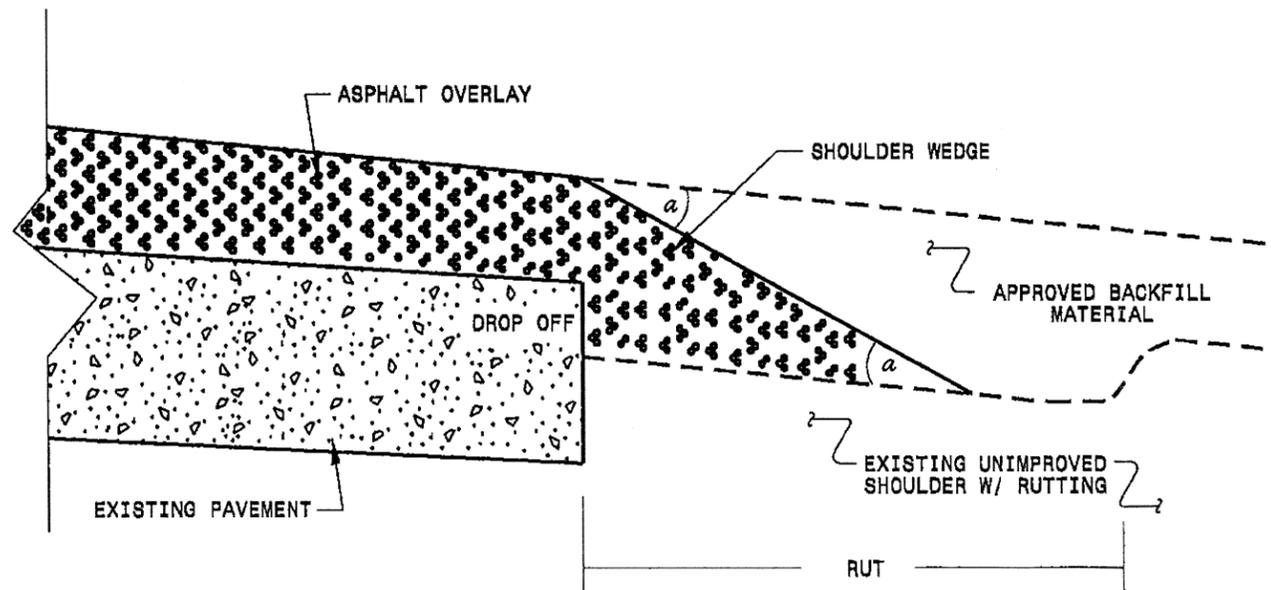
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFCC AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 818-707-6950	FAX 818-250-4118
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T.SPILL	DATE: 7-19-11
MODIFIED BY:	DATE: 10/18/12
CHECKED BY:	DATE:
FILE SPEC: 45137/2818118/451406/1069108/mc2818118.dgn	

21-APR-2014 08:09
 L:\DD\11\2015\Resurfacing\RDWAN\REVISED Shoulder Wedge Detail.dgn
 11/18/12 11:11 AM
 11/18/12 11:11 AM

Rowan County 2015 Resurfacing Bridge List

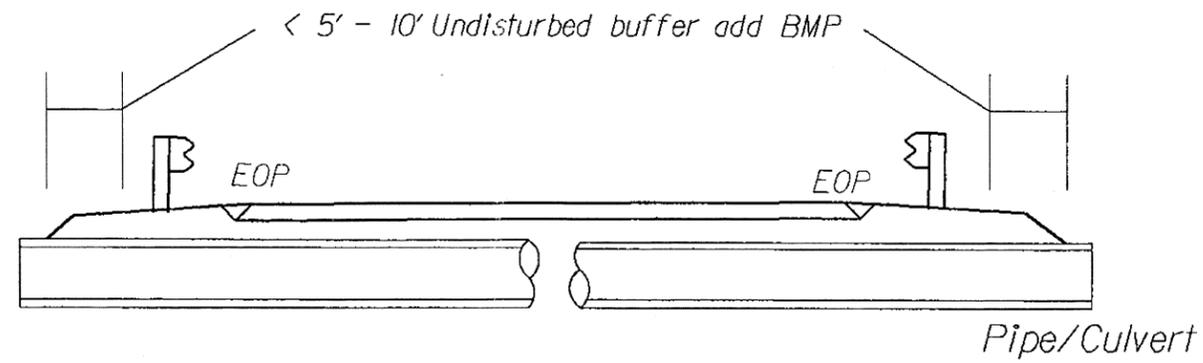
								PROJECT NO.	SHEET NO.	TOTAL NO.	
								9CR.10801.150, 9CR.20801.150	10		
Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance
1	US 601	US 601 JAKE ALEXANDER BLVD.	114	I-85	8.5 RC SLAB	68	NA	NA	234	NA	Mill approach; Do not pave on bridge
1	US 601	US 601 JAKE ALEXANDER BLVD.	391	SOUTHERN RxR	9" RC SLAB	NA	99.9	SBL 16.417FT NBL 17.0FT	176	NA	Mill approaches; Mill and Pave under Bridge
1	US 601	US70/US601	41	US29/US70	8.5 RC SLAB	68	NA	16FT 07 IN	165	NA	Mill approaches; Mill and Pave under Bridge
2	SR 1002	BRINGLE FERRY ROAD	103	HIGH ROCK LAKE BACKWATER	7 RC SLAB	34	NA	NA	226	NA	Mill approaches; Do not pave on bridge
2	SR 1002	BRINGLE FERRY ROAD	434	YADKIN RIVER	6.5 RC SLAB	24	NA	NA	780	SV 35 TTST 38	Mill approach; Do not pave on bridge
3	SR 1506	SHUE ROAD	207	LITTLE CREEK	PPCCS, 3AWS	24	NA	NA	72	NA	Mill approaches; MILL DECK 1 1/2"
4	SR 1984	NEEDMORE ROAD	75	SOUTHERN RxR	PPCCS, 1AWS	24	NA	NA	128	NA	Mill approaches; MILL DECK 1"

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

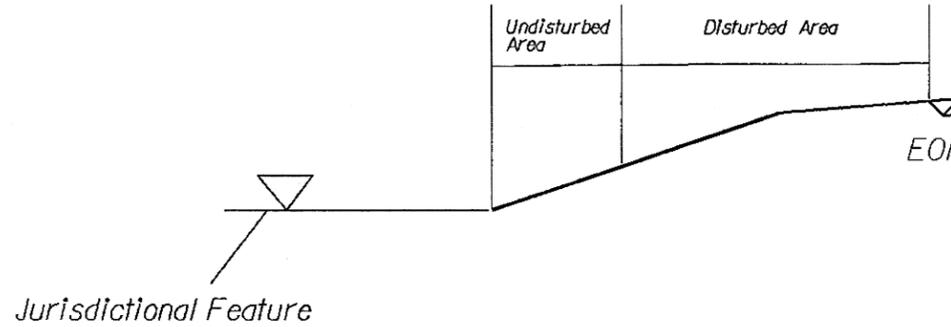
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

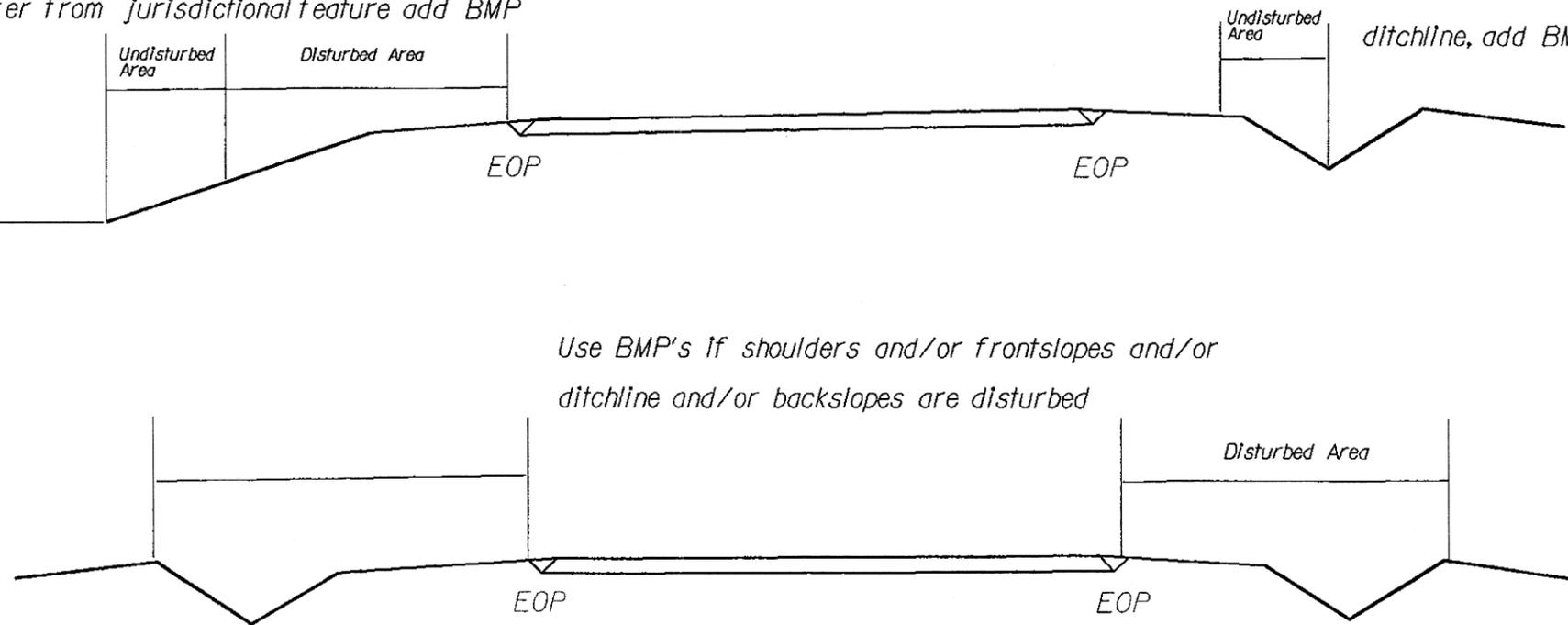
PROJECT REFERENCE NO.	SHEET NO.
9CR.10801.150, 9CR.20801.150	EC-1



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

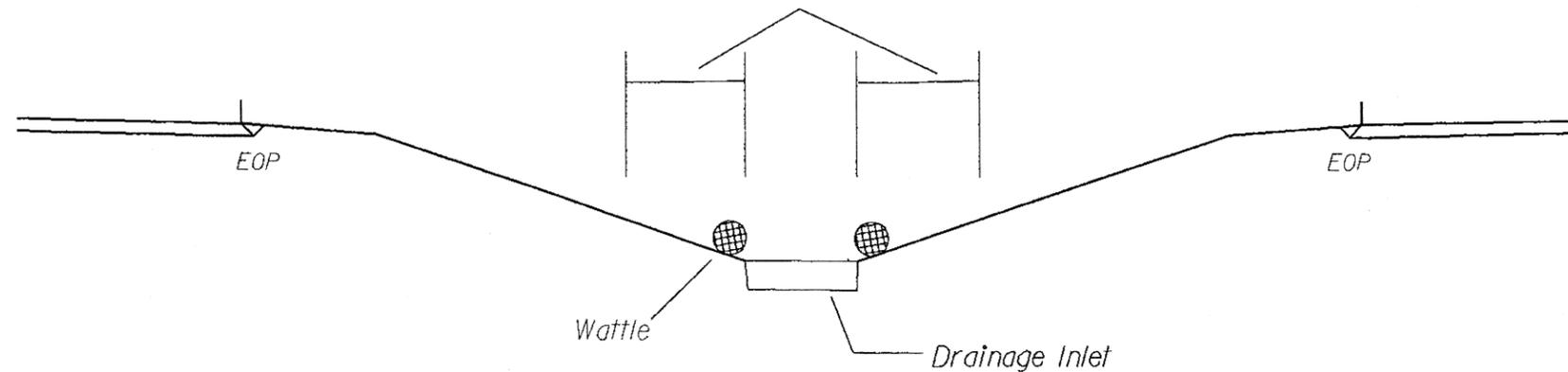


< 5' - 10' Undisturbed buffer from ditchline, add BMP



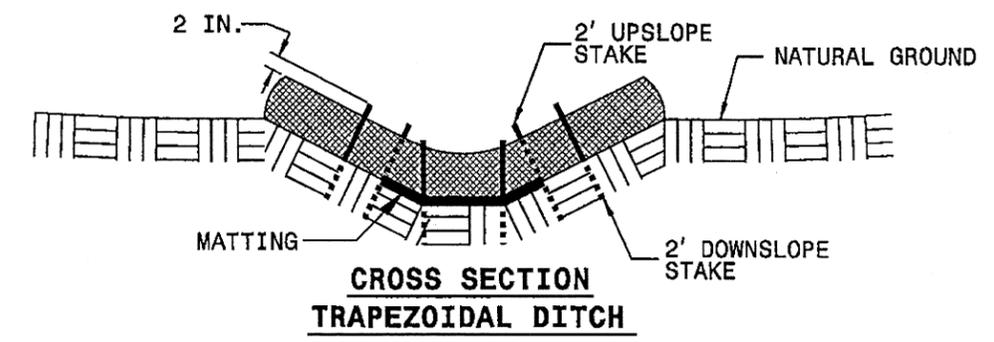
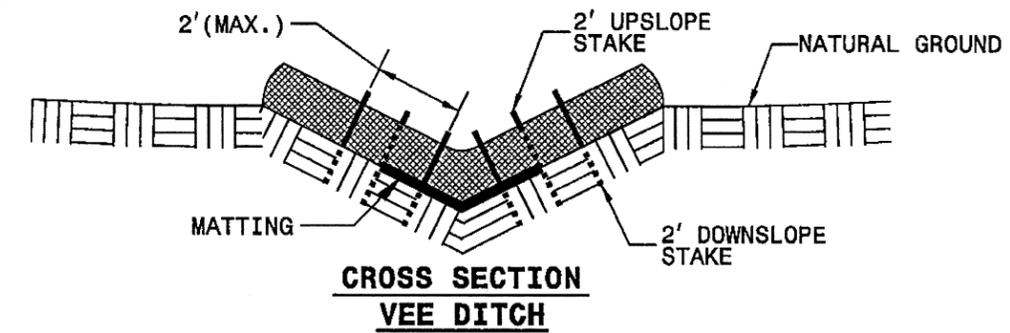
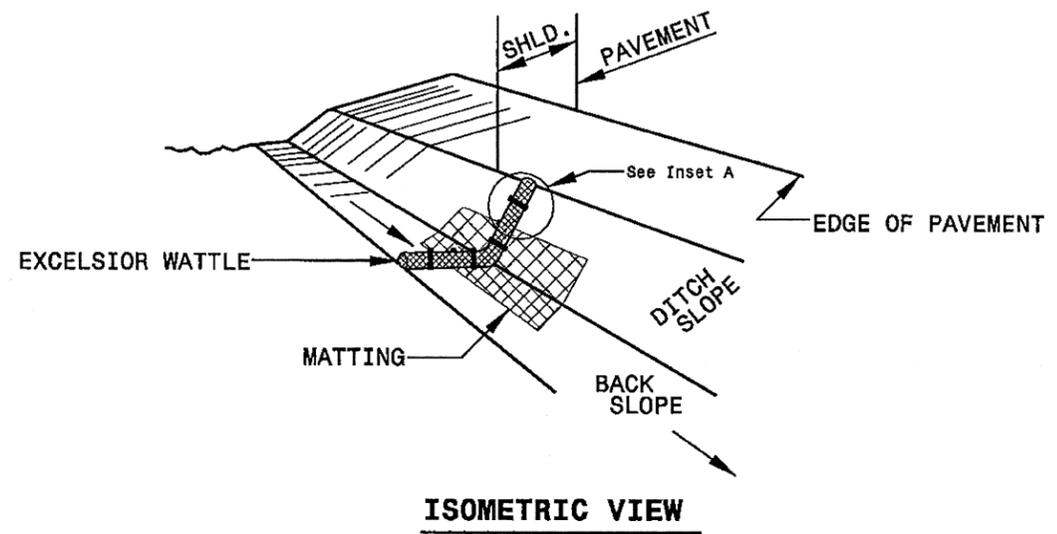
Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

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



NOT TO SCALE

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.

