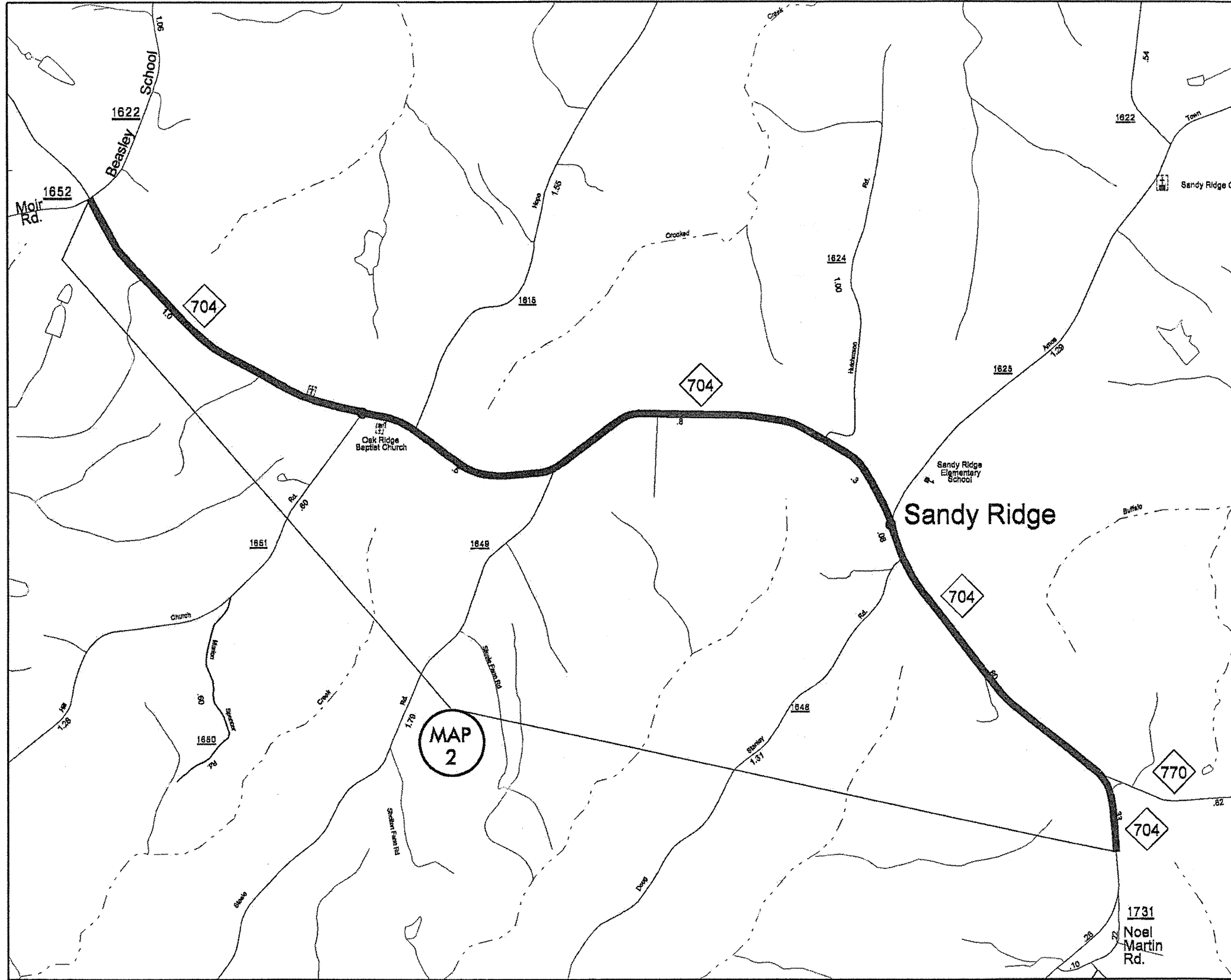


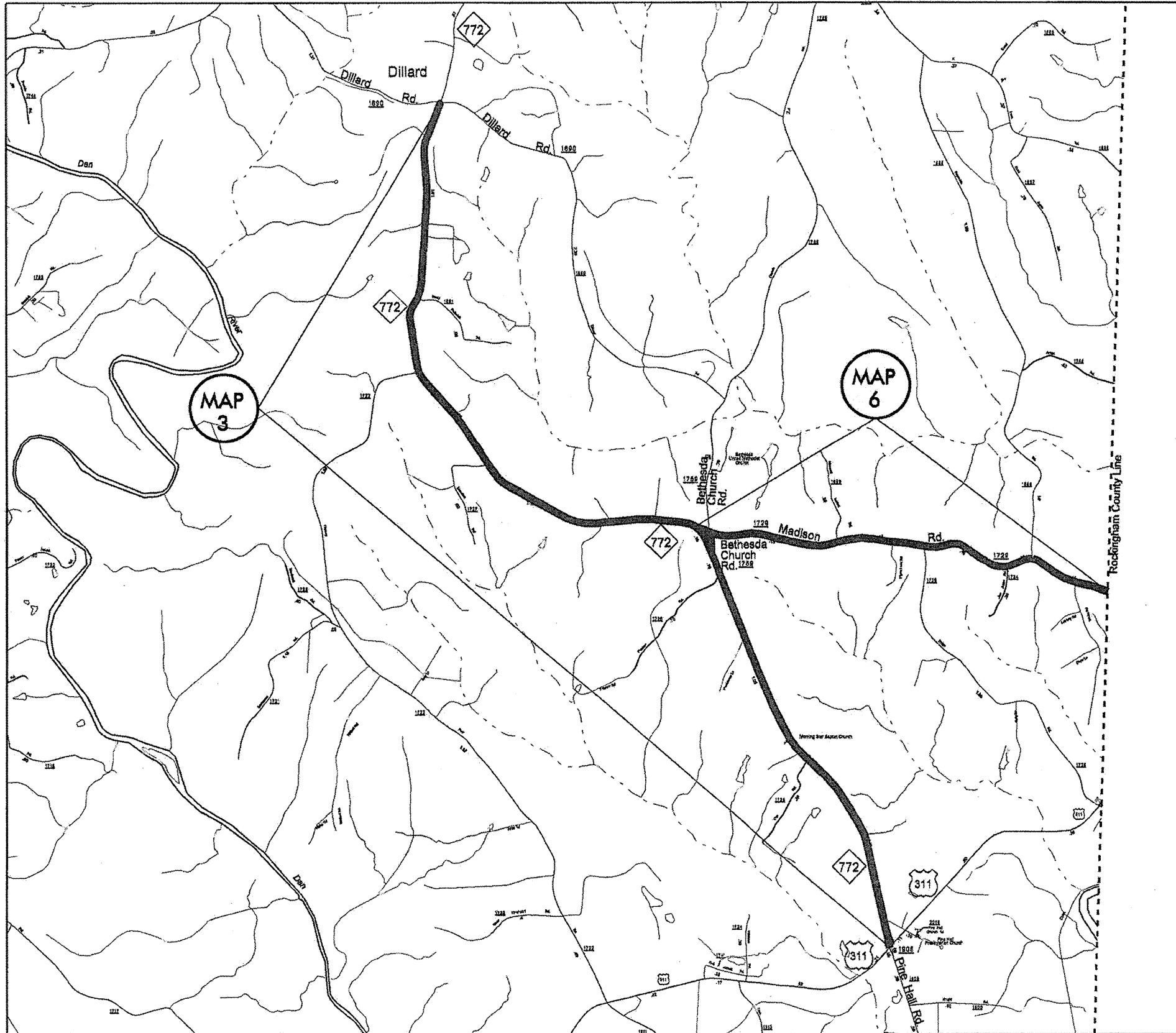
MAP 1
NC 268

STOKES COUNTY
NORTH CAROLINA



MAP 2
NC 704

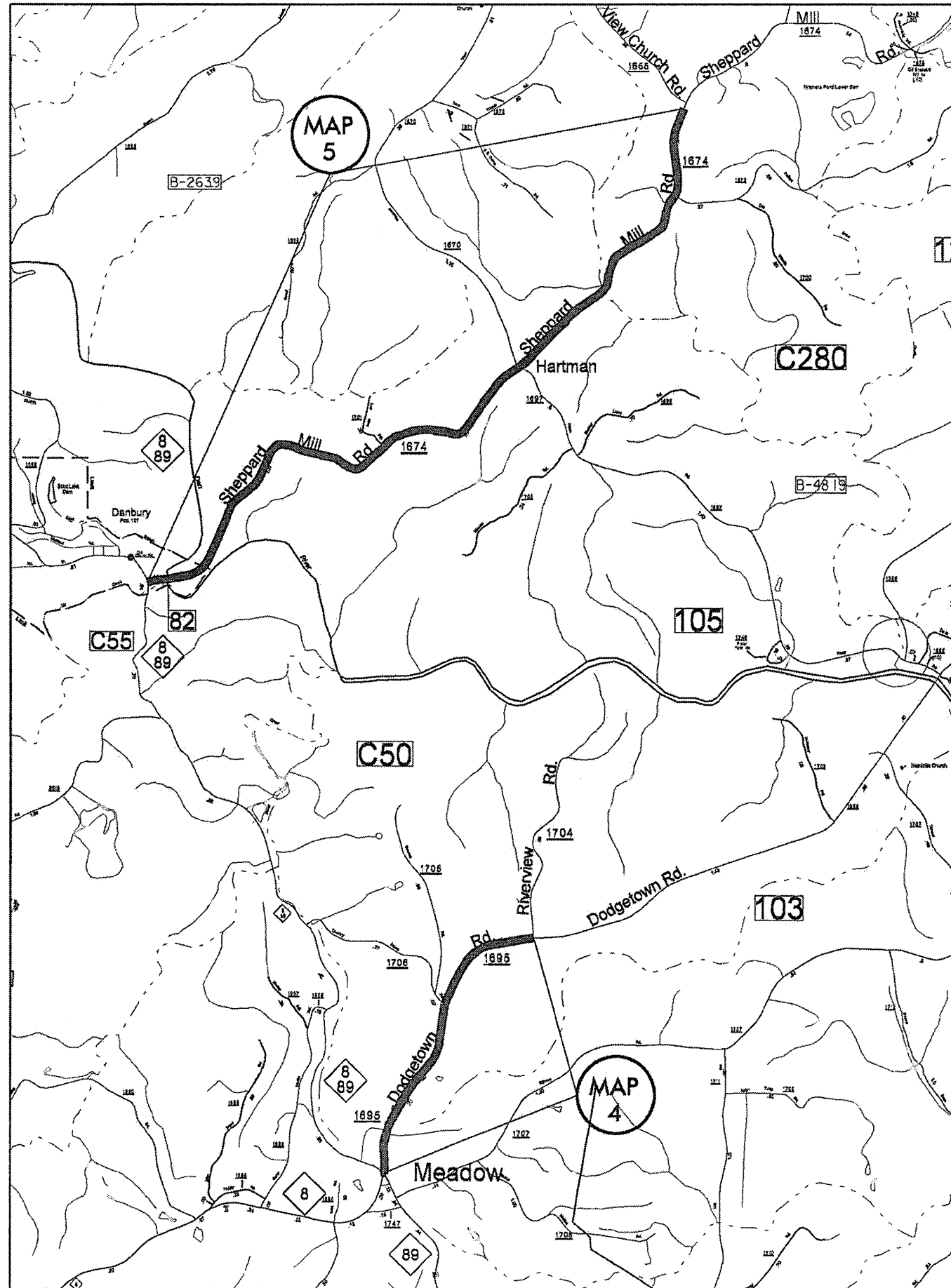
STOKES COUNTY
NORTH CAROLINA



MAP 3
NC 772

MAP 6
Madison Road SR 1729
Bethesda Church Road SR 1759

STOKES COUNTY
NORTH CAROLINA

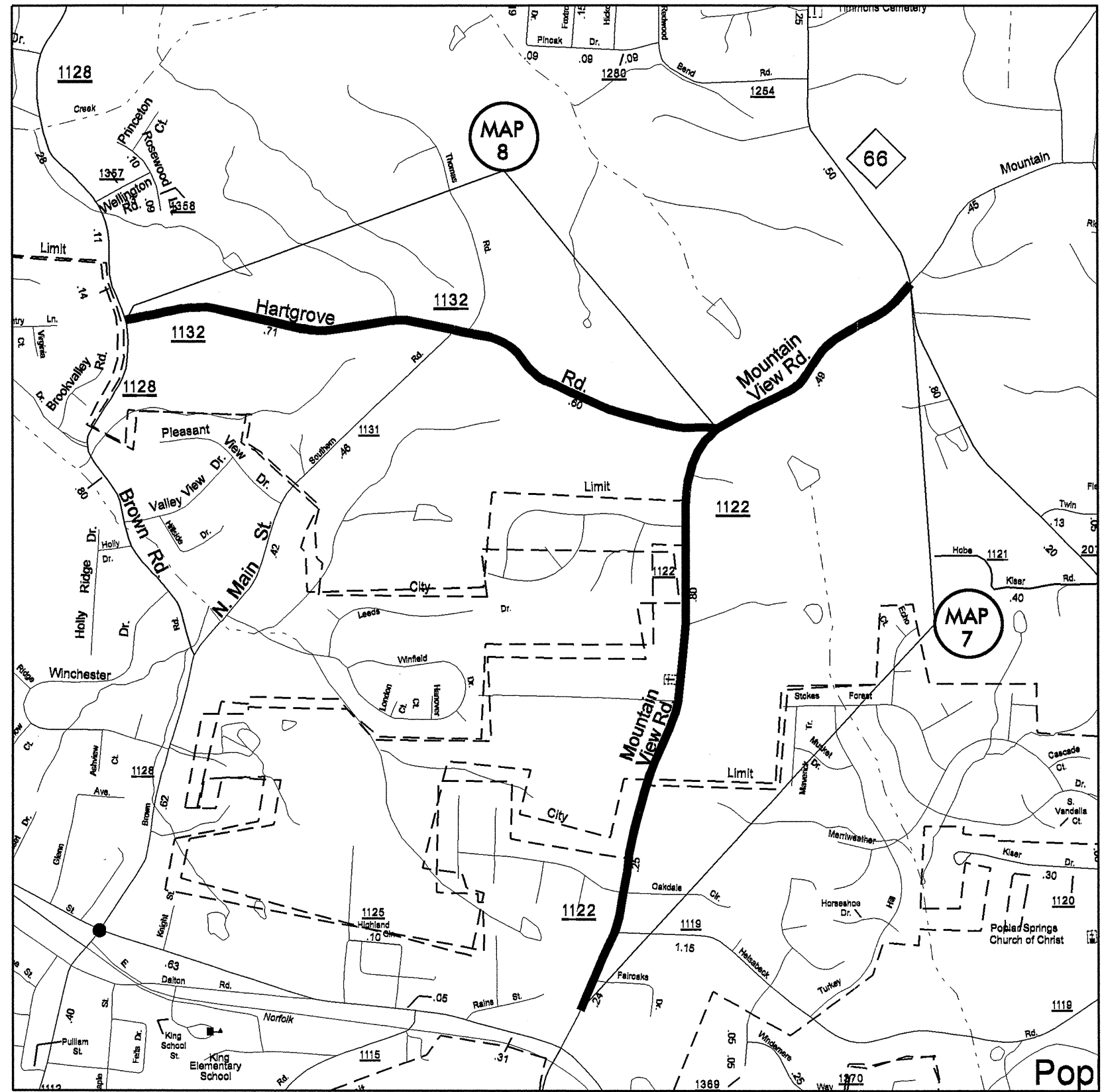


MAP 4
Dodgetown Rd. SR 1695

MAP 5
Sheppard Mill Road SR 1674
Contact Bridge Maintenance Engineer
prior to milling.
Deck patching/joint repair to be done
by bridge maintenance prior to paving.

STOKES COUNTY
NORTH CAROLINA

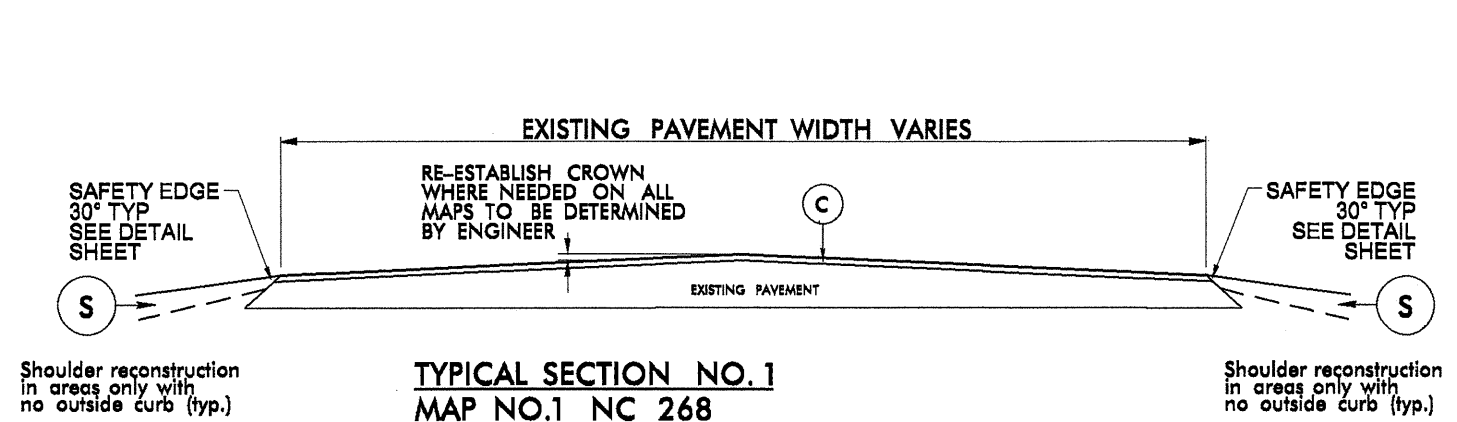
PROJECT REFERENCE NO.	SHEET NO.
9CR.10851.140, 9CR.20851.141	5



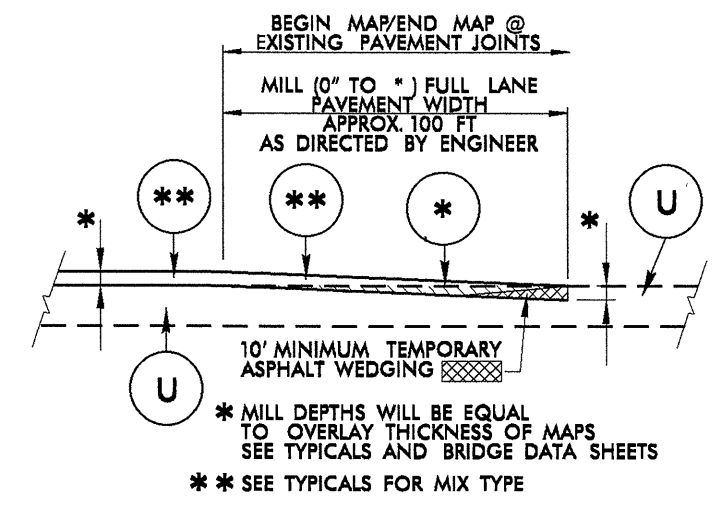
MAP 7
 SR 1122 MOUNTAINVIEW ROAD
 Mill for 150 feet from Edge of pavement
 at NC 66.
 Division to replace Loops.
 Tie in at pvmt. Jt. at new Sheetz
 Entrance tie in, do not repave turn
 lanes at Old US 52 (SR 1236).

MAP 8
 SR 1132 HARTGROVE ROAD
 Tie in Mill at Brown Rd. (SR 1128) only.
 Tie into Mountainview Rd. (SR 1122) new
 pavement.

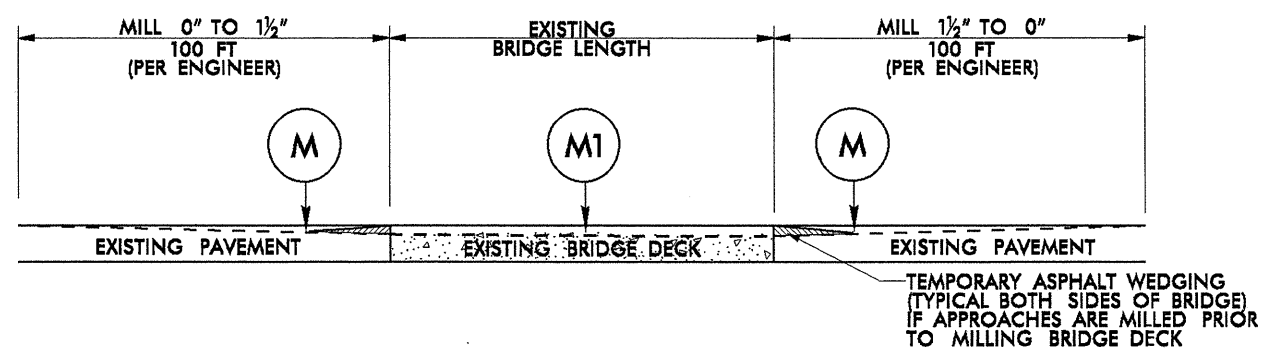
STOKES COUNTY
 NORTH CAROLINA



- TYPICAL SECTION NO. 1**
MAP NO.1 NC 268
MAP NO.2 NC 704
MAP NO.3 NC 772
MAP NO.4 SR 1695 DODGETOWN RD.
MAP NO.5 SR 1674 SHEPPARD MILL RD.
MAP NO.6 SR 1729 MADISON RD.
MAP NO.7 SR 1974 MOUNTAINVIEW RD.
MAP NO.8 SR 1132 HARTGROVE RD.



INCIDENTAL TIE-IN MILLING DETAIL



MILLING BRIDGE DECK AND APPROACHES
MAP NO.5 SR 1674 SHEPPARD MILL RD.
 (SEE BRIDGE DATA SHEET)

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD
M	INCIDENTAL MILLING
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

CONSTRUCTION NOTES:

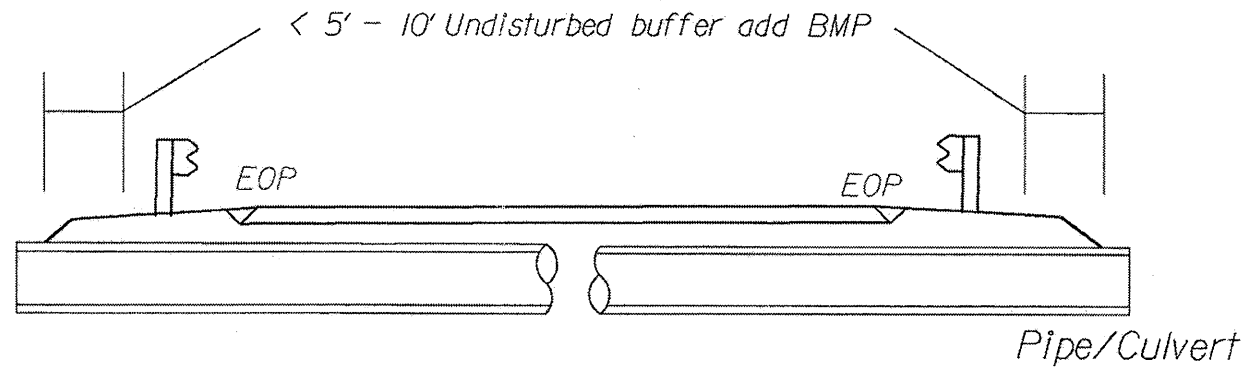
1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:
 - PHASE 1 - MILLING AND PATCHING (WHEN REQUIRED)
 - PHASE 2 - SURFACE OVERLAY
 - PHASE 3 - SHOULDER DROP-OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
 - 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: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

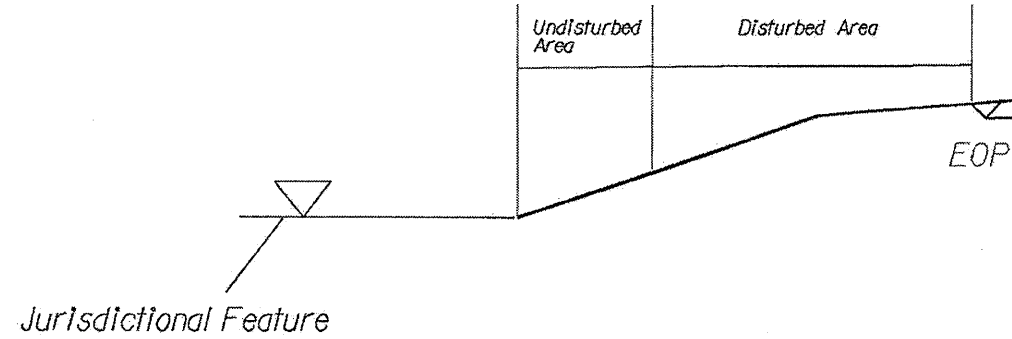
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

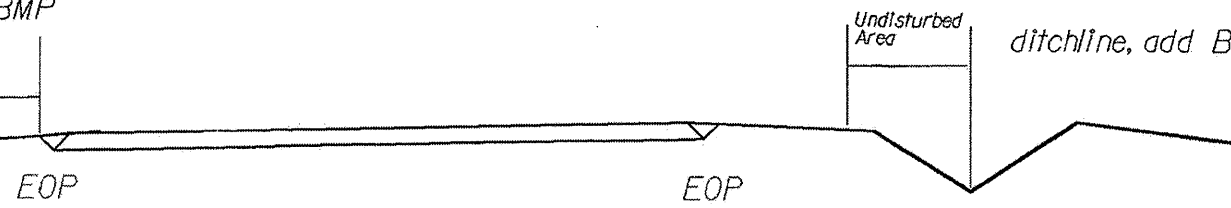
PROJECT REFERENCE NO.	SHEET NO.
9CR.10851.140, 9CR.20851.141	8



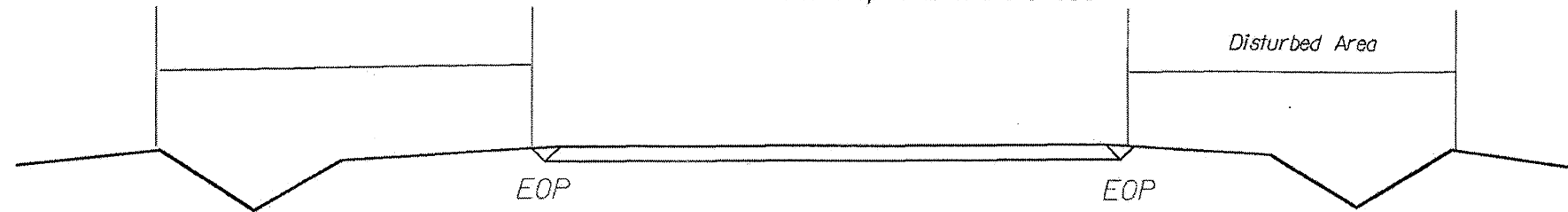
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



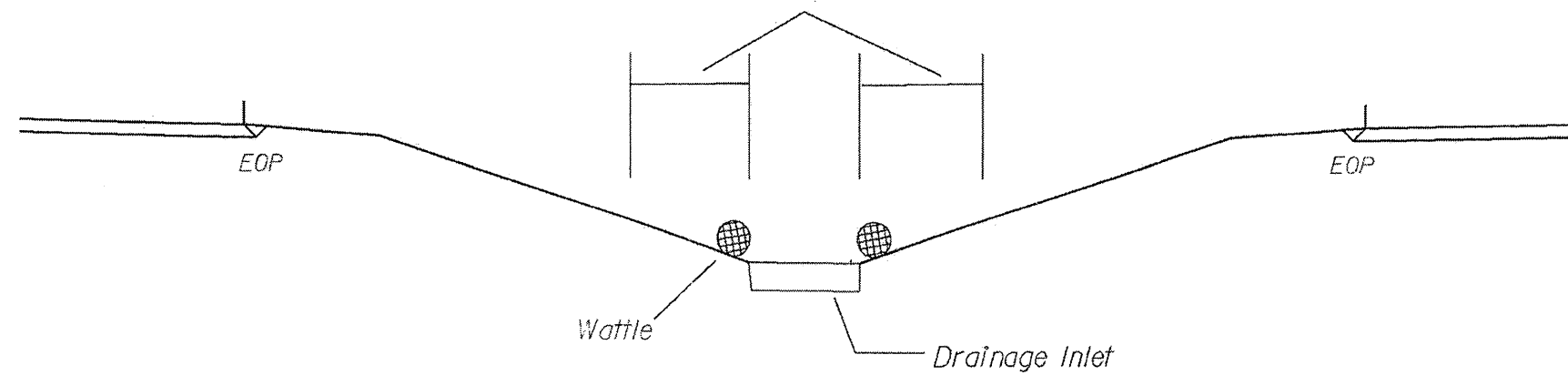
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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

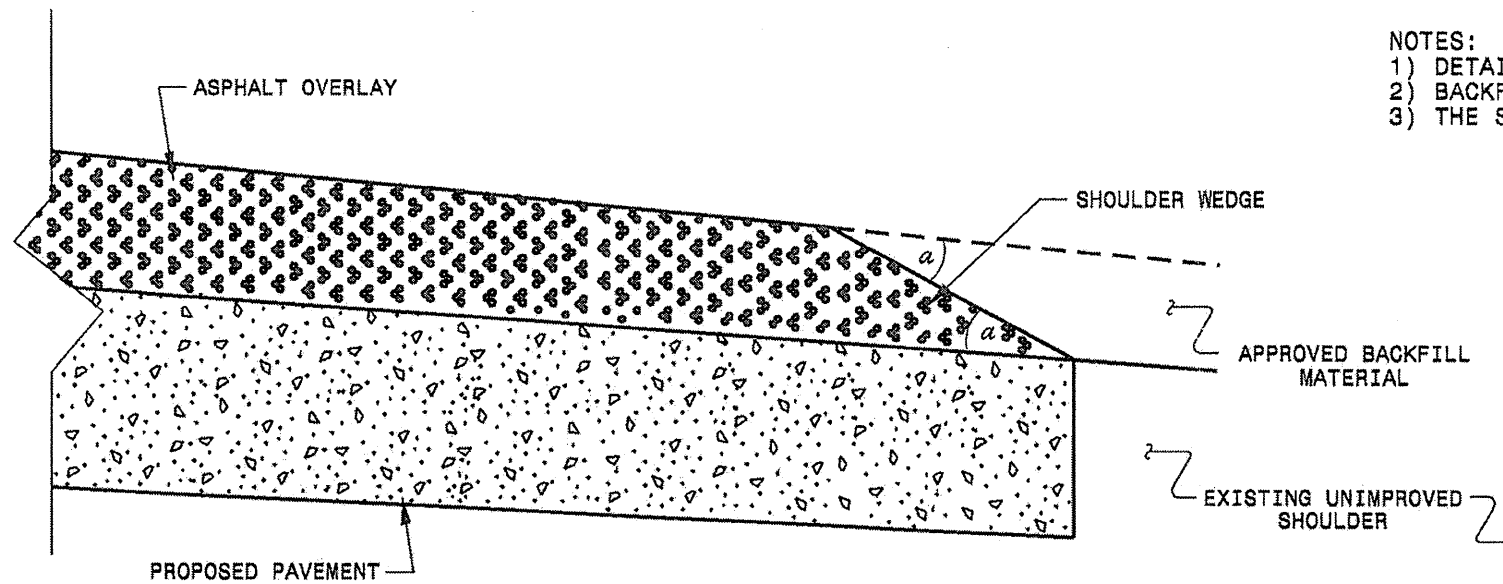


< 5' - 10' Undisturbed buffer from inlet, add wattle

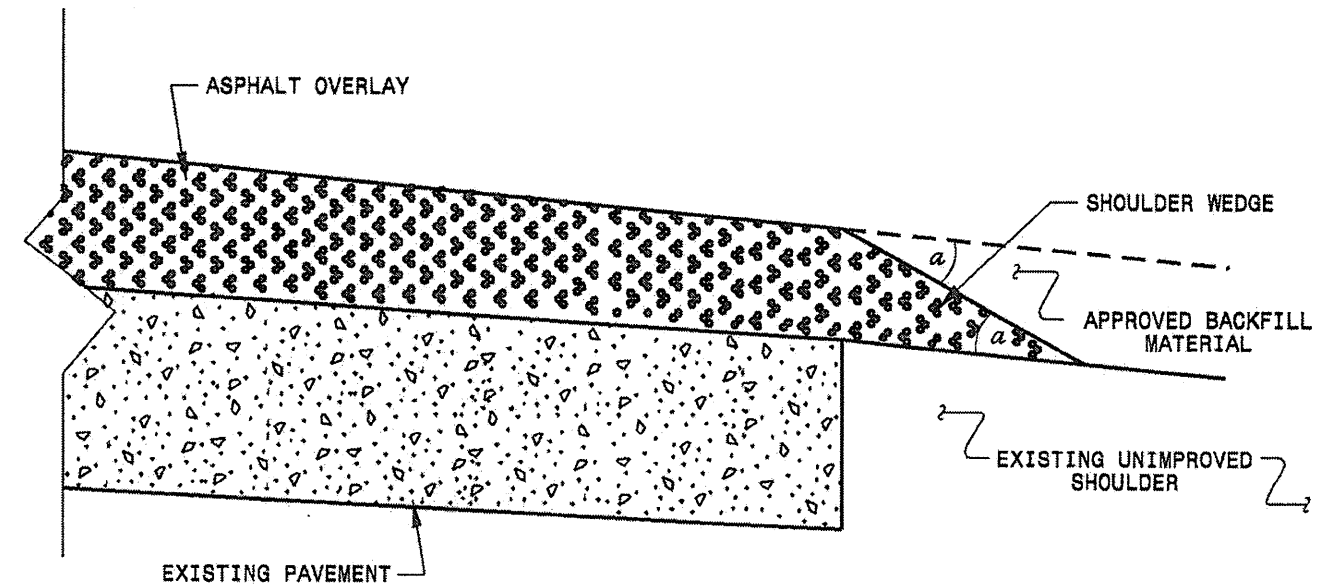


NOT TO SCALE

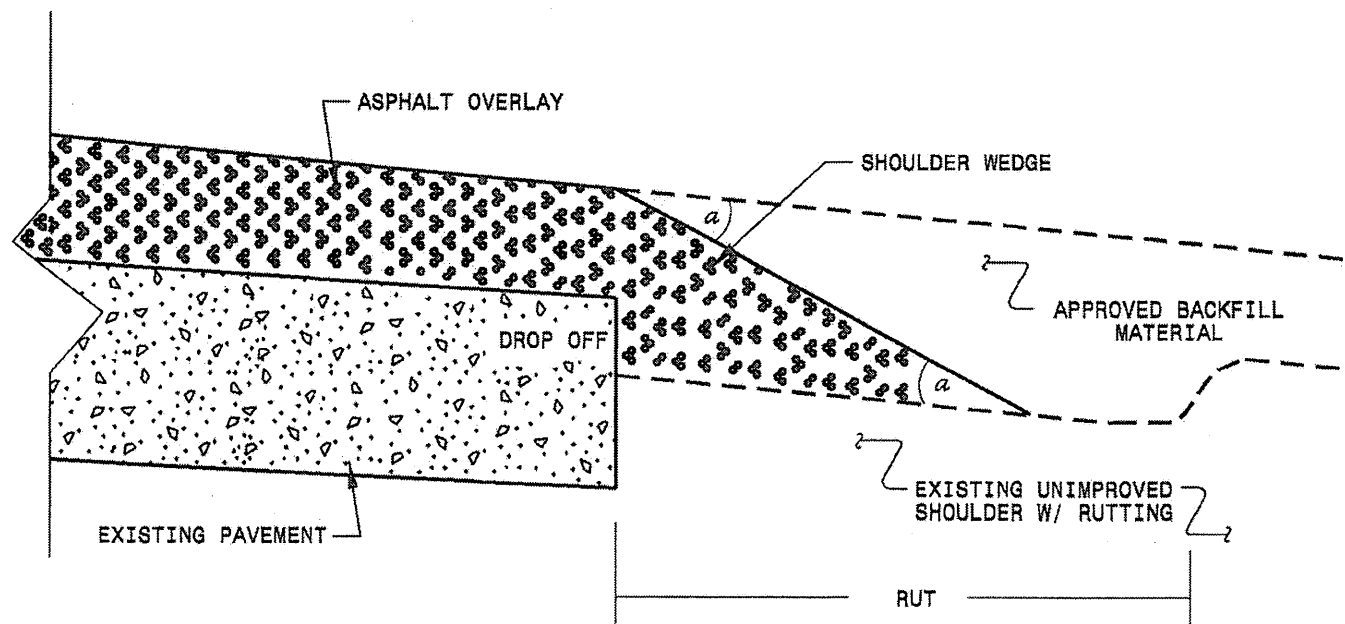
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



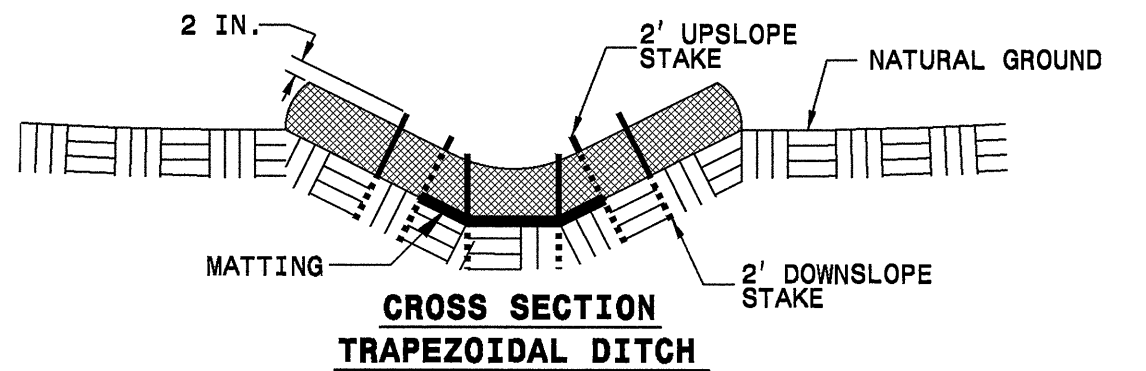
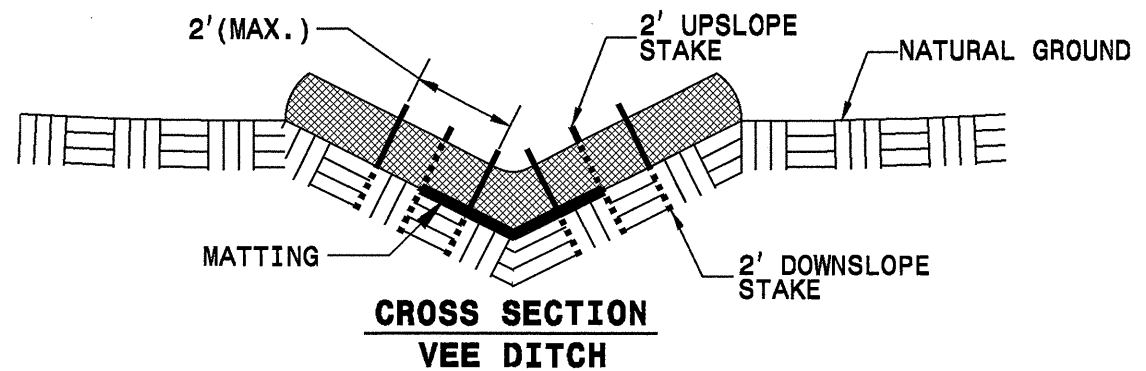
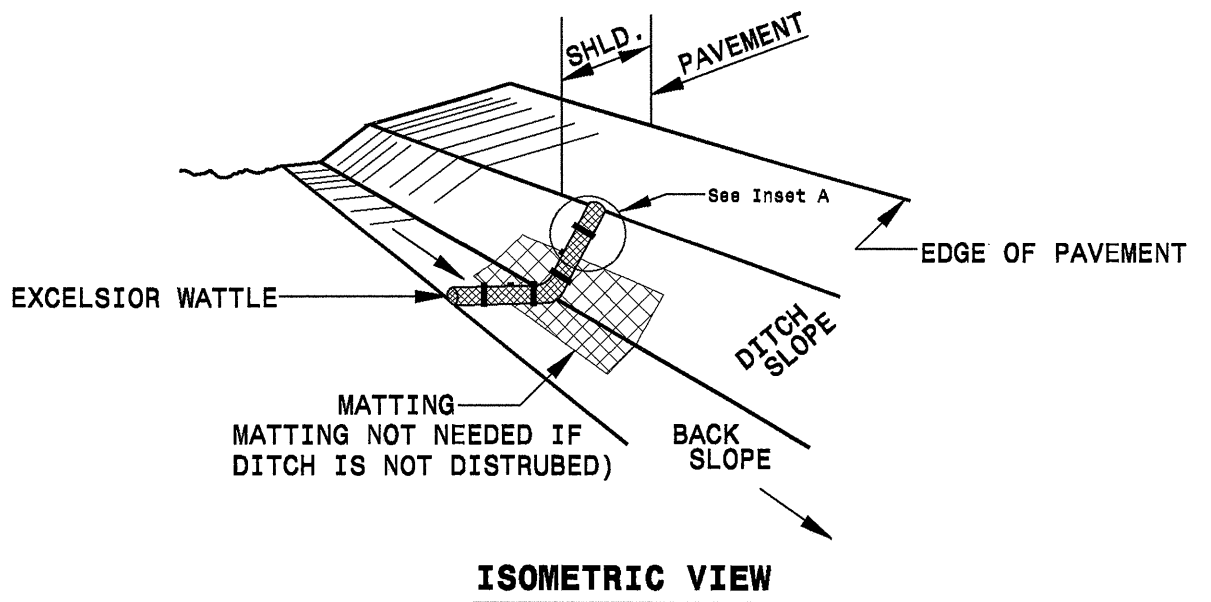
SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-707-8950 FAX 919-250-4119		
SHOULDER WEDGE DETAILS		
ORIGINAL BY: T. SPELL	DATE: 7-19-11	
MODIFIED BY:	DATE: 10/16/12	
CHECKED BY:	DATE:	
FILE SPEC:	SCUP7/DETAILS/STAND/SHOULDERWEDGETA3.dgn	

D:\MP-2011-09-31\Drawings\ESTIMATE\REVISED Shoulder Wedge Detail.dgn
 10/16/12
 T. SPELL
 10/16/12

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.

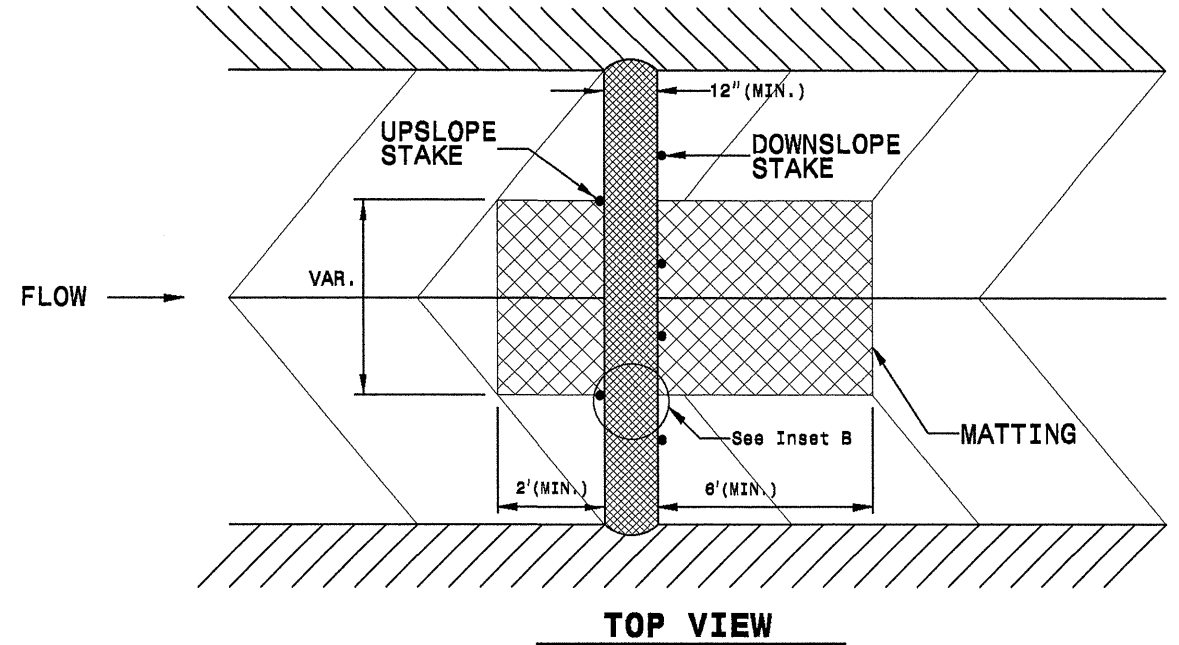
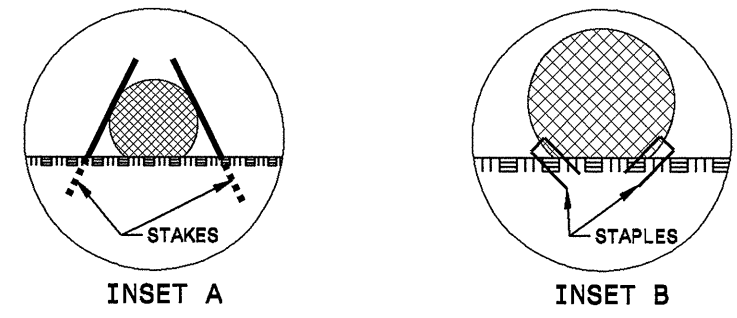
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.

IF DITCH WILL BE DISTURBED, INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



PROJECT NO.	SHEET NO.	TOTAL NO.
9CR.10851.140, 9CR.20851.141	12	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	AGGREGATE SHOULDER BORROW ALLOWED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	MILLING ASPHALT PAVEMENT, 1-1/2" DEPTH SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJ. OF DROP INLET EA	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	WATTLE LF
9CR.10851.140	Stokes	1	NC 268	FROM SURRY COUNTY LINE TO PILOT WESTFIELD RD. (SR 1199)	1	NO	NO	YES	2.616	22	314	222	5.23		489	3,138	188	20			1,046	105
		2	NC 704	FROM 35 MPH CURVE SIGN SOUTH OF NC 770 TO PAVEMENT JOINT AT BEASLEY SCHOOL RD. (SR1622)	1	NO	NO	YES	3.704	22	444	282	7.41		489	4,489	269	20			1,482	148
		3	NC 772	FROM US 311 TO DILLARD RD. (SR 1690)	1	NO	NO	YES	5.51	24	661	477	11.02		800	7,206	432	20			2,204	220
TOTAL FOR PROJ NO. 9CR.10851.140									11.83		1,419	981	23.66		1,778	14,833	889	60			4,732	473
9CR.20851.141	Stokes	4	SR 1695 DODGETOWN RD.	FROM NC 8/NC 89 TO RIVERVIEW RD. (SR 1704)	1	NO	NO	YES	1.35	20	162	156	2.70		444	1,473	88	20			540	54
		5	SR 1674 SHEPPARD MILL RD.	FROM NC 8/NC 89 TO SOUTH RADIUS PT. OF NORTHVIEW CHURCH RD. (SR 1655)	1	NO	NO	YES	3.74	20	449	213	7.48	933	977	4,080	245	20			1,496	150
		6	SR 1729 MADISON RD./BETHESDA CHURCH RD. (SR 1759)	FROM NC 772 TO ROCKINGHAM COUNTY LINE INCLUDES PORTION OF BETHESDA CHURCH RD. (SR 1759)	1	NO	NO	YES	2.22	20	290	201	4.83		222	2,518	151	20			965	97
		7	SR 1122 MOUNTAINVIEW RD.	FROM EDGE OF PAVEMENT OF NC 66 TO PAVEMENT JOINT AT OLD US 52 (SR 1236) / PAVEMENT JOINT BEFORE SHEETZ ENTRANCE	1	NO	NO	YES	1.759	24	211	54	3.52	400	267	2,117	127	20	1	3	704	70
		8	SR 1132 HARTGROVE RD.	FROM BROWN RD. (SR 1128) TO MOUNTAINVIEW RD. (SR 1122)	1	NO	NO	YES	1.282	20	154	60	2.56		222	1,538	92	20			513	51
TOTAL FOR PROJ NO. 9CR.20851.141									10.351		1,266	684	21.09	1,333	2,132	11,726	703	100	1	3	4,218	422
GRAND TOTAL									22.181		2,685	1,665	44.75	1,333	3,910	26,559	1,592	160	1	3	8,950	895

PROJECT NO.	SHEET NO.	TOTAL NO.
9CR.10851.140, 9CR.20851.141	13	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4685000000-E	4686000000-E	4695000000-E	4697000000-E	4710000000-E	4721000000-E	4725000000-E	4905000000-N		
										4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	8" X 90 M YELLOW THERMO LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS) LF	24" X 120 M WHITE THERMO LF	THERMO MSG ONLY 120 M EA	THERMO RT ARROW 90 M EA	THERMO LT ARROW 90 M EA	SNOW PLOWABLE MARKERS EA
9CR.10851.140	Stokes	1	NC 268	FROM SURRY COUNTY LINE TO PILOT WESTFIELD RD. (SR 1199)	1	2	2WU	2.616	22	28,148	27,625	98					173		
		2	NC 704	FROM 35 MPH CURVE SIGN SOUTH OF NC 770 TO PAVEMENT JOINT AT BEASLEY SCHOOL RD. (SR1622)	1	2	2WU	3.704	22	39,855	39,558	108					244		
		3	NC 772	FROM US 311 TO DILLARD RD. (SR 1690)	1	2	2WU	5.51	24	59,288	58,186	114					364		
TOTAL FOR PROJ NO. 9CR.10851.140									11.83	127,291	125,369	320					781		
										125,689									
9CR.20851.141	Stokes	4	SR 1695 DODGETOWN RD.	FROM NC 8/NC 89 TO RIVERVIEW RD. (SR 1704)	1	2	2WU	1.35	20	14,526	14,256	20			30				
		5	SR 1674 SHEPPARD MILL RD.	FROM NC 8/NC 89 TO SOUTH RADIUS PT. OF NORTHVIEW CHURCH RD. (SR 1655)	1	2	2WU	3.74	20	40,242	39,494	52	75						
		6	SR 1729 MADISON RD./BETHESDA CHURCH RD. (SR 1759)	FROM NC 772 TO ROCKINGHAM COUNTY LINE INCLUDES PORTION OF BETHESDA CHURCH RD. (SR 1759)	1	2	2WU	2.22	20	24,982	23,933	46			71				
		7	SR 1122 MOUNTAINVIEW RD.	FROM EDGE OF PAVEMENT OF NC 66 TO PAVEMENT JOINT AT OLD US 52 (SR 1236) / PAVEMENT JOINT BEFORE SHEETZ ENTRANCE	1	2	2WU	1.759	24	18,927	20,935	550	211		82	4	2	4	
		8	SR 1132 HARTGROVE RD.	FROM BROWN RD. (SR 1128) TO MOUNTAINVIEW RD. (SR 1122)	1	2	2WU	1.282	20	13,794	13,538	16							
TOTAL FOR PROJ NO. 9CR.20851.141									10.351	112,471	112,156	684	211	75	183	4	2	4	
										112,840									
GRAND TOTAL									22.181	239,762	237,525	1,004	211	75	183	4	2	4	781
										238,529									
										6									