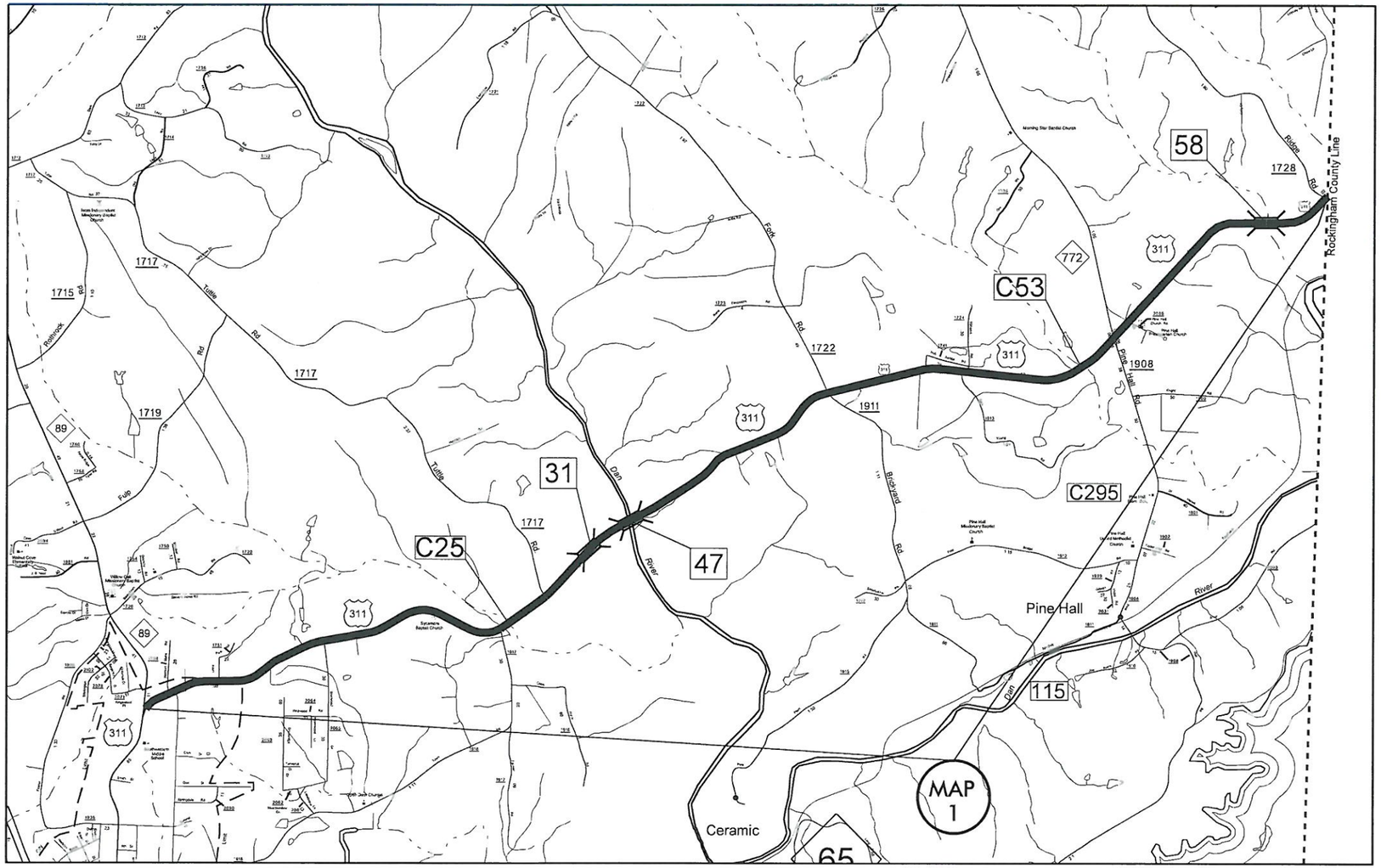
PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.26.10851.1 2016CPT.09.27.20851.1	1



N

MAP 1 US 311

Tie in Mill at end of Maps.

Mill 0–1½" at curb near NC 89 a 12 foot width.

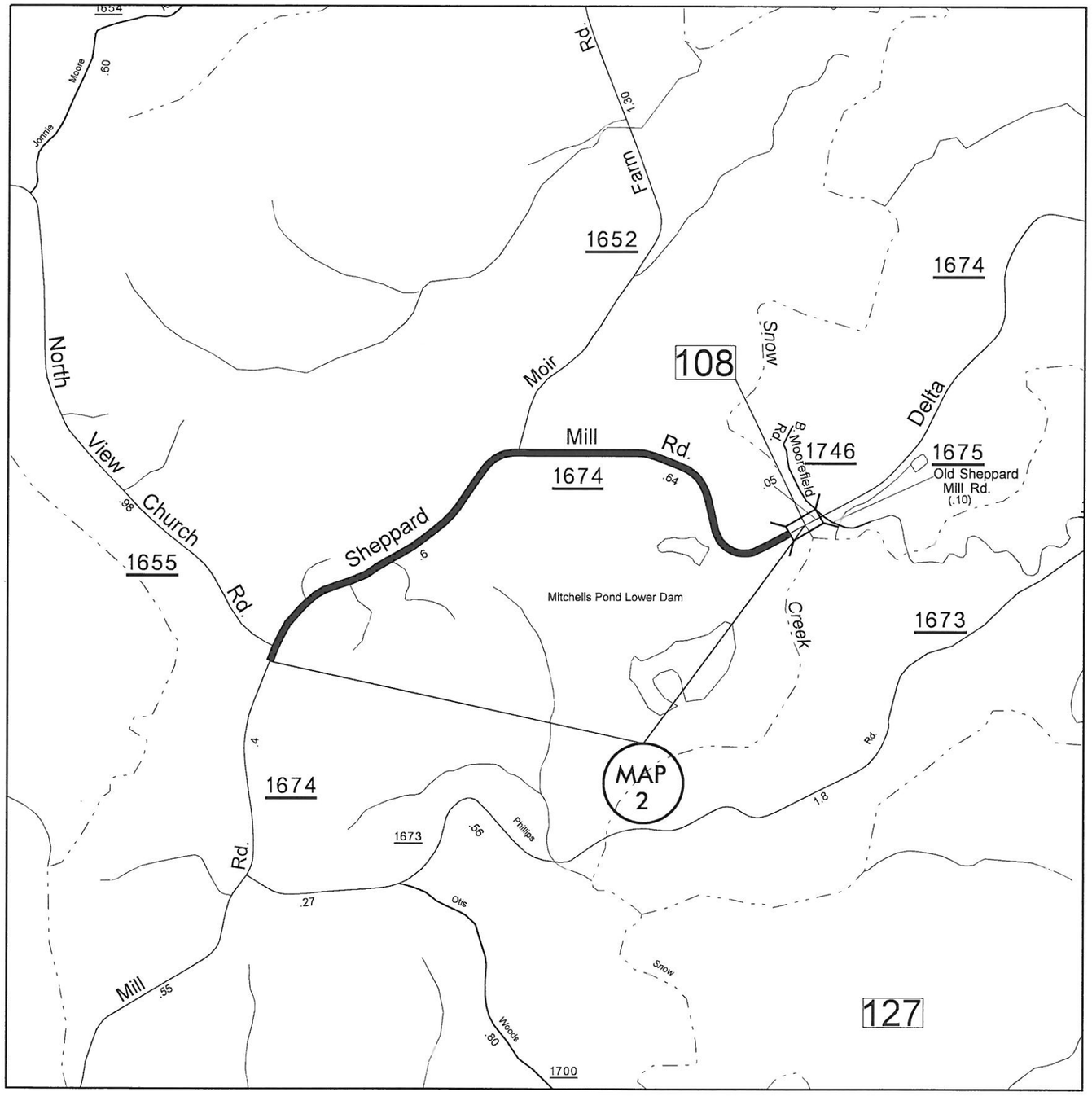
Tie into new pavement at Bridge #58 at Rickers Branch.

All patching to be done by NCDOT Forces.

STOKES COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.26.10851.1 2016CPT.09.27.20851.1	2



MAP 2
Sheppard Mill Rd. SR 1674

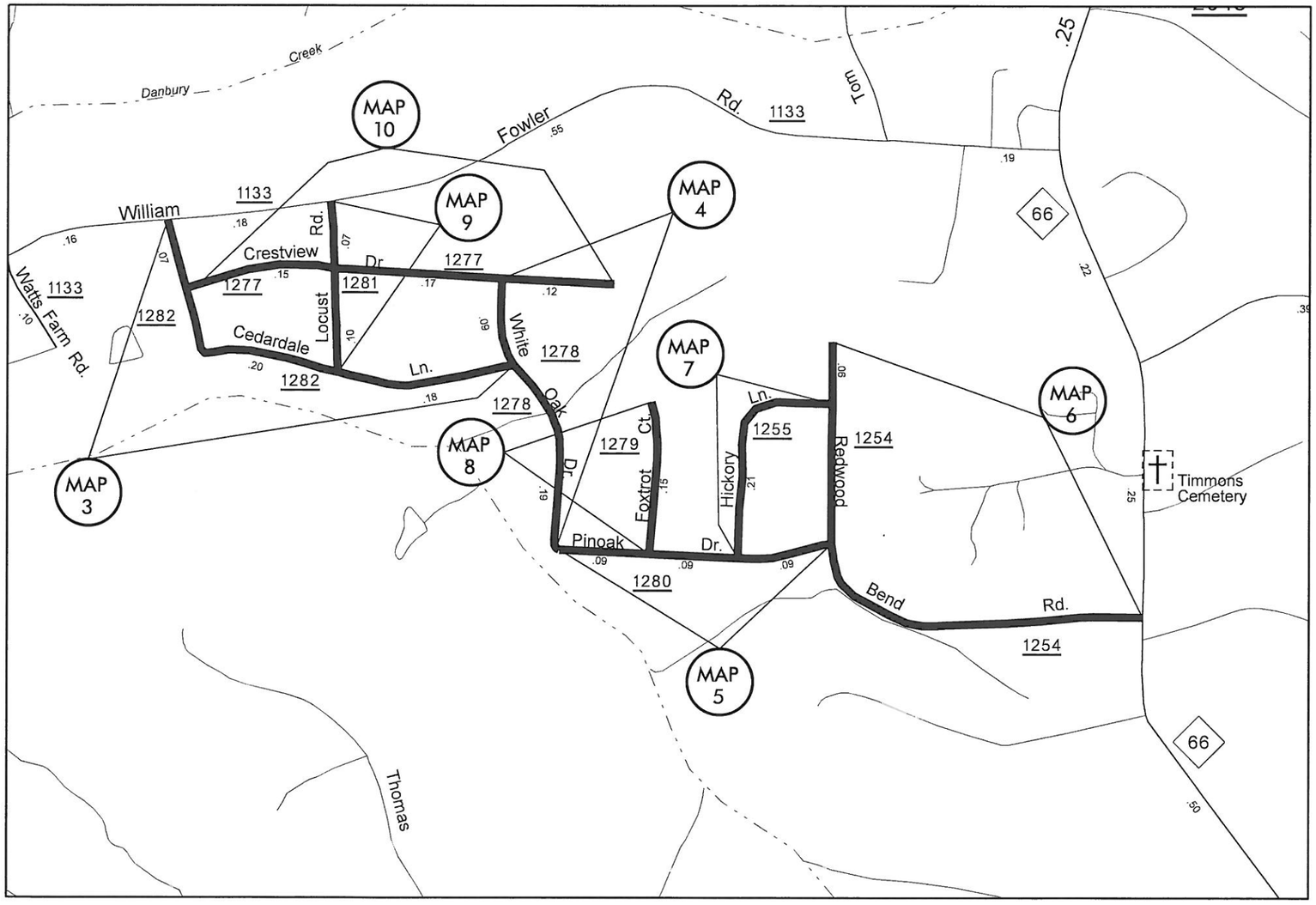
Tie in Mill at end of Map.
Tie into new pavement jt. at Bridge #108

All patching to be done by NCDOT Forces.

STOKES COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.26.10851.1 2016CPT.09.27.20851.1	3



MAP 3
Cedardale Dr. SR 1282
NO MILLING, NO THERMO

MAP 4
White Oak Dr. SR 1278
NO MILLING, NO THERMO

MAP 5
Pinoak Dr. SR 1280
NO MILLING, NO THERMO

MAP 6
Redwood Bend Rd. SR 1254
NO MILLING, NO THERMO

MAP 7
Hickory Lane SR 1255
NO MILLING, NO THERMO
MAP 8
Foxtrot Ct. SR 1279
NO MILLING, NO THERMO

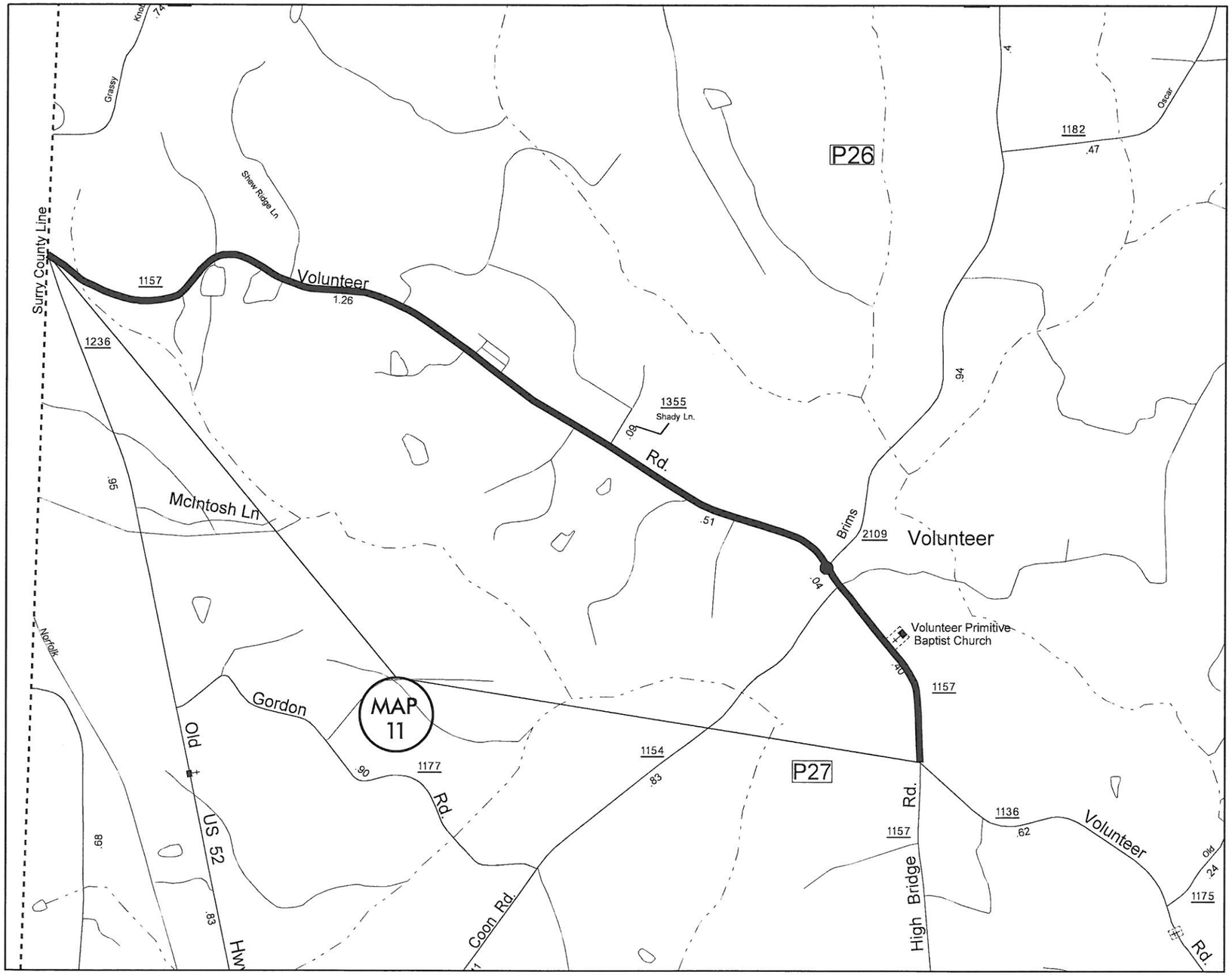
MAP 9
Locust Rd. SR 1281
NO MILLING, NO THERMO

MAP 10
Crestview Dr. SR 1277
NO MILLING, NO THERMO
DO NOT PAVE THROUGH LOCUST Rd. SR 1281
BEGIN AND END PAVING AT EDGE OF
PAVEMENT AT LOCUST Rd. SR 1281

STOKES COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.26.10851.1 2016CPT.09.27.20851.1	4



N

MAP 11
Volunteer Rd. SR 1178

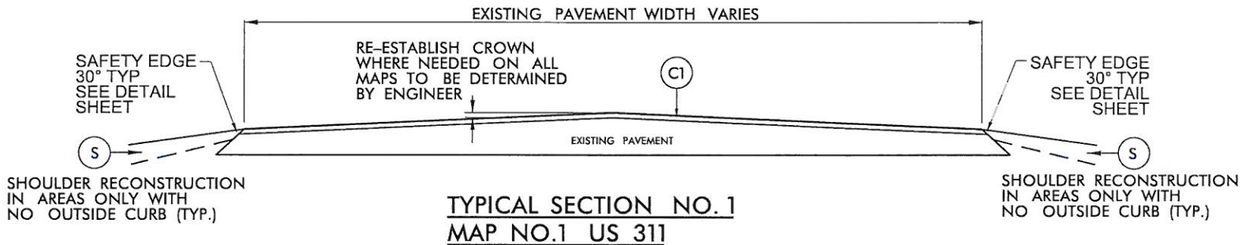
Tie in Mill at ends of Map.
Tie into to new pavement jt. at
High Bridge Rd. SR 1157

All patching to be done by
NCDOT Forces.

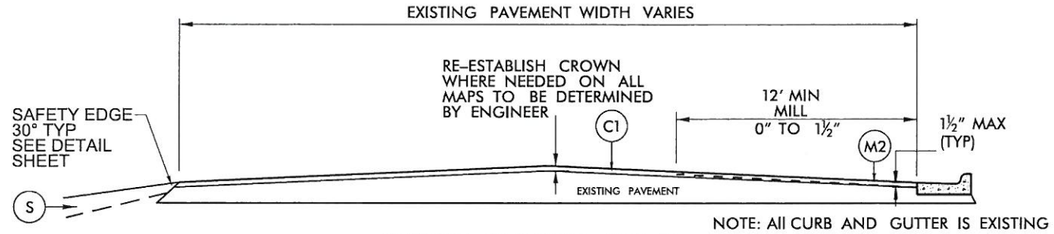
STOKES COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.26.10851.1 2016CPT.09.27.20851.1	5

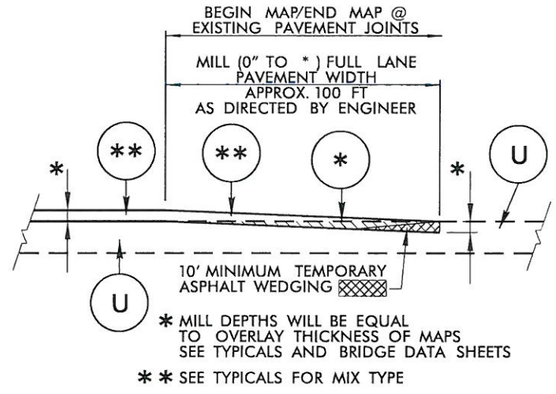


TYPICAL SECTION NO. 1
MAP NO.1 US 311
MAP NO.11 Volunteer Rd. SR 1178

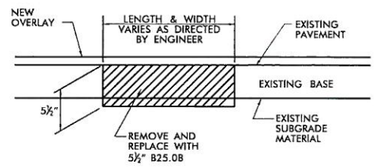


NOTE: All CURB AND GUTTER IS EXISTING

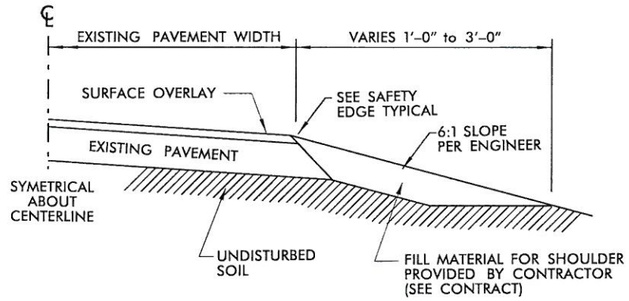
TYPICAL SECTION NO. 2
MAP NO.1 US 311



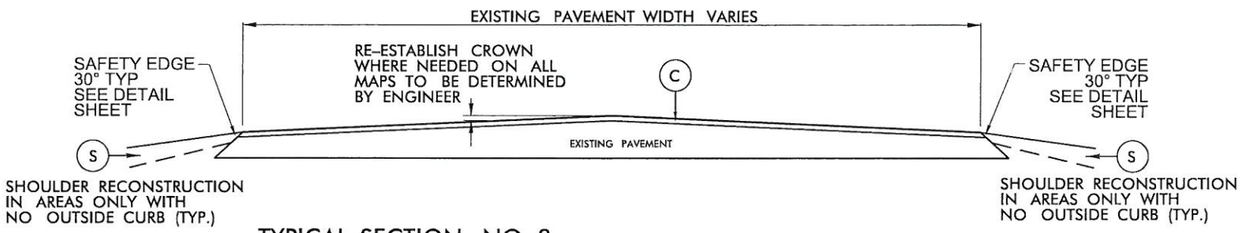
INCIDENTAL TIE-IN MILLING DETAIL



PATCHING DETAIL

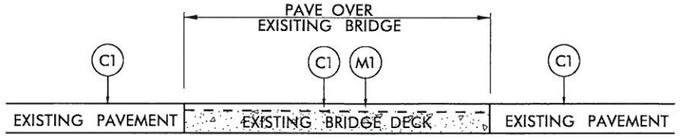


SHOULDER RECONSTRUCTION

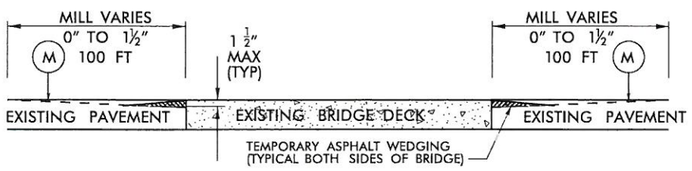


TYPICAL SECTION NO. 3

MAP NO.2 Sheppards Mill Rd. SR 1674
MAP NO.3 Cedardale Lane SR 1288
MAP NO.4 White Oak Dr. SR 1278
MAP NO.5 Pin Oak Dr. SR 1280
MAP NO.6 Redwood Bend Rd. SR 1254
MAP NO.7 Hickory Ln. SR 1255
MAP NO.8 Foxtrot Ct. SR 1279
MAP NO.9 Locust Rd. SR 1281
MAP NO.10 Crestview Dr. SR 1277



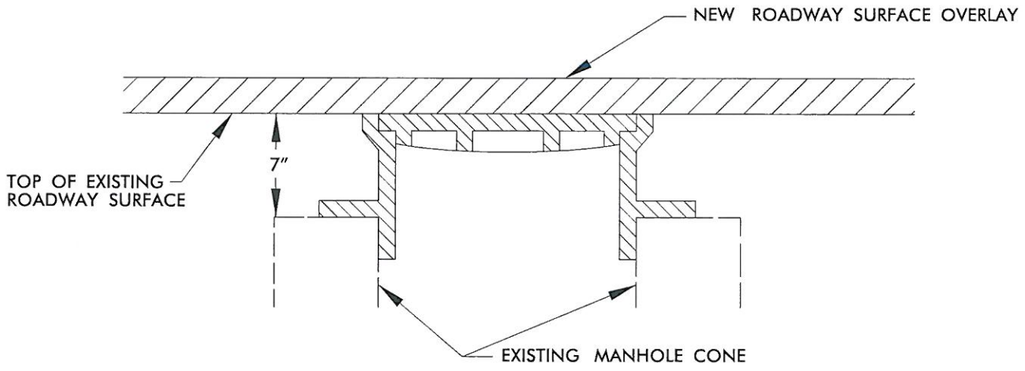
PAVE OVER EXISITING BRIDGE DECK
US 311
(SEE BRIDGE DATA SHEET)



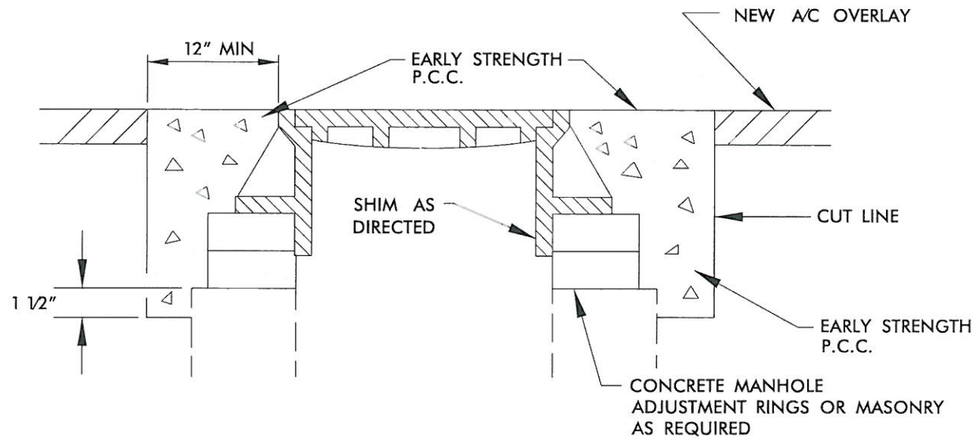
INCIDENTAL MILLING BRIDGE APPROACHES
(SEE BRIDGE DATA SHEET)

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
M	INCIDENTAL MILLING
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 0-1½" DEPTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.26.10851.1 2016CPT.09.27.20851.1	6



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

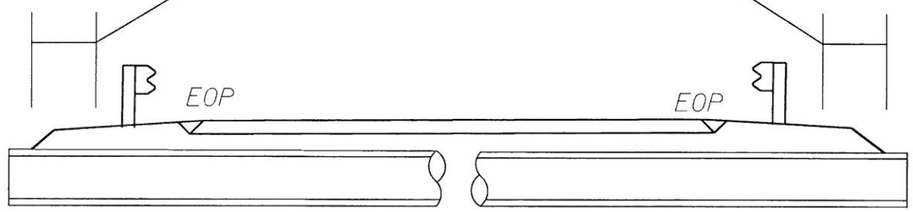
PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.26.10851.1 2016CPT.09.27.20851.1	7

EROSION CONTROL DETAIL

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

BMP Options: Wattle or Silt Fence

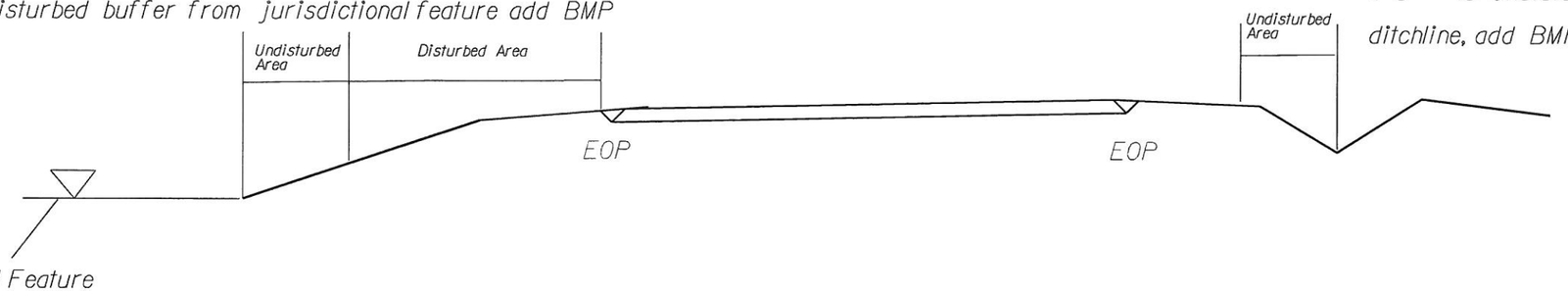
< 5' – 10' Undisturbed buffer add BMP



Pipe/Culvert

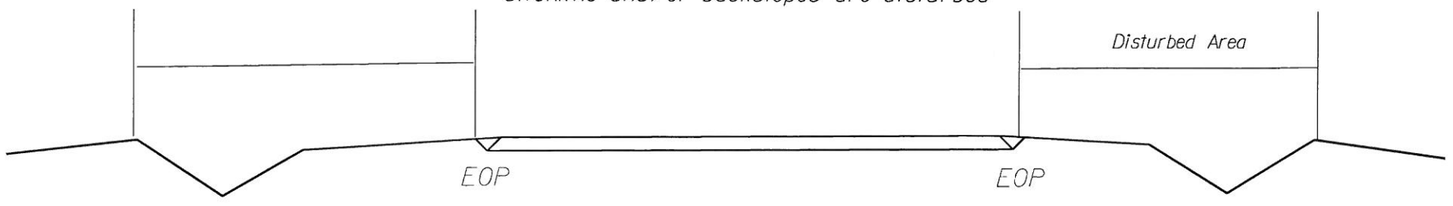
< 5' – 10' Undisturbed buffer from jurisdictional feature add BMP

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

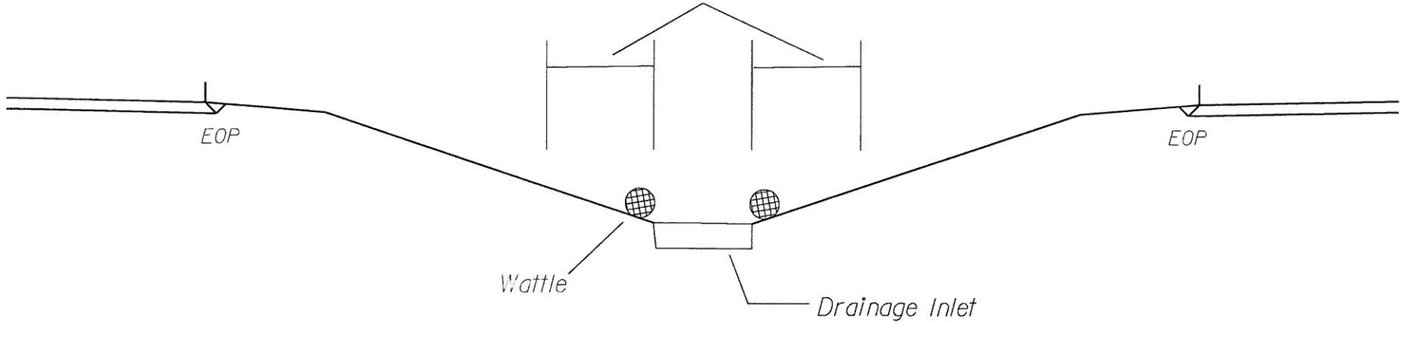


Jurisdictional Feature

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

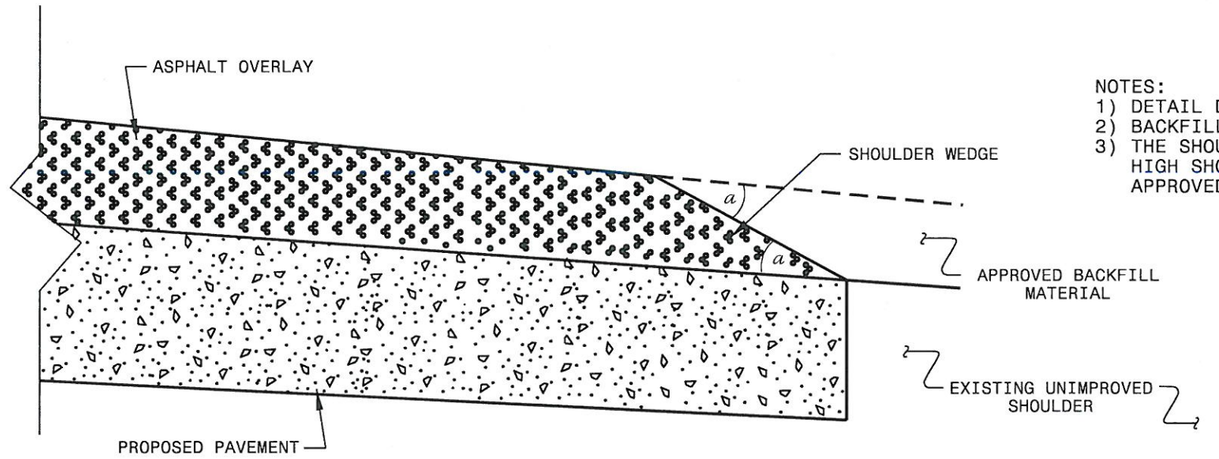


< 5' – 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

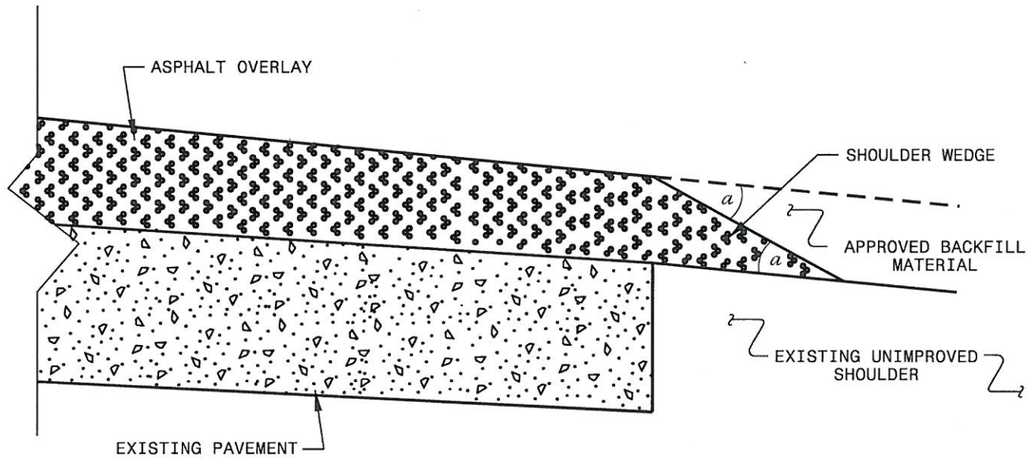
PROJECT REFERENCE NO.	SHEET NO.
2016CPT.09.26.10851.1 2016CPT.09.27.20851.1	8



NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC 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, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.

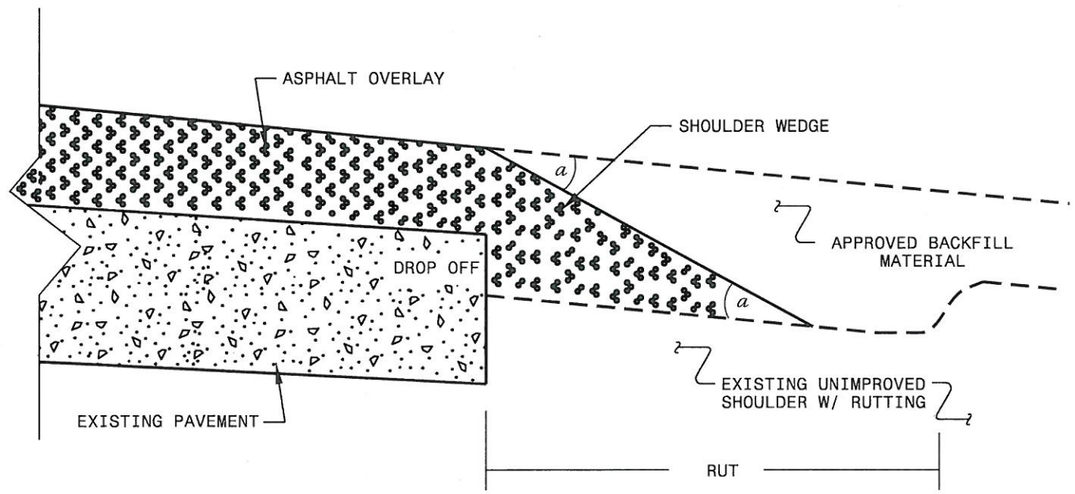
SHOULDER WEDGE DETAIL

(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 919-707-6950 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.:	s:\usr\details\stand\shoulderwedgedetail.dgn		

08-APR-2016 11:05
C:\ODriveA\2017 Resurfacing\Stokes\2017_Resurfacing_STOKES_REVISED Shoulder Wedge Detail.dgn
bbarnhill

Stokes County Resurfacing Bridges

PROJECT NO.	SHEET NO.
2016CPT.09.26.10851.1, 2016CPT.09.27.20851.1	9

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 311	US311	31	DAN RIVER OVERFLOW	8 11/16 RC SLAB	30.2	NA	NA	210	NA	MILL APPROACHES DO NOT PAVE OVER
1	US 311	US311	47	DAN RIVER	8.5 RC SLAB	30.2	NA	NA	282	NA	MILL APPROACHES DO NOT PAVE OVER
1	US 311	US311	58	RICKERS BRANCH	RC SLAB, 8 AWS	20.1	NA	NA	36	SV 41 TTST LGW	MILL APPROACHES MILL 1 1/2" DEPTH
2	SR 1674	Delta Church Rd./ Sheppard Mill Rd.	108	SNOW CREEK	7 RC SLAB	24	NA	NA	135	SV 38 TTST 41	MILL APPROACHES DO NOT PAVE OVER

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.09.26.10851.1,	10	
2016CPT.09.27.20851.1		

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	MILLING ASPHALT PAVEMENT, 1 1/2"DEPTH SY	MILLING ASPHALT PAVEMENT, 0"TO 1 1/2" DEPTH SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	WATTLE LF
2016CPT.09.26.10851.1	Stokes	1	US 311	BEGIN AT PAVEMENT JT. AT NC 89 TO ROCKINGHAM COUNTY LINE	1,2	2	2WU	NO	NO	6.943	24	833	378	13.89	80	447	2,253	9,208		552			2,777	278
TOTAL FOR MAP NO. 1										**6.943**		**833**	**378**	**13.89**	**80**	**447**	**2,253**	**9,208**		**552**			**2,777**	**278**
TOTAL FOR PROJ NO. 2016CPT.09.26.10851.1										**6.943**		**833**	**378**	**13.89**	**80**	**447**	**2,253**	**9,208**		**552**			**2,777**	**278**
2016CPT.09.27.20851.1	Stokes	2	SR 1674 SHEPPARD MILL RD.	FROM PAVEMENT JOINT AT NORTHVIEW CHURCH RD. SR 1655 TO PAVEMENT JT. BEFORE BRIDGE #108	3	2	MD	NO	NO	1.23	22	148	96	2.46			489		1,449	97			492	49
TOTAL FOR MAP NO. 2										**1.23**		**148**	**96**	**2.46**			**489**		**1,449**	**97**			**492**	**49**
2016CPT.09.27.20851.1	Stokes	3	SR 1282 CEDAR DALE LN.	FROM WILLIAM FOWLER RD. SR 1133 TO WHITE OAK DR. SR 1278	3	2	2WU	NO	NO	0.444	21		9						534	36	30			
TOTAL FOR MAP NO. 3										**0.444**			**9**						**534**	**36**	**30**			
2016CPT.09.27.20851.1	Stokes	4	SR 1278 WHITE OAK DR.	FROM CEDARDALE DR. SR 1282 TO PIN OAK DR. SR 1280	3	2	2WU	NO	NO	0.284	21		6						319	21	30	2		
TOTAL FOR MAP NO. 4										**0.284**			**6**						**319**	**21**	**30**	**2**		
2016CPT.09.27.20851.1	Stokes	5	SR 1280 PIN OAK DR.	FROM WHITE OAK DR. SR 1278 TO REDWOOD BEND RD. SR 1254	3	2	2WU	NO	NO	0.274	20		18						294	20	30			
TOTAL FOR MAP NO. 5										**0.274**			**18**						**294**	**20**	**30**			
2016CPT.09.27.20851.1	Stokes	6	SR 1254 REDWOOD BEND RD.	FROM NC 66 TO DEAD END	3	2	2WU	NO	NO	0.518	20		48						555	37	30			
TOTAL FOR MAP NO. 6										**0.518**			**48**						**555**	**37**	**30**			
2016CPT.09.27.20851.1	Stokes	7	SR 1255 HICKORY TREE LN.	FROM REDWOOD BEND RD. SR 1254 TO PINOAK DR. RS 1280	3	2	2WU	NO	NO	0.224	20		21						240	16	30	2		
TOTAL FOR MAP NO. 7										**0.224**			**21**						**240**	**16**	**30**	**2**		
2016CPT.09.27.20851.1	Stokes	8	SR 1279 FOXTROT CT.	FROM PINOAK DR. SR 1280 TO END	3	2	2WU	NO	NO	0.153	20		63						196	13	30			
TOTAL FOR MAP NO. 8										**0.153**			**63**						**196**	**13**	**30**			
2016CPT.09.27.20851.1	Stokes	9	SR 1281 LOCUST RD.	FROM WILLIAM FOWLER RD. SR 1133 TO CEDARDALE DR. SR 1282	3	2	2WU	NO	NO	0.167	21		3						188	13	30			
TOTAL FOR MAP NO. 9										**0.167**			**3**						**188**	**13**	**30**			
2016CPT.09.27.20851.1	Stokes	10	SR 1277 CRESTVIEW DR.	CEDARDALE LN. SR 1282 TO END	3	2	2WU	NO	NO	0.425	20		12						455	31	30			
TOTAL FOR MAP NO. 10										**0.425**			**12**						**455**	**31**	**30**			
2016CPT.09.27.20851.1	Stokes	11	SR 1178 VOLUNTEER RD.	FROM HIGH BRIDGE RD. SR 1157 TO OLD US 52 SR 1236	3	2	2WU	NO	NO	2.226	20	267	165	4.45			444	2,428		146			890	89
TOTAL FOR MAP NO. 11										**2.226**		**267**	**165**	**4.45**			**444**	**2,428**		**146**			**890**	**89**
TOTAL FOR PROJ NO. 2016CPT.09.27.20851.1										**5.945**		**415**	**441**	**6.91**			**933**	**2,428**	**4,230**	**430**	**240**	**4**	**1,382**	**138**
GRAND TOTAL										**12.888**		**1,248**	**819**	**20.80**	**80**	**447**	**3,186**	**11,636**	**4,230**	**982**	**240**	**4**	**4,159**	**416**

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

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.09.26.10851.1, 2016CPT.09.27.20851.1	11	

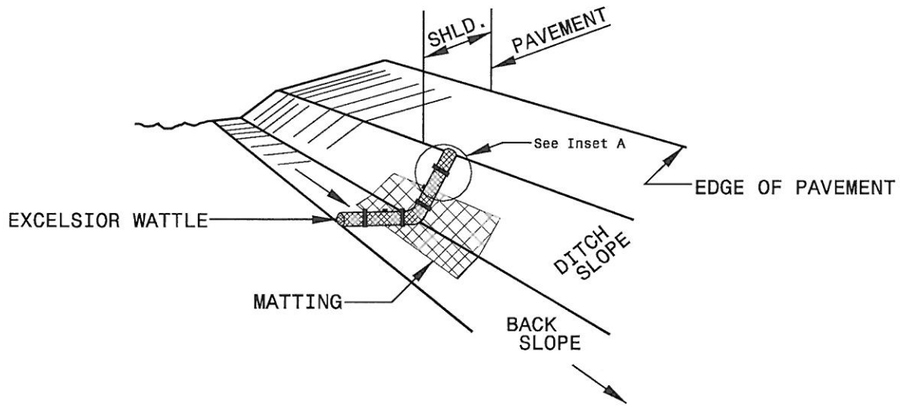
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	4457000000-N TEMPORARY TRAFFIC CONTROL LS	4685000000-E 4" X 90 M WHITE THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4810000000-E 4" YELLOW PAINT LF	4810000000-E 4" WHITE PAINT LF	4905000000-N SNOW PLOWABLE MARKERS EA
2016CPT.09.26.10851.1	Stokes	1	US 311	BEGIN AT PAVEMENT JT. AT NC 89 TO ROCKINGHAM COUNTY LINE	1,2	2	2WU	6.943	24	1,972	1	74,707	176	73,318	984	984	458
TOTAL FOR MAP NO. 1								**6.943**		**1,972**	**1**	**74,707**	**176**	**73,318**	**984**	**984**	**458**
TOTAL FOR PROJ NO. 2016CPT.09.26.10851.1								**6.943**		**1,972**	**1**	**74,707**	**176**	**73,318**	**984**	**984**	**458**
													73,494		**1,968**		
2016CPT.09.27.20851.1	Stokes	2	SR 1674 SHEPPARD MILL RD.	FROM PAVEMENT JOINT AT NORTHVIEW CHURCH RD. SR 1655 TO PAVEMENT JT. BEFORE BRIDGE #108	3	2	MD	1.23	22			13,235	24	12,989			
TOTAL FOR MAP NO. 2								**1.23**				**13,235**	**24**	**12,989**			
2016CPT.09.27.20851.1	Stokes	3	SR 1282 CEDAR DALE LN.	FROM WILLIAM FOWLER RD. SR 1133 TO WHITE OAK DR. SR 1278	3	2	2WU	0.444	21								
TOTAL FOR MAP NO. 3								**0.444**									
2016CPT.09.27.20851.1	Stokes	4	SR 1278 WHITE OAK DR.	FROM CEDARDALE DR. SR 1282 TO PIN OAK DR. SR 1280	3	2	2WU	0.284	21								
TOTAL FOR MAP NO. 4								**0.284**									
2016CPT.09.27.20851.1	Stokes	5	SR 1280 PIN OAK DR.	FROM WHITE OAK DR. SR 1278 TO REDWOOD BEND RD. SR 1254	3	2	2WU	0.274	20								
TOTAL FOR MAP NO. 5								**0.274**									
2016CPT.09.27.20851.1	Stokes	6	SR 1254 REDWOOD BEND RD.	FROM NC 66 TO DEAD END	3	2	2WU	0.518	20								
TOTAL FOR MAP NO. 6								**0.518**									
2016CPT.09.27.20851.1	Stokes	7	SR 1255 HICKORY TREE LN.	FROM REDWOOD BEND RD. SR 1254 TO PINOAK DR. RS 1280	3	2	2WU	0.224	20								
TOTAL FOR MAP NO. 7								**0.224**									
2016CPT.09.27.20851.1	Stokes	8	SR 1279 FOXTROT CT.	FROM PINOAK DR. SR 1280 TO END	3	2	2WU	0.153	20								
TOTAL FOR MAP NO. 8								**0.153**									
2016CPT.09.27.20851.1	Stokes	9	SR 1281 LOCUST RD.	FROM WILLIAM FOWLER RD. SR 1133 TO CEDARDALE DR. SR 1282	3	2	2WU	0.167	21								
TOTAL FOR MAP NO. 9								**0.167**									
2016CPT.09.27.20851.1	Stokes	10	SR 1277 CRESTVIEW DR.	CEDARDALE LN. SR 1282 TO END	3	2	2WU	0.425	20								
TOTAL FOR MAP NO. 10								**0.425**									
2016CPT.09.27.20851.1	Stokes	11	SR 1178 VOLUNTEER RD.	FROM HIGH BRIDGE RD. SR 1157 TO OLD US 52 SR 1236	3	2	2WU	2.226	20			23,952	64	23,507			
TOTAL FOR MAP NO. 11								**2.226**				**23,952**	**64**	**23,507**			
TOTAL FOR PROJ NO. 2016CPT.09.27.20851.1								**5.945**				**37,187**	**88**	**36,496**			
													36,584				
GRAND TOTAL								**12.888**		**1,972**	**1**	**111,894**	**264**	**109,814**	**984**	**984**	**458**
													110,078		**1,968**		

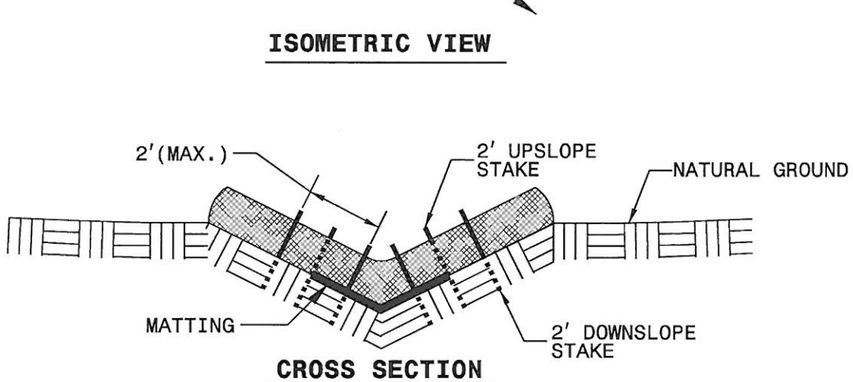
NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

PROJECT REFERENCE NO.	SHEET NO.
X-XXXX	EC-2G
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

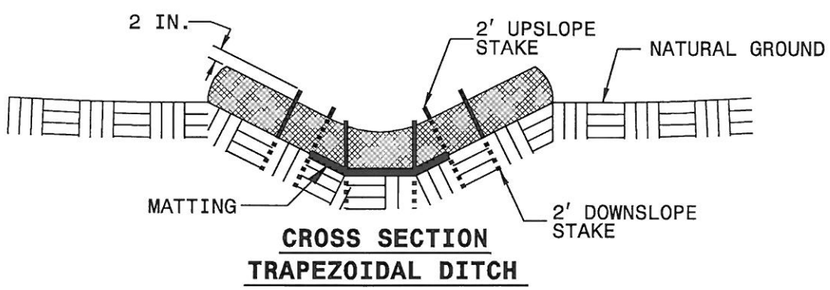
WATTLE DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

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.

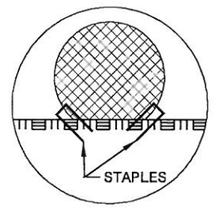
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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

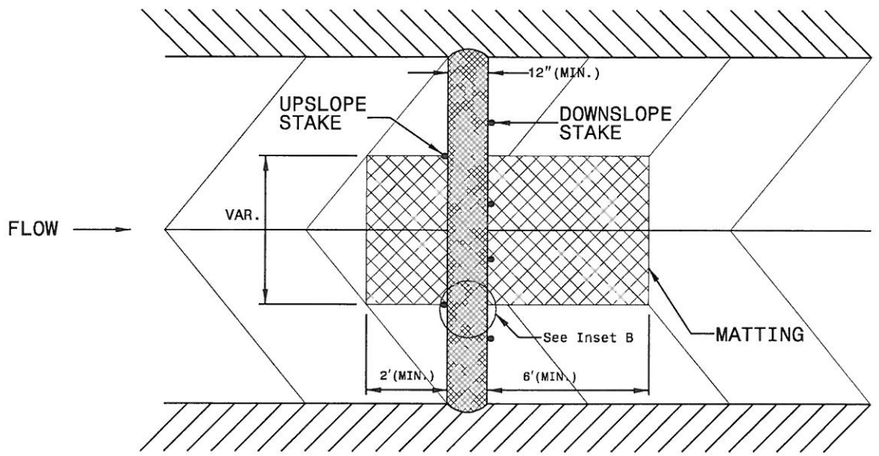
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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

INSET A



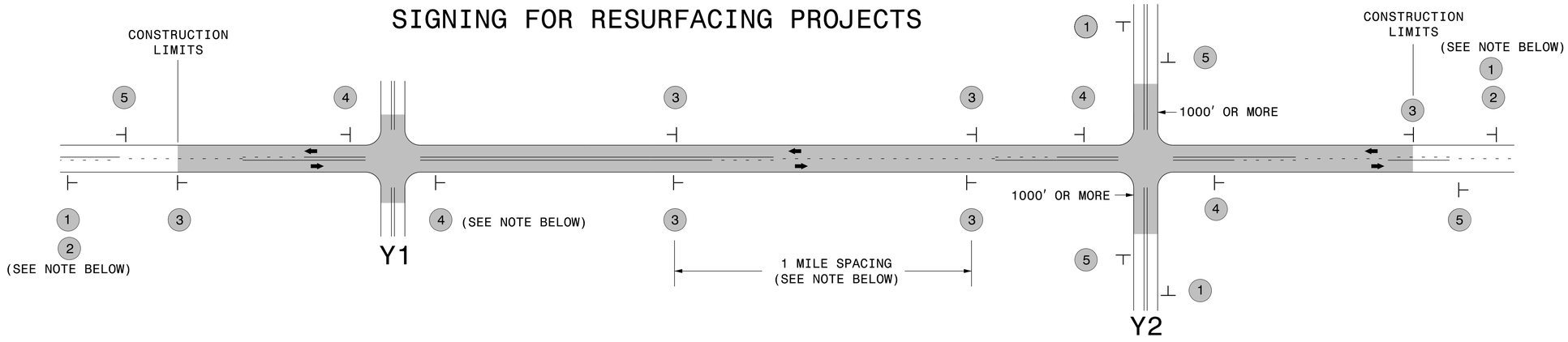
INSET B



TOP VIEW

PROJ. REFERENCE NO.	SHEET NO.

SIGNING FOR RESURFACING PROJECTS



LEGEND

⊢ STATIONARY SIGN

⬅ DIRECTION OF TRAFFIC FLOW

SIGNING NOTES AND PLACEMENT PER DIRECTION

MAINLINE (-L-) SIGNING

1 — ROAD WORK AHEAD, W20-1, 48″ X 48″

PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.
ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.

2 — NEXT XX MILES, W7-3aP, 24″ X 18″

#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)

3 — LOW/SOFT SHOULDER, SP 13107, 48″ X 48″

PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.

4 — ROAD UNDER CONST, SP 13106, 48″ X 48″

THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500′ +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500′ OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.

5 — END ROAD WORK, G20-2 A, 48″ X 24″

PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS.

-Y- LINE SIGNING

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

1) LESS THAN 1000′ OF RESURFACING ALONG -Y- LINE
2) SUBDIVISION ROADS
3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

ROAD WORK AHEAD, W20-1, 48″ X 48″ — PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A, 48″ X 48″ — PLACED 250′ IN ADVANCE OF FLAGGER.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2 LANE ROADWAYS

3/19/2015
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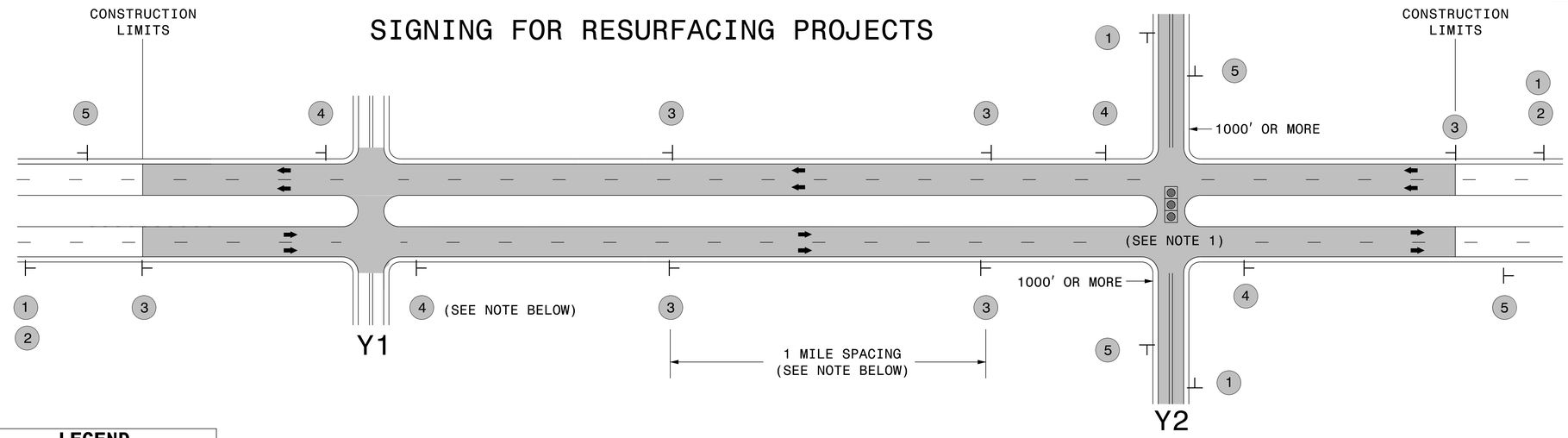
PROJ. REFERENCE NO.	SHEET NO.

SIGNING FOR RESURFACING PROJECTS



LEGEND

⊢ STATIONARY SIGN

⬅ DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1	ROAD WORK AHEAD W20-1 48″ X 48″	PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.
2	NEXT XX MILES W7-3aP 24″ X 18″	#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)
3	LOW/SOFT SHOULDER SP 13107 48″ X 48″	PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.
4	ROAD UNDER CONST SP 13106 48″ X 48″	THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500′ +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500′ OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.
5	END ROAD WORK G20-2 A 48″ X 24″	PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS.

-Y- LINE SIGNING

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

1) LESS THAN 1000′ OF RESURFACING ALONG -Y- LINE
2) SUBDIVISION ROADS
3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

ROAD WORK AHEAD W20-1 48″ X 48″ — PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A 48″ X 48″ — PLACED 250′ IN ADVANCE OF FLAGGER.

NOTES:

1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500′ IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN MULTI-LANE ROADWAYS W/ SHOULDER SECTIONS

3/23/2015
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