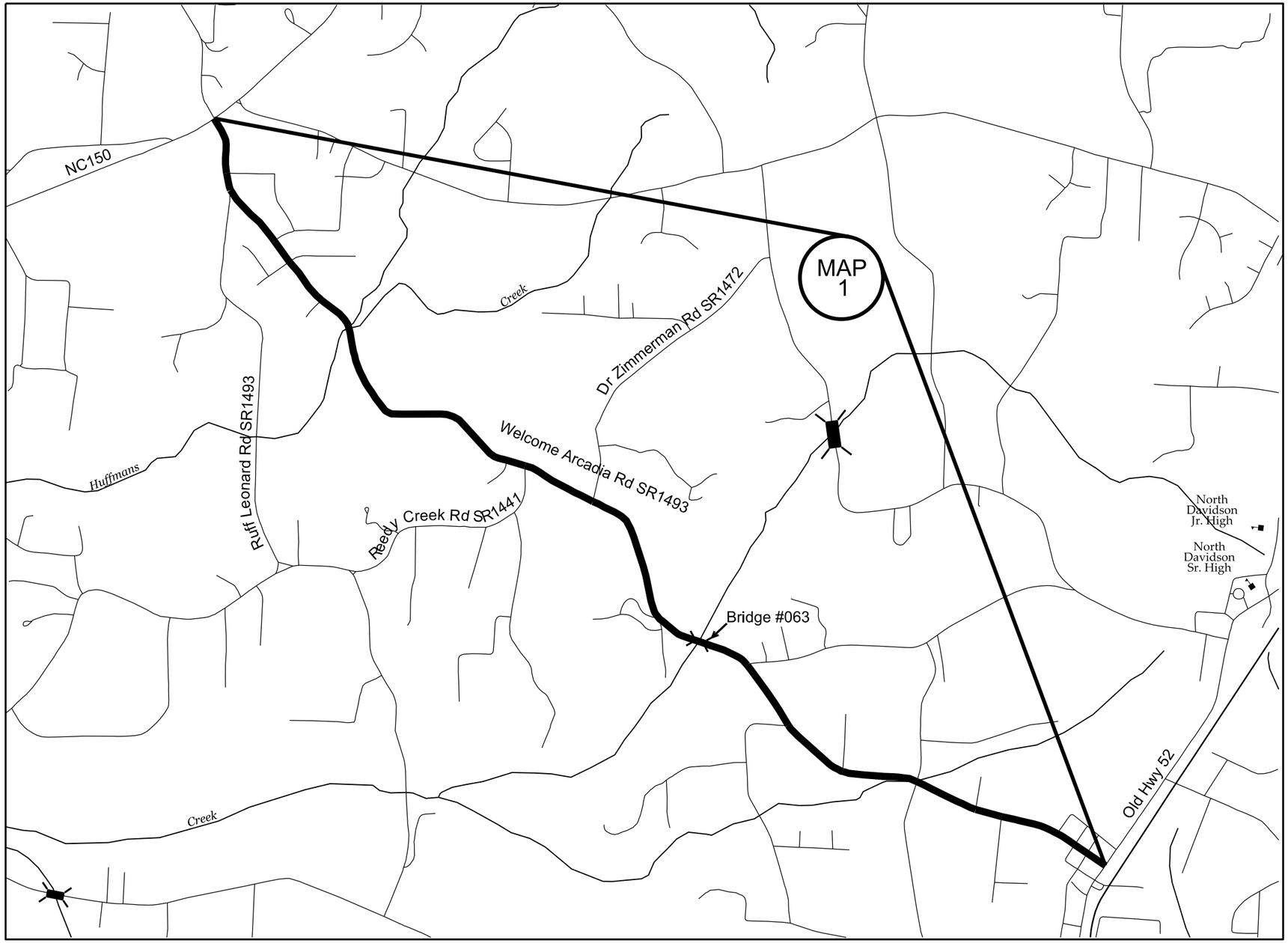
PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	1

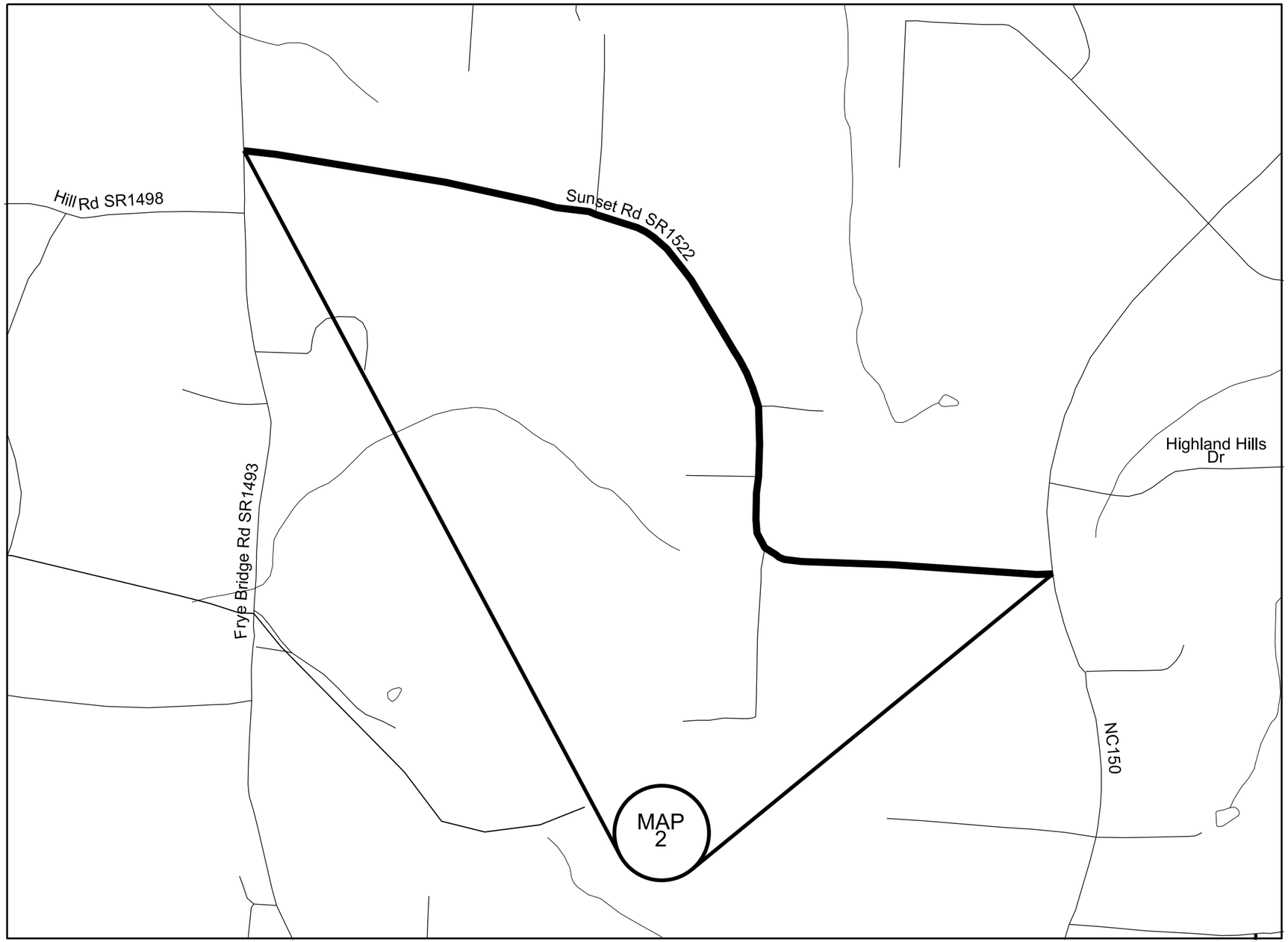


Map 1 Welcome Arcadia Rd SR1493
From NC150 to Old US52
Mill 1 1/2" entire width, including SR Y-lines
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	2

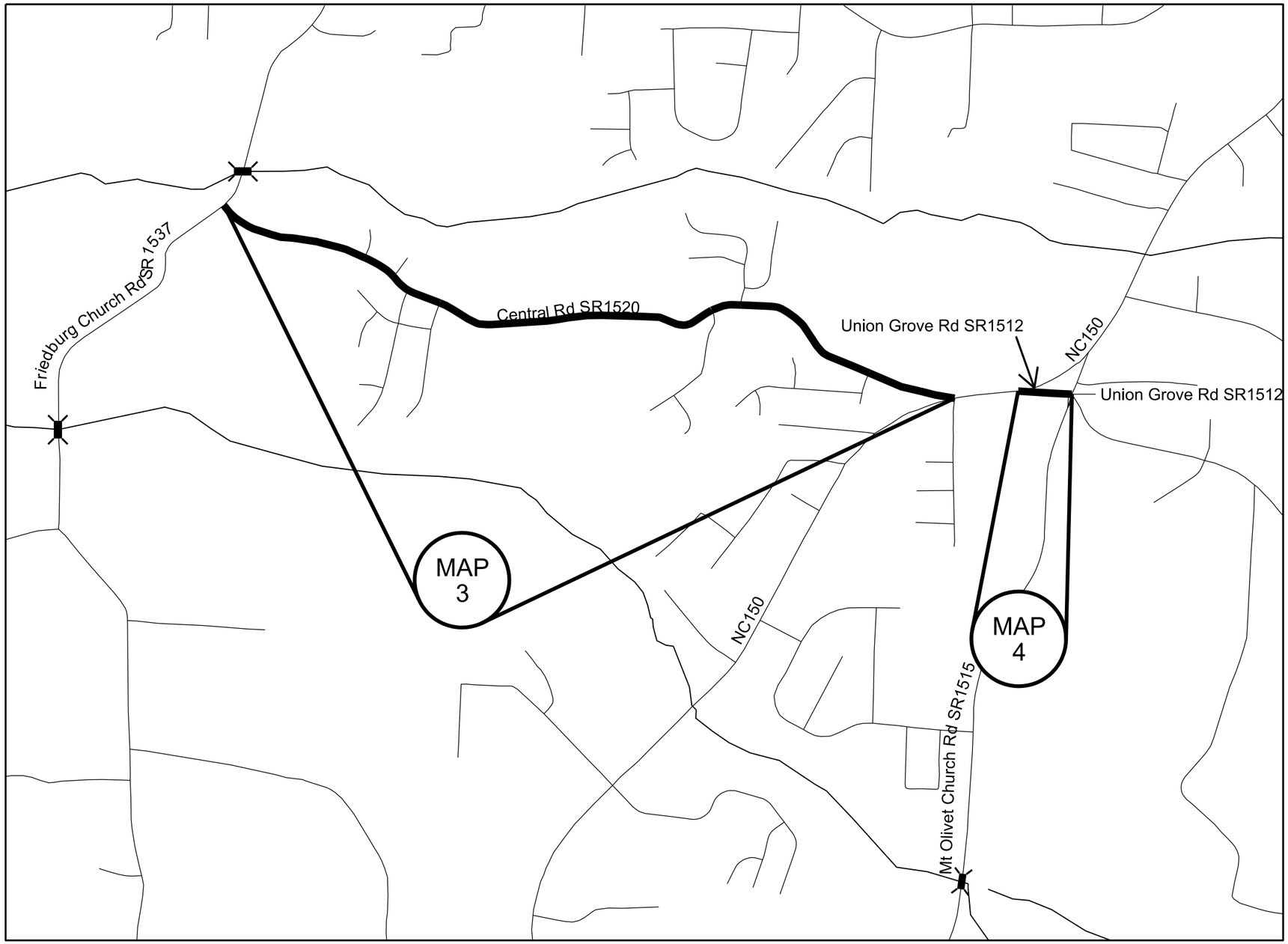


Map 2 Sunset Rd SR1522 From NC150 to Frye Bridge Rd SR1493
Mill 0-1 1/2" incidental mill beginning, end and at all SR intersections
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	3



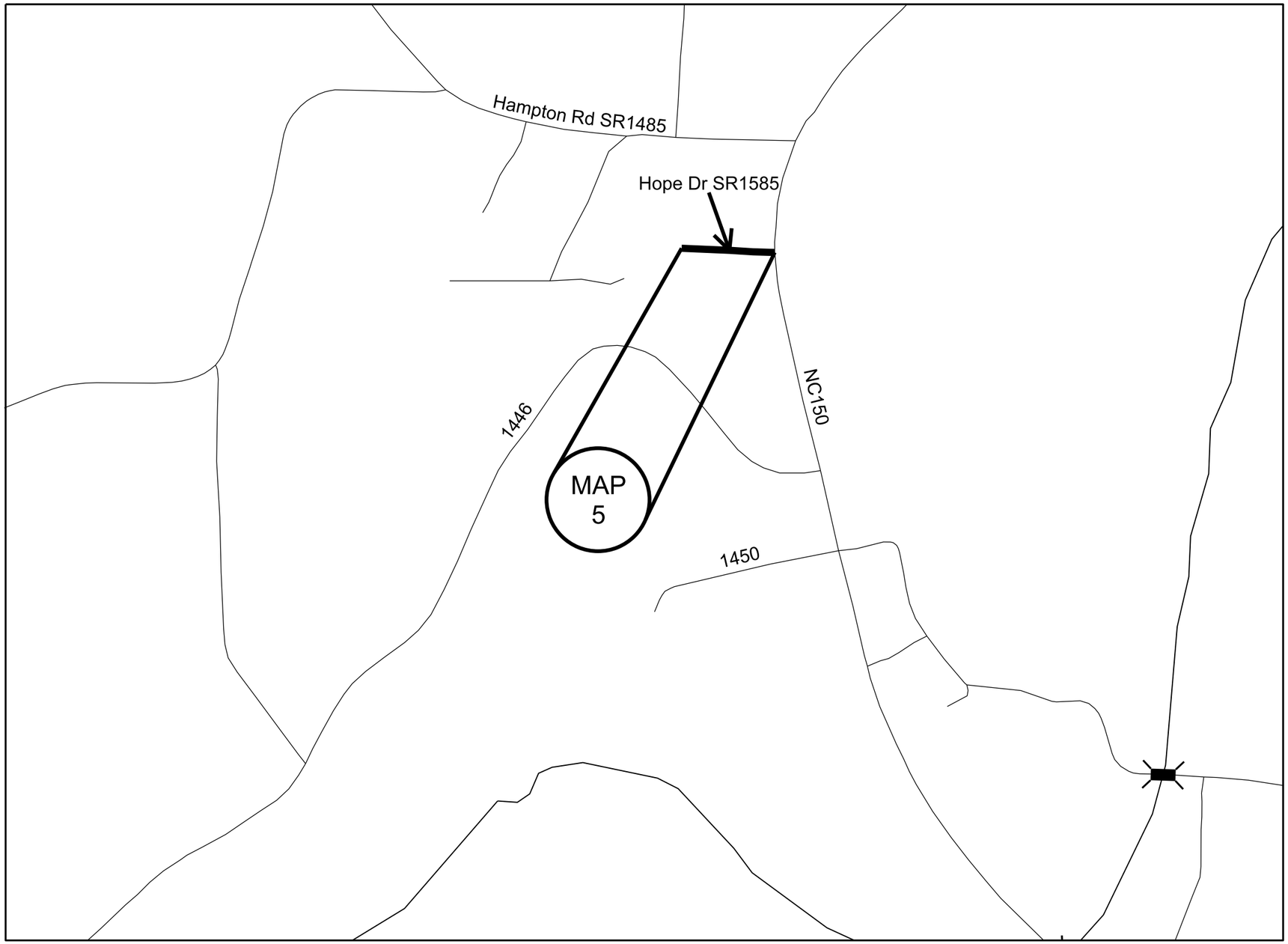
Map 3 Central Rd SR1520
From NC150 to Friedburg Church Rd SR 1537
Mill 0-1 1/2" incidental mill begining, end and at all SR intersections
Pave 1 1/2" S9.5B

Map 4 Union Grove Rd SR 1512 From NC150 to Mt Olivet Church Rd SR 1515
Mill 1 1/2" depth entire width
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	4

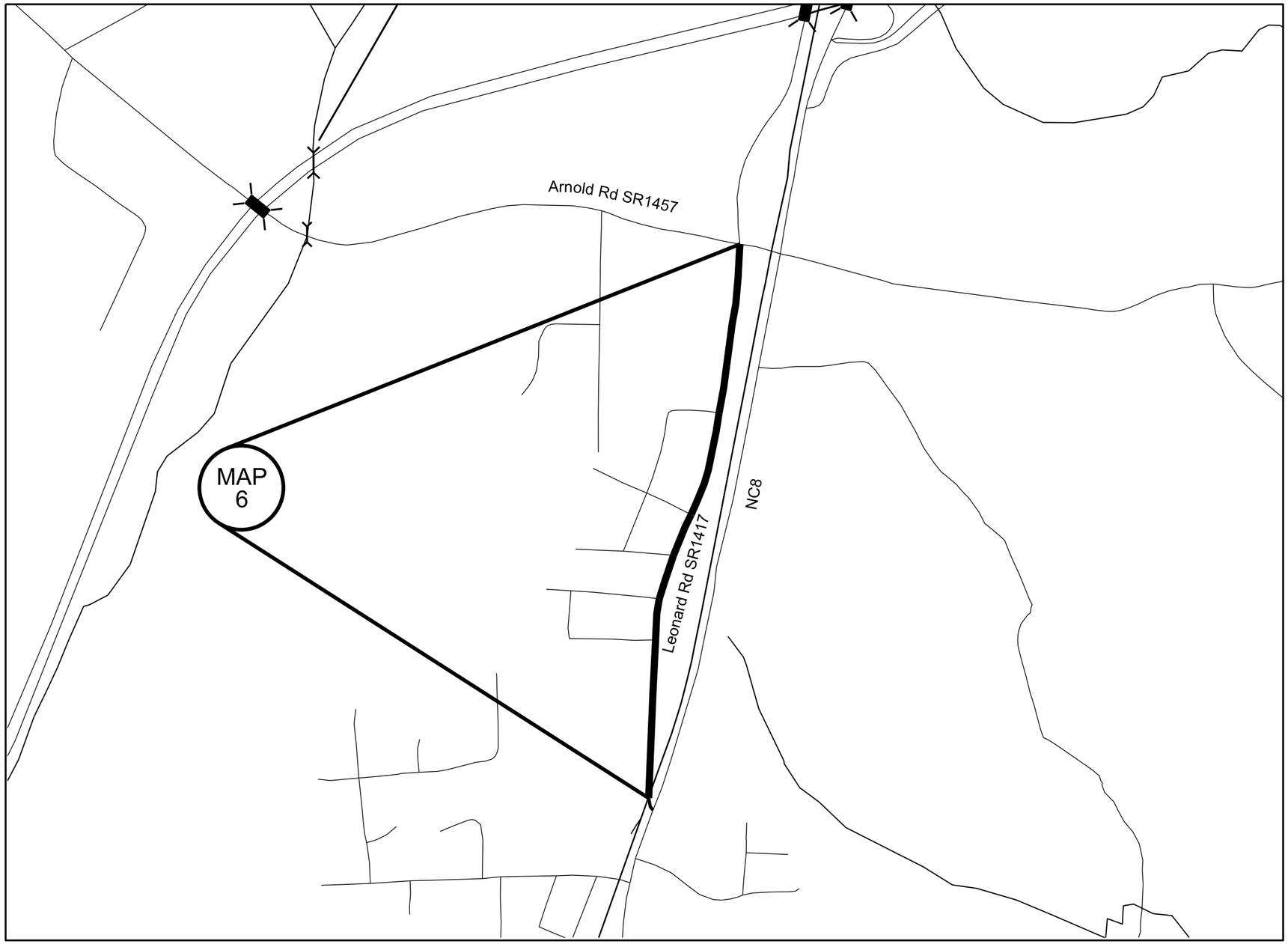


Map 5 Hope Rd SR 1585
From NC150 to end cul de sac
Pave 2" I19.0C
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	5

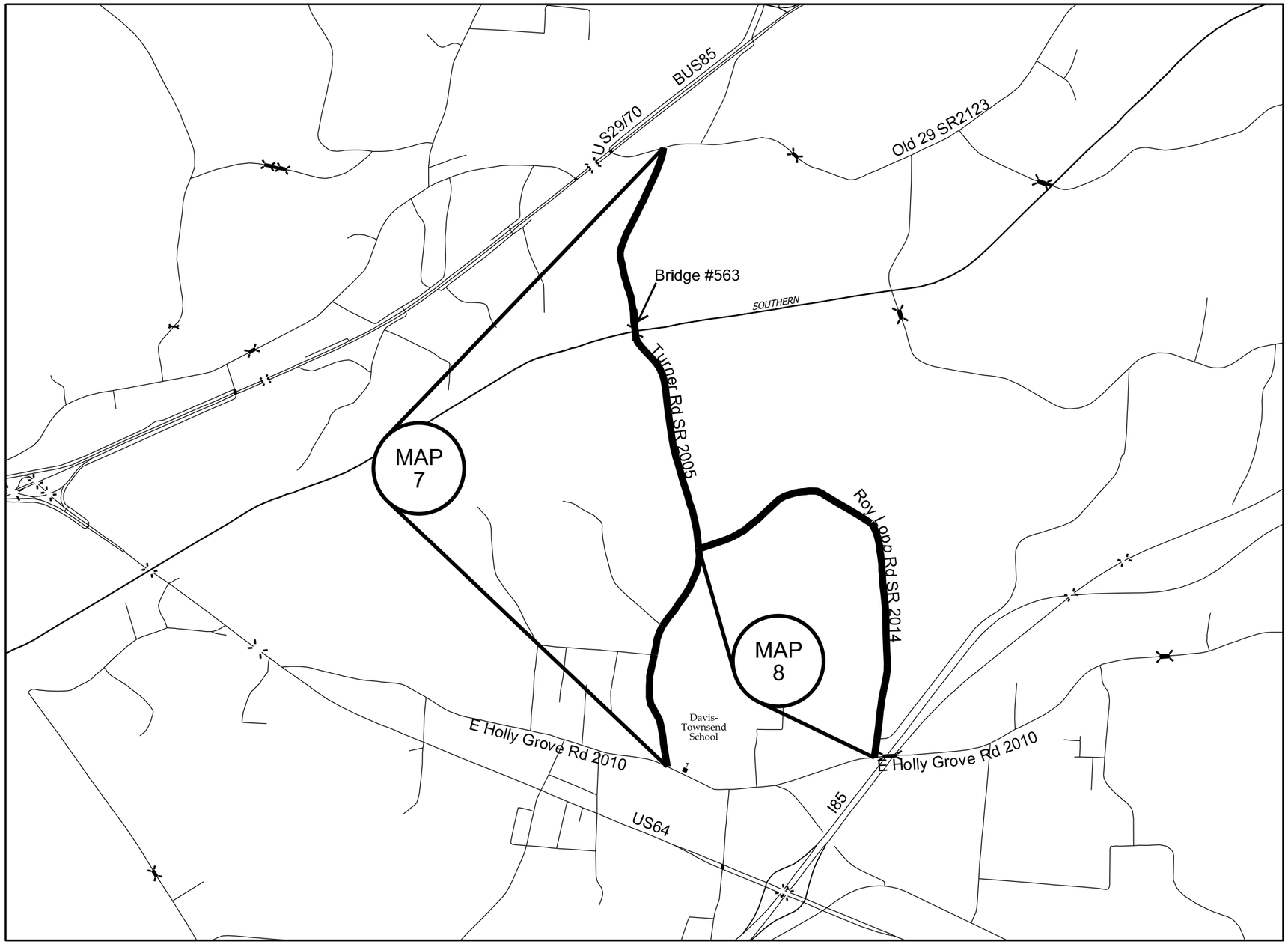


Map 6 Leonard Rd SR 1417
From Arnold Rd SR 1457 to Pvt Joint at RxR crossing near NC8
Mill 0-1 1/2" incidental mill at beginning, end and at all SR intersections
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	6



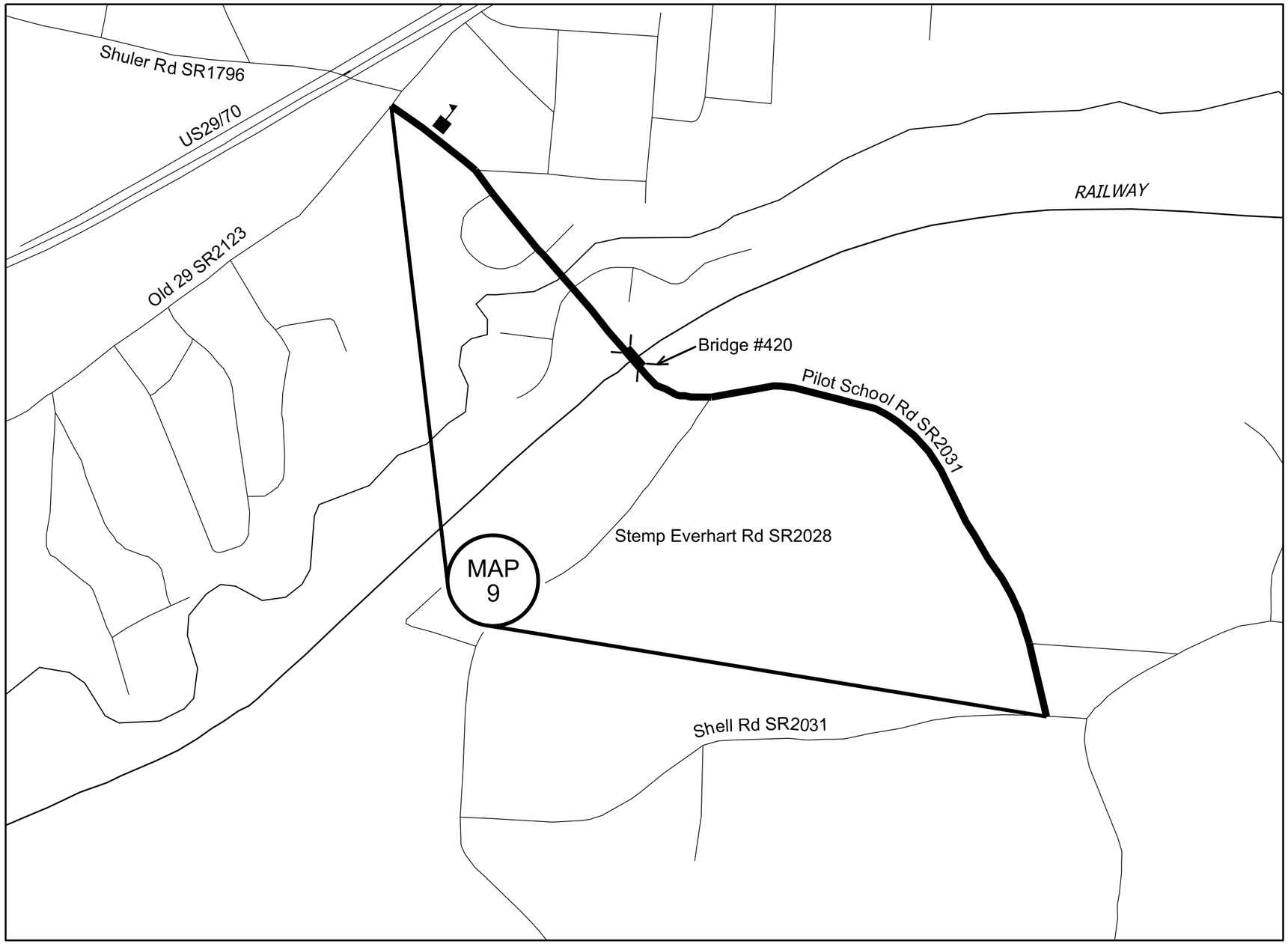
Map 7 Turner Rd SR2005 From Old 29 SR2123 to E Holly Grove Rd SR2010
Mill 0-1 1/2" incidental beginning, end, all SR intersections and at Bridge #563
Mill 0-1 1/2" 7' width along curb and gutter
Pave 11/2" S9.5B

Map 8 Roy Lopp Rd SR2014 From Turner Rd SR2005 to E Holly Grove Rd SR2010
Mill 0-1 1/2" incidental beginning, end and at all SR intersections
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	7

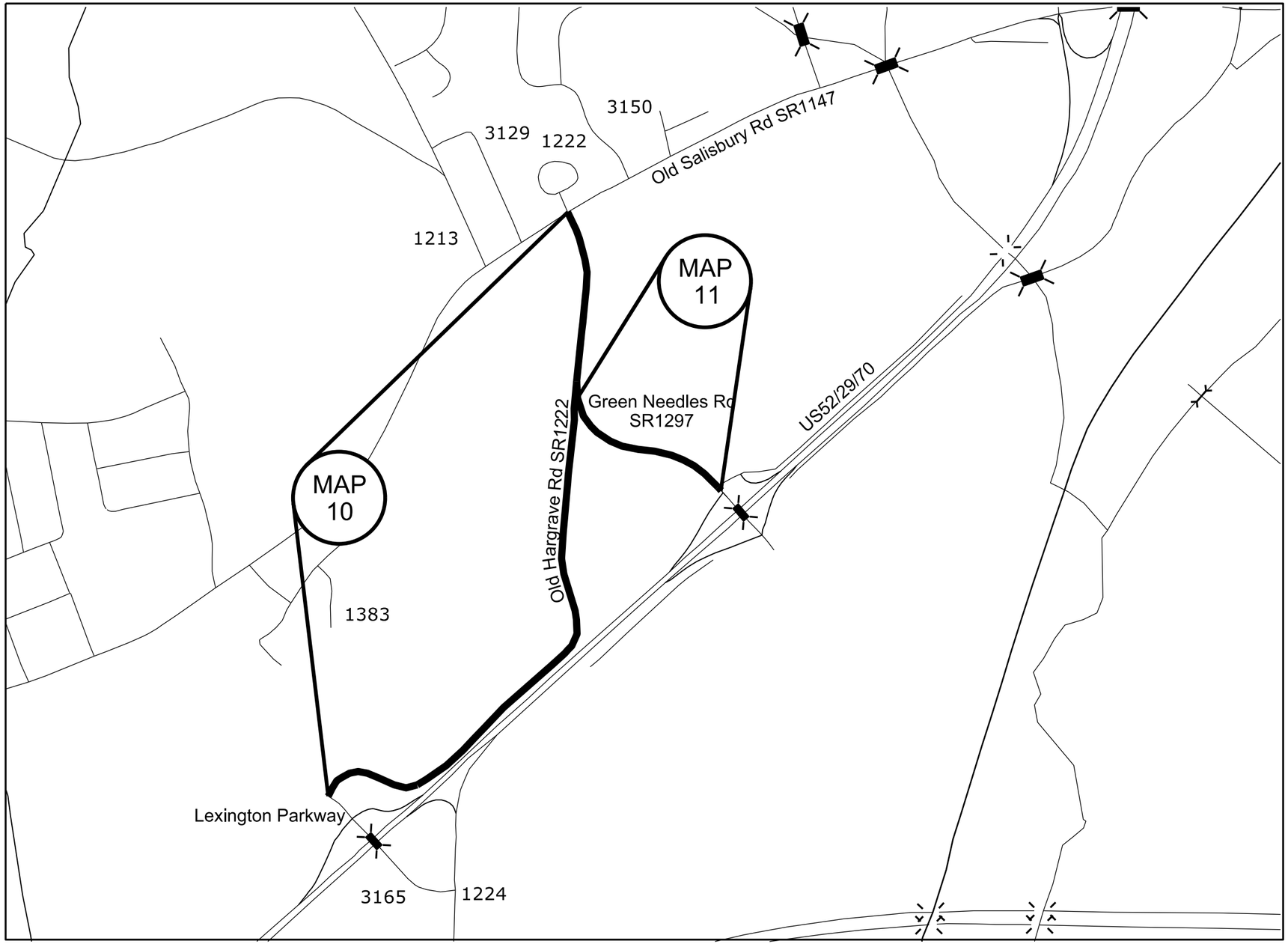


Map 9 Pilot School Rd SR2031
From Old 29 SR2123 to Shell Rd SR2031
Mill 0-1 1/2" incidental beginning, end,all SR intersections and at Bridge #420
Mill 0-1 1/2" at 7' width along curb and gutter
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	8



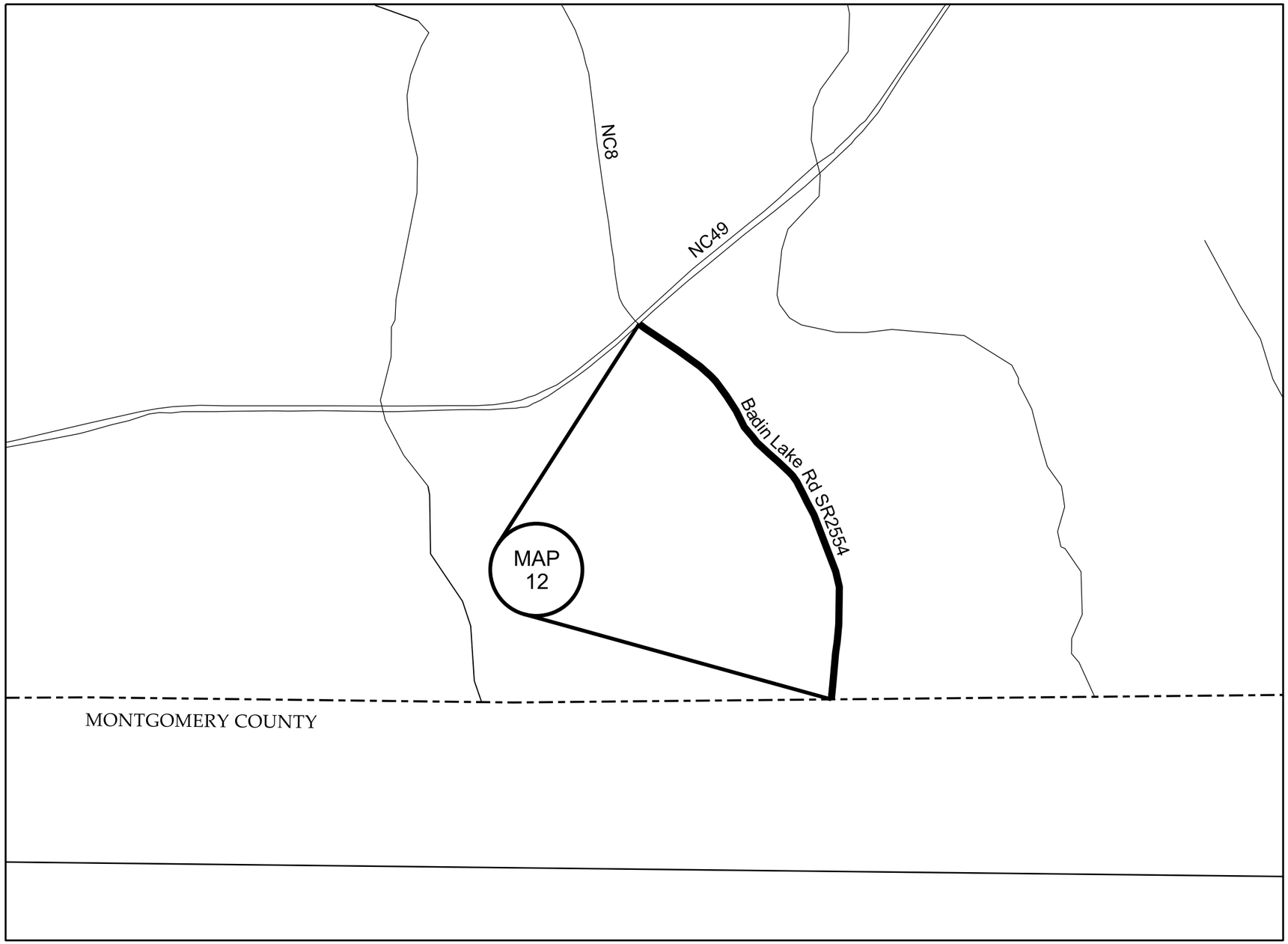
Map 10 Old Hargrave Rd SR1222
From Old Salisbury Rd SR1147 to Lexington Parkway
Mill 0-1 1/2" incidental mill beginning, end and at all SR intersections
Mill 0-1 1/2" 7' in widths along Curb and gutter
Mill 1 1/2" depth entire width from Green Needles Rd SR1297 to Lexington Parkway
Pave 1 1/2" S9.5C

Map 11 Green Needles Rd SR1297 From Pvt joint at US52/US29/70 to Old Hargrave Rd SR1222
Mill 0-1 1/2" incidental mill beginning, end, and at all SR intersections
Pave 1 1/2" S9.5C

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	9

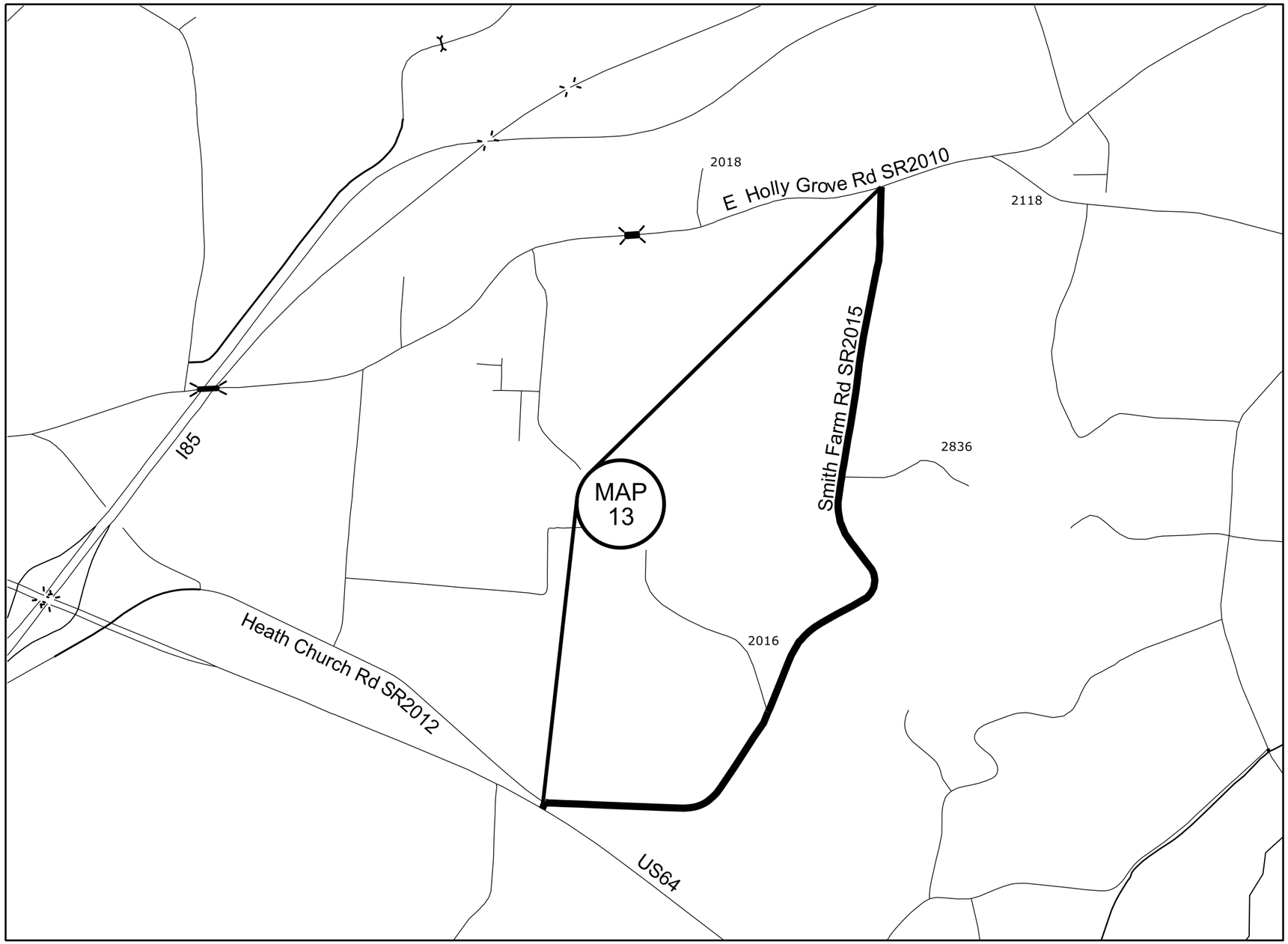


Map 12 Badin Lake Rd SR2554
From NC49 to Montgomery
County Line
Mill 0-1 1/2" incidental beginning,
end and at all SR intersections
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	10

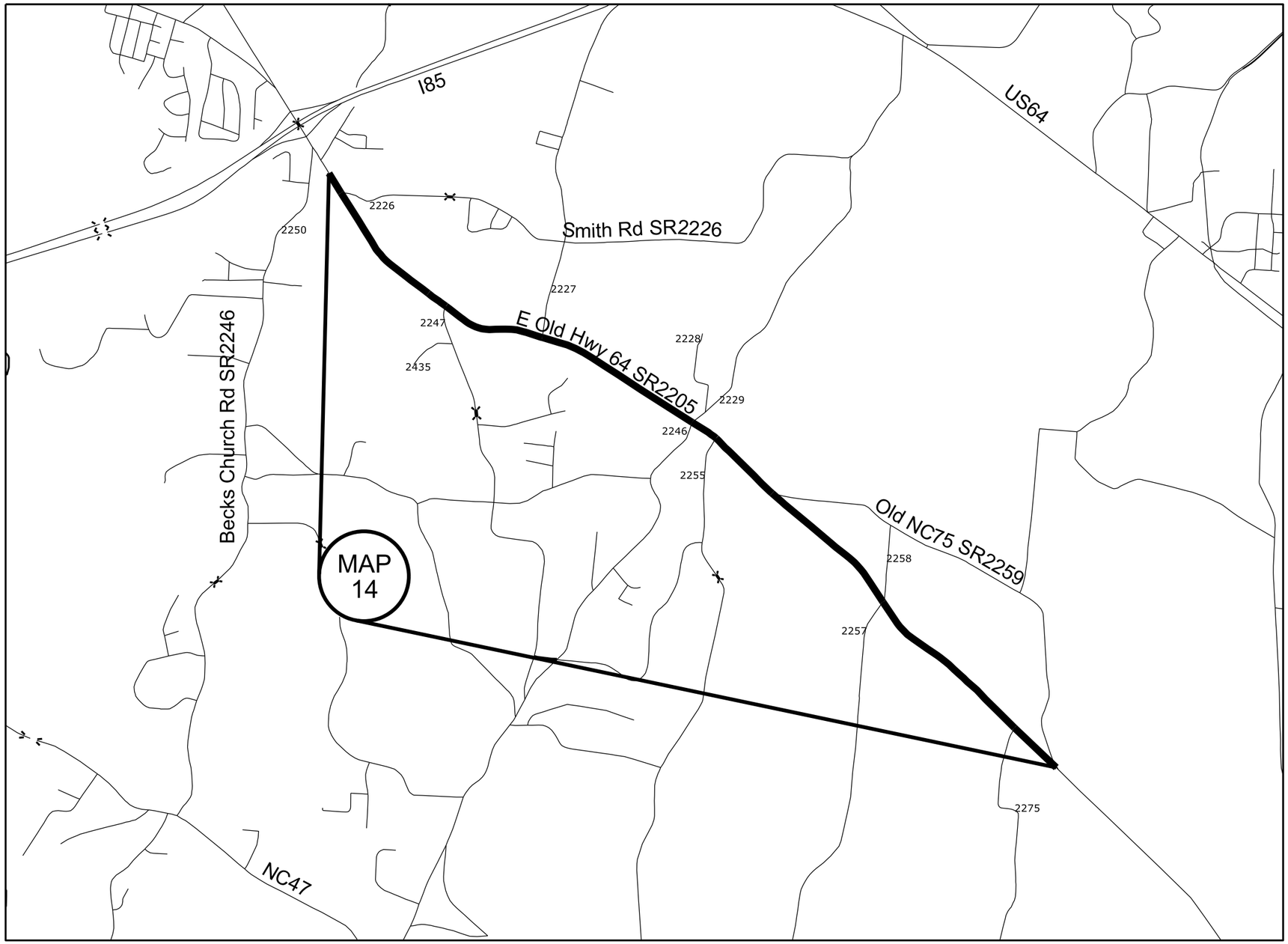


Map 13 Smith Farm Rd SR2015
From E Holly Grove Rd SR2010 to US64
Mill 0-1 1/2" incidental mill beginning, end and at all SR intersections
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	11

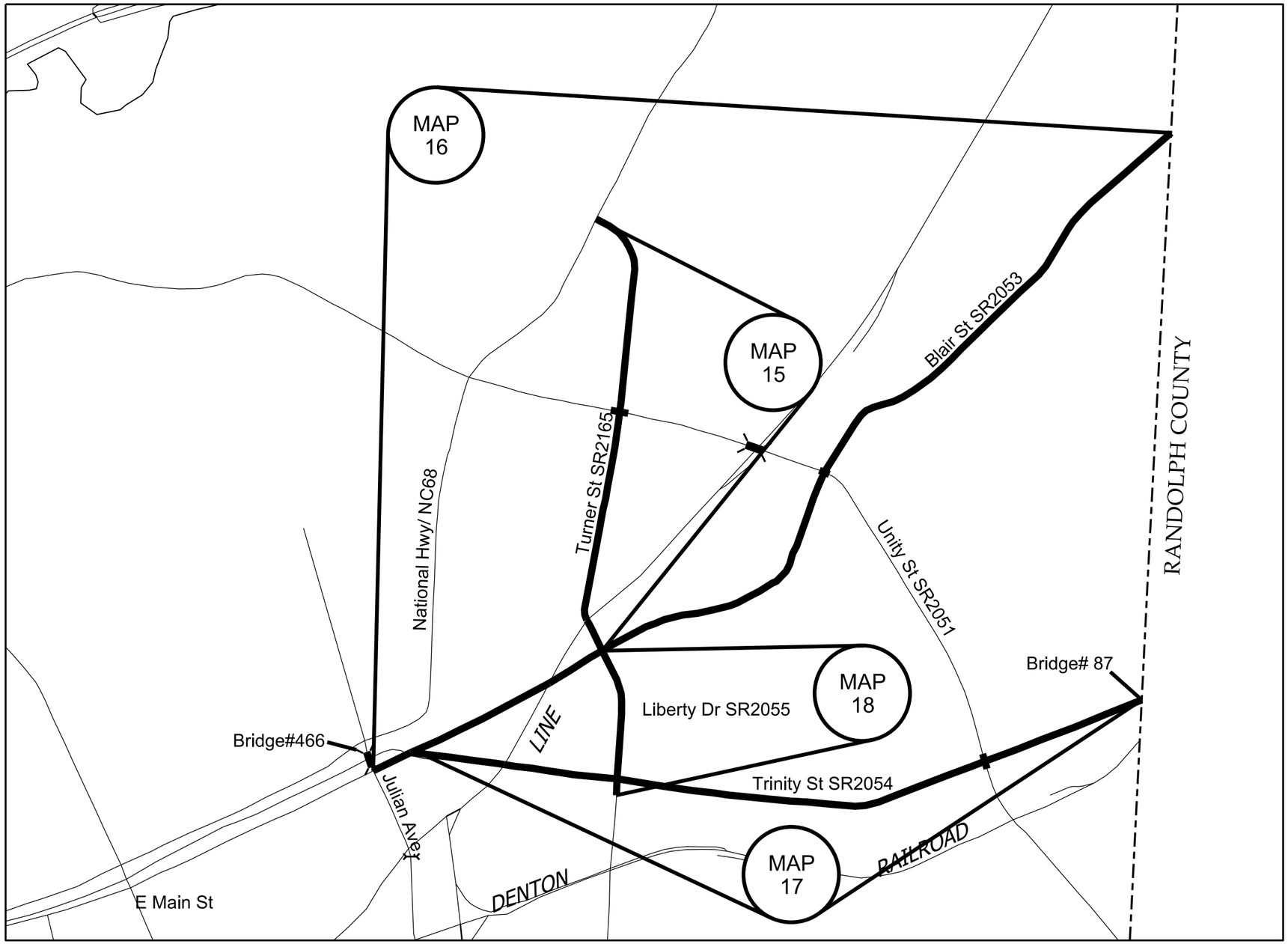


Map 14 E Old Hwy 64 SR2205
From Pvt joint S. of Becks Church Rd SR2246 to intersection of Old NC75 SR2259
Mill 0-1 1/2" incidental mill beginning, end and at all SR intersections
Apply Asphalt Surface Treatment, Single seal
Pave 1 1/2" S9.5B

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	12



Map 15 Turner St SR2165 From Blair St SR2053 to National Hwy/ NC68
Mill 1 1/2" depth entire width, also to remove existing asphalt from gutter line
Mill 0-1 1/2" depth 7' in width at curb and gutter face where curb was re-exposed
Pave 1 1/2" S9.5B
Including approx. 250' both ways at intersection of Unity St SR2051

Map 16 Blair St SR2053 From Julian Ave to Randolph County Line
Mill 1 1/2" depth entire width
Pave 1 1/2" S9.5B
Including approx. 250' both ways at intersection of Unity St SR2051

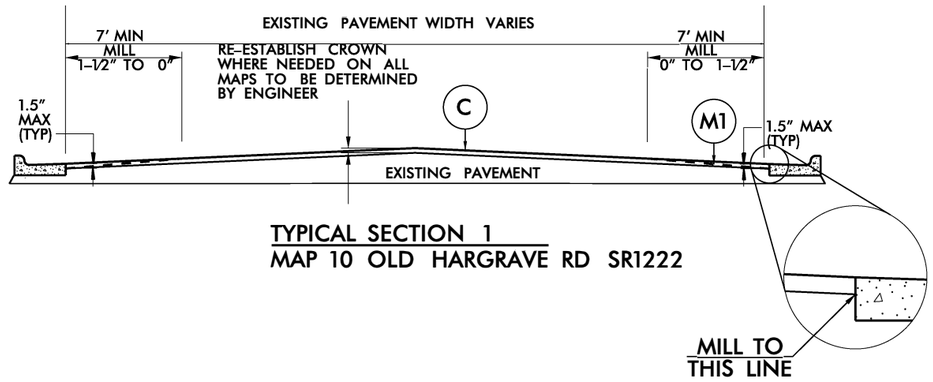
Map 17 Trinity St SR2054 From Blair St SR2053 to Bridge #87 at Randolph County Line
Mill 1 1/2" depth entire width
Pave 1 1/2" S9.5B
Including approx. 250' both ways at the intersection of Unity St SR2051

Map 18 Liberty Dr SR2055 From Blair St SR2053 to Approx. 250' past Trinity St SR2054
Mill 1 1/2" depth entire width
Pave 1 1/2" S9.5B

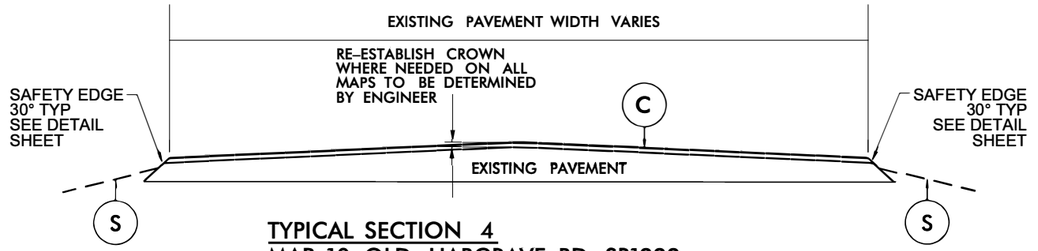
DAVIDSON COUNTY

NORTH CAROLINA

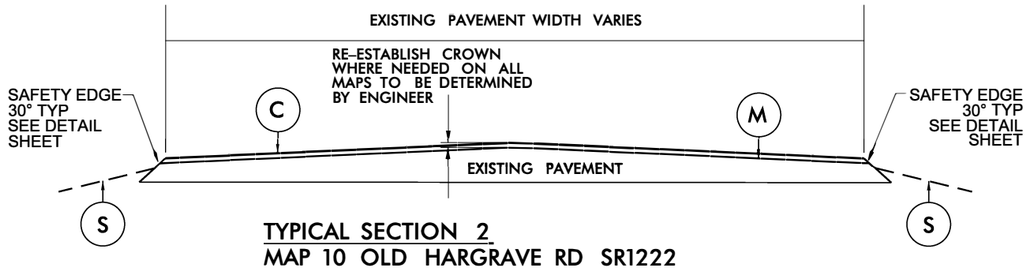
PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	13



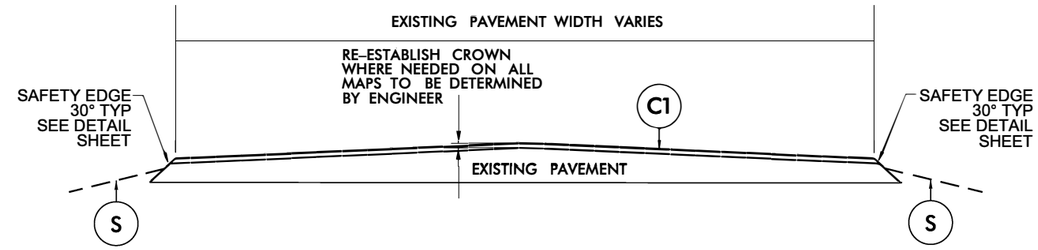
TYPICAL SECTION 1
MAP 10 OLD HARGRAVE RD SR1222



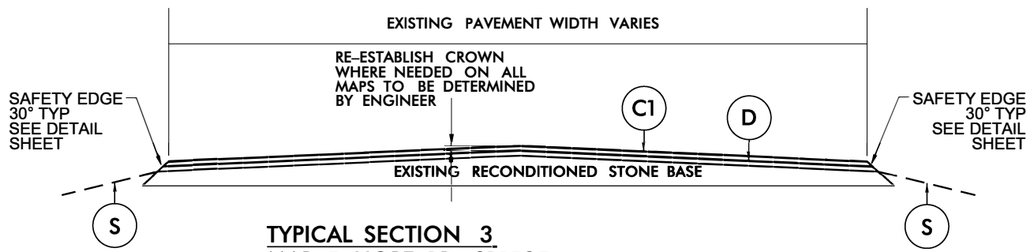
TYPICAL SECTION 4
MAP 10 OLD HARGRAVE RD SR1222
MAP 11 GREEN NEEDLES RD SR1297



TYPICAL SECTION 2
MAP 10 OLD HARGRAVE RD SR1222



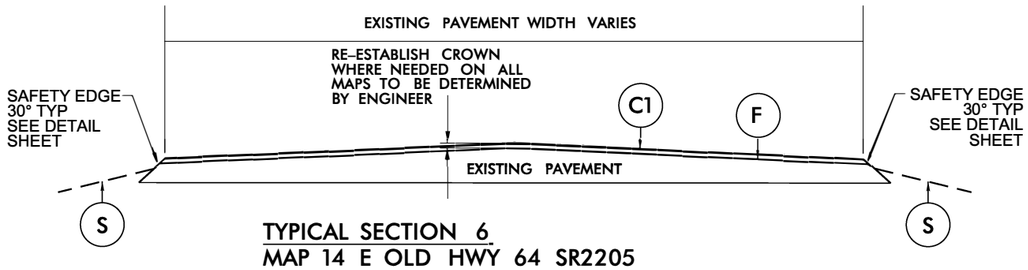
TYPICAL SECTION 5
MAP 2 SUNSET RD SR1522
MAP 3 CENTRAL RD SR1520
MAP 6 LEONARD RD SR1417
MAP 7 TURNER RD SR2005
MAP 8 ROY LOPP RD SR2014
MAP 9 PILOT SCHOOL RD SR2031
MAP 12 BADIN LAKE RD SR2554
MAP 13 SMITH FARM RD SR2015



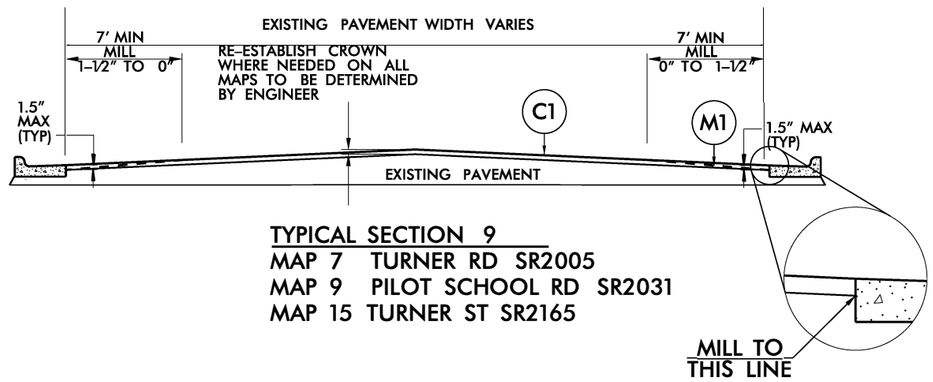
TYPICAL SECTION 3
MAP 5 HOPE RD SR1585

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
D	PROP. APPROX. 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, TO BE APPLIED AT AN AVERAGE RATE OF 228 LBS PER SQ YD.
F	ASPHALT SURFACE TREATMENT, SINGLE SEAL 14m TO BE APPLIED AT AN AVERAGE RATE OF 11 LBS/SY, EMULSION RATE OF 0.20 GAL/SY
M	MILL ASPHALT PAVEMENT, 1½" DEPTH ENTIRE WIDTH
M1	MILL ASPHALT PAVEMENT, 0" TO 1½"
S	SHOULDER RECONSTRUCTION (SEE DETAIL)

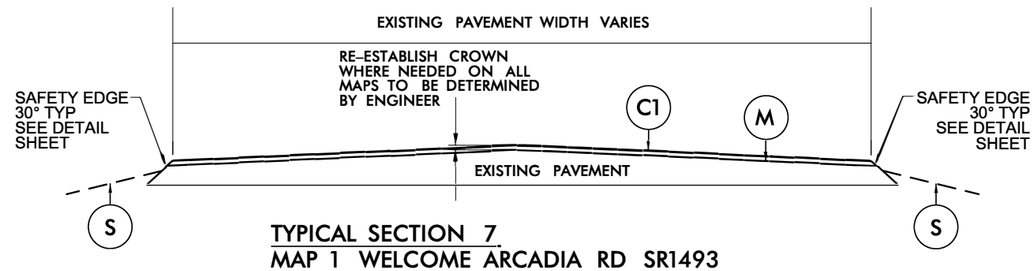
PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	14



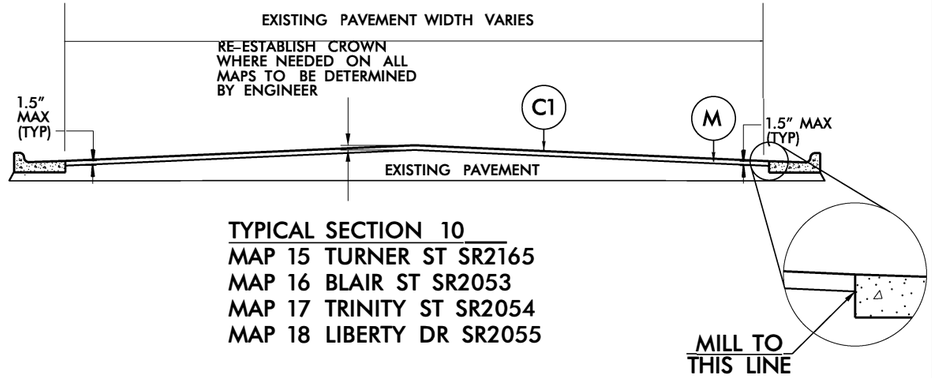
TYPICAL SECTION 6
MAP 14 E OLD HWY 64 SR2205



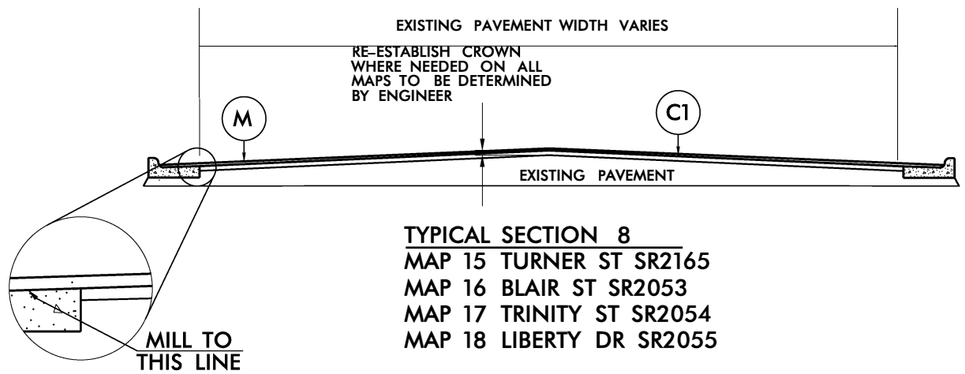
TYPICAL SECTION 9
MAP 7 TURNER RD SR2005
MAP 9 PILOT SCHOOL RD SR2031
MAP 15 TURNER ST SR2165



TYPICAL SECTION 7
MAP 1 WELCOME ARCADIA RD SR1493
MAP 4 UNION GROVE RD SR1512
MAP 16 BLAIR ST SR2053
MAP 17 TRINITY ST SR2054



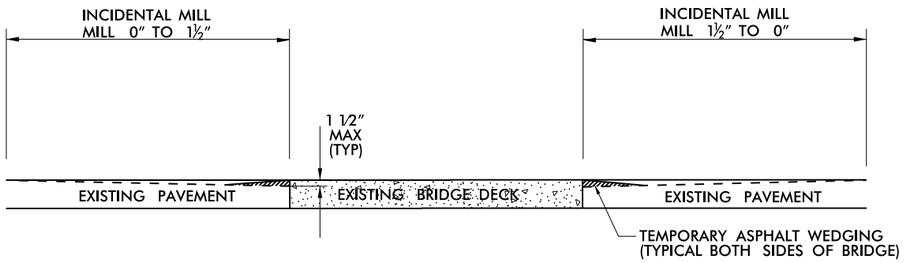
TYPICAL SECTION 10
MAP 15 TURNER ST SR2165
MAP 16 BLAIR ST SR2053
MAP 17 TRINITY ST SR2054
MAP 18 LIBERTY DR SR2055



TYPICAL SECTION 8
MAP 15 TURNER ST SR2165
MAP 16 BLAIR ST SR2053
MAP 17 TRINITY ST SR2054
MAP 18 LIBERTY DR SR2055

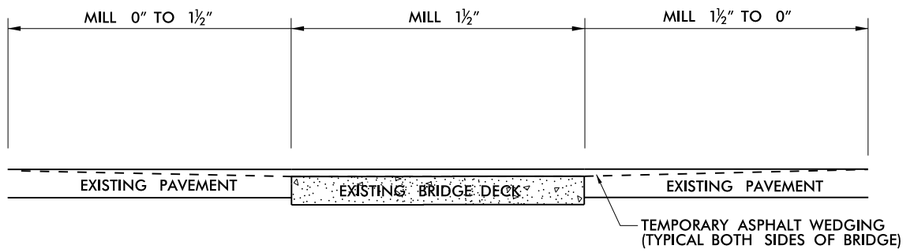
PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
D	PROP. APPROX. 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, TO BE APPLIED AT AN AVERAGE RATE OF 228 LBS PER SQ YD.
F	ASPHALT SURFACE TREATMENT, SINGLE SEAL 14m TO BE APPLIED AT AN AVERAGE RATE OF 11 LBS/SY, EMULSION RATE OF 0.20 GAL/SY
M	MILL ASPHALT PAVEMENT, 1½" DEPTH ENTIRE WIDTH
M1	MILL ASPHALT PAVEMENT, 0" TO 1½"
S	SHOULDER RECONSTRUCTION (SEE DETAIL)

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	15



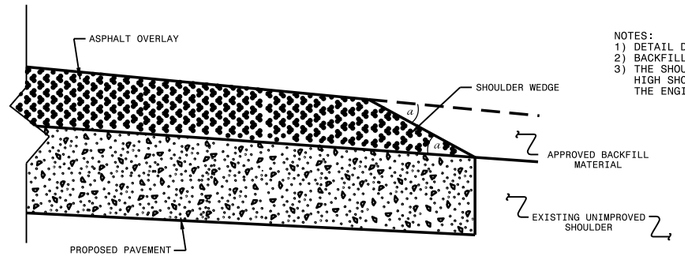
INCIDENTAL MILLING BRIDGE APPROACHES

(SEE BRIDGE DATA SHEET)



INCIDENTAL MILLING BRIDGE APPROACHES

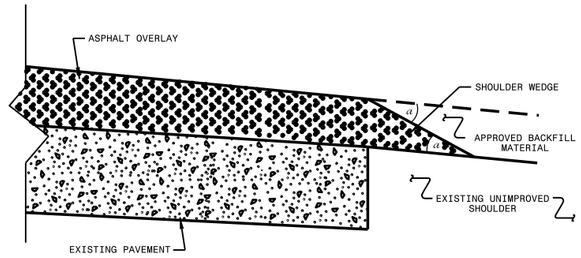
(SEE BRIDGE DATA SHEET)



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 DIRECTED BY THE ENGINEER.

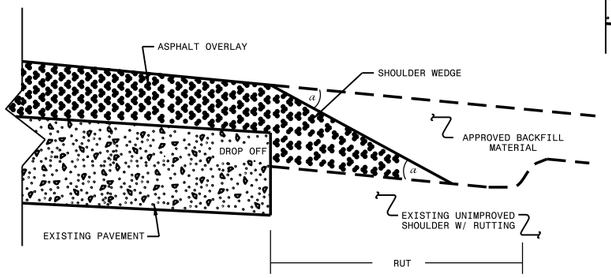
SHOULDER WEDGE DETAIL

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



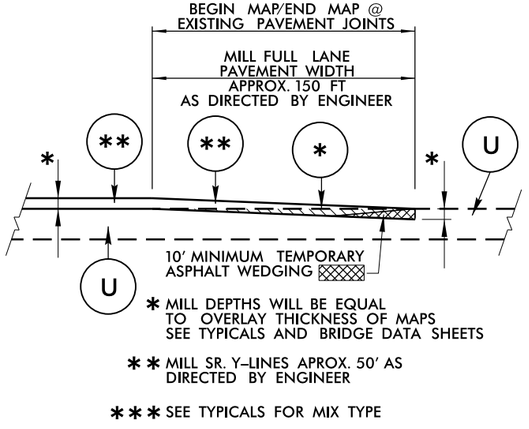
SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)

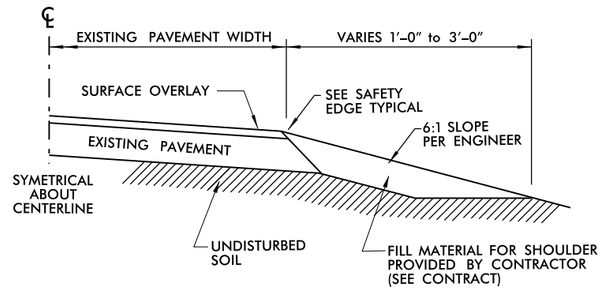


SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

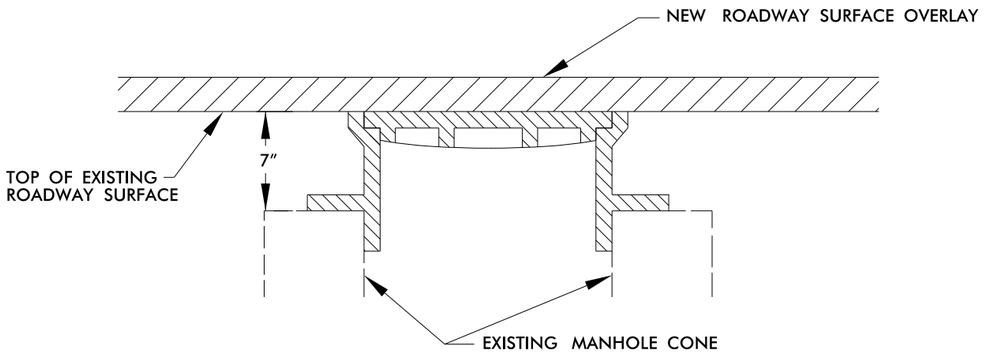


INCIDENTAL TIE-IN MILLING DETAIL

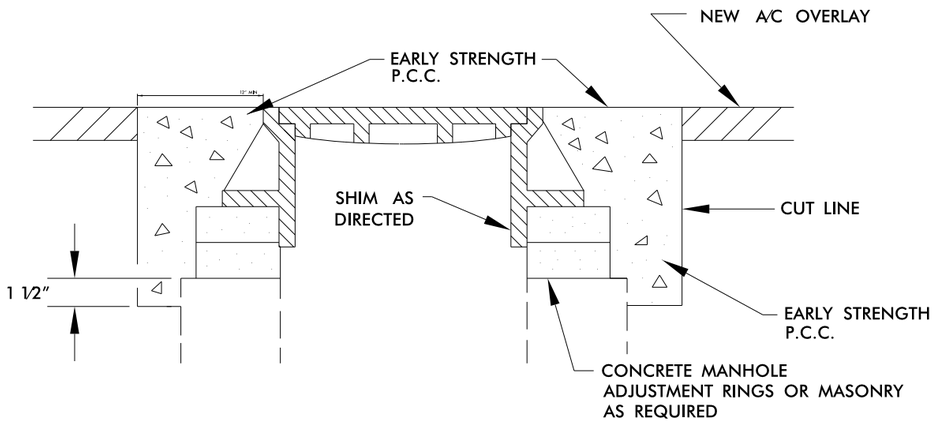


SHOULDER RECONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	16



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

BRIDGE DATA

PROJECT NO.	SHEET NO.
2021CPT.09.02.20291	17

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	SR1472	Welcome Arcadia Rd	63	Reedy Creek	10 GA.STL,4.5" AWS	27.833	28.208	NA	41	NA	Mill and pave up to aprox 200' of approach and exit of bridge
7	SR2005	Turner Rd	563	NSRR & Hamby Creek	9"RC/NO AWS	34	8	25	544	NA	Do NOT pave on the bridge
9	SR2031	Pilot School Rd	420	Southern Railroad	8 1/2" RC SLAB	32	13.25	23.5	233	NA	Do NOT pave on the bridge
17	SR2054	Trinity St	87	H.PT,Thomasville,Den. RR	7 3/8"RC SLAB/NO AWS	35.333	14.792	21.583	165	NA	Do NOT pave on the bridge

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.09.02.20291	18	

SUMMARY OF QUANTITIES

													0106000000-E	1220000000-E	1245000000-E	1297000000-E	1308000000-E	1330000000-E	1503000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	1814500000-E	1838000000-E	2830000000-N	2845000000-N	6000000000-E	6071010000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	MILLING ASPHALT PAVEMENT, 1 1/2"DEPTH	MILLING ASPHALT PAVEMENT, 0"TO 1 1/2" DEPTH	INCIDENTAL MILLING	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, SINGLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	TEMPORARY SILT FENCE	WATTLE
										MI	FT	CY	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	SY	GAL	EA	EA	LF	LF
2021CPT.09.02.20291	Davidson	1	WELCOME ARCADIA RD SR1493	FROM NC150 TO OLD US52	7	2		NO	NO	4.28	24-26	514	225	8.56	60,162		2,078		5,935		398	10				13	1,712	171
TOTAL FOR MAP NO. 1										**4.28**		**514**	**225**	**8.56**	**60,162**		**2,078**		**5,935**		**398**	**10**				**13**	**1,712**	**171**
2021CPT.09.02.20291	Davidson	2	SUNSET RD SR1522	FROM NC150 TO FRYE BRIDGE RD SR1493	5	2	2WU	NO	NO	1.241	20	149	85	2.48			667		1,390		93	10					496	50
TOTAL FOR MAP NO. 2										**1.241**		**149**	**85**	**2.48**			**667**		**1,390**		**93**	**10**					**496**	**50**
2021CPT.09.02.20291	Davidson	3	CENTRAL RD 1520	FROM NC150 TO FREIDBURG CHURCH RD SR 1537	5	2	2WU	NO	NO	1.859	22	223	50	3.72			1,754		2,379		159	10					744	74
TOTAL FOR MAP NO. 3										**1.859**		**223**	**50**	**3.72**			**1,754**		**2,379**		**159**	**10**					**744**	**74**
2021CPT.09.02.20291	Davidson	4	UNION GROVE RD SR1512	FROM NC150 TO MT OLIVE CHURCH RD SR 1515	7	2	2WU	NO	NO	0.095	21	11	10	0.19	1,170				112		7	10					38	4
TOTAL FOR MAP NO. 4										**0.095**		**11**	**10**	**0.19**	**1,170**				**112**		**7**	**10**					**38**	**4**
2021CPT.09.02.20291	Davidson	5	HOPE RD SR1585	FROM NC150 TO END IN CUL DE SAC	3	2	2WU	NO	NO	0.104	18-78	12	5	0.21				215	155		21						42	4
TOTAL FOR MAP NO. 5										**0.104**		**12**	**5**	**0.21**				**215**	**155**		**21**						**42**	**4**
2021CPT.09.02.20291	Davidson	6	LEONARD RD SR1417	FROM ARNOLD RD SR1457 TO PVT JOINT AT RXR CROSSING NEAR NC8	5	2	2WU	NO	NO	0.947	19	114	90	1.89			933		1,037		69	10					379	38
TOTAL FOR MAP NO. 6										**0.947**		**114**	**90**	**1.89**			**933**		**1,037**		**69**	**10**					**379**	**38**
2021CPT.09.02.20291	Davidson	7	TURNER RD SR2005	FROM OLD 29 SR2123 TO E HOLLY GROVE RD SR2010	5, 9	2	2WU	NO	NO	2.595	22-38	311	150	5.19		622	2,222		3,206		215	10			5	5	1,038	104
TOTAL FOR MAP NO. 7										**2.595**		**311**	**150**	**5.19**		**622**	**2,222**		**3,206**		**215**	**10**			**5**	**5**	**1,038**	**104**
2021CPT.09.02.20291	Davidson	8	ROY LOPP RD SR2014	FROM TURNER RD SR2005 TO E HOLLY GROVE RD SR 2010	5	2	2WU	NO	NO	1.799	21	216	180	3.60			989		2,143		144	10				1	720	72
TOTAL FOR MAP NO. 8										**1.799**		**216**	**180**	**3.60**			**989**		**2,143**		**144**	**10**				**1**	**720**	**72**
2021CPT.09.02.20291	Davidson	9	PILOT SCHOOL RD SR2031	FROM OLD 29 SR2123 TO SHELL RD SR2031	5, 9	2	2WU	NO	NO	1.259	22-32	151	90	2.52		700	4,482		1,786		120	10				3	504	50
TOTAL FOR MAP NO. 9										**1.259**		**151**	**90**	**2.52**		**700**	**4,482**		**1,786**		**120**	**10**				**3**	**504**	**50**
2021CPT.09.02.20291	Davidson	10	OLD HARGRAVE RD SR1222	FROM OLD SALISBURY RD SR1147 TO LEXINGTON PARKWAY	1, 2, 4	2,4	2WU	NO	NO	1.358	25-48	163	10	2.72	15,500	957	600			2,395	144	10			2	1	543	54
TOTAL FOR MAP NO. 10										**1.358**		**163**	**10**	**2.72**	**15,500**	**957**	**600**			**2,395**	**144**	**10**			**2**	**1**	**543**	**54**
2021CPT.09.02.20291	Davidson	11	GREEN NEEDLES RD SR1297	FROM PVT JOINT AT US52/US29/70 TO OLD HARGRAVE RD SR1222	4	2	2WU	NO	NO	0.318	24-48	38	10	0.64			952			685	41	10				1	127	13
TOTAL FOR MAP NO. 11										**0.318**		**38**	**10**	**0.64**			**952**			**685**	**41**	**10**				**1**	**127**	**13**
2021CPT.09.02.20291	Davidson	12	BADIN LAKE RD SR2554	FROM NC49 TO MONTGOMERY COUNTY LINE	5	2	2WU	NO	NO	0.827	22-42	99	35	1.65			1,034		1,018		68	10					331	33
TOTAL FOR MAP NO. 12										**0.827**		**99**	**35**	**1.65**			**1,034**		**1,018**		**68**	**10**					**331**	**33**
2021CPT.09.02.20291	Davidson	13	SMITH FARM RD SR2015	FROM E HOLLY GROVE RD SR2010 TO US64	5	2	2WU	NO	NO	2.317	21	278	175	4.63			1,122		2,764		185	10				2	927	93
TOTAL FOR MAP NO. 13										**2.317**		**278**	**175**	**4.63**			**1,122**		**2,764**		**185**	**10**				**2**	**927**	**93**
2021CPT.09.02.20291	Davidson	14	E OLD HWY 64 SR2205	FROM PVT JOINT S OF BECKS CHURCH RD SR2246 TO INTERSECTION OF OLD NC75 SR2259	6	2	2WU	NO	NO	5.116	25-28	614	200	10.23			1,854		7,273		487	10	76,279	15,256		1	2,046	205
TOTAL FOR MAP NO. 14										**5.116**		**614**	**200**	**10.23**			**1,854**		**7,273**		**487**	**10**	**76,279**	**15,256**		**1**	**2,046**	**205**
2021CPT.09.02.20291	Davidson	15	TURNER ST SR2165	FROM BLAIR ST SR2053 TO NATIONAL HWY/NC68	8, 9,10	2,3	MU	NO	NO	0.866	32-54				17,273	3,578	1,422		1,757		118	10			11	16		
TOTAL FOR MAP NO. 15										**0.866**					**17,273**	**3,578**	**1,422**		**1,757**		**118**	**10**			**11**	**16**		
2021CPT.09.02.20291	Davidson	16	BLAIR ST SR2053	FROM JULIAN AVE. TO RANDOLPH COUNTY LINE	7, 8, 10	2,3	MU	NO	NO	1.955	24-36	150	33	1.21	27,878		1,422		3,037		203	10			27	17	242	25
TOTAL FOR MAP NO. 16										**1.955**		**150**	**33**	**1.21**	**27,878**		**1,422**		**3,037**		**203**	**10**			**27**	**17**	**242**	**25**
2021CPT.09.02.20291	Davidson	17	TRINITY ST SR2054	FROM BLAIR ST SR2053 TO BRIDGE #87 AT RANDOLPH COUNTY LINE	7, 8, 10	2,3	MU	NO	NO	1.383	24-36	166	36	2.77	22,179		1,422		2,247		151	10			13	10	553	55
TOTAL FOR MAP NO. 17										**1.383**		**166**	**36**	**2.77**	**22,179**		**1,422**		**2,247**		**151**	**10**			**13**	**10**	**553**	**55**
2021CPT.09.02.20291	Davidson	18	LIBERTY DR SR2055	FROM BLAIR ST SR2053 TO APPROX 250' PAST TRINITY ST SR2054	8, 10	2,3	MU	NO	NO	0.301	34				6,006				572		38	10			7	12		
TOTAL FOR MAP NO. 18										**0.301**					**6,006**				**572**		**38**	**10**			**7**	**12**		
TOTAL FOR PROJ NO. 2021CPT.09.02.20291										**28.62**		**3,209**	**1,384**	**52.20**	**150,168**	**5,857**	**22,953**	**215**	**36,811**	**3,080**	**2,661**	**170**	**76,279**	**15,256**	**65**	**82**	**10,442**	**1,045**
GRAND TOTAL										**28.62**		**3,209**	**1,384**	**52.20**	**150,168**	**5,857**	**22,953**	**215**	**36,811**	**3,080**	**2,661**	**170**	**76,279**	**15,256**	**65**	**82**	**10,442**	**1,045**

Note: All quantities listed include turn lanes and are extimates; Payment will be based on actual field measurements and quantities recieved

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.09.02.20291	19	

THERMOPLASTIC AND PAINT QUANTITIES

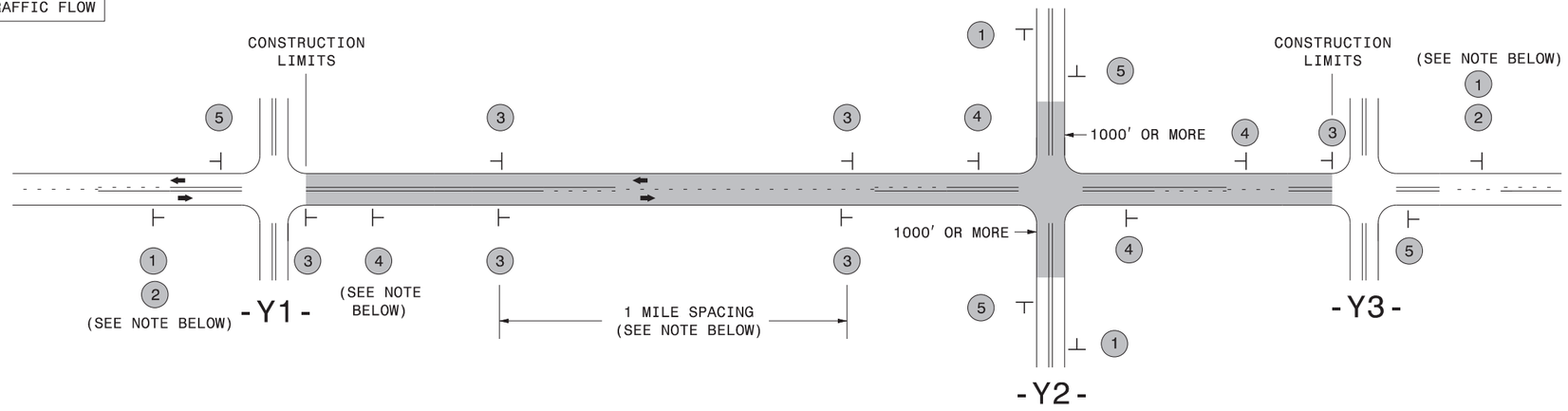
											4413000000-E	4457000000-N	4685000000-E		4695000000-E		4720000000-E		4725000000-E				4810000000-E		4820000000-E		4830000000-E	4835000000-E	4840000000-N	4845000000-N					4891000000-E	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	THERMO RXR 90 M	THERMO MSG SCHOOL 90 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO STR & LT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	8" YELLOW PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG RXR	PAINT LT ARROW	PAINT RT ARROW	PAINT STR & LT ARROW	PAINT STR & RT ARROW	24" X 90 M WHITE THERMO	16" X 90 M WHITE THERMO
								MI	FT	SF	LS	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF
2021CPT.09.02.20291	Davidson	1	WELCOME ARCADIA RD SR1493	FROM NC150 TO OLD US52	7	2		4.28	24-36	480		46,053	46,053									46,053	46,053				18						18	
TOTAL FOR MAP NO. 1								**4.28**		**480**		**46,053**	**46,053**									**46,053**	**46,053**				**18**						**18**	
2021CPT.09.02.20291	Davidson	2	SUNSET RD SR1522	FROM NC150 TO FRYE BRIDGE RD SR1493	5	2	2WU	1.241	20	126		13,353	13,353																					
TOTAL FOR MAP NO. 2								**1.241**		**126**		**13,353**	**13,353**																					
2021CPT.09.02.20291	Davidson	3	CENTRAL RD 1520	FROM NC150 TO FREIDBURG CHURCH RD SR 1537	5	2	2WU	1.859	22	208		20,003	20,003																					
TOTAL FOR MAP NO. 3								**1.859**		**208**		**20,003**	**20,003**																					
2021CPT.09.02.20291	Davidson	4	UNION GROVE RD SR1512	FROM NC150 TO MT OLIVE CHURCH RD SR 1515	7	2	2WU	0.095	21			1,022	1,022									1,022	1,022											
TOTAL FOR MAP NO. 4								**0.095**				**1,022**	**1,022**									**1,022**	**1,022**											
2021CPT.09.02.20291	Davidson	5	HOPE RD SR1585	FROM NC150 TO END IN CUL DE SAC	3	2	2WU	0.104	18-78	12																								
TOTAL FOR MAP NO. 5								**0.104**		**12**																								
2021CPT.09.02.20291	Davidson	6	LEONARD RD SR1417	FROM ARNOLD RD SR1457 TO PVT JOINT AT RXR CROSSING NEAR NC8	5	2	2WU	0.947	19	107		10,190	10,190			2																	25	50
TOTAL FOR MAP NO. 6								**0.947**		**107**		**10,190**	**10,190**			**2**																	**25**	**50**
2021CPT.09.02.20291	Davidson	7	TURNER RD SR2005	FROM OLD 29 SR2123 TO E HOLLY GROVE RD SR2010	5, 9	2	2WU	2.595	22-38	290		27,922	27,922																					
TOTAL FOR MAP NO. 7								**2.595**		**290**		**27,922**	**27,922**																					
2021CPT.09.02.20291	Davidson	8	ROY LOPP RD SR2014	FROM TURNER RD SR2005 TO E HOLLY GROVE RD SR 2010	5	2	2WU	1.799	21	213		19,357	19,357																					
TOTAL FOR MAP NO. 8								**1.799**		**213**		**19,357**	**19,357**																					
2021CPT.09.02.20291	Davidson	9	PILOT SCHOOL RD SR2031	FROM OLD 29 SR2123 TO SHELL RD SR2031	5, 9	2	2WU	1.259	22-32	141		13,547	13,547	100			6	4	2															194	
TOTAL FOR MAP NO. 9								**1.259**		**141**		**13,547**	**13,547**	**100**			**6**	**4**	**2**															**194**	
2021CPT.09.02.20291	Davidson	10	OLD HARGRAVE RD SR1222	FROM OLD SALISBURY RD SR1147 TO LEXINGTON PARKWAY	1, 2, 4	2,4	2WU	1.358	25-48	152	*	15,187	16,380		100			3	2	1		10,930	10,930										64	
TOTAL FOR MAP NO. 10								**1.358**		**152**	*	**15,187**	**16,380**		**100**			**3**	**2**	**1**		**10,930**	**10,930**										**64**	
2021CPT.09.02.20291	Davidson	11	GREEN NEEDLES RD SR1297	FROM PVT JOINT AT US52/US29/70 TO OLD HARGRAVE RD SR1222	4	2	2WU	0.318	24-48	36		3,422	3,422																					
TOTAL FOR MAP NO. 11								**0.318**		**36**		**3,422**	**3,422**																					
2021CPT.09.02.20291	Davidson	12	BADIN LAKE RD SR2554	FROM NC49 TO MONTGOMERY COUNTY LINE	5	2	2WU	0.827	22-42	93		8,899	8,899																					
TOTAL FOR MAP NO. 12								**0.827**		**93**		**8,899**	**8,899**																					
2021CPT.09.02.20291	Davidson	13	SMITH FARM RD SR2015	FROM E HOLLY GROVE RD SR2010 TO US64	5	2	2WU	2.317	21	260		24,931	24,931																					
TOTAL FOR MAP NO. 13								**2.317**		**260**		**24,931**	**24,931**																					
2021CPT.09.02.20291	Davidson	14	E OLD HWY 64 SR2205	FROM PVT JOINT S OF BECKS CHURCH RD SR2246 TO INTERSECTION OF OLD NC75 SR2259	6	2	2WU	5.116	25-28	573		55,048	55,048																					
TOTAL FOR MAP NO. 14								**5.116**		**573**		**55,048**	**55,048**																					
2021CPT.09.02.20291	Davidson	15	TURNER ST SR2165	FROM BLAIR ST SR2053 TO NATIONAL HWY/NC68	8, 9,10	2,3	MU	0.866	32-54	97		423	10,500	88		4		12	3	8	2	423	10,500	88		100	268	4	12	3	2	8	268	100
TOTAL FOR MAP NO. 15								**0.866**		**97**		**423**	**10,500**	**88**		**4**		**12**	**3**	**8**	**2**	**423**	**10,500**	**88**		**100**	**268**	**4**	**12**	**3**	**2**	**8**	**268**	**100**
2021CPT.09.02.20291	Davidson	16	BLAIR ST SR2053	FROM JULIAN AVE. TO RANDOLPH COUNTY LINE	7, 8, 10	2,3	MU	1.955	24-36	218		8,503	23,600	82	220			14	4	6		8,503	23,600	82	220		189		14	4		6	189	
TOTAL FOR MAP NO. 16								**1.955**		**218**		**8,503**	**23,600**	**82**	**220**			**14**	**4**	**6**		**8,503**	**23,600**	**82**	**220**		**189**		**14**	**4**		**6**	**189**	
2021CPT.09.02.20291	Davidson	17	TRINITY ST SR2054	FROM BLAIR ST SR2053 TO BRIDGE #87 AT RANDOLPH COUNTY LINE	7, 8, 10	2,3	MU	1.383	24-36	155		13,008	13,900		70			8		8		13,008	13,900		70		239		8			8	239	
TOTAL FOR MAP NO. 17								**1.383**		**155**		**13,008**	**13,900**		**70**			**8**		**8**		**13,008**	**13,900**		**70**		**239**		**8**			**8**	**239**	
2021CPT.09.02.20291	Davidson	18	LIBERTY DR SR2055	FROM BLAIR ST SR2053 TO APPROX 250' PAST TRINITY ST SR2054	8, 10	2,3	MU	0.301	34	34		768	3,315					8		8		768	3,315				80		8			8	80	
TOTAL FOR MAP NO. 18								**0.301**		**34**		**768**	**3,315**					**8**		**8**		**768**	**3,315**				**80**		**8**			**8**	**80**	
TOTAL FOR PROJ NO. 2021CPT.09.02.20291								**28.62**		**3,195**	**1**	**281,636**	**311,442**	**270**	**390**	**6**	**6**	**49**	**11**	**31**	**2**	**80,707**	**109,320**	**170**	**290**	**100**	**794**	**4**	**42**	**7**	**2**	**30**	**1,077**	**150**
												593,078		**660**		**12**		**93**				**190,027**		**460**					**81**					
GRAND TOTAL								**28.62**		**3,195**	**1**	**281,636**	**311,442**	**270**	**390**	**6**	**6**	**49**	**11**	**31**	**2**	**80,707**	**109,320**	**170**	**290**	**100**	**794**	**4**	**42**	**7**	**2**	**30**	**1,077**	**150**
												593,078		**660**		**12**		**93**				**190,027**		**460**					**81**					

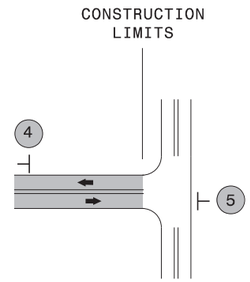
Note: All quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received

PROJ. REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	TMP-1

SIGNING FOR RESURFACING PROJECTS

LEGEND
- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 & 2 — ROAD WORK AHEAD W20-1 48″ X 48″ / NEXT XX MILES W7-3aP 24″ X 18″

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

#2 SIGN ONLY USED WHEN CONSTRUCTION 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 SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART 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.
- FOR TEE INTERSECTIONS, INSTALL WITHIN 500′ +/- OF THE INTERSECTION ALONG -L- LINE.

5 — END ROAD WORK G20-2 A 48″ X 24″

PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.

-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, PORTABLE ADVANCE WARNING 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

ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

5/15/2017
SATMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:kedgis

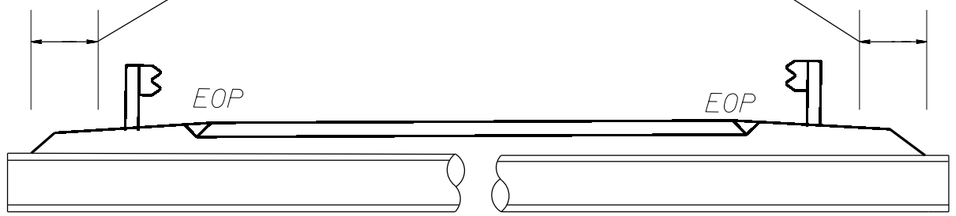
PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	EC-1

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

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

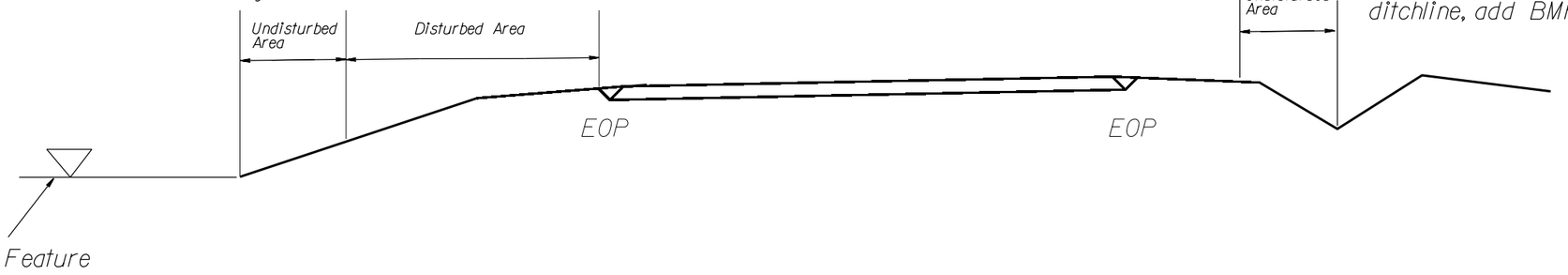
EROSION CONTROL DETAIL

< 5' - 10' Undisturbed buffer add BMP



Pipe/Culvert

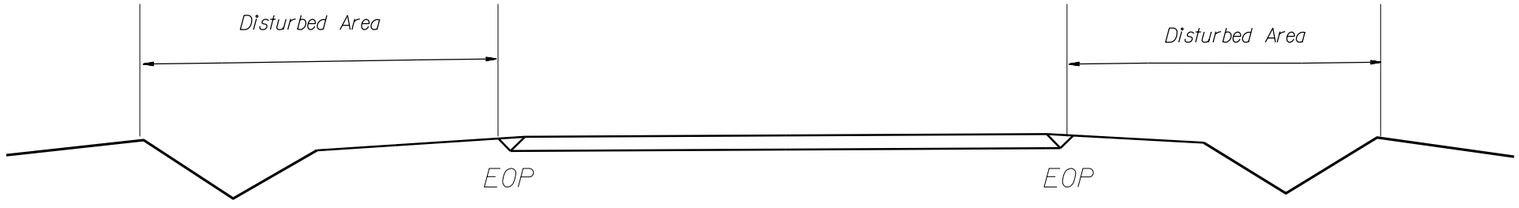
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



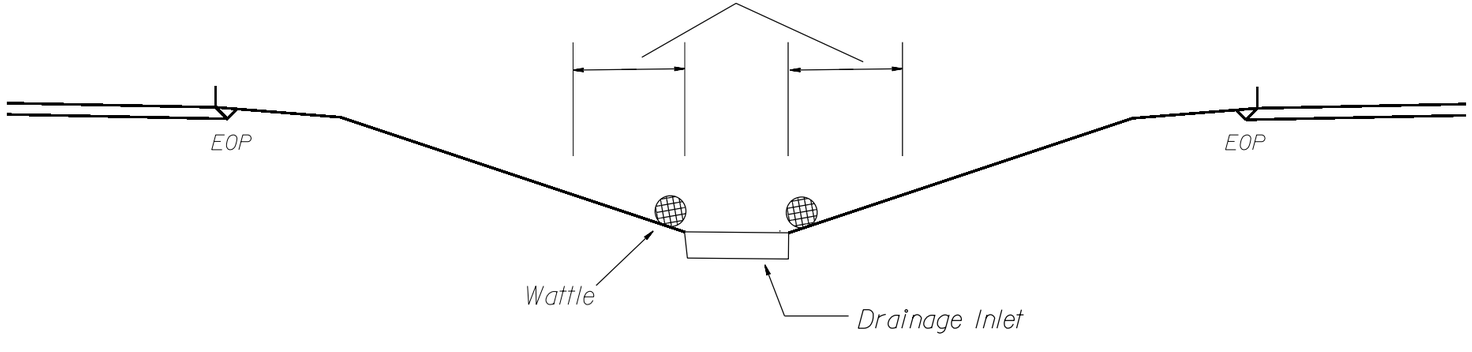
Jurisdictional Feature

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

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



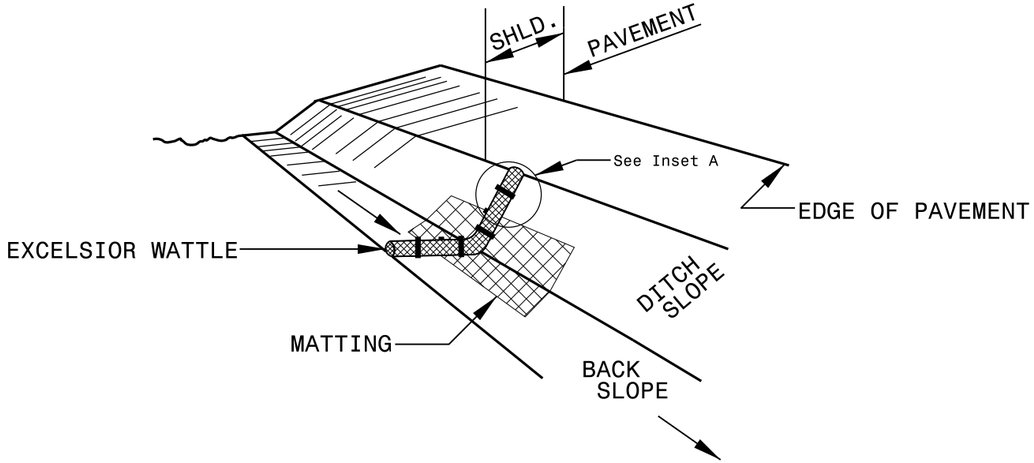
< 5' - 10' Undisturbed buffer from inlet, add wattle



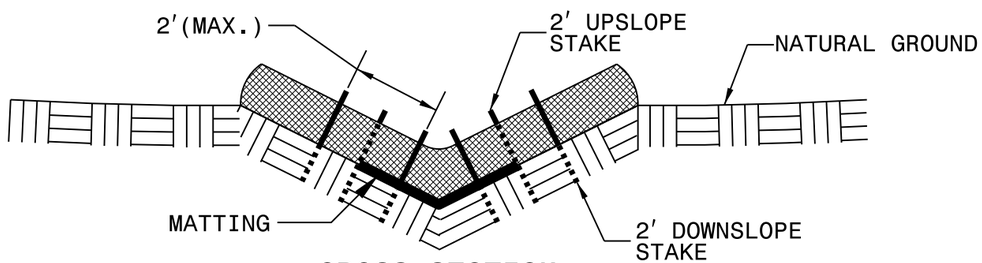
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.09.02.20291	EC-2

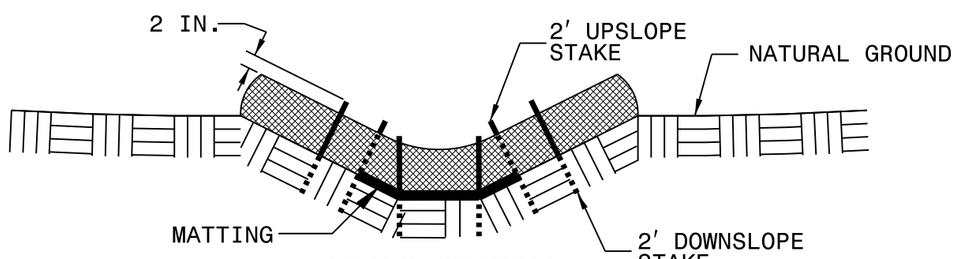
WATTLE DETAIL



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.

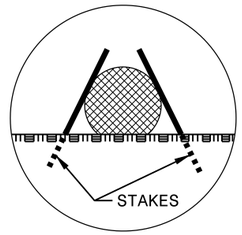
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

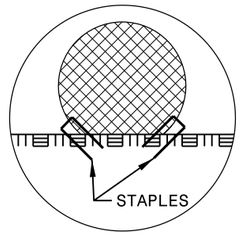
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

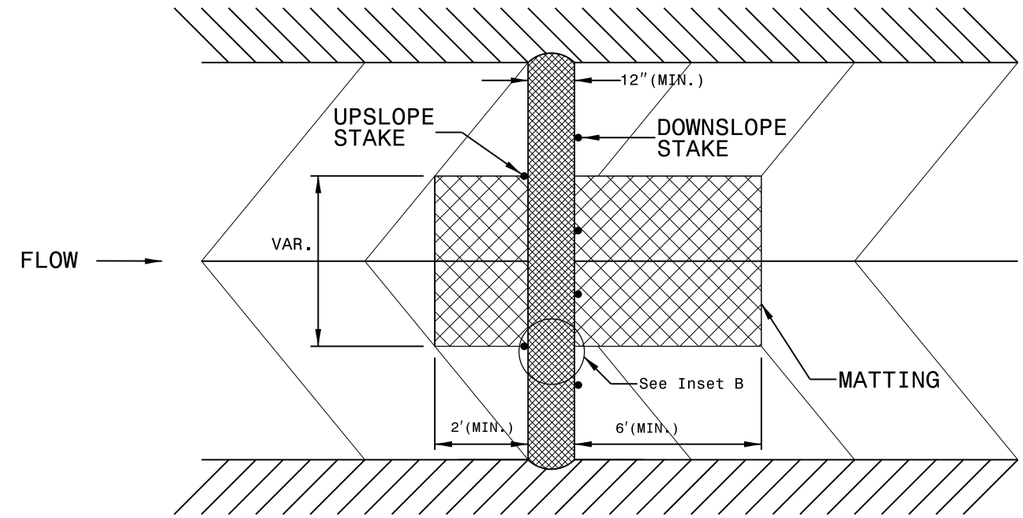
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW