PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	Title Sheet

Map#1 NC109
Map#2 NC8
Map#3 Old US52 SR3010
Map#4 Old US52 SR3010
Map#5 Old US52 SR3010
Map#6 Old US52 SR2932
Map#7 Biesecker Rd SR1408
Map#8 Old Hwy29 SR2123
Map#9 Farmers Rd SR1001
Map#10 Denton Rd/ S Snider Rd SR2507
Map#11 N Main St SR2414 (Denton)
Map#12 S Main St SR2501 (Denton)
Map#13 W Peacock Ave. SR1002
Map#14 E Peacock Ave. SR2511

Legend

Davidson2024

N

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	2

Map#1 NC109
From pvt joint at NC49 to pvt joint at Klopman Mill Rd SR2559
Mill 11/2" entire width
Mill 0-11/2" incidental milling additional depth under brg#29
Pave 11/2" S9.5C

Map #1

Legend

Davidson2024

N

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	3

Map#2 NC8
From proj#U5757 limits at Arrington Dr SR1847 to SR1841 City Lake Rd
Mill 11/2" entire width
Pave 11/2" S9.5C

Map#3 NC8
From SR1841 City Lake Rd to SR1901 Holiday Dr
Mill 11/2" entire width
Pave 11/2" S9.5C

Map#7 Bisecker Rd SR1408
From proj#U5757 limits at NC8 to pvt joint at W Center St SR1242
Mill 0-11/2" incidental mill begining, end, all SR intersections and R&R crossing
Mill 0-11/2" @ 7' in width along curb & gutter
Pave 11/2" S9.5C

Map 1

Map 2

Map 3

Map 7

Legend

Davidson2024

N

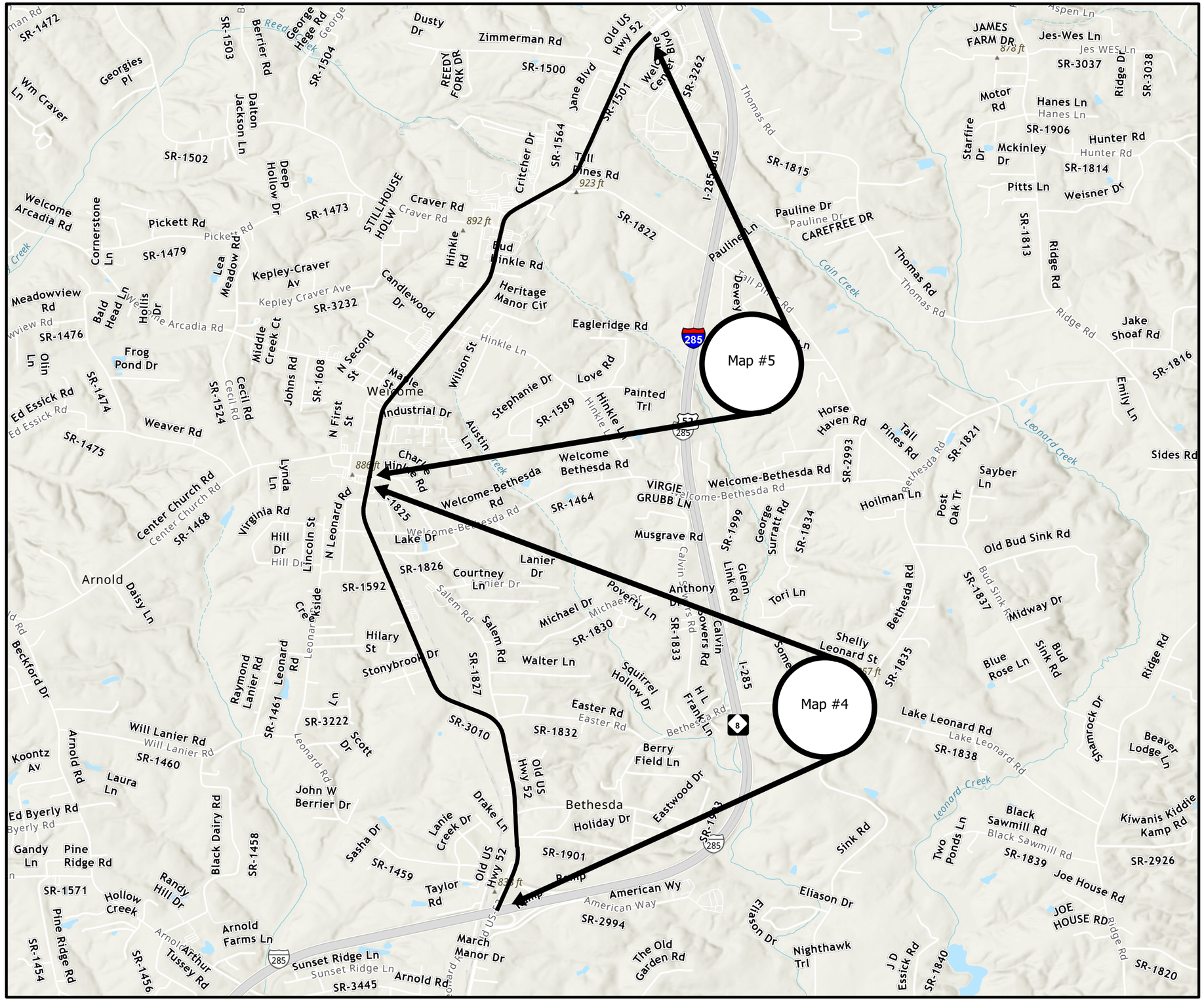
DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	4

Map#4 Old US52 SR3010
From Holiday Dr SR1901 to Charlie Hinkle Rd SR1825
Mill 11/2" entire width
Pave 11/2" S9.5C

Map#5 Old US52 SR3010
From Charlie Hinkle Rd SR1825 to pvt joint south of Enterprise Rd SR1499
Mill 11/2" entire width
Pave 11/2" S9.5C



DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	5

Map#6 Old US52 SR2932
From pvt joint south Willow Oak Dr SR1812
to Forsyth County line
Mill 11/2" entire Width
Pave 11/2" S9.5C

Map #6

Legend

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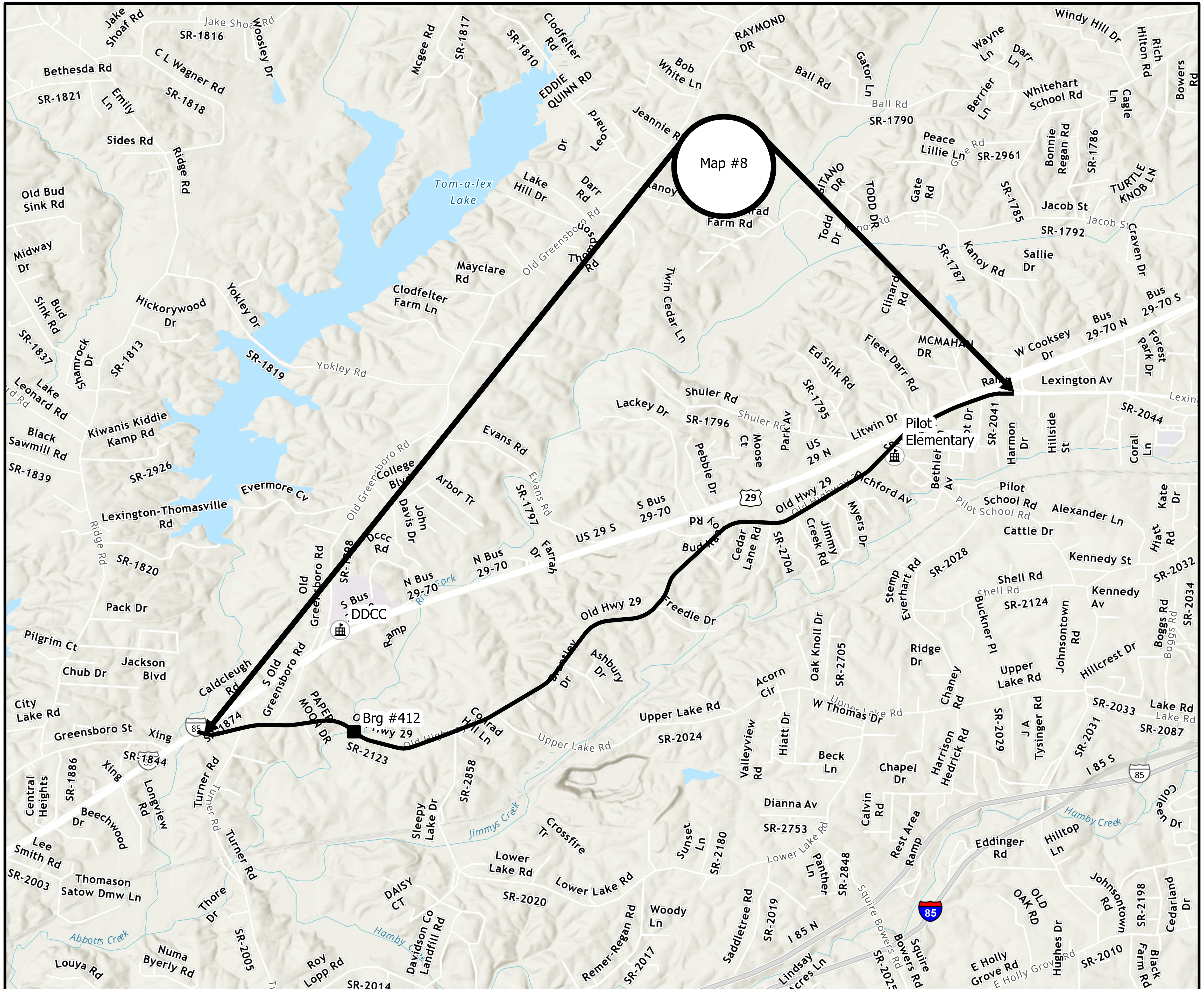
DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	6

Map#8 Old Hwy29 SR2123
From US29 to pvt joint at divide
Mill 0-11/2" incidental milling beginning, end and at all SR intersections
Mill 0-11/2" incidental milling across brg#412
Matcoat #67s entire width
DO NOT MATCOAT ACROSS BRIDGE DECK#412
Pave 11/2" S9.5C



Legend
- Davidson2024
- Bridges
- Schools

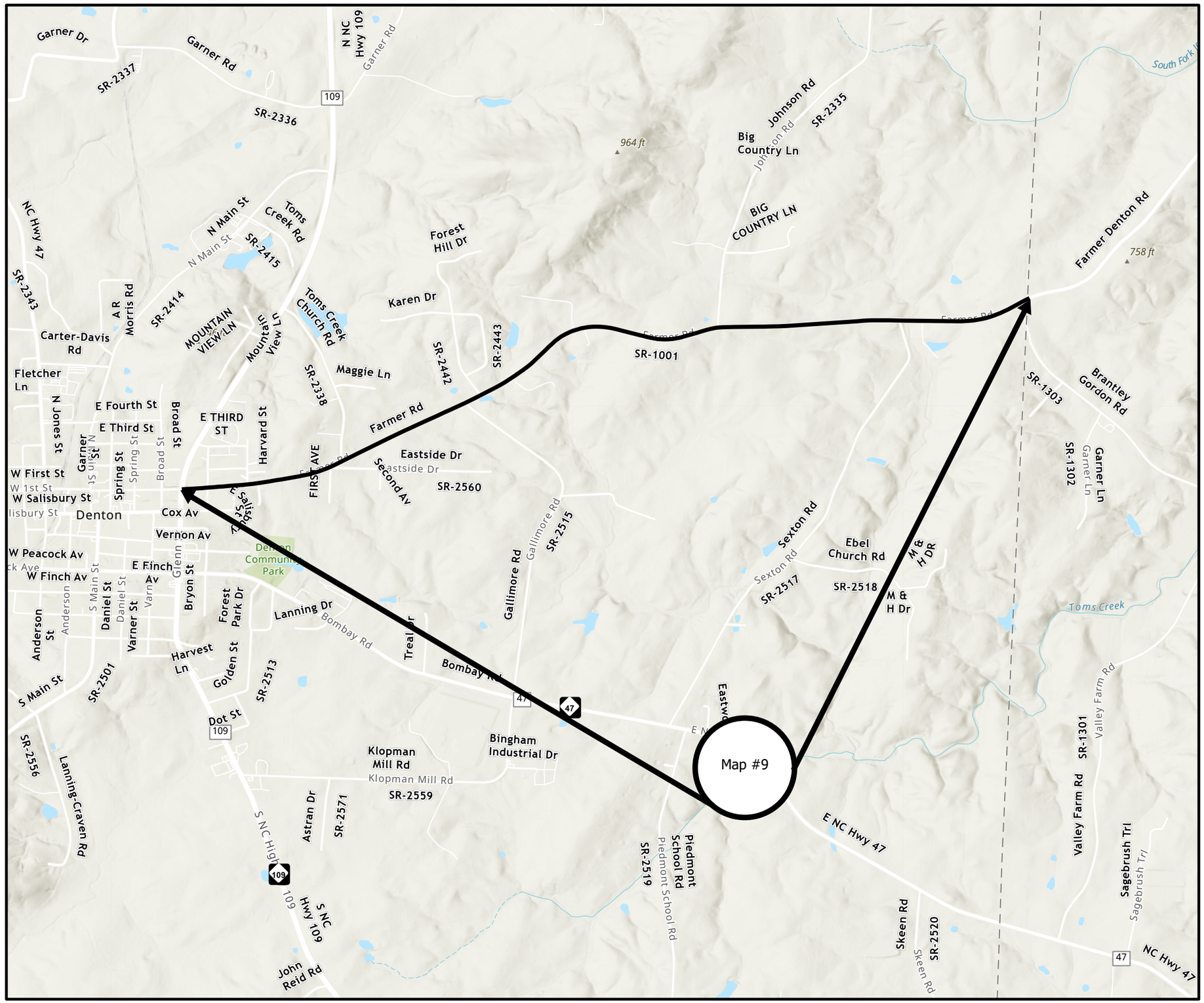
N

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	7

Map#9 Farmer Rd SR1001
From NC109 to Randolph County line
Mill 0-11/2" incidental milling beginning, end and a all SR intersections
Pave 11/2" S9.5B



Legend

Davidson2024

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	8

Map#10 S Snider St SR2507
From W Peacock Rd SR1002 to NC47
Mill 0-11/2" incidental milling beginning, end and at all SR intersections
Pave S9.5B

Map #12 S Main St SR2501
From NC47 to end of curb and gutter
Mill 11/2"-21/2" Or to curb reveal
Pave 11/2" S9.5B

Map #13 W Peacock Ave SR1002
From S Main St SR2501 to High Rock Rd SR1002
Mill 11/2" entire width
Pave S9.5B

Map #14 E Peacock Ave SR2511
From NC109 to S Main St SR2501
Mill 11/2" entire width
Pave S9.5B

Legend

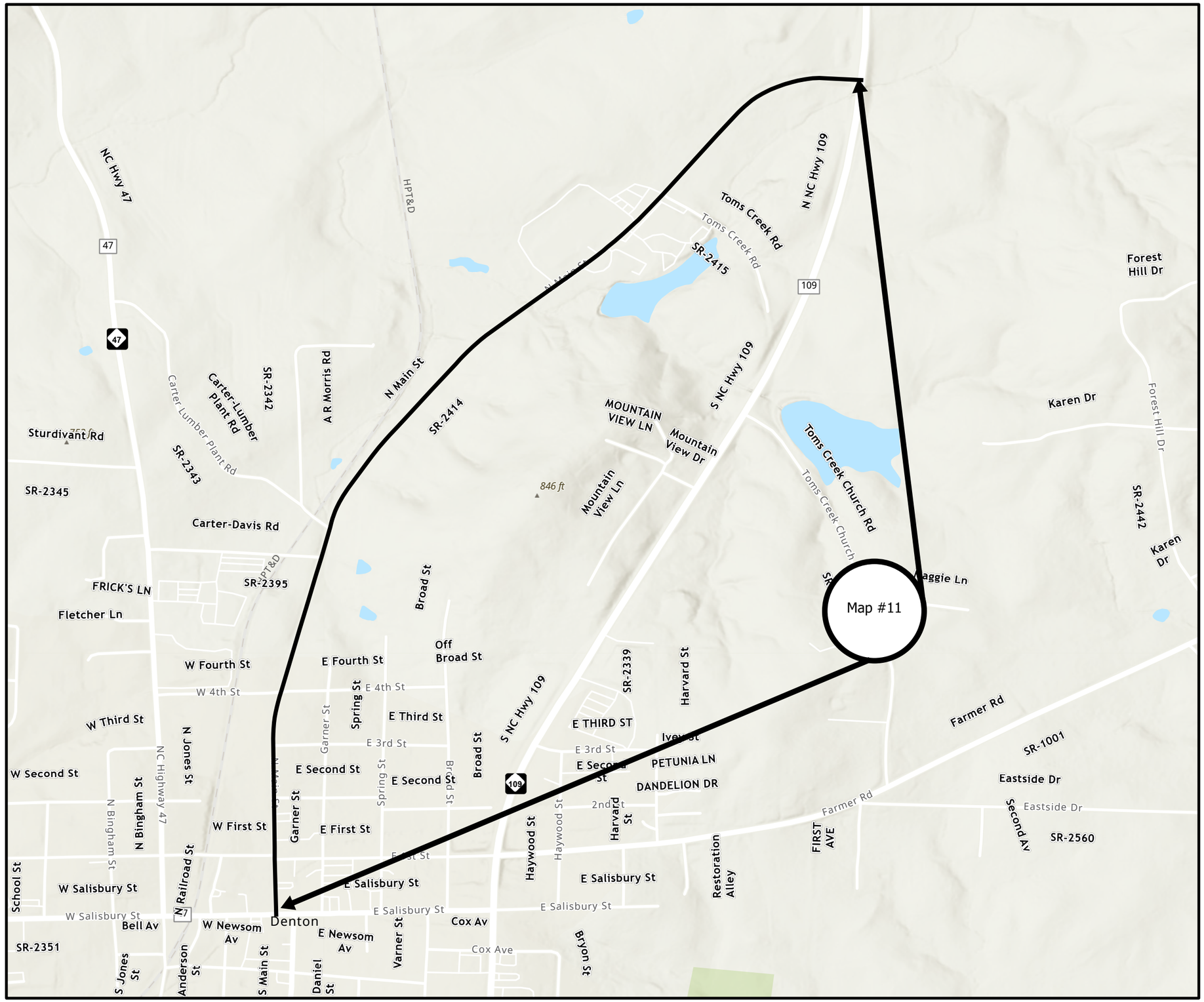
Davidson2024

DAVIDSON COUNTY

NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	9

Map#11 N Main St SR2414
From NC47 to NC109
Mill 0-3" or to 11/2" below curb line entire width in curb section
Mill 0-11/2" incidental milling beginning, end and at all SR intersections
Pave 11/2" S9.5B



Legend

Davidson2024

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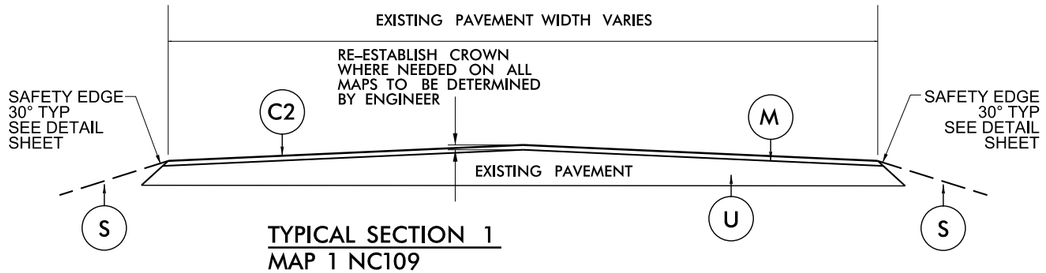
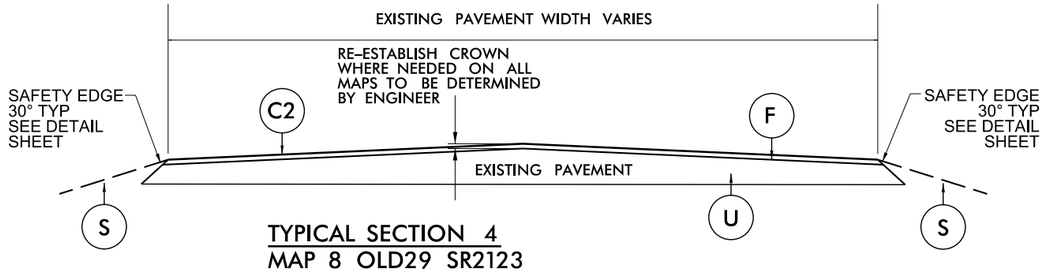
DAVIDSON COUNTY

NORTH CAROLINA

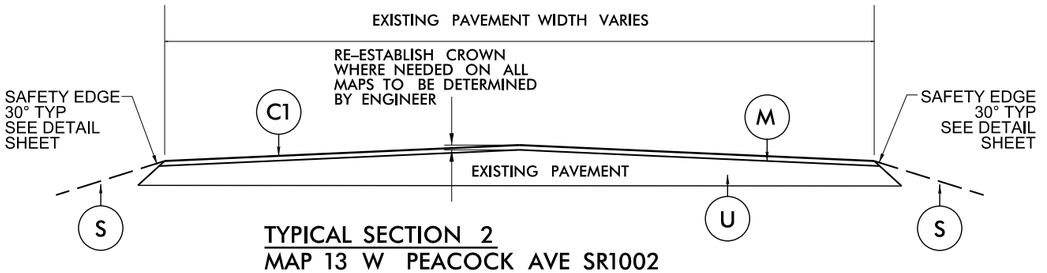
PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	10



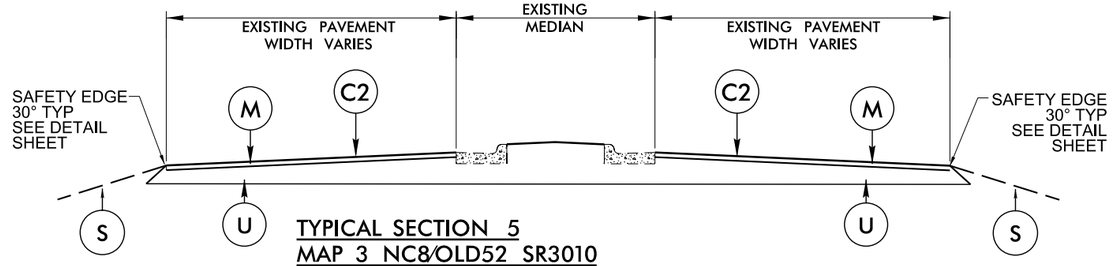
TYPICAL SECTION 1
MAP 1 NC109
MAP 2 NC8
MAP 3 NC8/OLD52 SR3010
MAP 4 OLD52 SR3010
MAP 5 OLD52 SR3010
MAP 6 OLD52 SR2932



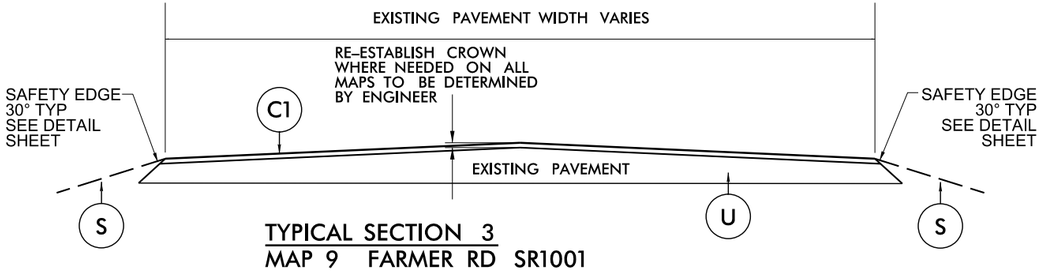
TYPICAL SECTION 4
MAP 8 OLD29 SR2123



TYPICAL SECTION 2
MAP 13 W PEACOCK AVE SR1002



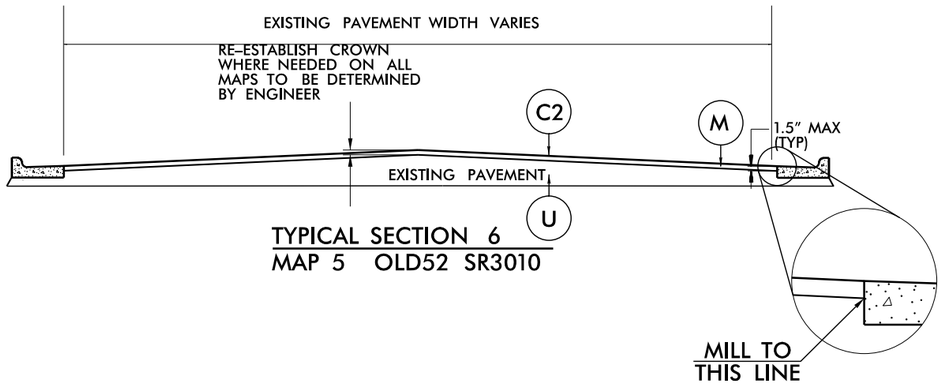
TYPICAL SECTION 5
MAP 3 NC8/OLD52 SR3010



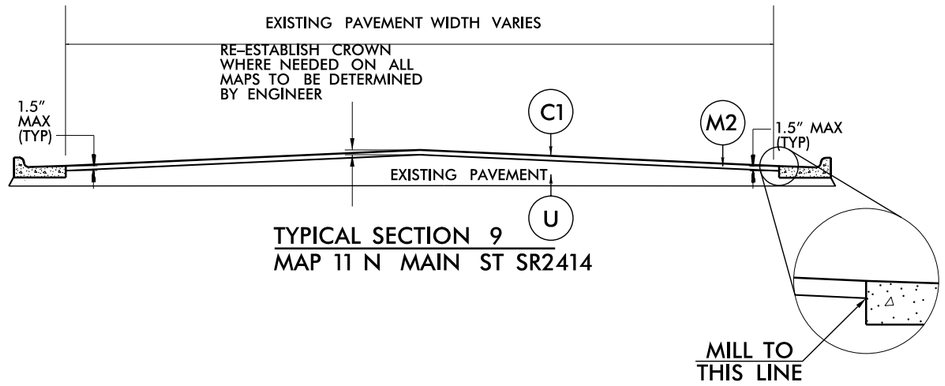
TYPICAL SECTION 3
MAP 9 FARMER RD SR1001
MAP 10 S SNIDER RD SR2507
MAP 11 N MAIN ST SR2414

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.
F	ASPHALT SURFACE TREAMENT, MATCOAT, #67M STONE TO BE APPLIED AT AN AVERAGE RATE OF 38 LBS PER SY YD, EMULSION RATE OF 0.40 GAL PER SY YD
M	MILL ASPHALT PAVEMENT, 1½" DEPTH
M1	MILL ASPHALT PAVEMENT, 2½"(OR DOWN TO CURB FLOW LINE) – 1½" IN THE CROWN
M2	MILL ASPHALT PAVEMENT, 0" AT THE CROWN TO APPROX 3" AT THE CURB LINE OR DOWN TO 1½" BELOW TOE OF CURB
M3	MILL ASPHALT PAVEMENT, 0–1½" DEPTH @7' WIDTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

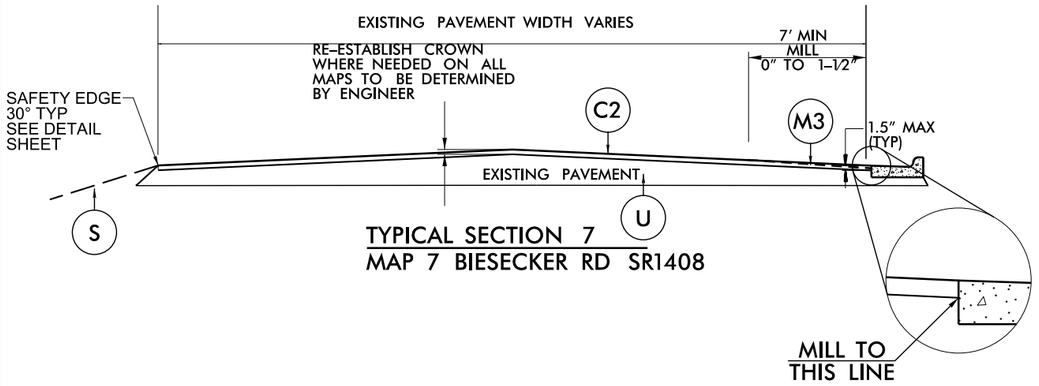
PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	11



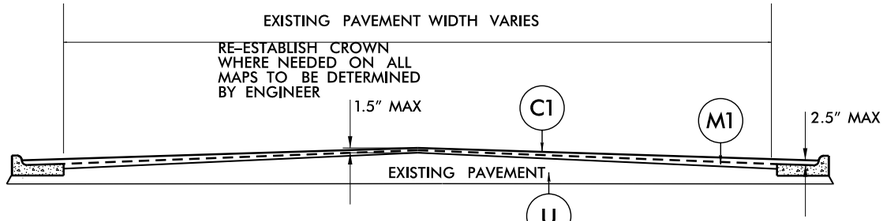
TYPICAL SECTION 6
MAP 5 OLD52 SR3010



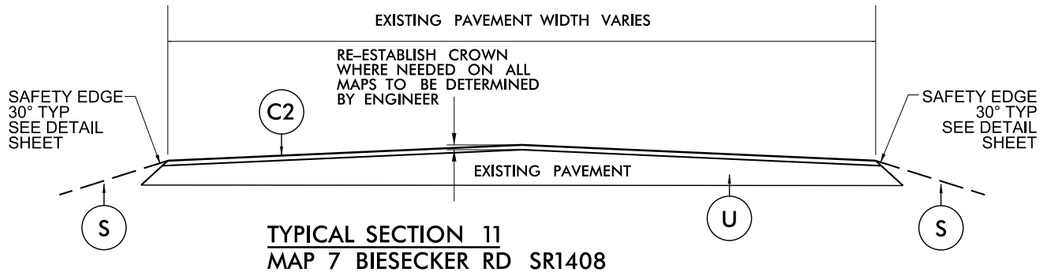
TYPICAL SECTION 9
MAP 11 N MAIN ST SR2414



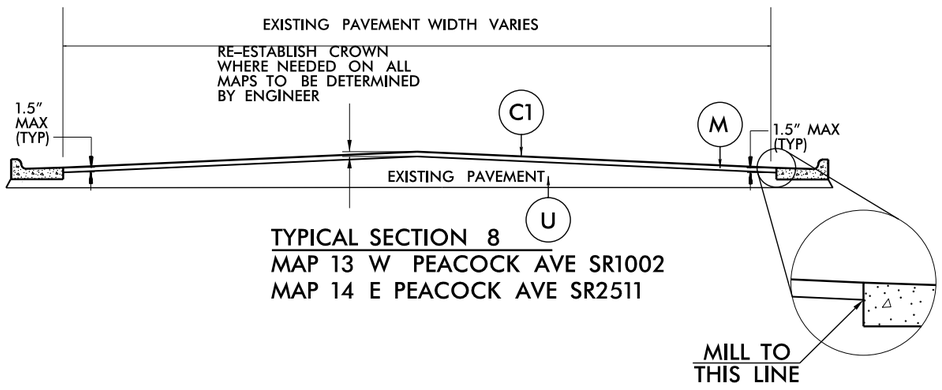
TYPICAL SECTION 7
MAP 7 BIESECKER RD SR1408



TYPICAL SECTION 10
MAP 12 S MAIN ST SR2501



TYPICAL SECTION 11
MAP 7 BIESECKER RD SR1408

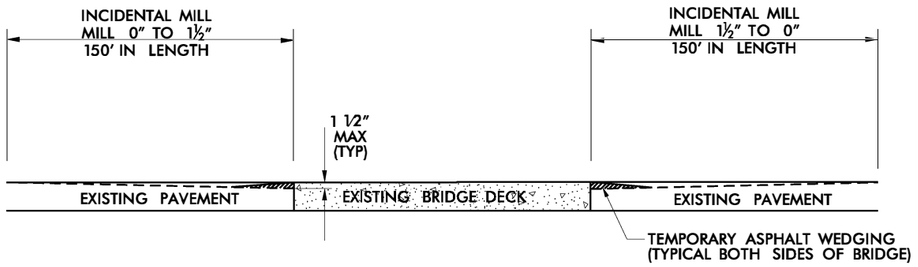


TYPICAL SECTION 8
MAP 13 W PEACOCK AVE SR1002
MAP 14 E PEACOCK AVE SR2511

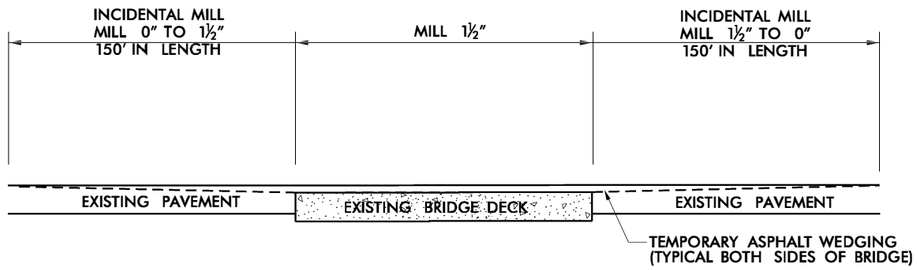
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.
F	ASPHALT SURFACE TREAMENT, MATCOAT, #67M STONE TO BE APPLIED AT AN AVERAGE RATE OF 38 LBS PER SY YD, EMULSION RATE OF 0.40 GAL PER SY YD
M	MILL ASPHALT PAVEMENT, 1½" DEPTH
M1	MILL ASPHALT PAVEMENT, 2½"(OR DOWN TO CURB FLOW LINE) – 1½" IN THE CROWN
M2	MILL ASPHALT PAVEMENT, 0" AT THE CROWN TO APPROX 3" AT THE CURB LINE OR DOWN TO 1½" BELOW TOE OF CURB
M3	MILL ASPHALT PAVEMENT, 0–1½" DEPTH @7' WIDTH
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

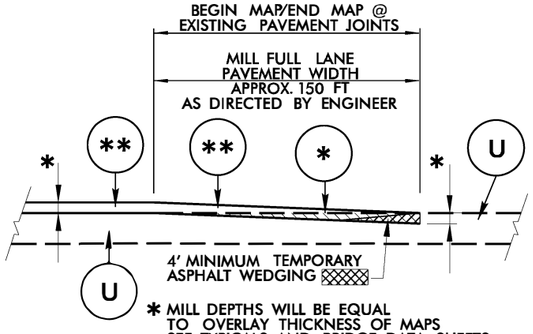
PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	12



INCIDENTAL MILLING BRIDGE APPROACHES
(SEE BRIDGE DATA SHEET)



INCIDENTAL MILLING BRIDGE APPROACHES
(SEE BRIDGE DATA SHEET)



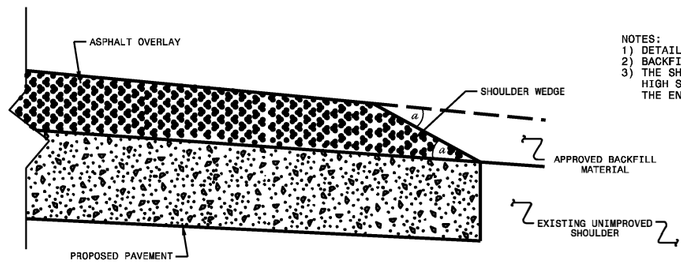
* MILL DEPTHS WILL BE EQUAL TO OVERLAY THICKNESS OF MAPS SEE TYPICALS AND BRIDGE DATA SHEETS

** MILL SR. Y–LINES APROX. 50' AS DIRECTED BY ENGINEER

*** SEE TYPICALS FOR MIX TYPE

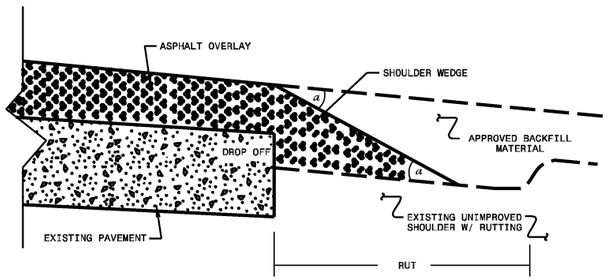
INCIDENTAL TIE–IN MILLING DETAIL

**** NOTE: MILL AND PAVE UP TO R x R ROW****

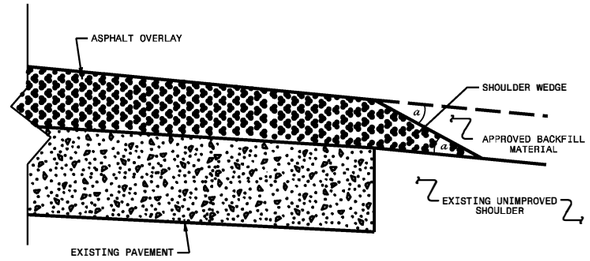


NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS DIRECTED BY THE ENGINEER.

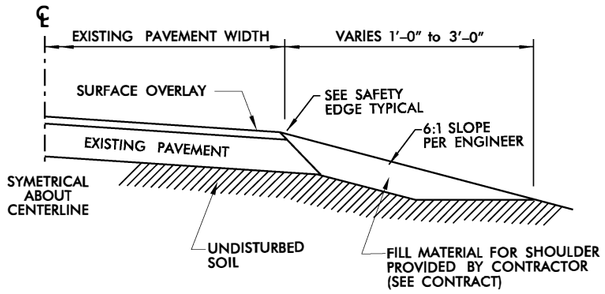
SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to Rutted Shoulder)

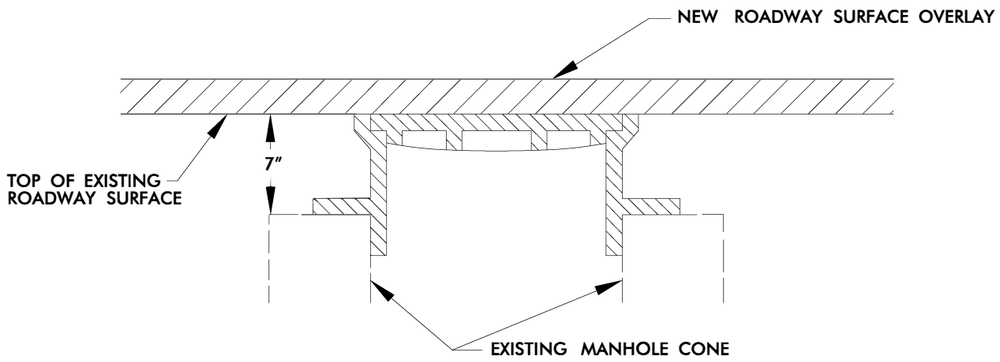


SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ NO Widening)

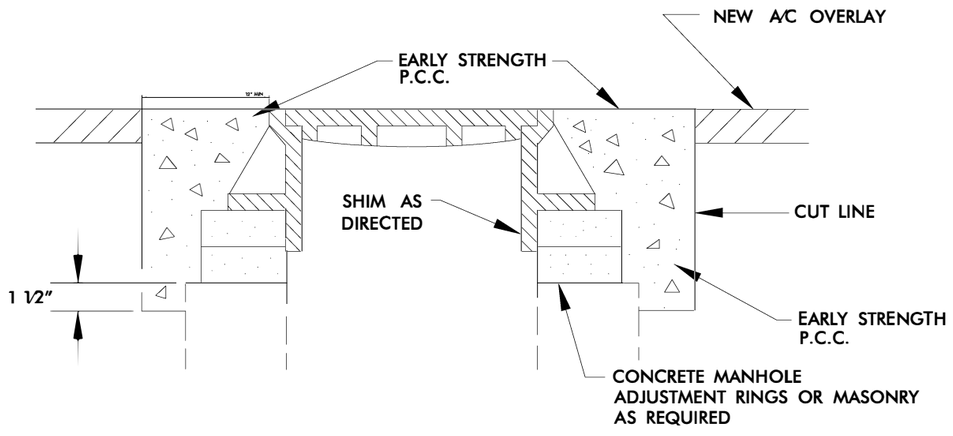


SHOULDER RECONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	13



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.
2024CPT.09.01.10291 2024CPT.09.02.20291	14

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
x	NC49	NC49	29	NC109	6-3/4"RC,4"AWS	28	42.667	14.167	133	NA	Mill an additional 0-11/2" under bridge for additional clearance, see sheet #12 Incidental Milling Bridge Approaches
x	NC8	NC8	513	US52	8.5"RC SLAB	80	55	16.833N, 17S	289	NA	Do not pave on concrete bridge deck
x	WSSB RR	WSSB RR	49	SR3010 Old US52				14.333	45	NA	Maintain clearance
x	SR2123	Old US29	412	Rich Fork Creek	PPCCS, PCBB, 3.5"AWS	29.5			152	NA	Mill and pave across bridge, DO NOT MATCOAT ACROSS brg
x	SR1822	Tall Pines Rd	94	Winston Salem S.B. RR		30.25			182	NA	Do not pave on concrete bridge deck

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.09.01.10291	17	
2024CPT.09.02.20291		

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	1220000000-E INCIDENTAL STONE BASE	1245000000-E SHOULDER RECONSTRUCTION	1260000000-E AGGREGATE SHOULDER BORROW	1297000000-E MILLING ASPHALT PAVEMENT, 11 /2"DEPTH	1308000000-E MILLING ASPHALT PAVEMENT, 0"TO 1 1/2" DEPTH	1308000000-E MILLING ASPHALT PAVEMENT, 0"TO 3" DEPTH	1308000000-E MILLING ASPHALT PAVEMENT, 1 1/2"TO 2 1/2"	1330000000-E INCIDENTAL MILLING	1519000000-E SURFACE COURSE, S9.5B	1523000000-E SURFACE COURSE, S9.5C	1575000000-E ASPHALT BINDER FOR PLANT MIX	1704000000-E PATCHING EXISTING PAVEMENT	1775500000-E ASPHALT SURFACE TREATMENT, MATCOAT, #67M STONE	1838000000-E EMULSION FOR ASPHALT SURFACE TREATMENT	2815000000-N ADJ. OF DROP INLET	2830000000-N ADJ. OF MANHOLES	2845000000-N ADJ. OF METER OR VALVE BOX	6000000000-E TEMPORARY SILT FENCE	6071010000-E WATTLE
										MI	FT			TONS	SMI	TONS	SY	SY	SY	SY	SY	TONS	TONS	TONS	TONS	SY	GAL	EA	EA	EA	LF	LF
2024CPT.09.01.10291	Davidson	1	NC-109	FROM PVT JOINT AT NC49 TO PVT JOINT AT KLOPMAN RD SR2559	1	2	2WU	NO	NO	4.5	25-29	8	3.5	250	9.00	1,737	66,252				4,810		6,640	392	10						1,800	180
TOTAL FOR MAP NO. 1										**4.5**				**250**	**9.00**	**1,737**	**66,252**				**4,810**		**6,640**	**392**	**10**						**1,800**	**180**
2024CPT.09.01.10291	Davidson	2	NC-8	FROM PROJ# U5757 LIMITS AT ARRINGTON DR SR1846 TO SR 1841 CITY LAKE RD	1	2,3	MU	NO	NO	1.46	30-38	32.4	33.86		2.92	564	29,755				2,881		2,705	160	10					30	584	58
TOTAL FOR MAP NO. 2										**1.46**					**2.92**	**564**	**29,755**				**2,881**		**2,705**	**160**	**10**					**30**	**584**	**58**
2024CPT.09.01.10291	Davidson	3	NC-8	FROM SR1841 CITY LAKE RD TO HOLIDAY DR SR1901	1,5	2,5	MD	NO	NO	0.438	38-57	33.86	34.298		0.88	169	23,585				5,654		2,823	167	10						175	18
TOTAL FOR MAP NO. 3										**0.438**					**0.88**	**169**	**23,585**				**5,654**		**2,823**	**167**	**10**						**175**	**18**
TOTAL FOR PROJ NO. 2024CPT.09.01.10291										**6.398**				**250**	**12.80**	**2,470**	**119,592**				**13,345**		**12,168**	**719**	**30**					**30**	**2,559**	**256**
2024CPT.09.02.20291	Davidson	4	SR-3010 / OLD US HWY 52	FROM HOLIDAY DR SR1901 TO CHARLIE HINKLE RD SR1825	1	2,3	2WU	NO	NO	1.935	30-40	0.385	2.32	36	3.87	747	48,889				3,334		5,018	297	10					54	774	77
TOTAL FOR MAP NO. 4										**1.935**				**36**	**3.87**	**747**	**48,889**				**3,334**		**5,018**	**297**	**10**					**54**	**774**	**77**
2024CPT.09.02.20291	Davidson	5	SR-3010 / OLD US HWY 52	FROM CHARLIE HINKLE RD SR1825 TO PAVT JOINT SOUTH OF ENTERPRISE RD SR1499	1,6	2,3	MU	NO	NO	2.48	30-33	2.32	4.8	50	4.96	957	46,034				1,875		4,443	263	10					32	992	99
TOTAL FOR MAP NO. 5										**2.48**				**50**	**4.96**	**957**	**46,034**				**1,875**		**4,443**	**263**	**10**					**32**	**992**	**99**
2024CPT.09.02.20291	Davidson	6	SR-2932 / OLD US HWY 52	FROM PVT JOINT SOUTH OF WILLOW OAK DR SR1812 TO FORSYTH COUNTY LINE	1	2,3	MU	NO	NO	4.286	24.5-49	0.25	4.536	165	8.57	1,654	62,722				5,561		7,177	424	10					26	1,714	171
TOTAL FOR MAP NO. 6										**4.286**				**165**	**8.57**	**1,654**	**62,722**				**5,561**		**7,177**	**424**	**10**					**26**	**1,714**	**171**
2024CPT.09.02.20291	Davidson	7	SR-1408 / BIESECKER RD	FROM PROJ# U5757 LIMITS AT NC8 TO PVT JOINT AT W CENTER ST SR1242	7,11	2,3	2WU	NO	NO	1.22	25	0.02	1.24	15	2.44	471		272			1,666		1,694	100	10				20	28	488	49
TOTAL FOR MAP NO. 7										**1.22**				**15**	**2.44**	**471**		**272**			**1,666**		**1,694**	**100**	**10**				**20**	**28**	**488**	**49**
2024CPT.09.02.20291	Davidson	8	SR-2123 / OLD HWY 29	FROM US29 TO PVT JOINT AT DIVIDE	4	2	2WU	NO	NO	4.85	24.5-49	0	4.85	255	9.70	1,872					6,540		6,854	405	10	71,220	28,488			28	1,940	194
TOTAL FOR MAP NO. 8										**4.85**				**255**	**9.70**	**1,872**					**6,540**		**6,854**	**405**	**10**	**71,220**	**28,488**			**28**	**1,940**	**194**
2024CPT.09.02.20291	Davidson	9	SR-1001 / FARMER RD	FROM NC109 TO RANDOLPH COUNTY LINE	3	2	2WU	NO	NO	2.855	23	0	2.855	190	5.71	1,102					2,914	3,894		254	10					4	1,142	114
TOTAL FOR MAP NO. 9										**2.855**				**190**	**5.71**	**1,102**					**2,914**	**3,894**		**254**	**10**					**4**	**1,142**	**114**
2024CPT.09.02.20291	Davidson	10	SR-2507 / S SNIDER ST	FROM W. PEACOCK RD SR1002 TO NC47	3	2	2WU	NO	NO	0.307	20-29.5	0	0.307	15	0.61	119					667	329		22	10					1		123	12
TOTAL FOR MAP NO. 10										**0.307**				**15**	**0.61**	**119**					**667**	**329**		**22**	**10**					**1**		**123**	**12**
2024CPT.09.02.20291	Davidson	11	SR-2414 / N MAIN ST	FROM NC47 TO NC109	3,9	2	2WU	NO	NO	1.625	24-41	0	1.625	60	2.17	465			9,794		1,958	2,653		173	10					12	14	488	49
TOTAL FOR MAP NO. 11										**1.625**				**60**	**2.17**	**465**			**9,794**		**1,958**	**2,653**		**173**	**10**					**12**	**14**	**488**	**49**
2024CPT.09.02.20291	Davidson	12	SR-2501 / S MAIN ST	FROM NC47 TO END OF CURB AND GUTTER	10	2	2WU	NO	NO	0.35	49	8.6	8.95							16,121		1,557		102	10				1	7	9		
TOTAL FOR MAP NO. 12										**0.35**										**16,121**		**1,557**		**102**	**10**				**1**	**7**	**9**		
2024CPT.09.02.20291	Davidson	13	SR-1002 / W PEACOCK AV	FROM S MAIN ST SR2501 TO HIGH ROCK RD SR1002	2,8	2	2WU	NO	NO	0.595	24-43	0	0.595	60	1.19	230	8,327				176	807		53	10					20	12	238	24
TOTAL FOR MAP NO. 13										**0.595**				**60**	**1.19**	**230**	**8,327**				**176**	**807**		**53**	**10**					**20**	**12**	**238**	**24**
2024CPT.09.02.20291	Davidson	14	SR-2511 / E PEACOCK AV	FROM NC109 TO S MAIN ST SR2501	8	2	2WU	NO	NO	0.256	38	0	0.256				5,707					520		34	10					10	12		
TOTAL FOR MAP NO. 14										**0.256**							**5,707**					**520**		**34**	**10**					**10**	**12**		
TOTAL FOR PROJ NO. 2024CPT.09.02.20291										**20.759**				**846**	**39.22**	**7,617**	**171,679**	**272**	**9,794**	**16,121**	**24,691**	**9,760**	**25,186**	**2,127**	**110**	**71,220**	**28,488**	**1**	**70**	**219**	**7,899**	**789**
																			26,187													
GRAND TOTAL										27.157				**1,096**	**52.02**	**10,087**	**291,271**	**272**	**9,794**	**16,121**	**38,036**	**9,760**	**37,354**	**2,846**	**140**	**71,220**	**28,488**	**1**	**70**	**249**	**10,458**	**1,045**
																			26,187													

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

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.09.01.10291	18	
2024CPT.09.02.20291		

THERMOPLASTIC AND PAINT QUANTITIES

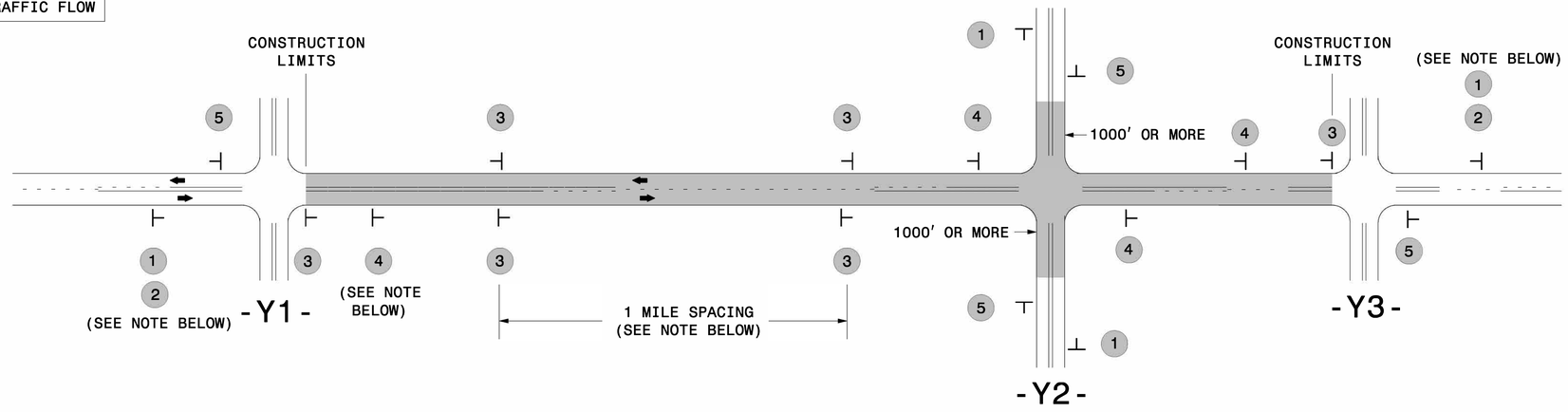
													4413000000-E	4457000000-N	4685000000-E		4688000000-E		4695000000-E	4704000000-E	4709000000-E	4720000000-E			4725000000-E					4810000000-E		4820000000-E	4830000000-E	4835000000-E	4840000000-N			4845000000-N					4905100000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/ GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	8" X 90 M YELLOW THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS)	24" X 90 M WHITE THERMO	THERMO RXR 90 M	THERMO MSG ONLY 90 M	THERMO MSG SCHOOL 90 M	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO RT ARROW 90 M	THERMOPLASTIC PAVEMENT MARKING SYMBOL 12" YIELD LINE TRIANGLE	4" WHITE PAINT	4" YELLOW PAINT	8" YELLOW PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG RXR	PAINT MSG ONLY	PAINT MSG SCHOOL	PAINT LT ARROW	PAINT STR ARROW	PAINT STR & RT ARROW	PAINT RT ARROW	NON-CAST IRON SNOWPLOW-ABLE PAVEMENT MARKER
								MI	FT			SF	LS	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA
2024CPT.09.01.10291	Davidson	1	NC-109	FROM PVT JOINT AT NC49 TO PVT JOINT AT KLOPMAN RD SR2559	1	2	2WU	4.5	25-29	8	3.5	505	1			46,766	46,766			110									46,766	46,766			110									300
TOTAL FOR MAP NO. 1								**4.5**				**505**	**1**			**46,766**	**46,766**			**110**									**46,766**	**46,766**			**110**									**300**
2024CPT.09.01.10291	Davidson	2	NC-8	FROM PROJ# U5757 LIMITS AT ARRINGTON DR SR1846 TO SR 1841 CITY LAKE RD	1	2,3	MU	1.46	30-38	32.4	33.86	215		15,226	16,292			159	40	258	2	4		9	1	2			15,526	16,592	159	90	258	2	4		9	1	2		135
TOTAL FOR MAP NO. 2								**1.46**				**215**		**15,226**	**16,292**			**159**	**40**	**258**	**2**	**4**		**9**	**1**	**2**			**15,526**	**16,592**	**159**	**90**	**258**	**2**	**4**		**9**	**1**	**2**		**135**
2024CPT.09.01.10291	Davidson	3	NC-8	FROM SR1841 CITY LAKE RD TO HOLIDAY DR SR1901	1,5	2,5	MD	0.438	38-57	33.86	34.298	31		4,586	4,314			274		192		4		17	15	2	8		4,586	4,314	274		192		4		17	15	2	8	120
TOTAL FOR MAP NO. 3								**0.438**				**31**		**4,586**	**4,314**			**274**		**192**		**4**		**17**	**15**	**2**	**8**		**4,586**	**4,314**	**274**		**192**		**4**		**17**	**15**	**2**	**8**	**120**
TOTAL FOR PROJ NO. 2024CPT.09.01.10291								**6.398**				**751**	**1.000**	**19,812**	**20,606**	**46,766**	**46,766**	**433**	**40**	**560**	**2**	**8**		**26**	**16**	**4**	**8**		**66,878**	**67,672**	**433**	**90**	**560**	**2**	**8**		**26**	**16**	**4**	**8**	**555**
														40,418		**93,532**					**10**			**54**					**134,550**					**10**			**54**				
2024CPT.09.02.20291	Davidson	4	SR-3010 / OLD US HWY 52	FROM HOLIDAY DR SR1901 TO CHARLIE HINKLE RD SR1825	1	2,3	2WU	1.935	30-40	0.385	2.32	217		19,160	27,460			120		110			6	2					19,160	27,460	120		110			6	2				
TOTAL FOR MAP NO. 4								**1.935**				**217**		**19,160**	**27,460**			**120**		**110**			**6**	**2**					**19,160**	**27,460**	**120**		**110**			**6**	**2**				
2024CPT.09.02.20291	Davidson	5	SR-3010 / OLD US HWY 52	FROM CHARLIE HINKLE RD SR1825 TO PAVT JOINT SOUTH OF ENTERPRISE RD SR1499	1,6	2,3	MU	2.48	30-33	2.32	4.8	126		14,963	29,523			440		581			24	37	6	6	1		14,963	29,523	440		581			24	37	6	6	1	
TOTAL FOR MAP NO. 5								**2.48**				**126**		**14,963**	**29,523**			**440**		**581**			**24**	**37**	**6**	**6**	**1**		**14,963**	**29,523**	**440**		**581**			**24**	**37**	**6**	**6**	**1**	
2024CPT.09.02.20291	Davidson	6	SR-2932 / OLD US HWY 52	FROM PVT JOINT SOUTH OF WILLOW OAK DR SR1812 TO FORSYTH COUNTY LINE	1	2,3	MU	4.286	24.5-49	0.25	4.536	490		46,974	50,036			120	360	374	8			17	7		8	7	46,974	50,036	120	360	374	8			17	7		8	
TOTAL FOR MAP NO. 6								**4.286**				**490**		**46,974**	**50,036**			**120**	**360**	**374**	**8**			**17**	**7**		**8**	**7**	**46,974**	**50,036**	**120**	**360**	**374**	**8**			**17**	**7**		**8**	
2024CPT.09.02.20291	Davidson	7	SR-1408 / BIESECKER RD	FROM PROJ# U5757 LIMITS AT NC8 TO PVT JOINT AT W CENTER ST SR1242	7,11	2,3	2WU	1.22	25	0.02	1.24	125		11,400	11,650			60	130	363	4		12	1			2														
TOTAL FOR MAP NO. 7								**1.22**				**125**		**11,400**	**11,650**			**60**	**130**	**363**	**4**		**12**	**1**			**2**														
2024CPT.09.02.20291	Davidson	8	SR-2123 / OLD HWY 29	FROM US29 TO PVT JOINT AT DIVIDE	4	2	2WU	4.85	24.5-49	0	4.85	550		50,820	50,820					220			12																		
TOTAL FOR MAP NO. 8								**4.85**				**550**		**50,820**	**50,820**					**220**			**12**																		
2024CPT.09.02.20291	Davidson	9	SR-1001 / FARMER RD	FROM NC109 TO RANDOLPH COUNTY LINE	3	2	2WU	2.855	23	0	2.855	320				30,720	30,720																								
TOTAL FOR MAP NO. 9								**2.855**				**320**				**30,720**	**30,720**																								
2024CPT.09.02.20291	Davidson	10	SR-2507 / S SNIDER ST	FROM W. PEACOCK RD SR1002 TO NC47	3	2	2WU	0.307	20-29.5	0	0.307	35		3,303	3,303																											
TOTAL FOR MAP NO. 10								**0.307**				**35**		**3,303**	**3,303**																											
2024CPT.09.02.20291	Davidson	11	SR-2414 / N MAIN ST	FROM NC47 TO NC109	3,9	2	2WU	1.625	24-41	0	1.625			12,664	16,964				80	125	4			1			1															
TOTAL FOR MAP NO. 11								**1.625**						**12,664**	**16,964**				**80**	**125**	**4**			**1**			**1**															
2024CPT.09.02.20291	Davidson	12	SR-2501 / S MAIN ST	FROM NC47 TO END OF CURB AND GUTTER	10	2	2WU	0.35	49	8.6	8.95	65		475	5,922					30				2			2		475	5,922			30				2				2
TOTAL FOR MAP NO. 12								**0.35**				**65**		**475**	**5,922**					**30**				**2**			**2**		**475**	**5,922**			**30**				**2**				**2**
2024CPT.09.02.20291	Davidson	13	SR-1002 / W PEACOCK AV	FROM S MAIN ST SR2501 TO HIGH ROCK RD SR1002	2,8	2	2WU	0.595	24-43	0	0.595	130		5,618	6,118				180	337	4		12						5,616	6,118		180	337	4		12					
TOTAL FOR MAP NO. 13								**0.595**				**130**		**5,618**	**6,118**				**180**	**337**	**4**		**12**						**5,616**	**6,118**		**180**	**337**	**4**		**12**					
2024CPT.09.02.20291	Davidson	14	SR-2511 / E PEACOCK AV	FROM NC109 TO S MAIN ST SR2501	8	2	2WU	0.256	38	0	0.256	130		90	2,632					49			1			1			90	2,632			49				1		1		
TOTAL FOR MAP NO. 14								**0.256**				**130**		**90**	**2,632**					**49**			**1**			**1**			**90**	**2,632**			**49**				**1**		**1**		
TOTAL FOR PROJ NO. 2024CPT.09.02.20291								**20.759**				**2,188**		**165,467**	**204,428**	**30,720**	**30,720**	**740**	**750**	**2,189**	**20**		**66**	**61**	**13**	**14**	**7**		**87,278**	**121,691**	**680**	**540**	**1,481**	**12**		**42**	**59**	**13**	**7**	**11**	
														369,895		**61,440**					**86**			**102**					**208,969**					**54**			**90**				
GRAND TOTAL								27.157				**2,939**	**1.000**	**185,279**	**225,034**	**77,486**	**77,486**	**1,173**	**790**	**2,749**	**22**	**8**	**66**	**87**	**29**	**11**	**22**	**7**	**154,156**	**189,363**	**1,113**	**630**	**2,041**	**14**	**8**	**42**	**85**	**29**	**11**	**19**	**555**
														410,313		**154,972**					**96**			**156**					**343,519**					**64**			**144**				

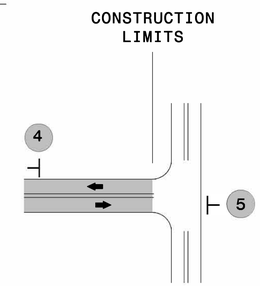
Note: All quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities recieved

PROJ. REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.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 — ROAD WORK AHEAD, W20-1, 48″ X 48″
2 — 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 — LOWSOFT 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.

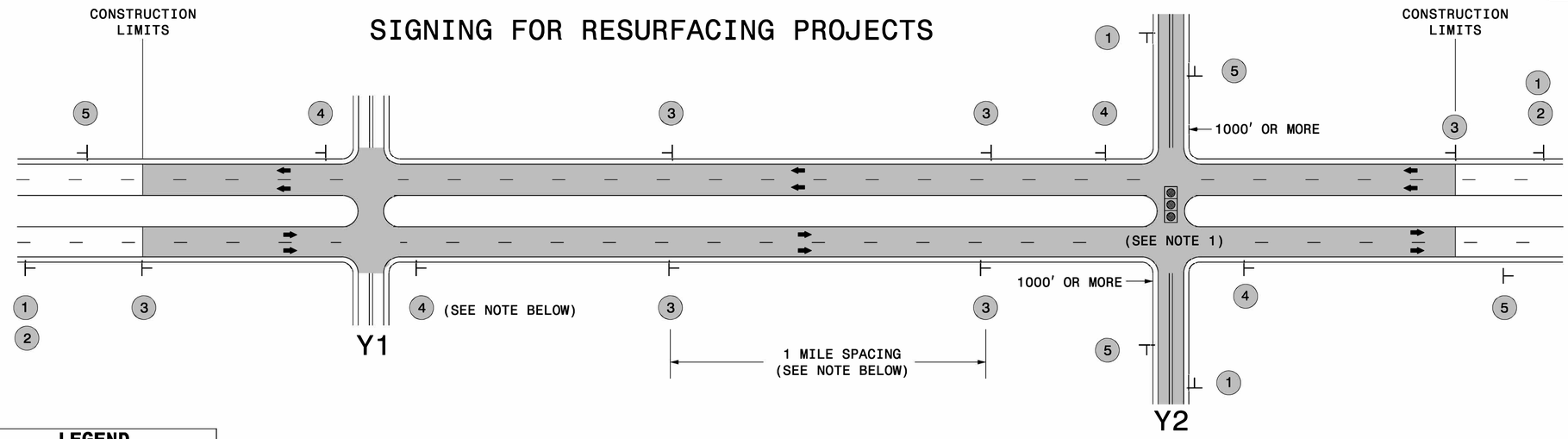
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

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

5/15/2017
S:\TMD\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:kedds

PROJ. REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	TMP-2

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
C:\Users\rmgarrett\Downloads\Resurfacing_AdvWarn_UrSu_Shldr.dgn
User:rmgarrett

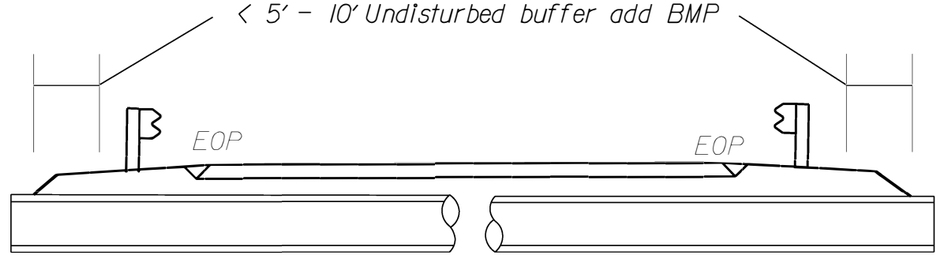
PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	EC-1

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

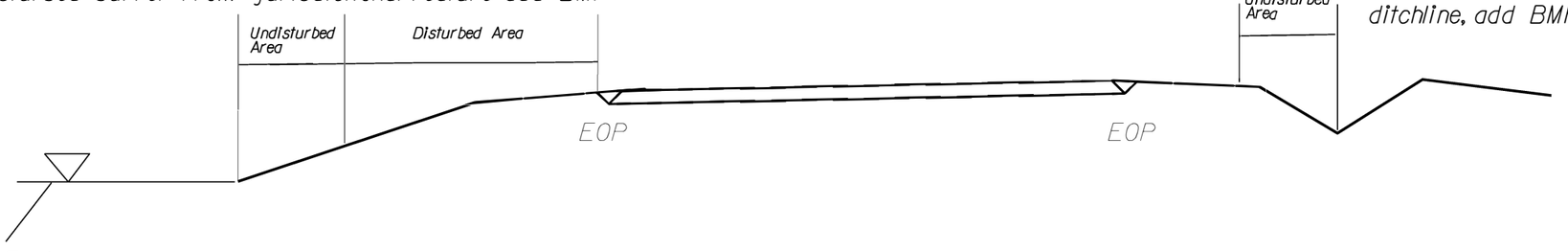
< 5' – 10' Undisturbed buffer add BMP



Pipe/Culvert

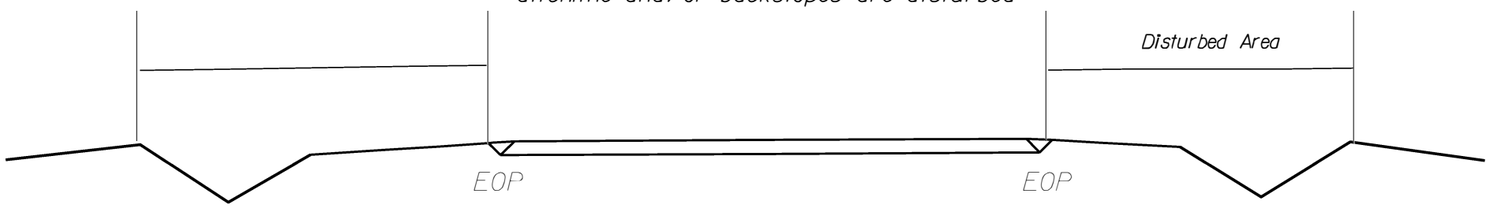
< 5' – 10' Undisturbed buffer from jurisdictional feature add BMP

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

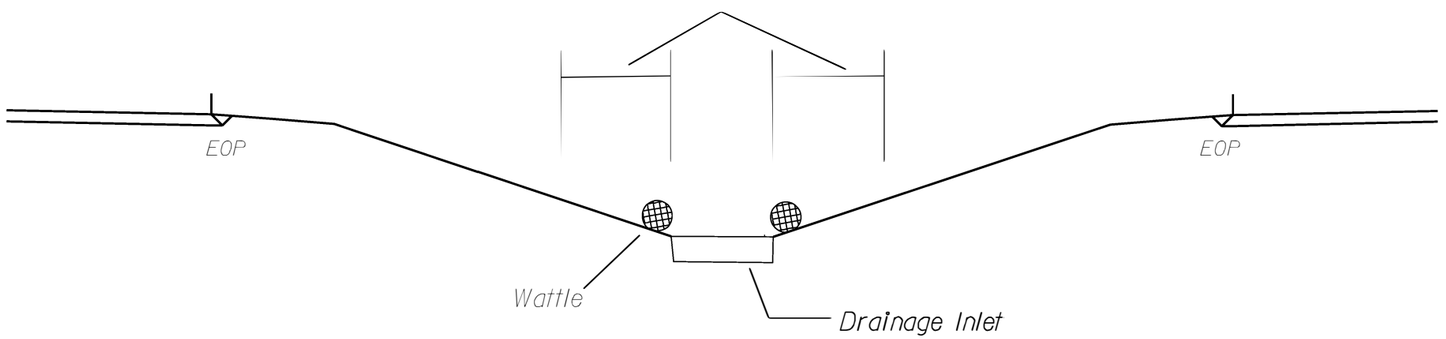


Jurisdictional Feature

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



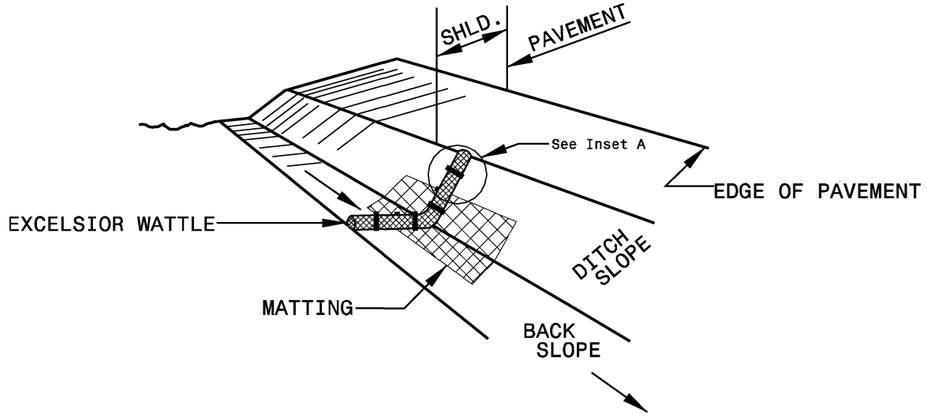
< 5' – 10' Undisturbed buffer from inlet, add wattle



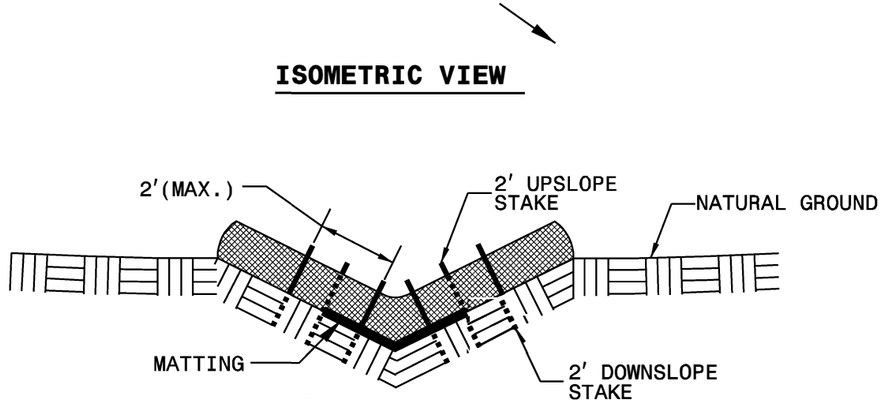
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.09.01.10291 2024CPT.09.02.20291	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

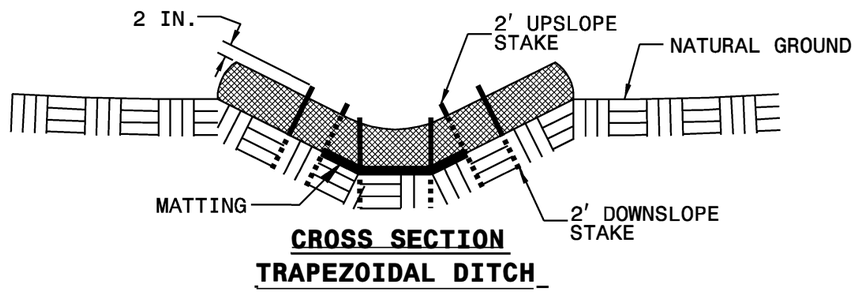
WATTLE DETAIL



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.

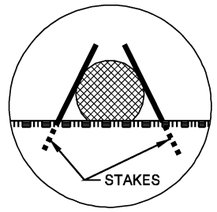
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

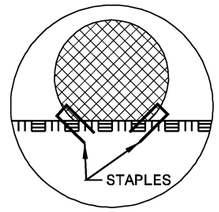
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

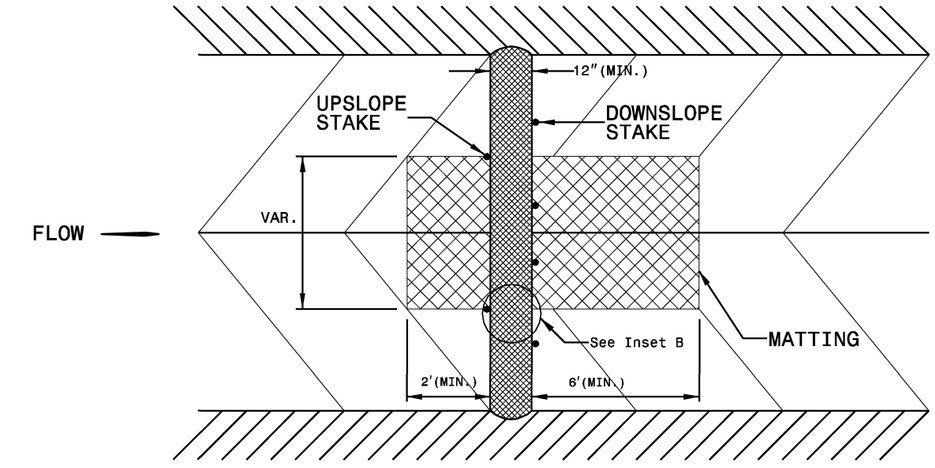
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW