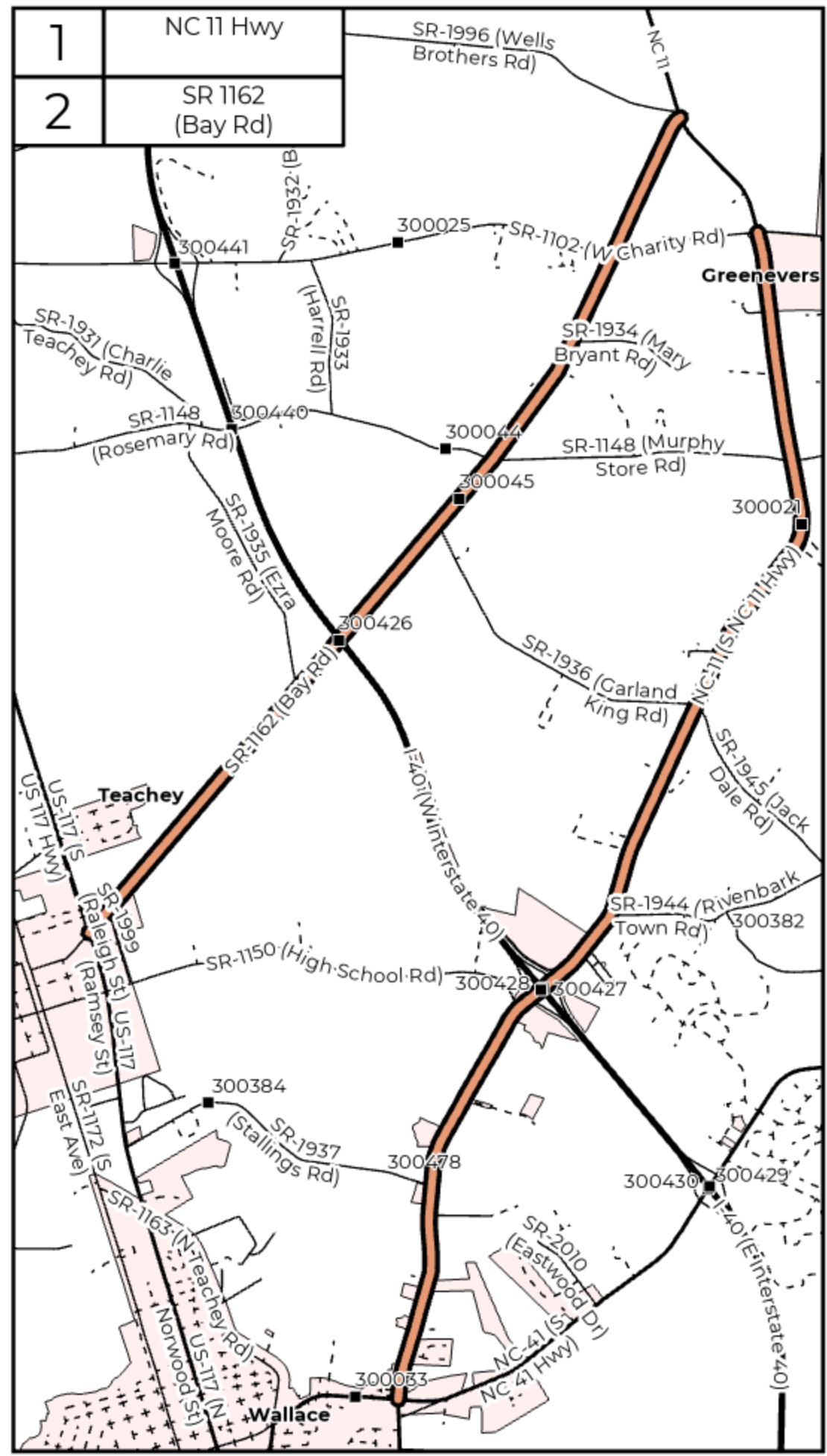
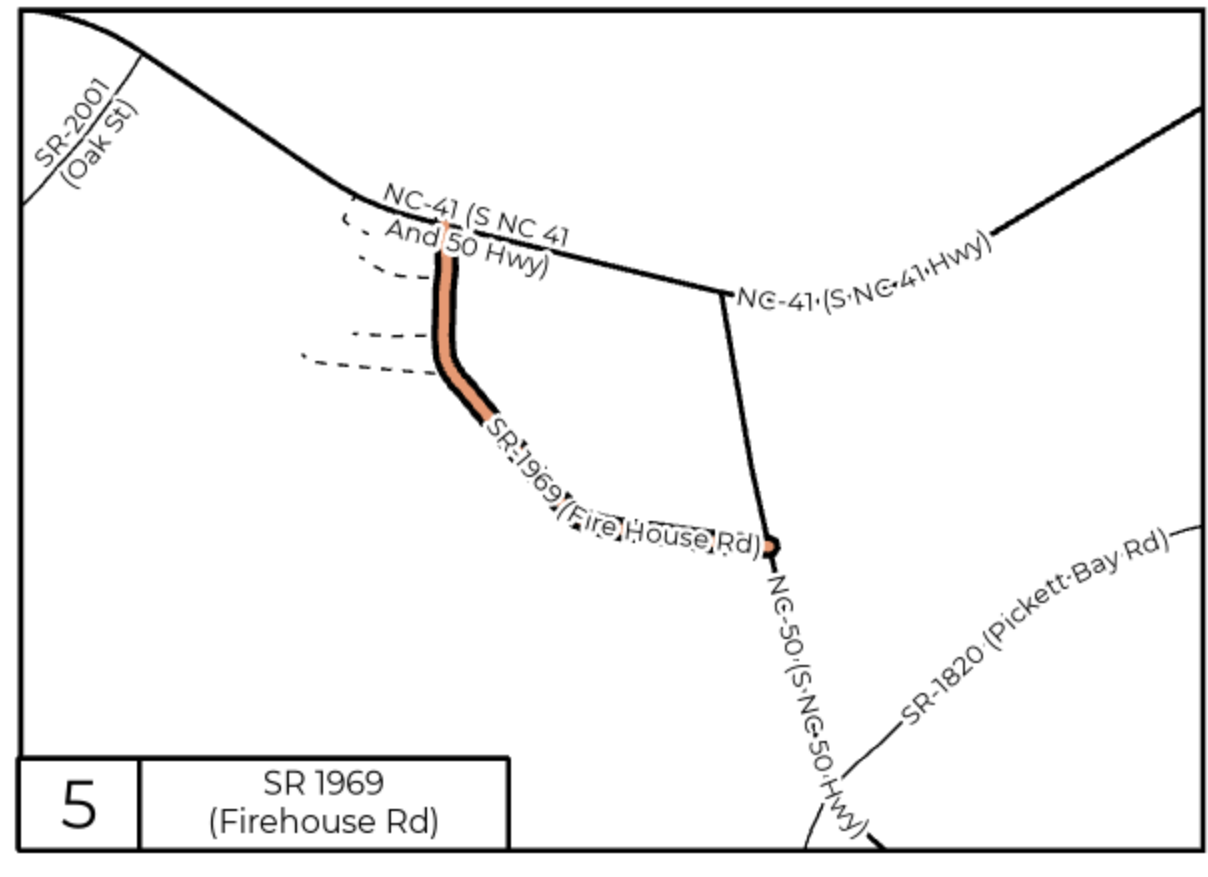
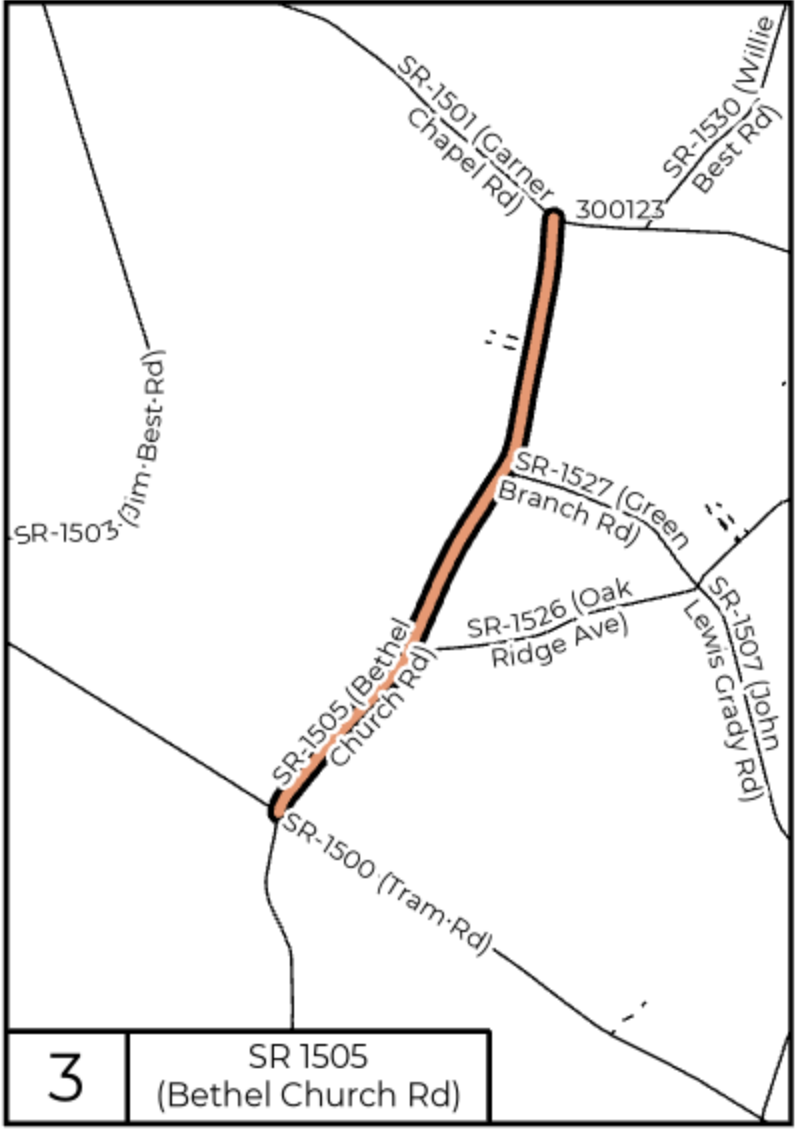
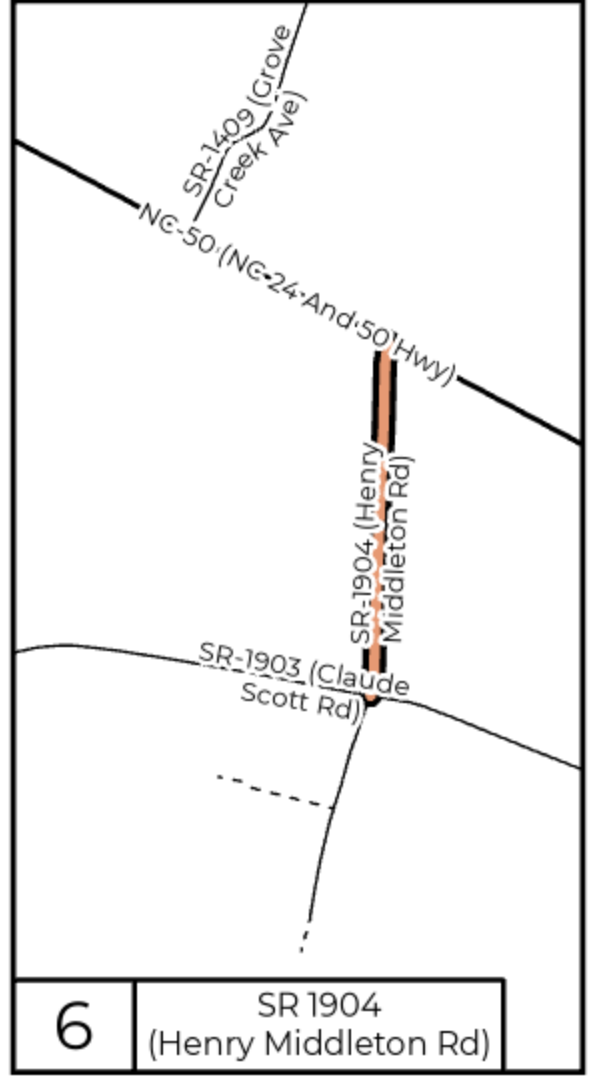
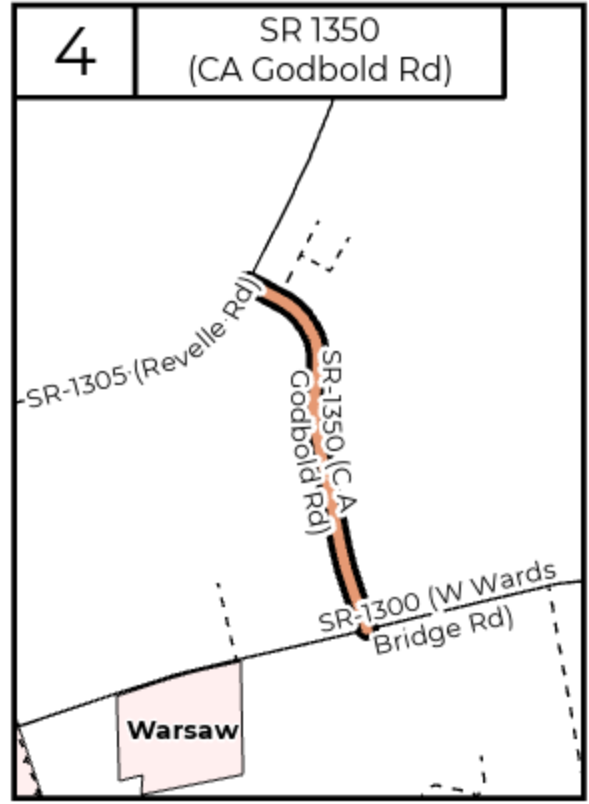
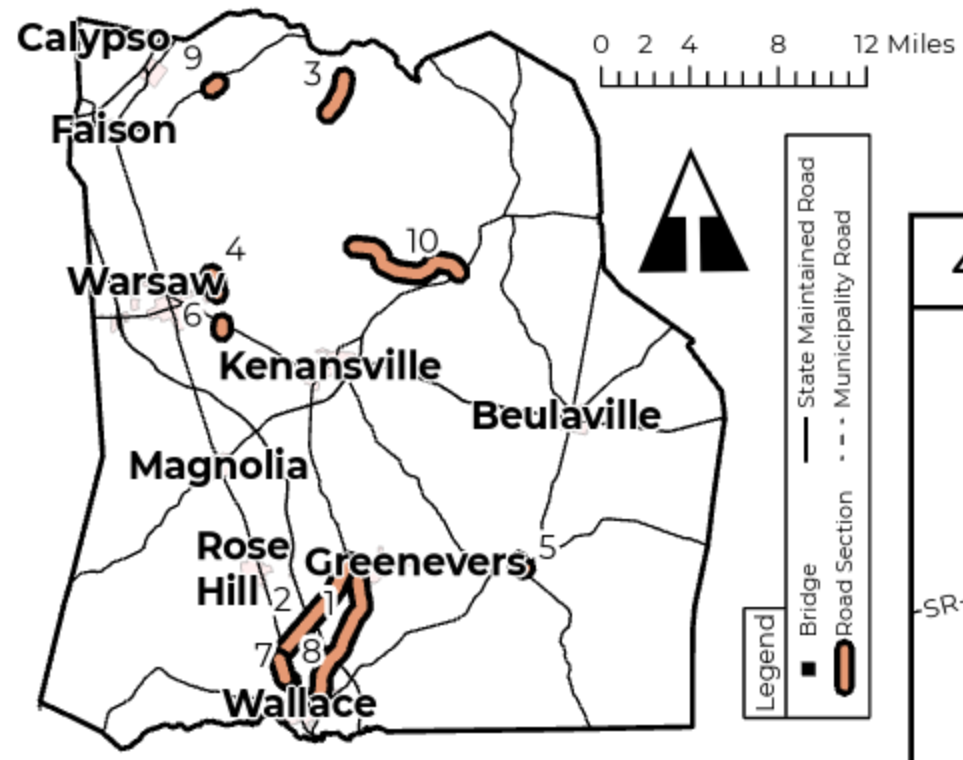


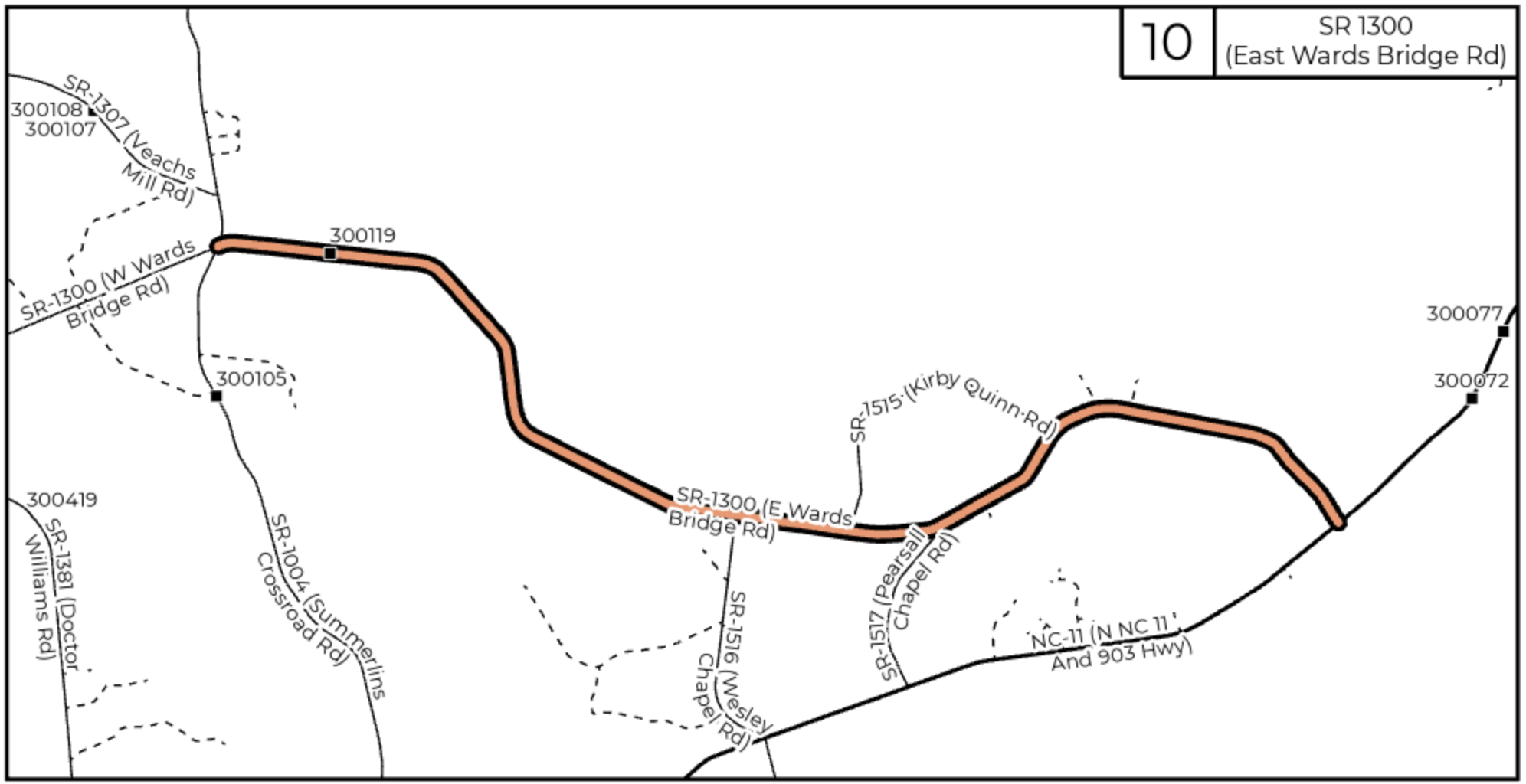
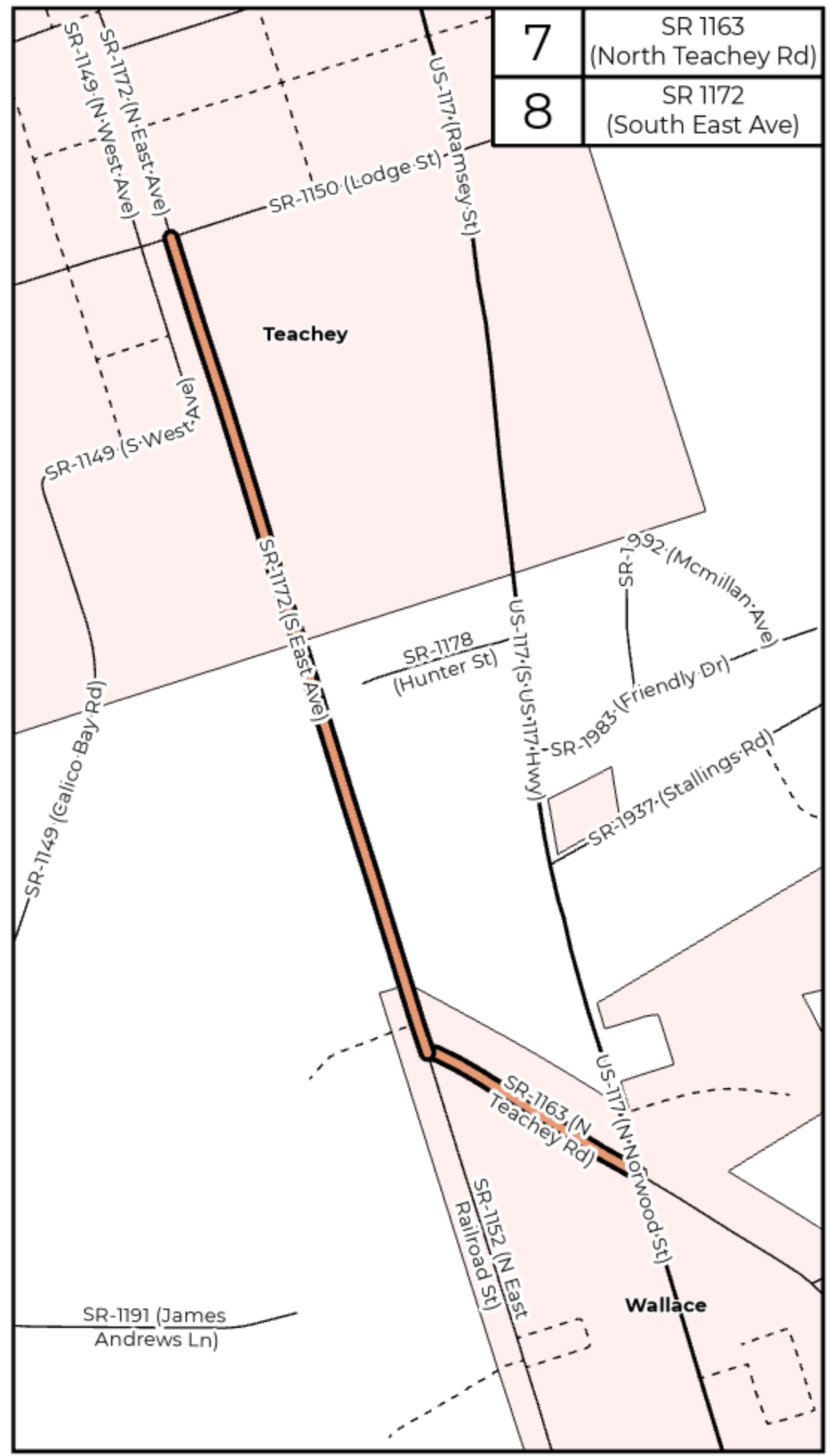
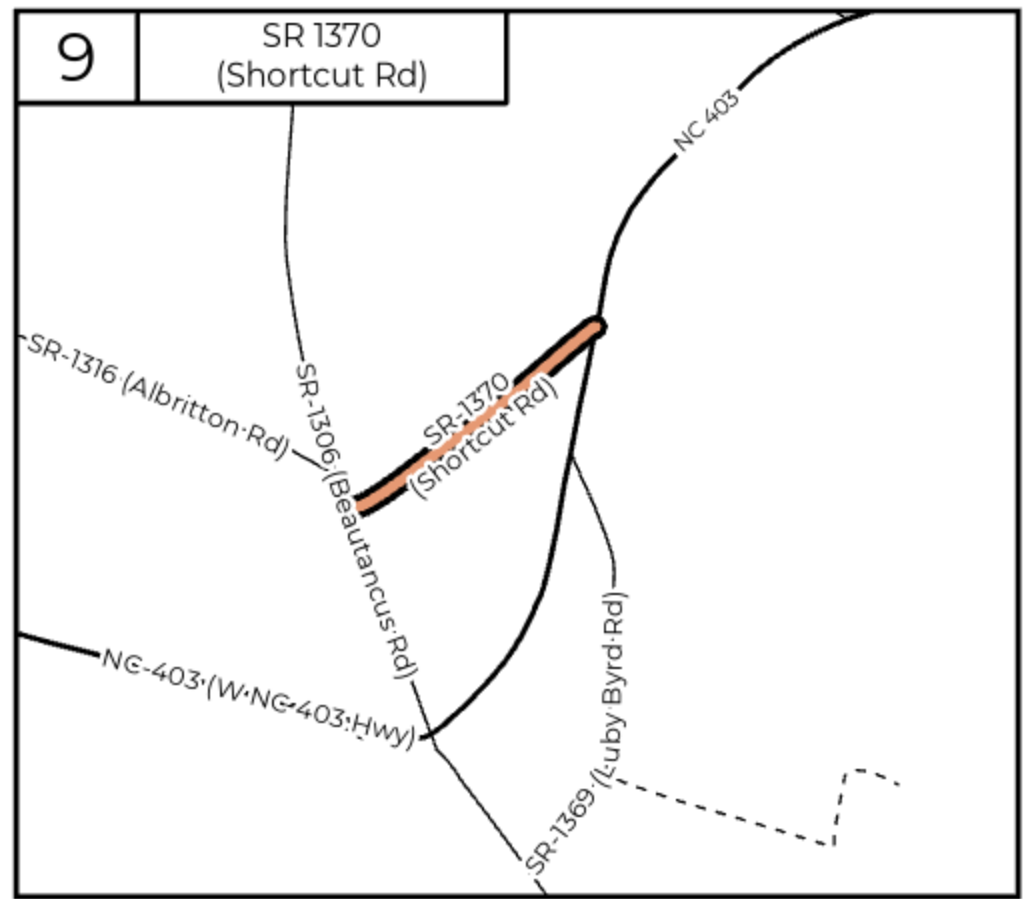
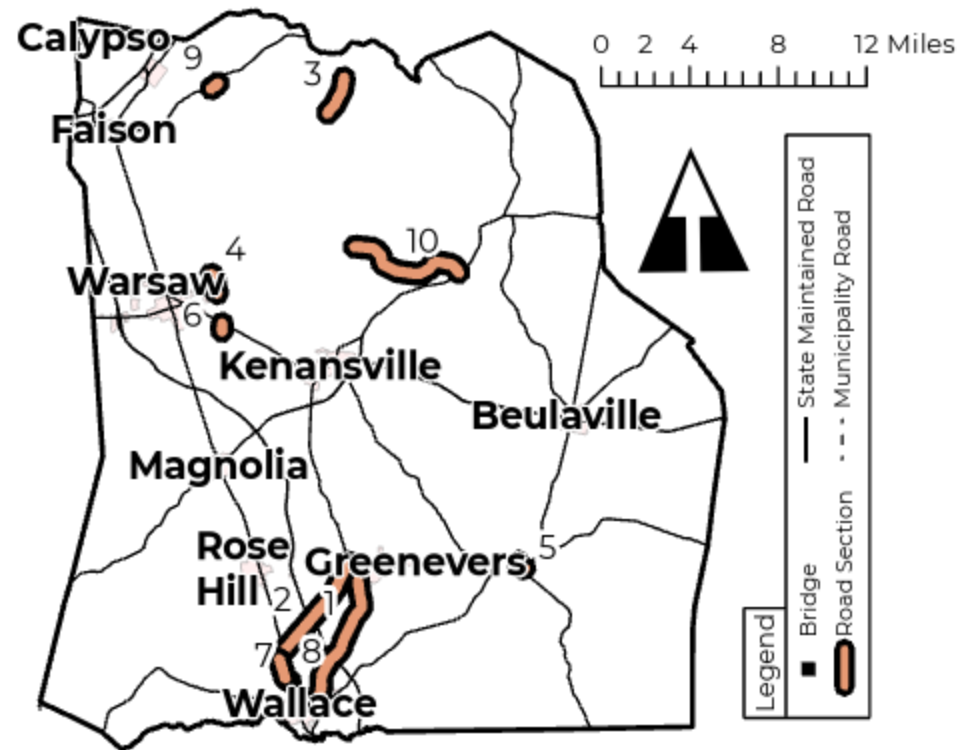
Duplin County 1 - 6

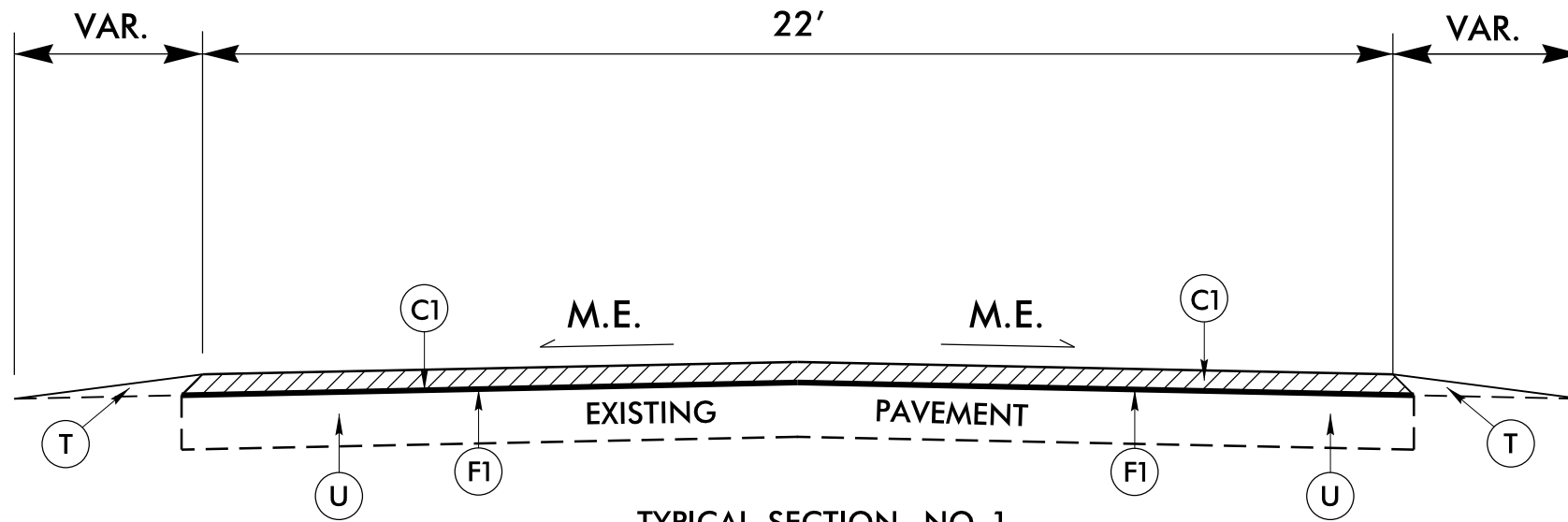
PROJECT REFERENCE NO. 2021CPT.03.28.10311, ETC.	SHEET NO. 1
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Duplin County 7 - 10

PROJECT REFERENCE NO. 2021CPT.03.28.10311, ETC.	SHEET NO. 2
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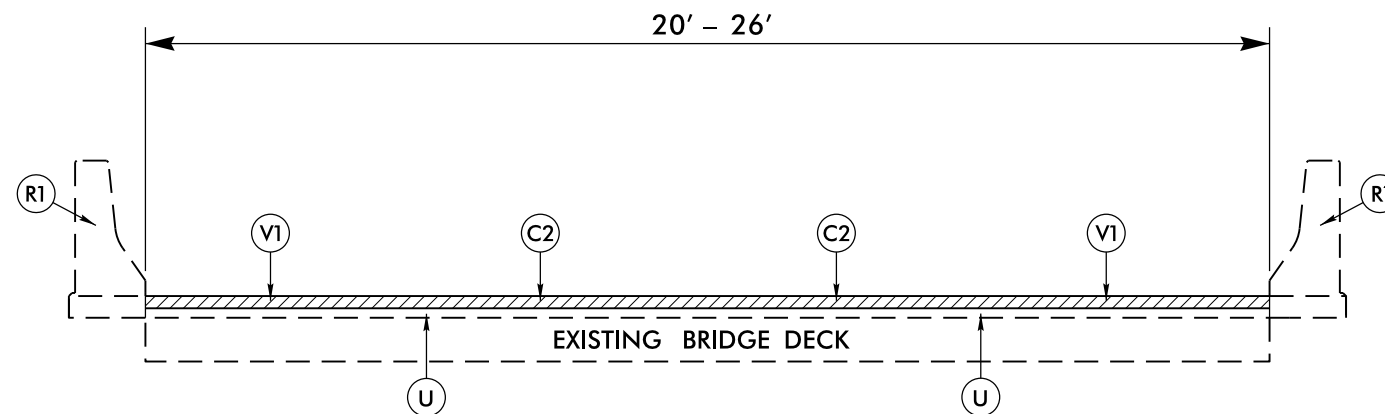




TYPICAL SECTION NO. 1

MAP NO. 1
NC 11 HWY.
MP 1.75 - MP 8.05

Ⓟ VI SEE TYPICAL NO. 2



TYPICAL SECTION NO. 2

MAP NO. 1
NC 11 HWY.
DUPLIN BRIDGE NO. 021
MP 6.58 - MP 6.59

MAP NO. 10
SR 1300 (EAST WARDS BRIDGE RD.)
DUPLIN BRIDGE NO. 119
MP 8.70 - MP 8.72

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C2	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110.0 LBS. PER SQ.YD.
F1	ASPHALT SURFACE TREATMENT - MAT COAT #67 GRANITE
R1	EXISTING CONCRETE BRIDGE RAIL
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1" DEPTH

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAP NO. 1 AS NEEDED, TO BE DETERMINED BY ENGINEER.

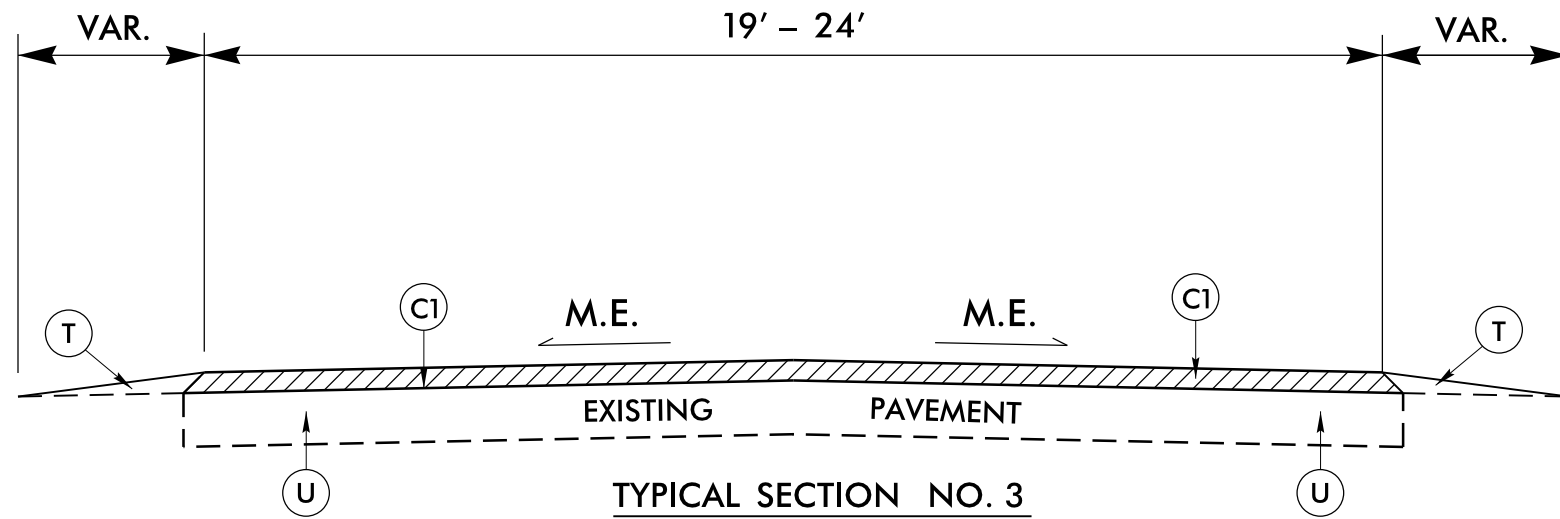
REVISIONS

8/17/99

Resurfacing\DUPLIN\2021\DUPLIN_FALL_LET\2021CPT.03.28.10311.Rdy_typ.dgn

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PAVEMENT SCHEDULE	
C1	1½" S9.5B
T	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT



PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

NO ASPHALT WORK MP 2.93 - MP 3.03
DUPLIN BRIDGE NO. 045

SHOULDER WORK ON MAP NO. 2-11 AS NEEDED, TO BE DETERMINED BY ENGINEER.

MAP NO. 2
SR 1162 (BAY RD.)
MP 0.17 - MP 2.93
MP 3.03 - MP 5.17

MAP NO. 3
SR 1505 (BETHEL CHURCH RD.)
MP 2.07 - MP 3.90

MAP NO. 4
SR 1350 (CA GODBOLD RD.)
MP 0.00 - MP 0.98

MAP NO. 5
SR 1969 (FIREHOUSE RD.)
MP 0.00 - MP 0.52

MAP NO. 6
SR 1904 (HENRY MIDDLETON RD.)
MP 0.00 - MP 0.37

NO ASPHALT WORK
MP 2.93 - MP 3.03
DUPLIN BRIDGE NO. 045

MAP NO. 7
SR 1163 (NORTH TEACHEY RD.)
MP 0.00 - MP 0.26

MAP NO. 8
SR 1172 (SOUTH EAST AVE.)
MP 0.99 - MP 1.91

MAP NO. 9
SR 1370 (SHORTCUT RD.)
MP 0.00 - MP 0.41

MAP NO. 10
SR 1300 (EAST WARDS BRIDGE RD.)
MP 8.22 - MP 13.88

Ⓥ SEE TYPICAL NO. 2

REVISIONS

06-OCT-2021 10:44
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 8/17/99

EFF.01-16-2018
REV.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 12 - PVMT MARKING, MARKERS AND DELINEATION	
1205.08	Pavement Markings - Symbols & Word Messages

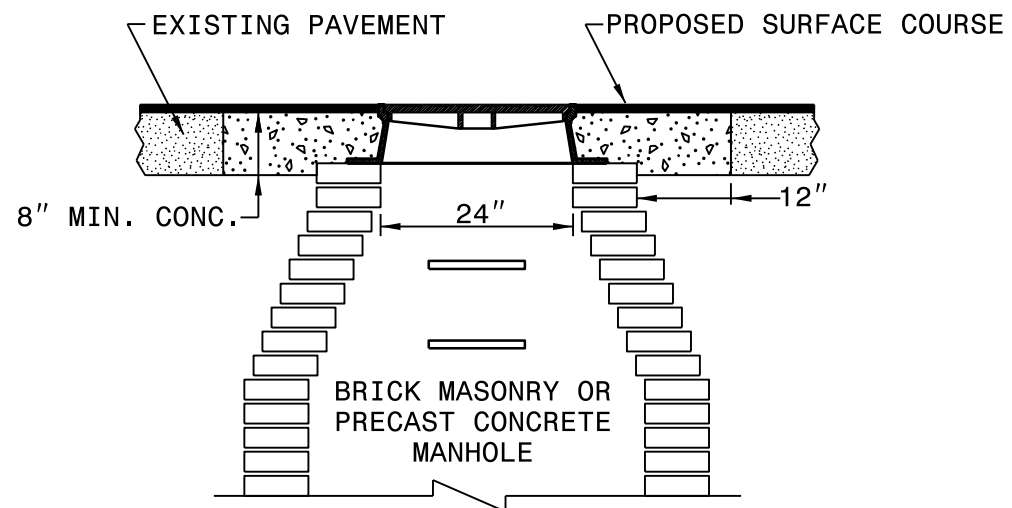
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

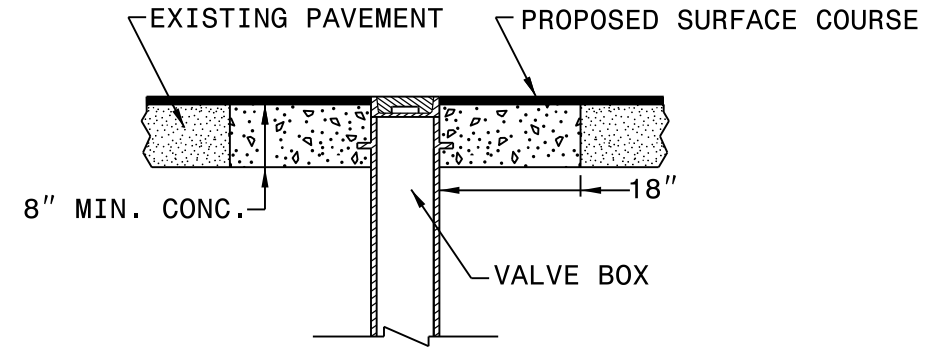
SHEET 1 OF 1
840D55

GENERAL NOTES:

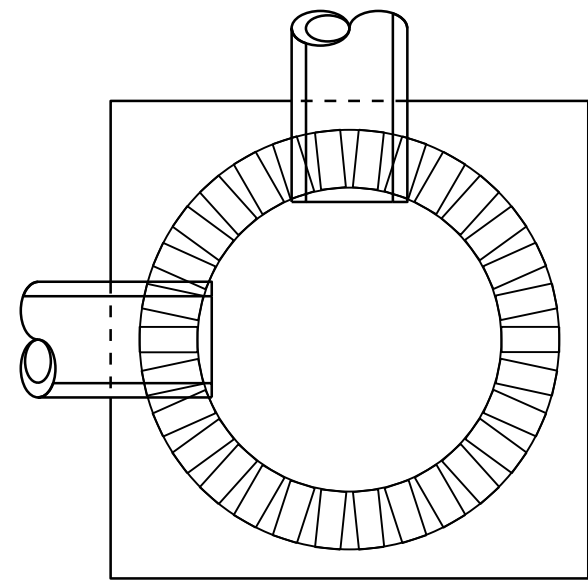
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS $\frac{1}{2}$ " +/- $\frac{1}{8}$ "
7. CONSTRUCT AN ASPHALT RAMP IN ACCORDANCE WITH SECTION 858-3 OF THE 2018 STANDARD SPECIFICATIONS.



MANHOLE CONCRETE ENCASEMENT



VALVE BOX CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

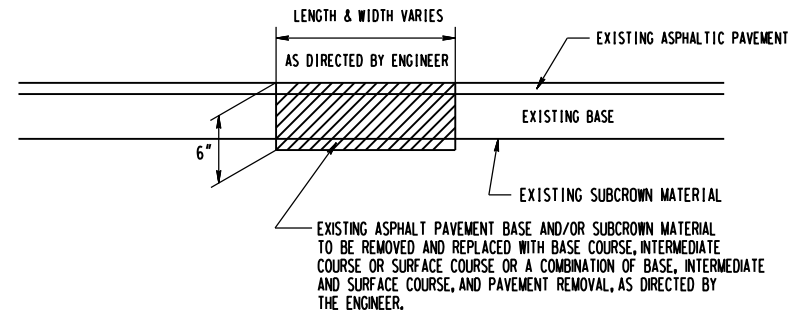
SHEET 1 OF 1
840D55

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

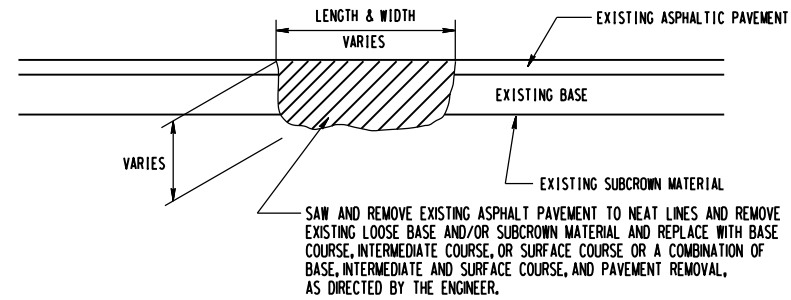
REVISIONS

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8/17/99

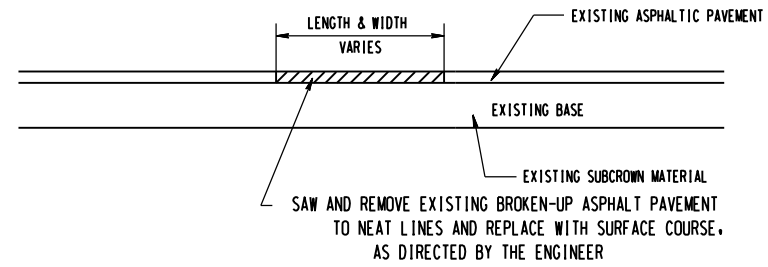
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



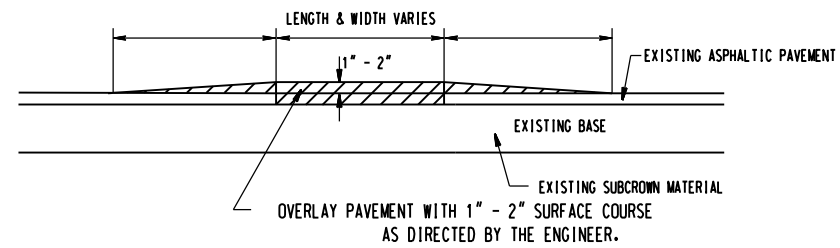
DETAIL NO. 1



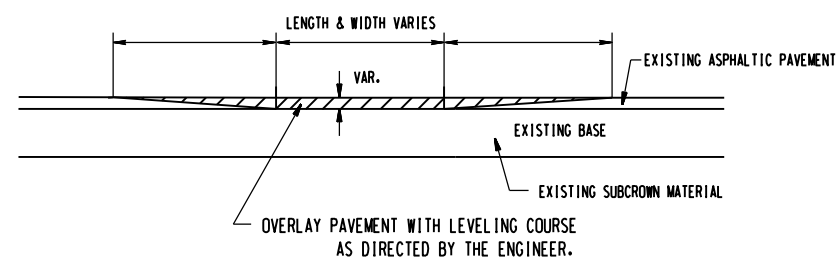
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

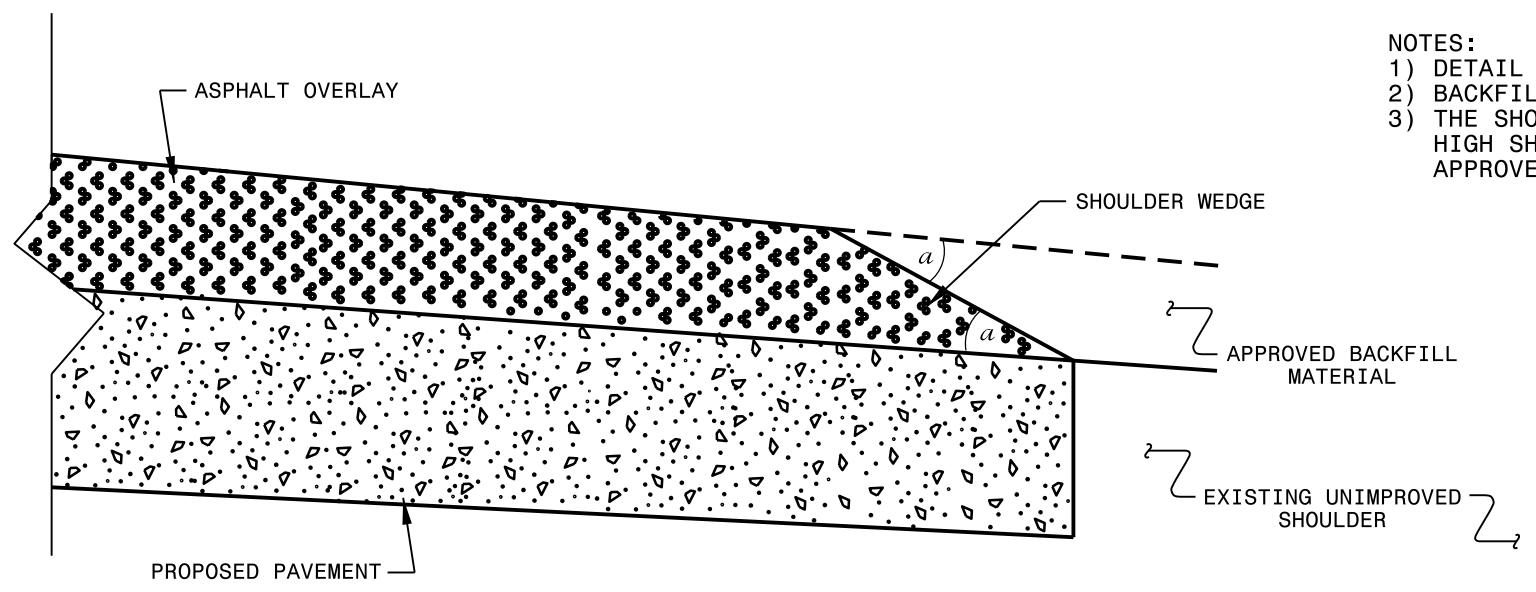


DETAIL NO. 5

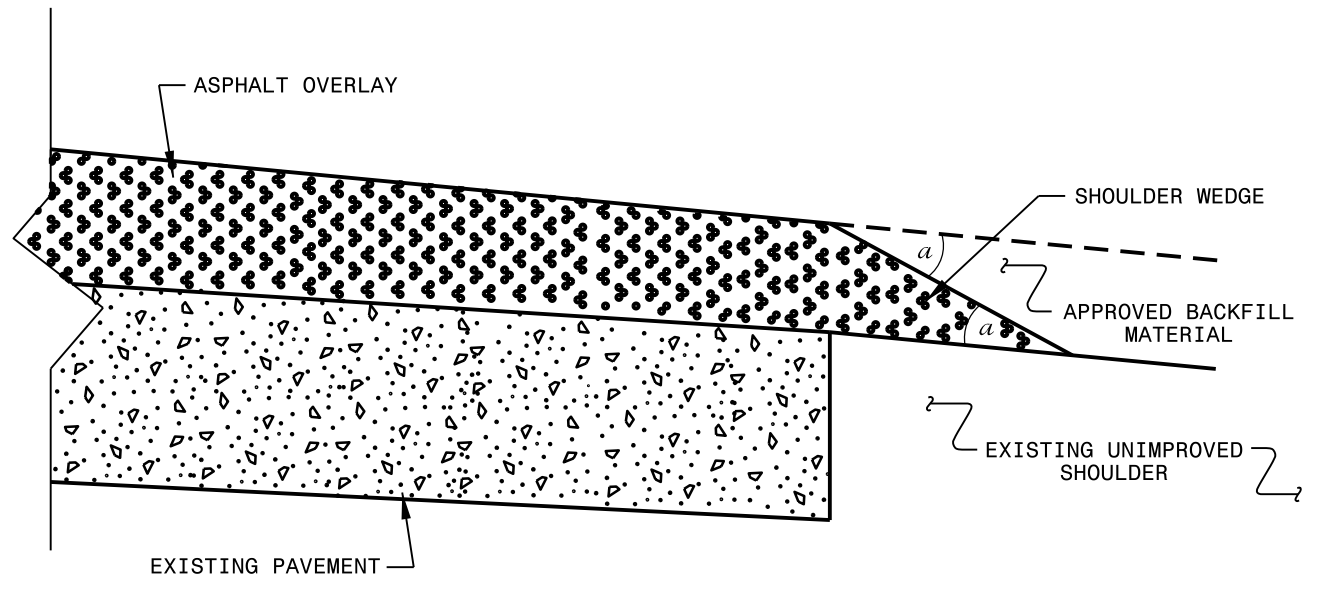
REVISIONS

20-APP-2015-1156
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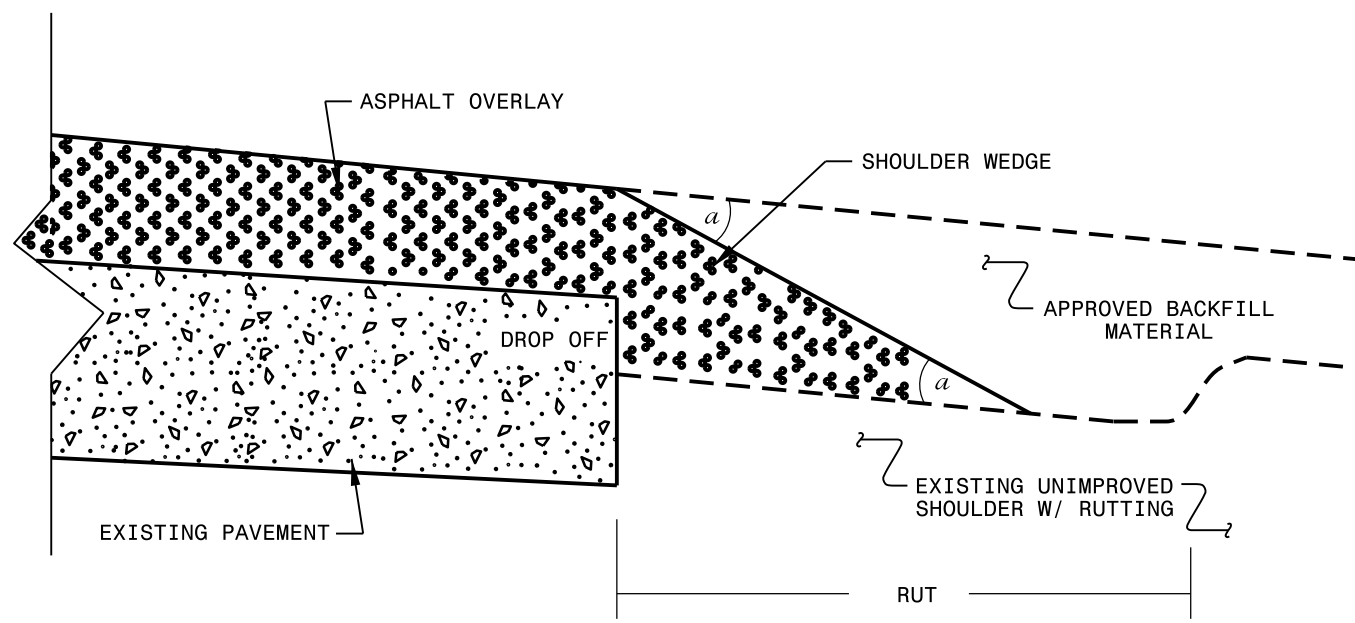
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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: 2/2/16		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

27 JUN 2018 13:22 s:\projects\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn
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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

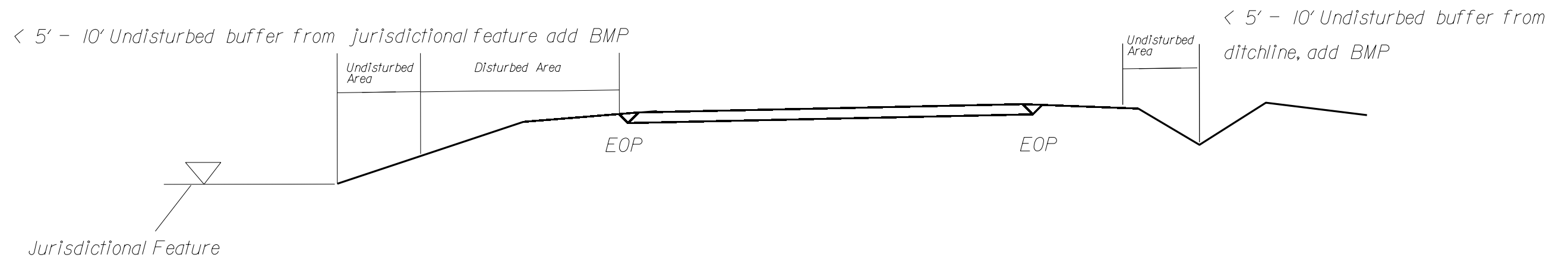
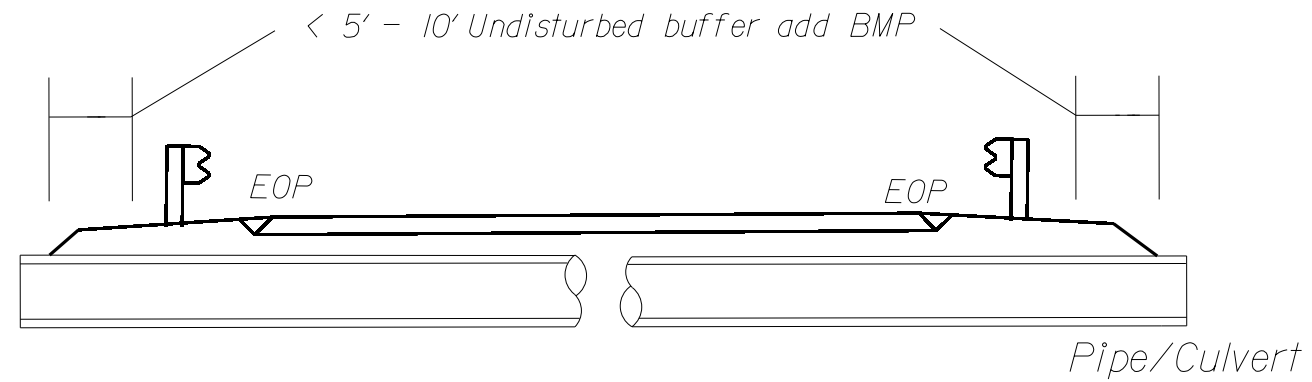
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

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

BMP Options: Wattle or Silt Fence

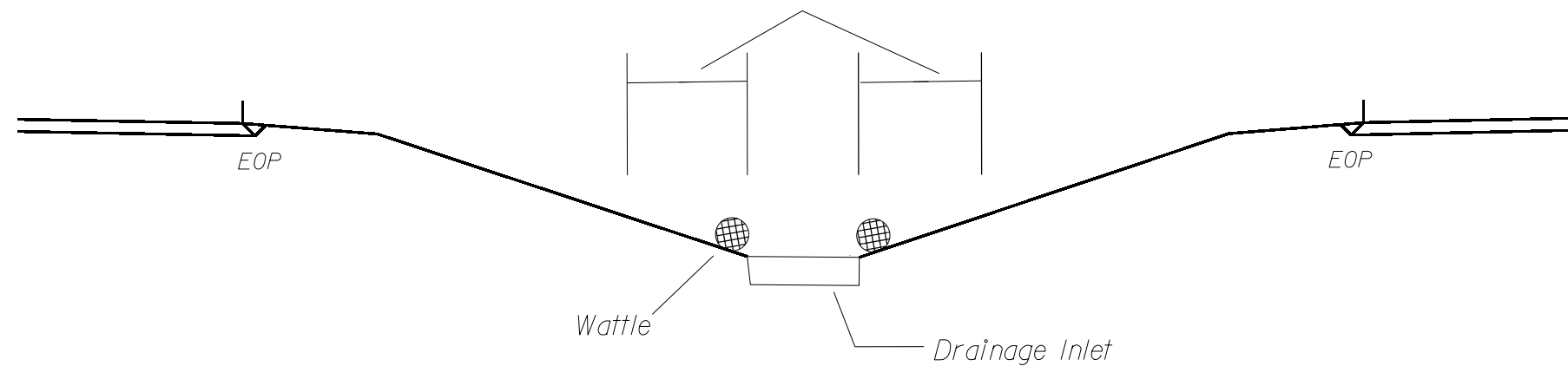
EROSION CONTROL DETAIL



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

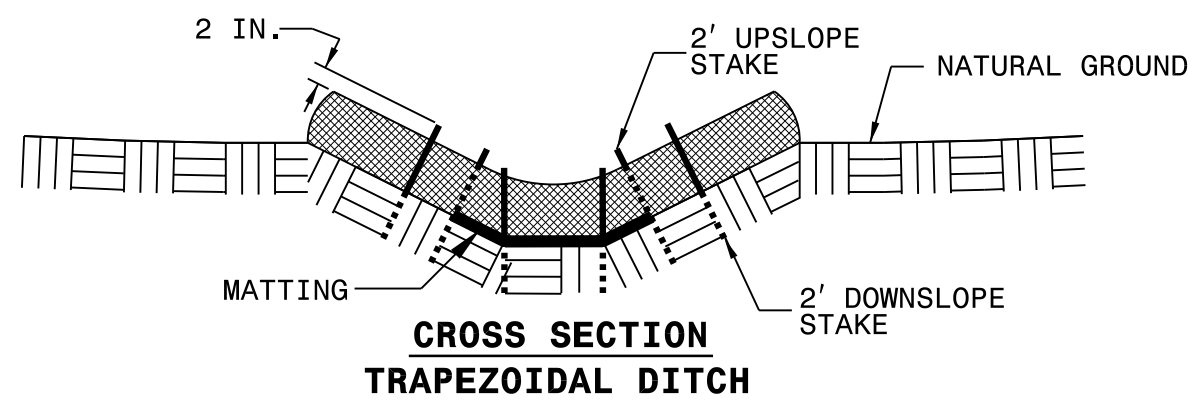
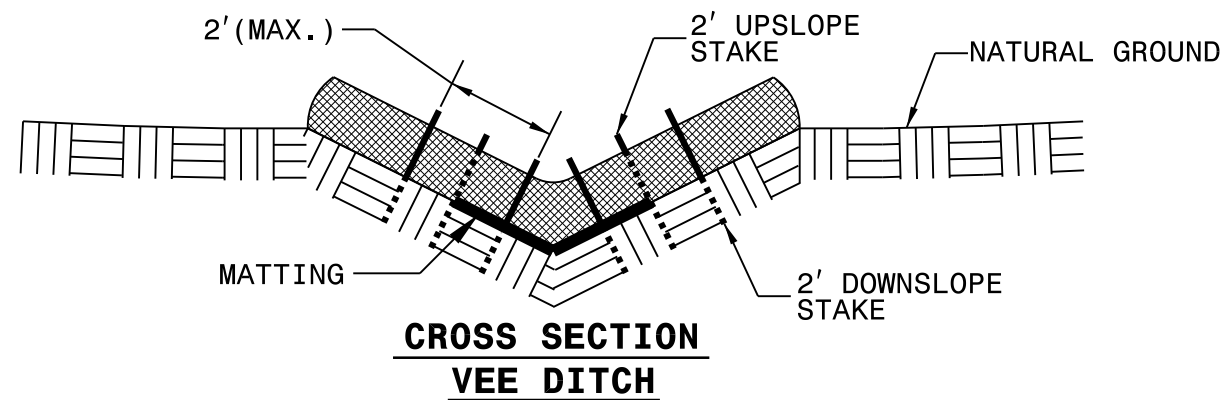
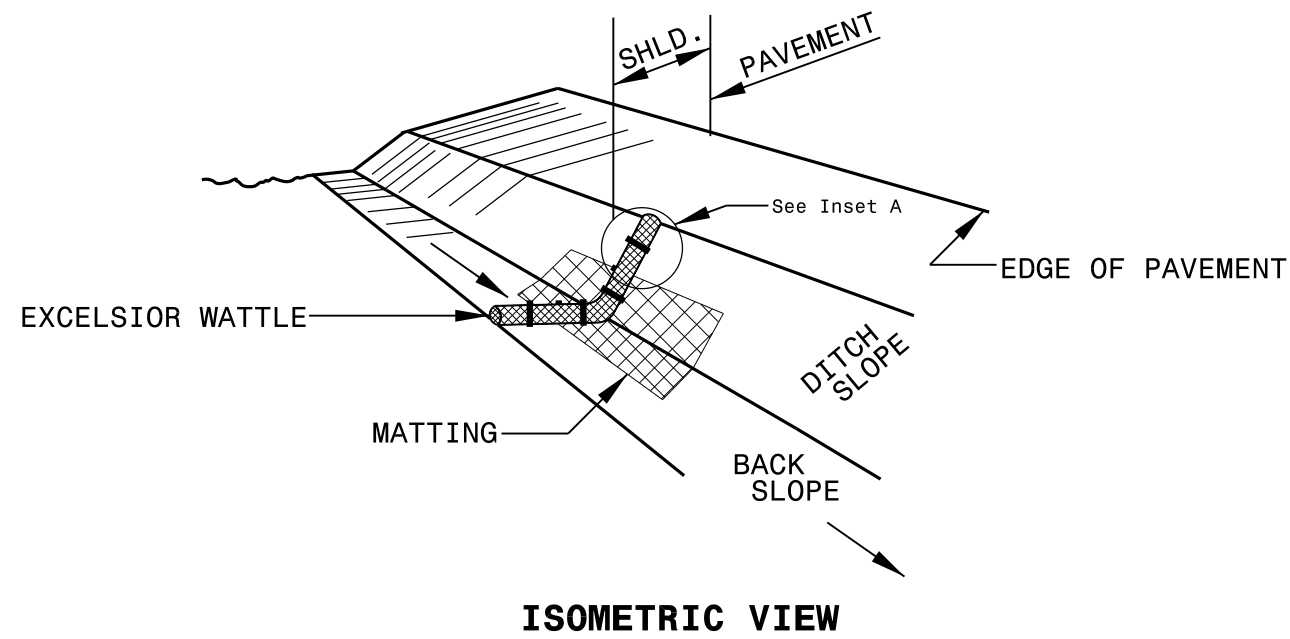


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

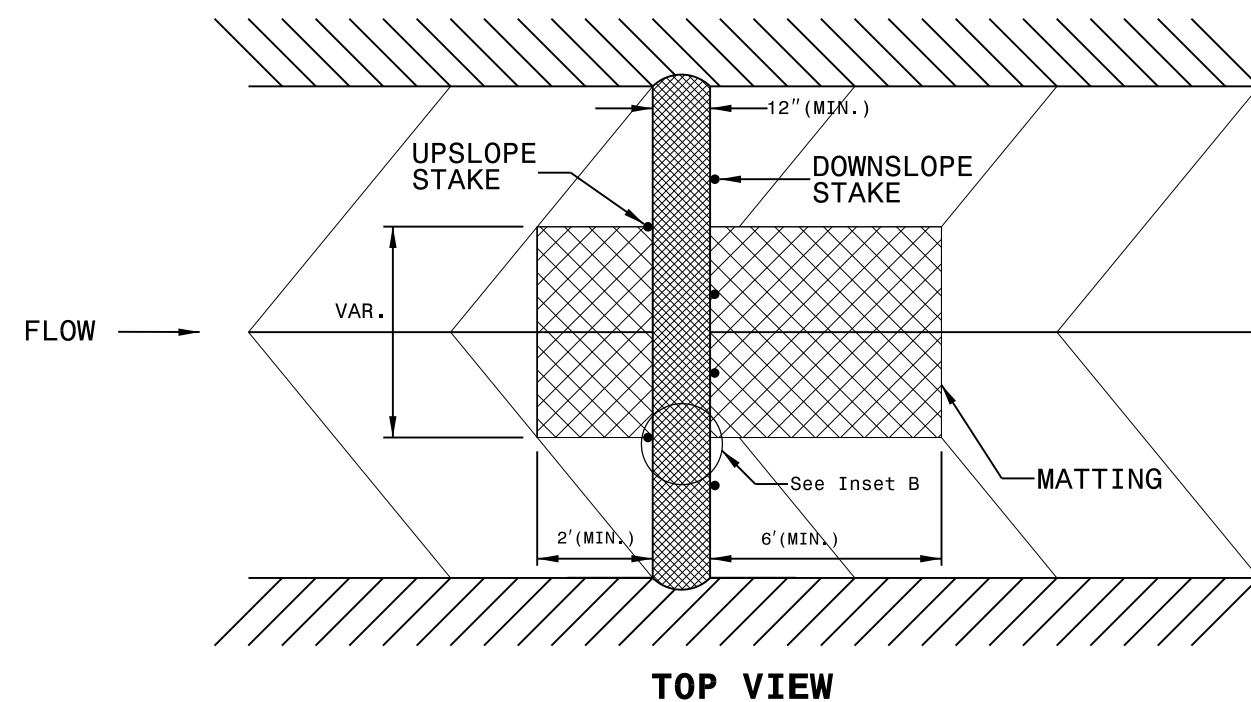
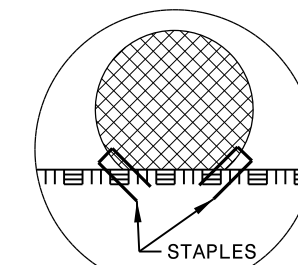
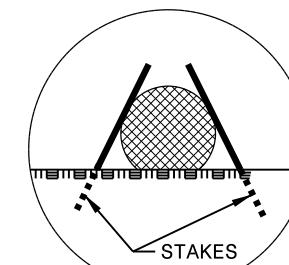
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

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

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

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



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PROJECT NO.	SHEET NO.
2021CPT.03.28.10311, Etc.	8

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	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1519000000-E	1520000000-E	1575000000-E	1775500000-E		
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	1" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	ASPHALT SURFACE TREATMENT, MATCOAT, #67 GRANITE		
												MI	FT	CY	TON	SMI	SY	SY	TON	TON	TON	SY
2021CPT.03.28.10311	Duplin	1	NC 11 HIGHWAY	FROM NC 41 HWY. TO SR 1102 (CHARITY RD.) [MP 1.75 - MP 8.05]	1, 2	2	2WU	NO	NO	6.3	22	963	130	12.60	160	2,752	8,158		547	85,883		
TOTAL FOR MAP NO. 1											6.3		963	130	12.60	160	2,752	8,158		547	85,883	
TOTAL FOR PROJ NO. 2021CPT.03.28.10311											6.3		963	130	12.60	160	2,752	8,158		547	85,883	
2021CPT.03.28.20311	Duplin	2	SR 1162 (BAY ROAD)	FROM US 117 HWY. (RAMSEY ST.) TO NC 11 HWY. [MP 0.17 - MP 5.17]	3	2	2WU	NO	NO	5	22	764	140	10.00		2,303	5,622		377			
TOTAL FOR MAP NO. 2											5		764	140	10.00		2,303	5,622		377		
2021CPT.03.28.20311	Duplin	3	SR 1505 (BETHEL CHURCH ROAD)	FROM SR 1500 (TRAM RD.) TO SR 1501 (GARNER CHAPEL RD.) [MP 2.07 - MP 3.90]	3	2	2WU	NO	NO	1.83	22	280	50	3.66		357	2,058		138			
TOTAL FOR MAP NO. 3											1.83		280	50	3.66		357	2,058		138		
2021CPT.03.28.20311	Duplin	4	SR 1350 (CA GODBOLD ROAD)	FROM SR 1300 (W. WARDS BRIDGE RD.) TO SR 1305 (REVELLE RD.) [MP 0.00 - MP 0.98]	3	2	2WU	NO	NO	0.98	22	150	20	1.96		245	1,102		74			
TOTAL FOR MAP NO. 4											0.98		150	20	1.96		245	1,102		74		
2021CPT.03.28.20311	Duplin	5	SR 1969 (FIREHOUSE ROAD)	FROM NC 50 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.52]	3	2	2WU	NO	NO	0.52	22	80	56	1.04		245	585	20	41			
TOTAL FOR MAP NO. 5											0.52		80	56	1.04		245	585	20	41		
2021CPT.03.28.20311	Duplin	6	SR 1904 (HENRY MIDDLETON ROAD)	FROM NC 24 HWY. TO SR 1903 (CLAUDE SCOTT RD.) [MP 0.00 - MP 0.37]	3	2	2WU	NO	NO	0.37	20	57	12	0.74		223	378		25			
TOTAL FOR MAP NO. 6											0.37		57	12	0.74		223	378		25		
2021CPT.03.28.20311	Duplin	7	SR 1163 (NORTH TEACHEY ROAD)	FROM SR 1172 (S. EAST AVE.) TO US 117 HWY. (N. NORWOOD ST.) [MP 0.00 - MP 0.26]	3	2	2WU	NO	NO	0.26	19	40	10	0.52		212	253		17			
TOTAL FOR MAP NO. 7											0.26		40	10	0.52		212	253		17		
2021CPT.03.28.20311	Duplin	8	SR 1172 (SOUTHEAST AVENUE)	FROM SR 1150 (LODGE ST.) TO SR 1163 (N TEACHEY RD.) [MP 0.99 - MP 1.91]	3	2	2WU	NO	NO	0.92	22	141	14	1.84		245	1,034		69			
TOTAL FOR MAP NO. 8											0.92		141	14	1.84		245	1,034		69		
2021CPT.03.28.20311	Duplin	9	SR 1370 (SHORTCUT ROAD)	FROM NC 403 HWY. TO SR 1306 (BEAUTANCUS RD.) [MP 0.00 - MP 0.41]	3	2	2WU	NO	NO	0.41	20	63	4	0.82		223	419		28			
TOTAL FOR MAP NO. 9											0.41		63	4	0.82		223	419		28		
2021CPT.03.28.20311	Duplin	10	SR 1300 (EAST WARDS BRIDGE ROAD)	FROM SR 1004 (SUMMERLIN CROSSROADS RD.) TO NC 11 HWY. [MP 8.22 - MP 13.88]	2, 3	2	2WU	NO	NO	5.66	24	865	160	11.32	347	1,073	6,939		465			
TOTAL FOR MAP NO. 10											5.66		865	160	11.32	347	1,073	6,939		465		
TOTAL FOR PROJ NO. 2021CPT.03.28.20311											15.95		2,440	466	31.90	347	5,126	18,390	20	1,234		
GRAND TOTAL											22.25		3,403	596	44.50	507	7,878	26,548	20	1,781	85,883	

PROJECT NO.	SHEET NO.
2021CPT.03.28.10311, Etc.	9

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	1838000000-E	1880000000-E	2830000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E		
												EMULSION FOR ASPHALT SURFACE TREATMENT	PATCHING EXISTING PAVEMENT (MILL) GENERIC	ADJUSTMENT OF MANHOLES	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING		
												MI	FT	GAL	TON	EA	LF	TON	TON	ACR	LBS	TON
2021CPT.03.28.10311	Duplin	1	NC 11 HIGHWAY	FROM NC 41 HWY. TO SR 1102 (CHARITY RD.) [MP 1.75 - MP 8.05]	1, 2	2	2WU	NO	NO	6.3	22	34,355	750		630	158	158	6.30	315	1.60		
TOTAL FOR MAP NO. 1											6.3		34,355	750		630	158	158	6.30	315	1.60	
TOTAL FOR PROJ NO. 2021CPT.03.28.10311											6.3		34,355	750		630	158	158	6.30	315	1.60	
2021CPT.03.28.20311	Duplin	2	SR 1162 (BAY ROAD)	FROM US 117 HWY. (RAMSEY ST.) TO NC 11 HWY. [MP 0.17 - MP 5.17]	3	2	2WU	NO	NO	5	22		400		473	118	118	4.73	236	1.18		
TOTAL FOR MAP NO. 2											5		400		473	118	118	4.73	236	1.18		
2021CPT.03.28.20311	Duplin	3	SR 1505 (BETHEL CHURCH ROAD)	FROM SR 1500 (TRAM RD.) TO SR 1501 (GARNER CHAPEL RD.) [MP 2.07 - MP 3.90]	3	2	2WU	NO	NO	1.83	22		340		183	46	46	1.83	92	0.46		
TOTAL FOR MAP NO. 3											1.83		340		183	46	46	1.83	92	0.46		
2021CPT.03.28.20311	Duplin	4	SR 1350 (CA GODBOLD ROAD)	FROM SR 1300 (W. WARDS BRIDGE RD.) TO SR 1305 (REVELLE RD.) [MP 0.00 - MP 0.98]	3	2	2WU	NO	NO	0.98	22		100		98	25	25	0.98	49	0.25		
TOTAL FOR MAP NO. 4											0.98		100		98	25	25	0.98	49	0.25		
2021CPT.03.28.20311	Duplin	5	SR 1969 (FIREHOUSE ROAD)	FROM NC 50 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.52]	3	2	2WU	NO	NO	0.52	22		20		52	13	13	0.52	26	0.13		
TOTAL FOR MAP NO. 5											0.52		20		52	13	13	0.52	26	0.13		
2021CPT.03.28.20311	Duplin	6	SR 1904 (HENRY MIDDLETON ROAD)	FROM NC 24 HWY. TO SR 1903 (CLAUDE SCOTT RD.) [MP 0.00 - MP 0.37]	3	2	2WU	NO	NO	0.37	20		20		37	9	9	0.37	19	0.09		
TOTAL FOR MAP NO. 6											0.37		20		37	9	9	0.37	19	0.09		
2021CPT.03.28.20311	Duplin	7	SR 1163 (NORTH TEACHEY ROAD)	FROM SR 1172 (S. EAST AVE.) TO US 117 HWY. (N. NORWOOD ST.) [MP 0.00 - MP 0.26]	3	2	2WU	NO	NO	0.26	19		100		24	6	6	0.24	12	0.06		
TOTAL FOR MAP NO. 7											0.26		100		24	6	6	0.24	12	0.06		
2021CPT.03.28.20311	Duplin	8	SR 1172 (SOUTHEAST AVENUE)	FROM SR 1150 (LODGE ST.) TO SR 1163 (N TEACHEY RD.) [MP 0.99 - MP 1.91]	3	2	2WU	NO	NO	0.92	22		500	1	92	23	23	0.92	46	0.23		
TOTAL FOR MAP NO. 8											0.92		500	1	92	23	23	0.92	46	0.23		
2021CPT.03.28.20311	Duplin	9	SR 1370 (SHORTCUT ROAD)	FROM NC 403 HWY. TO SR 1306 (BEAUTANCUS RD.) [MP 0.00 - MP 0.41]	3	2	2WU	NO	NO	0.41	20		150		41	10	10	0.41	21	0.10		
TOTAL FOR MAP NO. 9											0.41		150		41	10	10	0.41	21	0.10		
2021CPT.03.28.20311	Duplin	10	SR 1300 (EAST WARDS BRIDGE ROAD)	FROM SR 1004 (SUMMERLIN CROSSROADS RD.) TO NC 11 HWY. [MP 8.22 - MP 13.88]	2, 3	2	2WU	NO	NO	5.66	24		120		566	142	142	5.66	283	1.42		
TOTAL FOR MAP NO. 10											5.66		120		566	142	142	5.66	283	1.42		
TOTAL FOR PROJ NO. 2021CPT.03.28.20311											15.95		1,750	1	1,566	392	392	15.66	784	3.93		
GRAND TOTAL											22.25		34,355	2,500	1	2,196	550	550	21.96	1,099	5.53	

PROJECT NO.	SHEET NO.
2021CPT.03.28.10311, Etc.	10

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	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	7444000000-E
										MI	FT	SY	LF	LF	AC	LB	TON	EA	LF
2021CPT.03.28.10311	Duplin	1	NC 11 HIGHWAY	FROM NC 41 HWY. TO SR 1102 (CHARITY RD.) [MP 1.75 - MP 8.05]	1, 2	2	2WU	NO	NO	6.3	22	40	315	100	6.10	315	1.60	12	240.00
TOTAL FOR MAP NO. 1										6.3		40	315	100	6.10	315	1.60	12	240.00
TOTAL FOR PROJ NO. 2021CPT.03.28.10311										6.3		40	315	100	6.10	315	1.60	12	240.00
2021CPT.03.28.20311	Duplin	2	SR 1162 (BAY ROAD)	FROM US 117 HWY. (RAMSEY ST.) TO NC 11 HWY. [MP 0.17 - MP 5.17]	3	2	2WU	NO	NO	5	22	40	236	80	4.59	236	1.18	10	240.00
TOTAL FOR MAP NO. 2										5		40	236	80	4.59	236	1.18	10	240.00
2021CPT.03.28.20311	Duplin	3	SR 1505 (BETHEL CHURCH ROAD)	FROM SR 1500 (TRAM RD.) TO SR 1501 (GARNER CHAPEL RD.) [MP 2.07 - MP 3.90]	3	2	2WU	NO	NO	1.83	22	20	92	30	1.77	92	0.46	6	
TOTAL FOR MAP NO. 3										1.83		20	92	30	1.77	92	0.46	6	
2021CPT.03.28.20311	Duplin	4	SR 1350 (CA GODBOLD ROAD)	FROM SR 1300 (W. WARDS BRIDGE RD.) TO SR 1305 (REVELLE RD.) [MP 0.00 - MP 0.98]	3	2	2WU	NO	NO	0.98	22	10	49	20	0.95	49	0.25	2	
TOTAL FOR MAP NO. 4										0.98		10	49	20	0.95	49	0.25	2	
2021CPT.03.28.20311	Duplin	5	SR 1969 (FIREHOUSE ROAD)	FROM NC 50 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.52]	3	2	2WU	NO	NO	0.52	22	10	26	10	0.50	26	0.13	2	
TOTAL FOR MAP NO. 5										0.52		10	26	10	0.50	26	0.13	2	
2021CPT.03.28.20311	Duplin	6	SR 1904 (HENRY MIDDLETON ROAD)	FROM NC 24 HWY. TO SR 1903 (CLAUDE SCOTT RD.) [MP 0.00 - MP 0.37]	3	2	2WU	NO	NO	0.37	20	10	19	10	0.36	19	0.09	2	
TOTAL FOR MAP NO. 6										0.37		10	19	10	0.36	19	0.09	2	
2021CPT.03.28.20311	Duplin	7	SR 1163 (NORTH TEACHEY ROAD)	FROM SR 1172 (S. EAST AVE.) TO US 117 HWY. (N. NORWOOD ST.) [MP 0.00 - MP 0.26]	3	2	2WU	NO	NO	0.26	19	10	12	10	0.23	12	0.06	2	
TOTAL FOR MAP NO. 7										0.26		10	12	10	0.23	12	0.06	2	
2021CPT.03.28.20311	Duplin	8	SR 1172 (SOUTHEAST AVENUE)	FROM SR 1150 (LODGE ST.) TO SR 1163 (N TEACHEY RD.) [MP 0.99 - MP 1.91]	3	2	2WU	NO	NO	0.92	22	10	46	20	0.89	46	0.23	2	
TOTAL FOR MAP NO. 8										0.92		10	46	20	0.89	46	0.23	2	
2021CPT.03.28.20311	Duplin	9	SR 1370 (SHORTCUT ROAD)	FROM NC 403 HWY. TO SR 1306 (BEAUTANCUS RD.) [MP 0.00 - MP 0.41]	3	2	2WU	NO	NO	0.41	20	10	21	10	0.40	21	0.10	2	
TOTAL FOR MAP NO. 9										0.41		10	21	10	0.40	21	0.10	2	
2021CPT.03.28.20311	Duplin	10	SR 1300 (EAST WARDS BRIDGE ROAD)	FROM SR 1004 (SUMMERLIN CROSSROADS RD.) TO NC 11 HWY. [MP 8.22 - MP 13.88]	2, 3	2	2WU	NO	NO	5.66	24	40	283	90	5.49	283	1.42	10	
TOTAL FOR MAP NO. 10										5.66		40	283	90	5.49	283	1.42	10	
TOTAL FOR PROJ NO. 2021CPT.03.28.20311										15.95		160	784	280	15.19	784	3.93	38	240.00
GRAND TOTAL										22.25		200	1,099	380	21.29	1,099	5.53	50	480.00

PROJECT NO.	SHEET NO.
2021CPT.03.28.10311, Etc.	11

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E		4695000000-E		4720000000-E	4725000000-E			
								MI	FT	SF	LS	LF	LF	LF	LF	EA	EA	EA	EA	EA
2021CPT.03.28.10311	Duplin	1	NC 11 HIGHWAY	FROM NC 41 HWY. TO SR 1102 (CHARITY RD.) [MP 1.75 - MP 8.05]	1, 2	2	2WU	6.3	22	992	0.28	68,753	49,330	316	165		11	6	2	6
TOTAL FOR MAP NO. 1								6.3		992	0.28	68,753	49,330	316	165		11	6	2	6
TOTAL FOR PROJ NO. 2021CPT.03.28.10311								6.3		992	0.28	68,753	49,330	316	165		11	6	2	6
												118,083	481	25						
2021CPT.03.28.20311	Duplin	2	SR 1162 (BAY ROAD)	FROM US 117 HWY. (RAMSEY ST.) TO NC 11 HWY. [MP 0.17 - MP 5.17]	3	2	2WU	5	22	752	0.21									
TOTAL FOR MAP NO. 2								5		752	0.21									
2021CPT.03.28.20311	Duplin	3	SR 1505 (BETHEL CHURCH ROAD)	FROM SR 1500 (TRAM RD.) TO SR 1501 (GARNER CHAPEL RD.) [MP 2.07 - MP 3.90]	3	2	2WU	1.83	22		0.08									
TOTAL FOR MAP NO. 3								1.83			0.08									
2021CPT.03.28.20311	Duplin	4	SR 1350 (CA GODBOLD ROAD)	FROM SR 1300 (W. WARDS BRIDGE RD.) TO SR 1305 (REVELLE RD.) [MP 0.00 - MP 0.98]	3	2	2WU	0.98	22		0.04									
TOTAL FOR MAP NO. 4								0.98			0.04									
2021CPT.03.28.20311	Duplin	5	SR 1969 (FIREHOUSE ROAD)	FROM NC 50 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.52]	3	2	2WU	0.52	22		0.02									
TOTAL FOR MAP NO. 5								0.52			0.02									
2021CPT.03.28.20311	Duplin	6	SR 1904 (HENRY MIDDLETON ROAD)	FROM NC 24 HWY. TO SR 1903 (CLAUDE SCOTT RD.) [MP 0.00 - MP 0.37]	3	2	2WU	0.37	20		0.03									
TOTAL FOR MAP NO. 6								0.37			0.03									
2021CPT.03.28.20311	Duplin	7	SR 1163 (NORTH TEACHEY ROAD)	FROM SR 1172 (S. EAST AVE.) TO US 117 HWY. (N. NORWOOD ST.) [MP 0.00 - MP 0.26]	3	2	2WU	0.26	19		0.03									
TOTAL FOR MAP NO. 7								0.26			0.03									
2021CPT.03.28.20311	Duplin	8	SR 1172 (SOUTHEAST AVENUE)	FROM SR 1150 (LODGE ST.) TO SR 1163 (N TEACHEY RD.) [MP 0.99 - MP 1.91]	3	2	2WU	0.92	22		0.04					4				
TOTAL FOR MAP NO. 8								0.92			0.04					4				
2021CPT.03.28.20311	Duplin	9	SR 1370 (SHORTCUT ROAD)	FROM NC 403 HWY. TO SR 1306 (BEAUTANCUS RD.) [MP 0.00 - MP 0.41]	3	2	2WU	0.41	20		0.03									
TOTAL FOR MAP NO. 9								0.41			0.03									
2021CPT.03.28.20311	Duplin	10	SR 1300 (EAST WARDS BRIDGE ROAD)	FROM SR 1004 (SUMMERLIN CROSSROADS RD.) TO NC 11 HWY. [MP 8.22 - MP 13.88]	2, 3	2	2WU	5.66	24	736	0.24									
TOTAL FOR MAP NO. 10								5.66		736	0.24									
TOTAL FOR PROJ NO. 2021CPT.03.28.20311								15.95		1,488	0.72					4				
GRAND TOTAL								22.25		2,480	1.00	68,753	49,330	316	165	4	11	6	2	6
												118,083	481	25						

PROJECT NO.	SHEET NO.
2021CPT.03.28.10311, Etc.	12

THERMOPLASTIC AND PAINT QUANTITIES

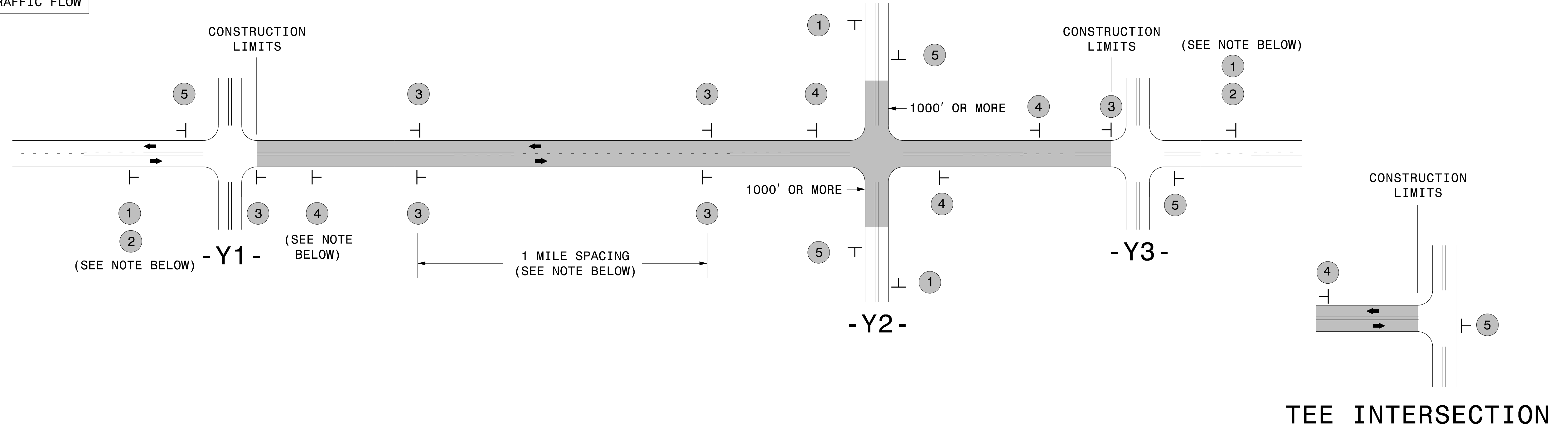
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4810000000-E		4835000000-E	4850000000-E	4891000000-E	4895000000-N		4900000000-N		
										4" WHITE PAINT	4" YELLOW PAINT	24" WHITE PAINT	REMOVAL OF PAVEMENT MARKING LINES (4")	24" X 90 M WHITE THERMO	NON CAST IRON SNOW PLOWABLE MARKERS (Y/Y)	NON CAST IRON SNOW PLOWABLE MARKERS (C/R)	YELLOW & YELLOW MARKERS		
										MI	FT	LF	LF	LF	LF	EA	EA	EA	
2021CPT.03.28.10311	Duplin	1	NC 11 HIGHWAY	FROM NC 41 HWY. TO SR 1102 (CHARITY RD.) [MP 1.75 - MP 8.05]	1, 2	2	2WU	6.3	22					107	496	20	21		
TOTAL FOR MAP NO. 1																			
TOTAL FOR PROJ NO. 2021CPT.03.28.10311																			
																		516	
2021CPT.03.28.20311	Duplin	2	SR 1162 (BAY ROAD)	FROM US 117 HWY. (RAMSEY ST.) TO NC 11 HWY. [MP 0.17 - MP 5.17]	3	2	2WU	5	22	107,400	35,400			800			340		
TOTAL FOR MAP NO. 2																			
2021CPT.03.28.20311	Duplin	3	SR 1505 (BETHEL CHURCH ROAD)	FROM SR 1500 (TRAM RD.) TO SR 1501 (GARNER CHAPEL RD.) [MP 2.07 - MP 3.90]	3	2	2WU	1.83	22	39,300	26,600						122		
TOTAL FOR MAP NO. 3																			
2021CPT.03.28.20311	Duplin	4	SR 1350 (CA GODBOLD ROAD)	FROM SR 1300 (W. WARDS BRIDGE RD.) TO SR 1305 (REVELLE RD.) [MP 0.00 - MP 0.98]	3	2	2WU	0.98	22	20,700	16,100						65		
TOTAL FOR MAP NO. 4																			
2021CPT.03.28.20311	Duplin	5	SR 1969 (FIREHOUSE ROAD)	FROM NC 50 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.52]	3	2	2WU	0.52	22	11,000	11,000						35		
TOTAL FOR MAP NO. 5																			
2021CPT.03.28.20311	Duplin	6	SR 1904 (HENRY MIDDLETON ROAD)	FROM NC 24 HWY. TO SR 1903 (CLAUDE SCOTT RD.) [MP 0.00 - MP 0.37]	3	2	2WU	0.37	20	7,850	3,050						25		
TOTAL FOR MAP NO. 6																			
2021CPT.03.28.20311	Duplin	7	SR 1163 (NORTH TEACHEY ROAD)	FROM SR 1172 (S. EAST AVE.) TO US 117 HWY. (N. NORWOOD ST.) [MP 0.00 - MP 0.26]	3	2	2WU	0.26	19	5,500	2,600						18		
TOTAL FOR MAP NO. 7																			
2021CPT.03.28.20311	Duplin	8	SR 1172 (SOUTHEAST AVENUE)	FROM SR 1150 (LODGE ST.) TO SR 1163 (N TEACHEY RD.) [MP 0.99 - MP 1.91]	3	2	2WU	0.92	22	19,500	7,400			50			65		
TOTAL FOR MAP NO. 8																			
2021CPT.03.28.20311	Duplin	9	SR 1370 (SHORTCUT ROAD)	FROM NC 403 HWY. TO SR 1306 (BEAUTANCUS RD.) [MP 0.00 - MP 0.41]	3	2	2WU	0.41	20	8,700	5,250						28		
TOTAL FOR MAP NO. 9																			
2021CPT.03.28.20311	Duplin	10	SR 1300 (EAST WARDS BRIDGE ROAD)	FROM SR 1004 (SUMMERLIN CROSSROADS RD.) TO NC 11 HWY. [MP 8.22 - MP 13.88]	2, 3	2	2WU	5.66	24	121,803	76,600	106					375		
TOTAL FOR MAP NO. 10																			
TOTAL FOR PROJ NO. 2021CPT.03.28.20311																			
																		525,753	
GRAND TOTAL																			
																			525,753
																			516
																			1,094

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 <small>W20-1 48" X 48"</small>	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	
	2	 <small>W7-3aP 24" X 18"</small>	#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	 <small>SP 13107 48" X 48"</small>	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4	 <small>SP 13106 48" X 48"</small>	- 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	 <small>G20-2 A 48" X 24"</small>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

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

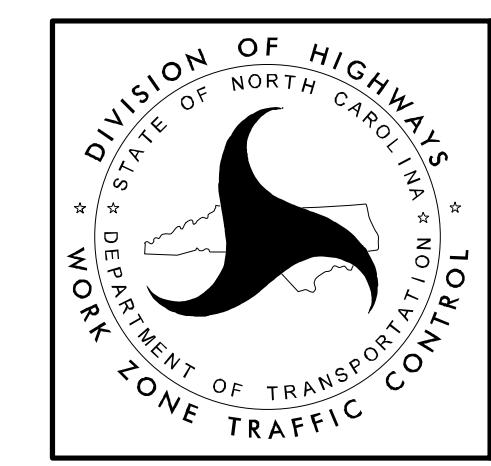
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

 <small>W20-1 48" X 48"</small> PLACED 500' IN ADVANCE OF FLAGGER.	 <small>W20-7 A 48" X 48"</small> PLACED 250' IN ADVANCE OF FLAGGER.
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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.

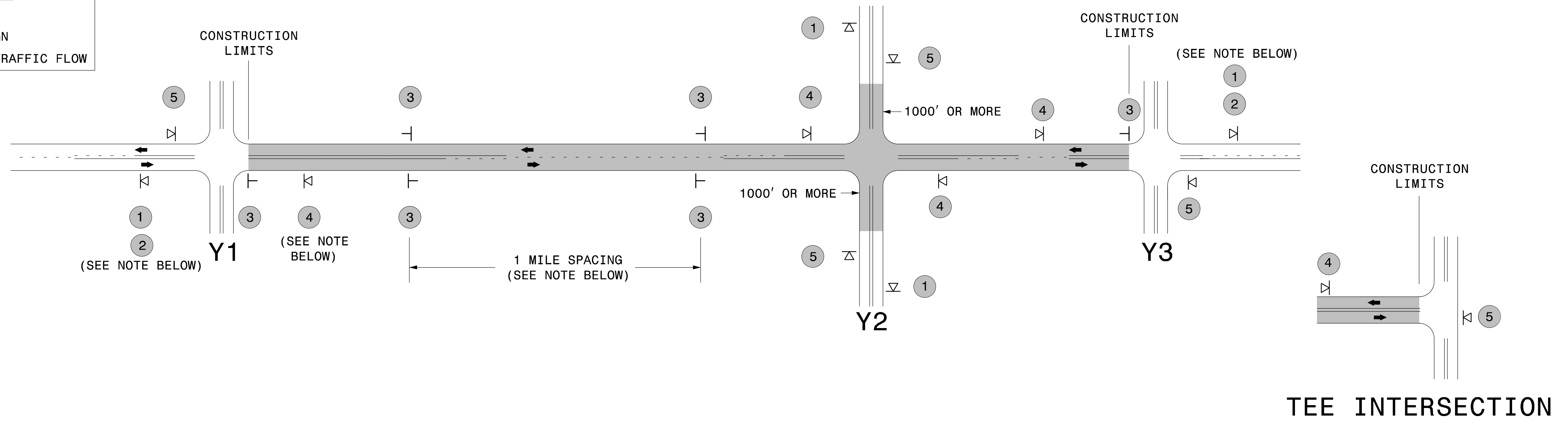


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

- ▷ PORTABLE SIGN
- └ STATIONARY SIGN
- ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION		<ul style="list-style-type: none"> - PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. - SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS. 	<p>STATIONARY SIGNING NOT REQUIRED FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>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.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div style="text-align: center;"> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>
		<ul style="list-style-type: none"> - ALTERNATE THE FOLLOWING TWO SIGNS: - STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT". - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER. 	
		<ul style="list-style-type: none"> - 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. 	
		<ul style="list-style-type: none"> - 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 AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.

ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT