

Duplin County

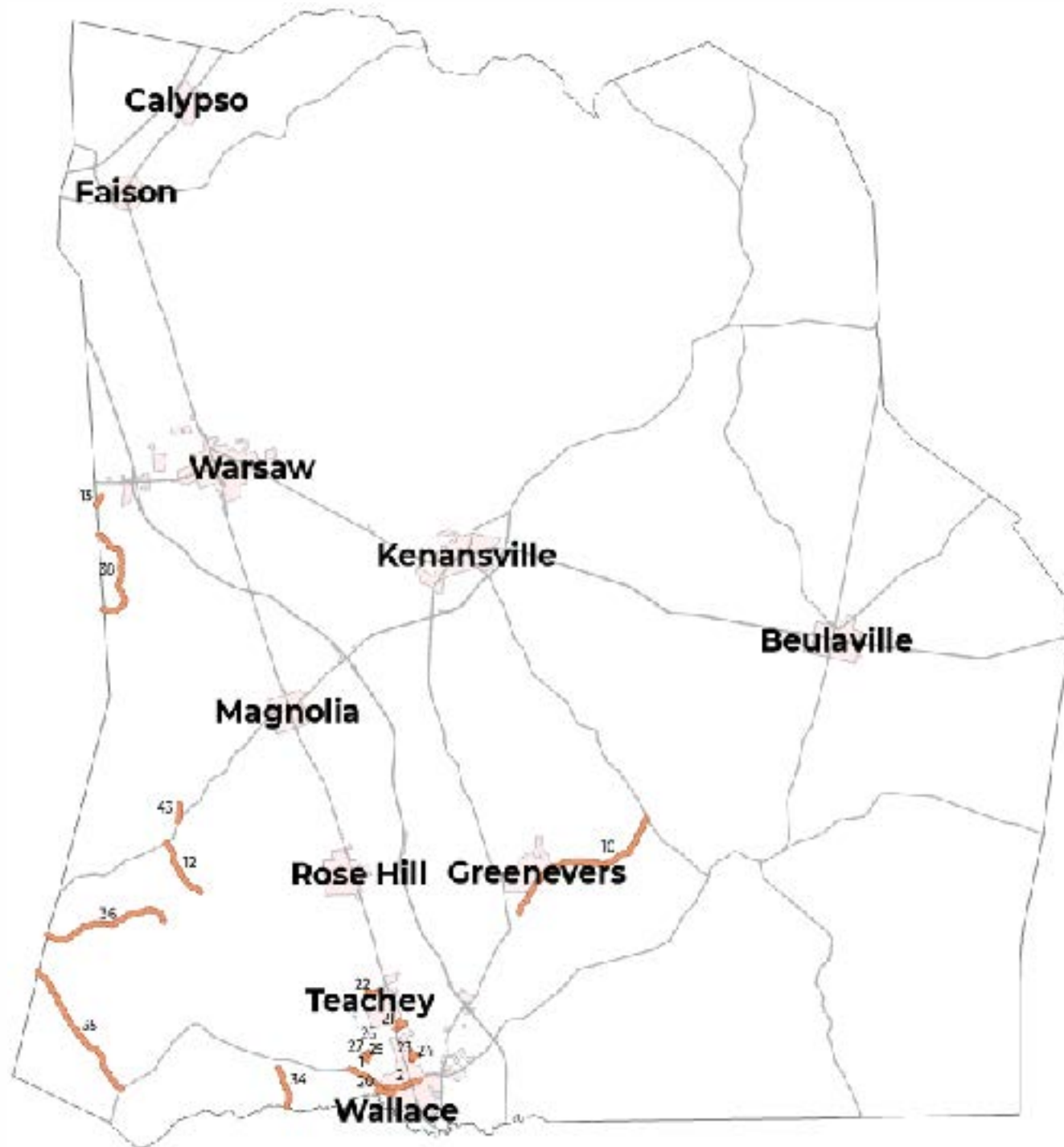
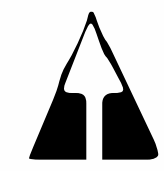
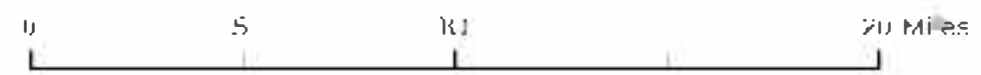
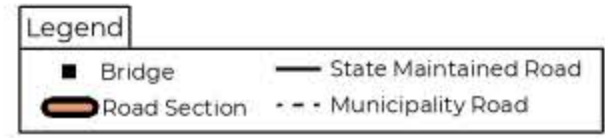
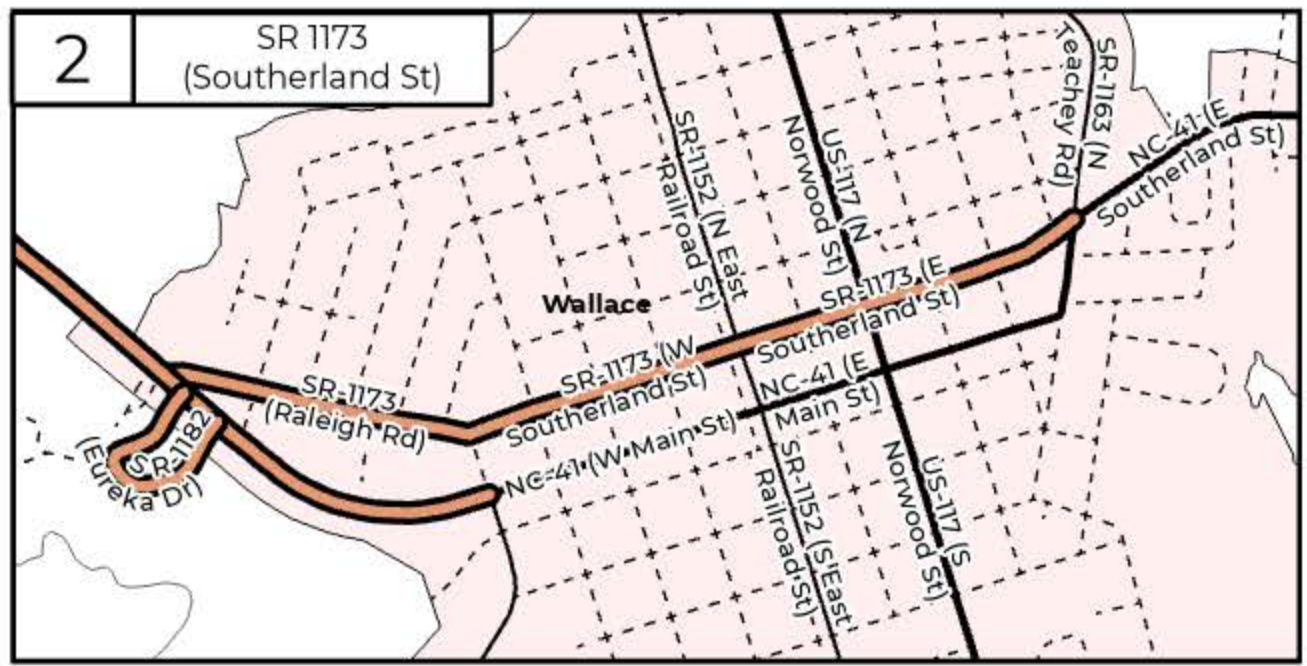
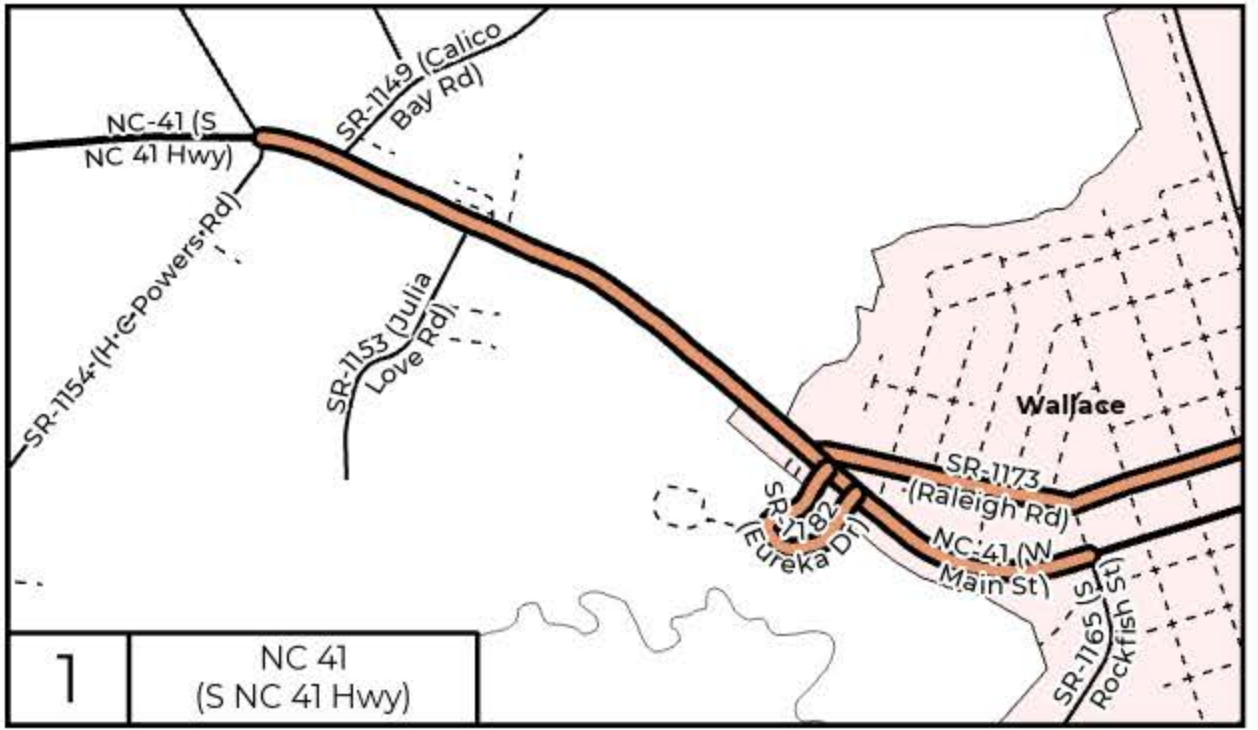
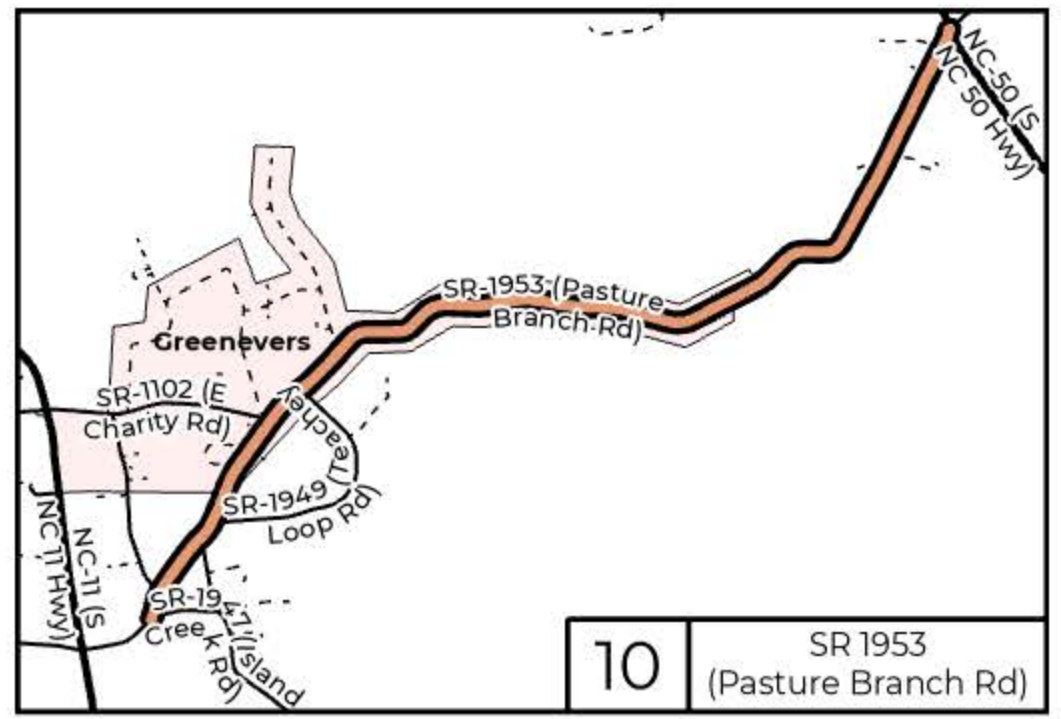
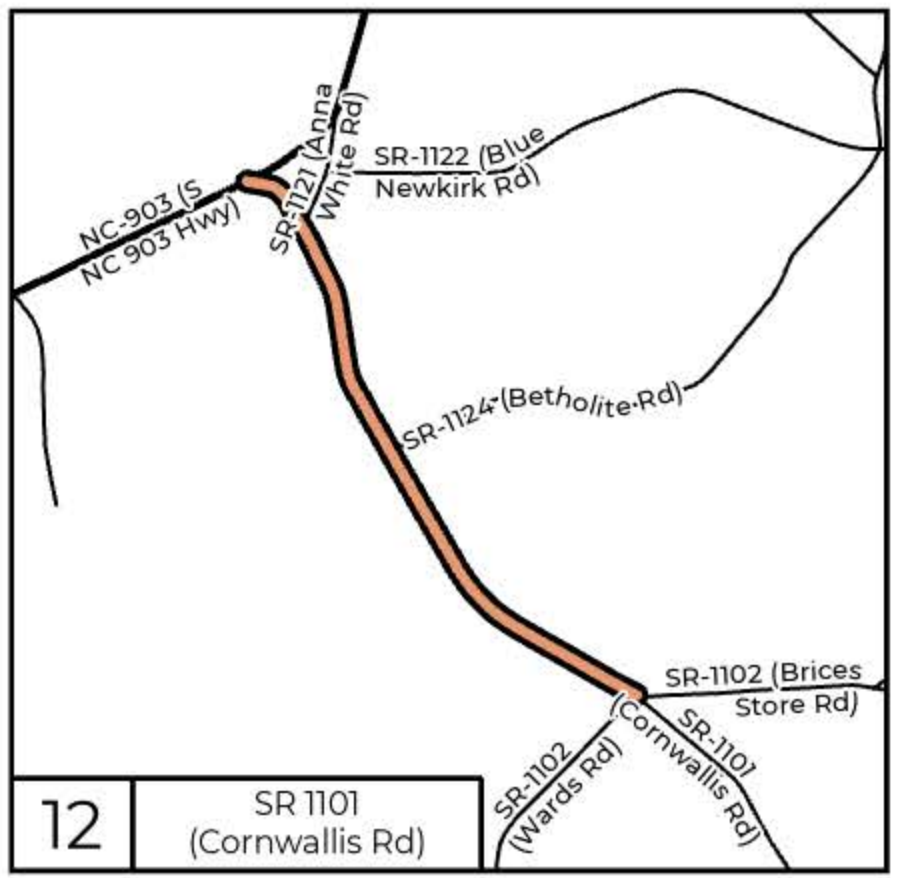
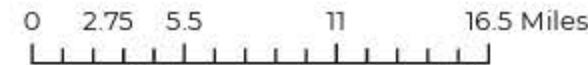
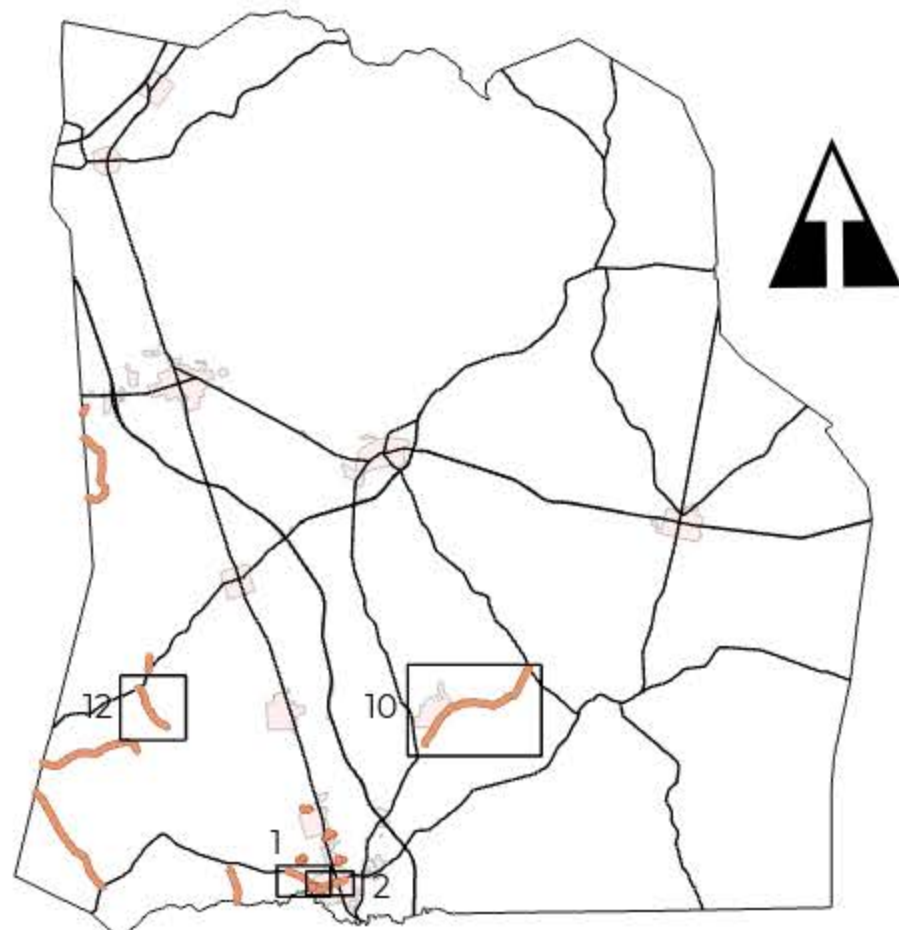


Table of Contents

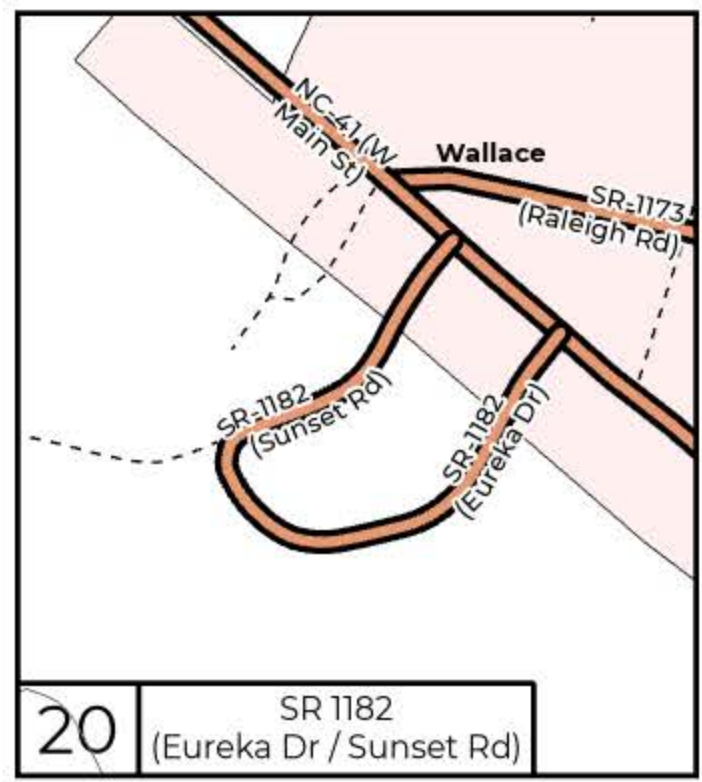
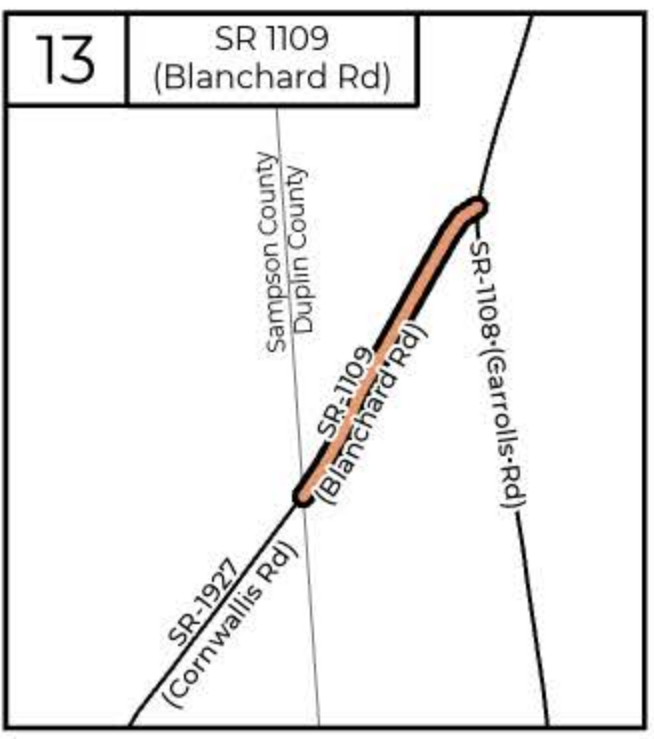
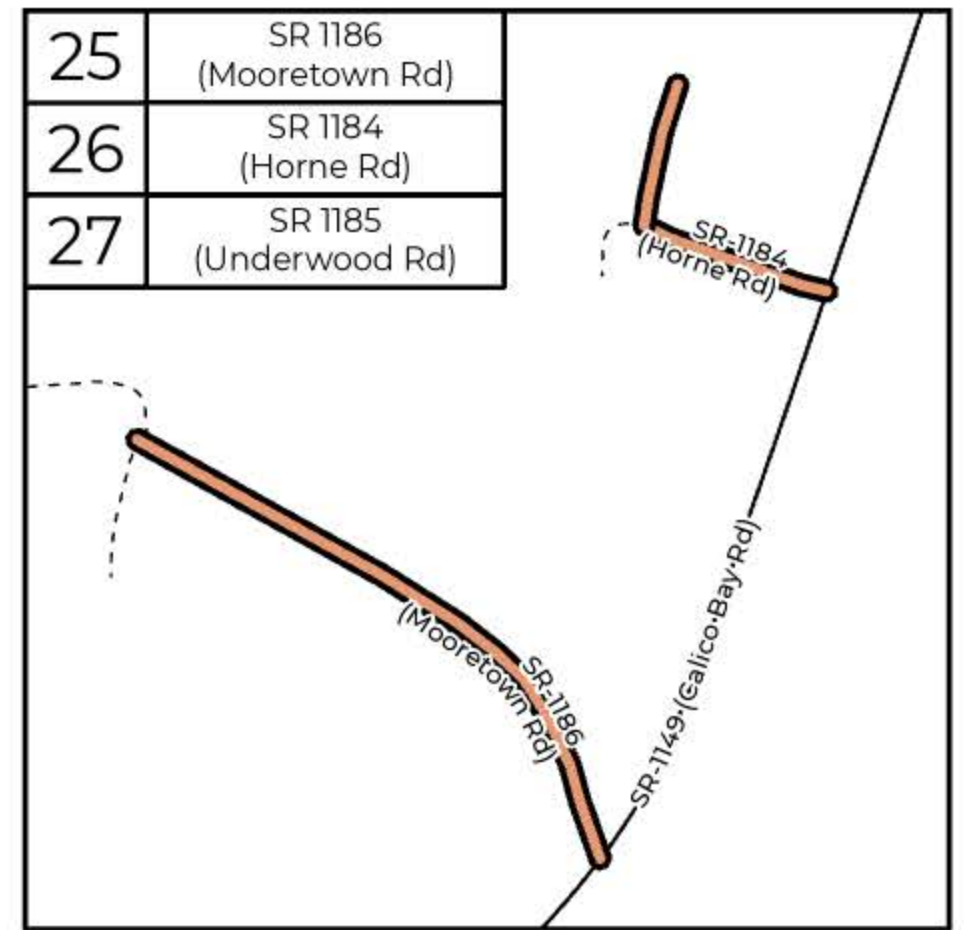
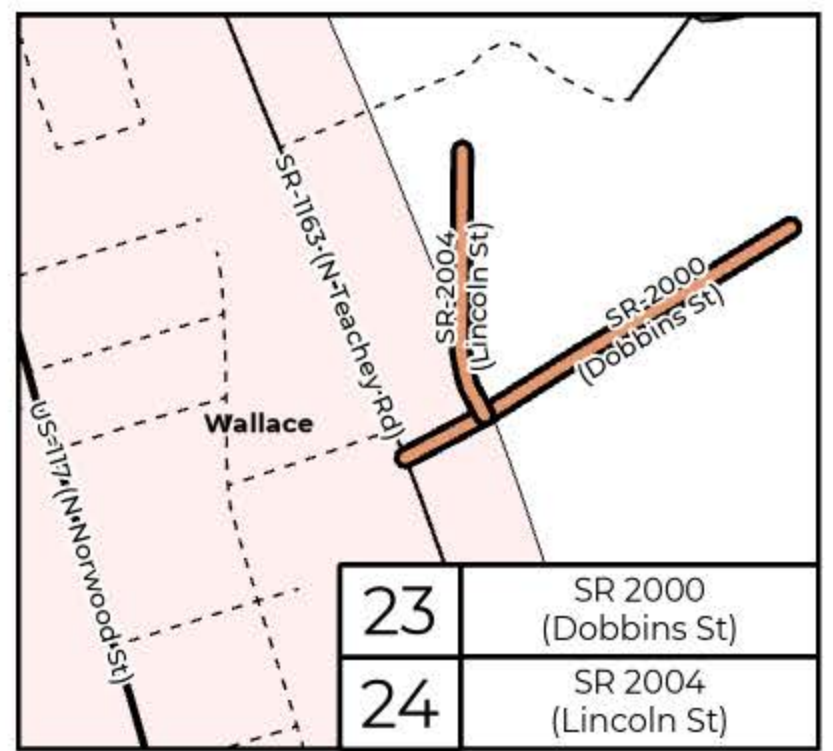
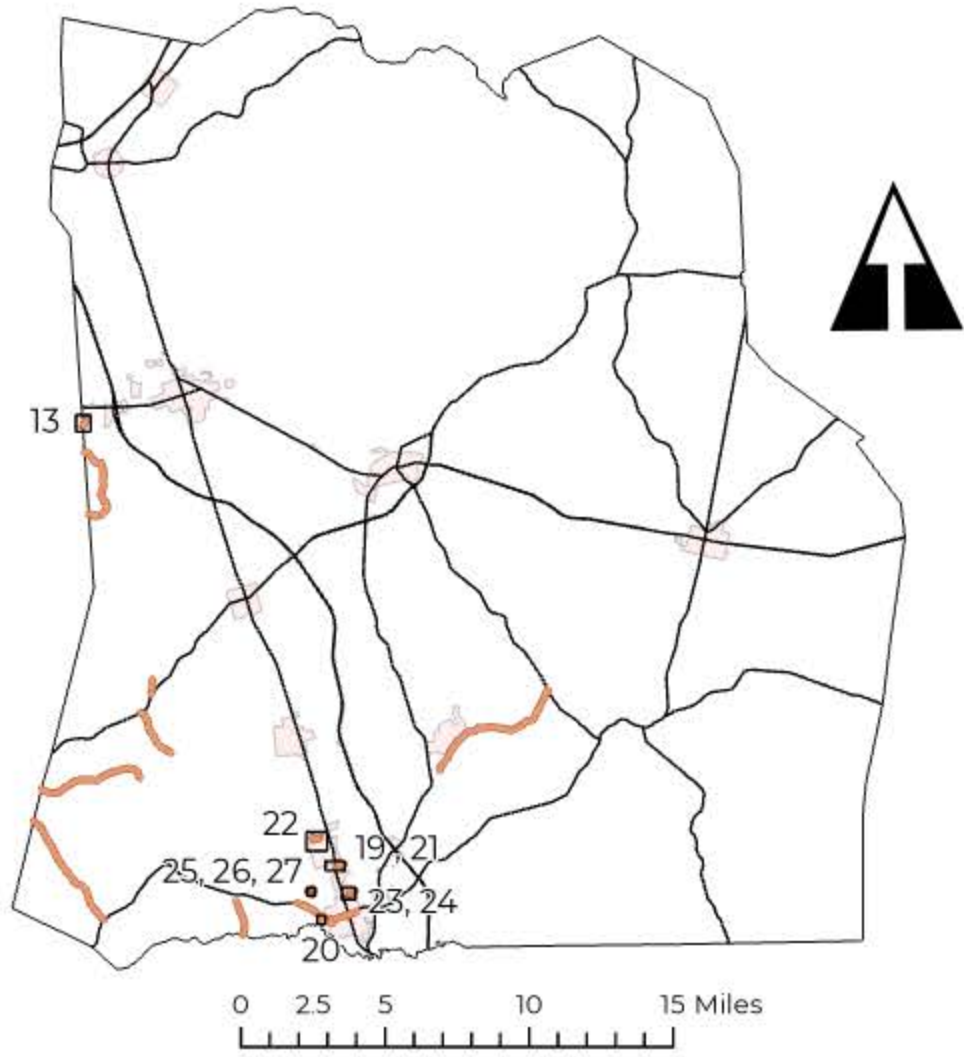
Maps	Sheet No.
1, 2, 10, and 12	2
13, 19, 27	3
34, 36, 38, 43	4



Duplin County 1, 2, 10, and 12

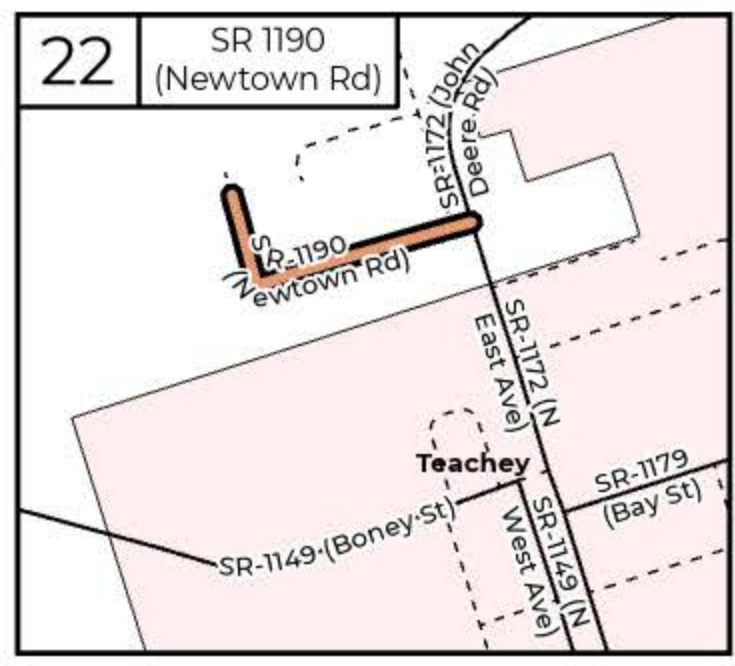
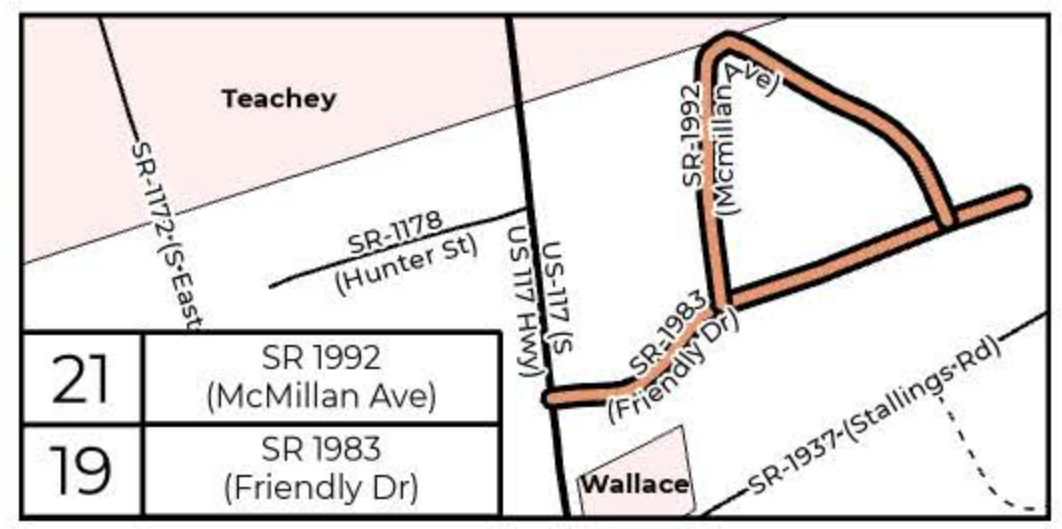


Duplin County 13, 19-27

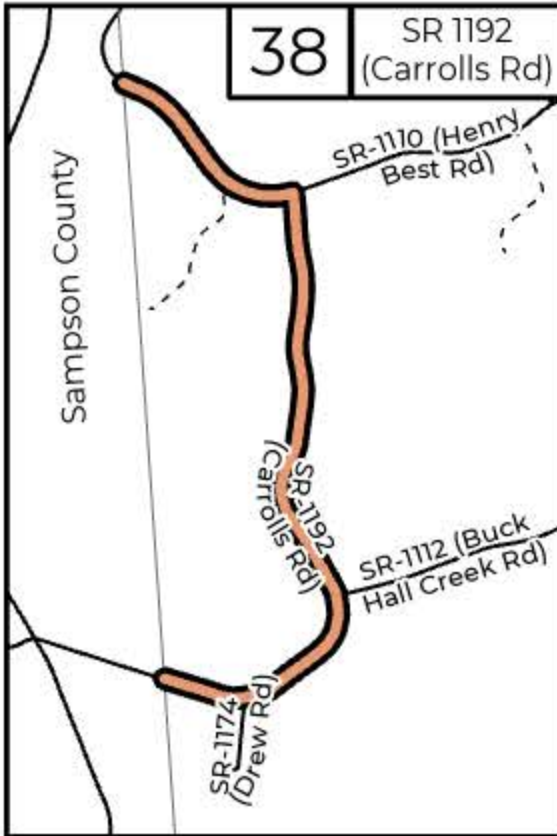
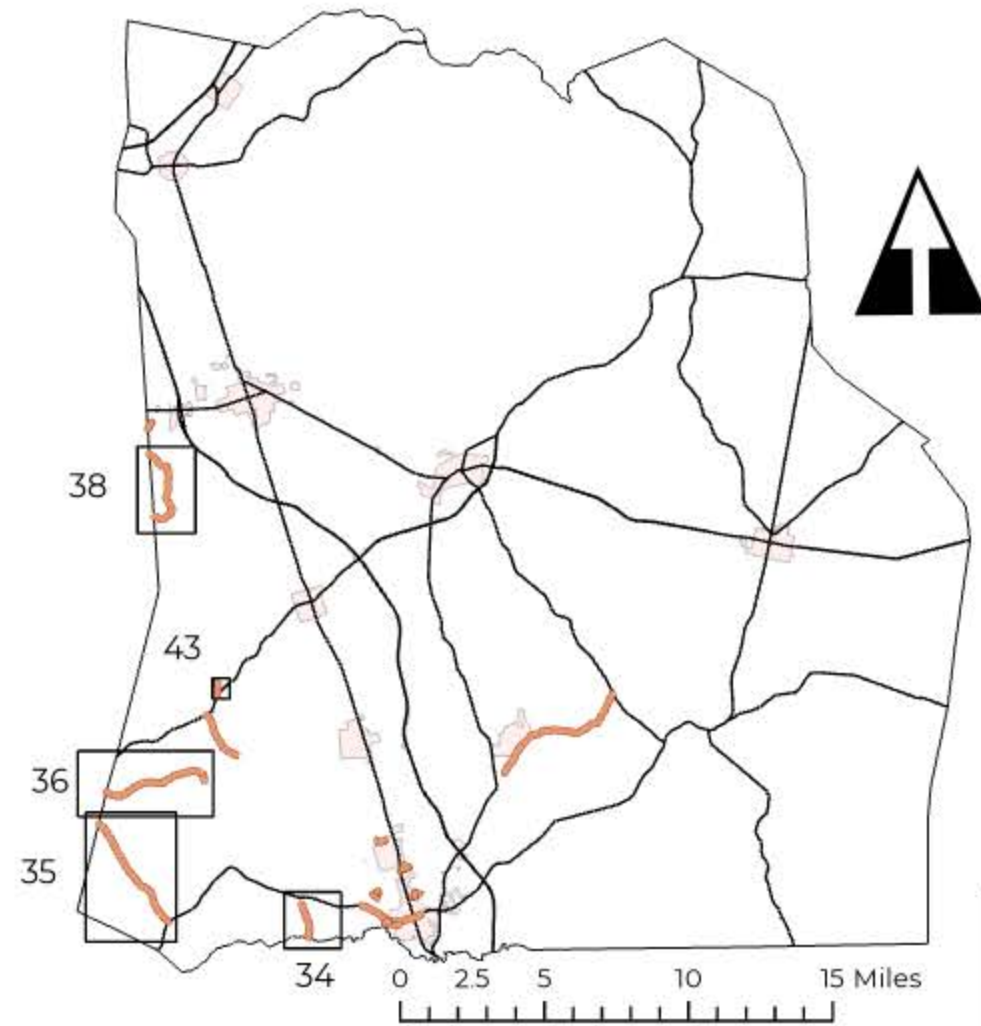


Legend

- Bridge
- State Maintained Road
- ▬ Road Section
- - - Municipality Road

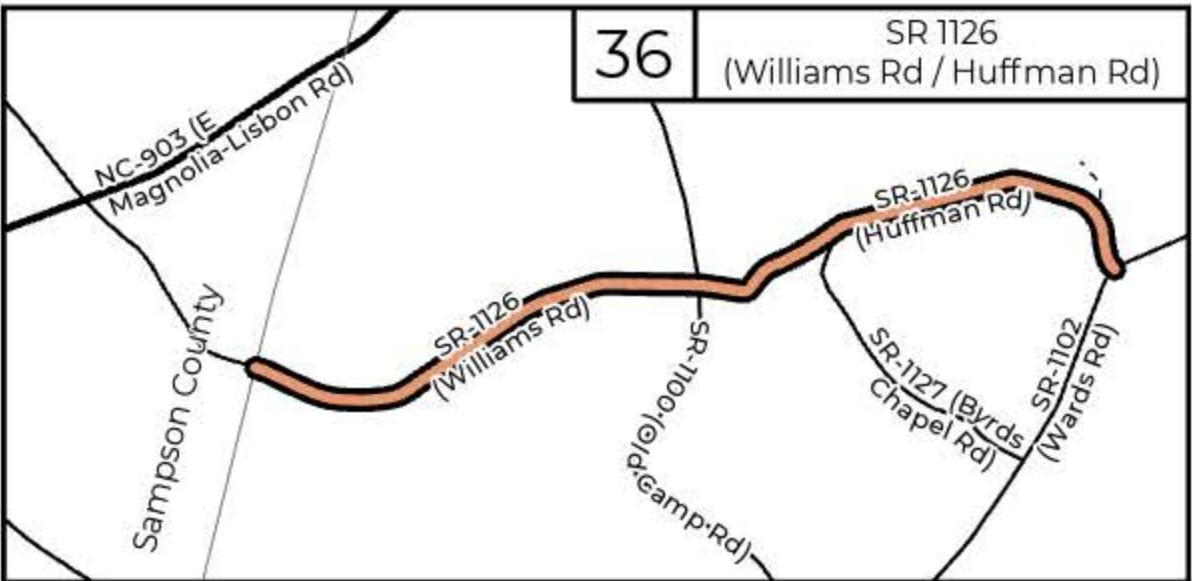
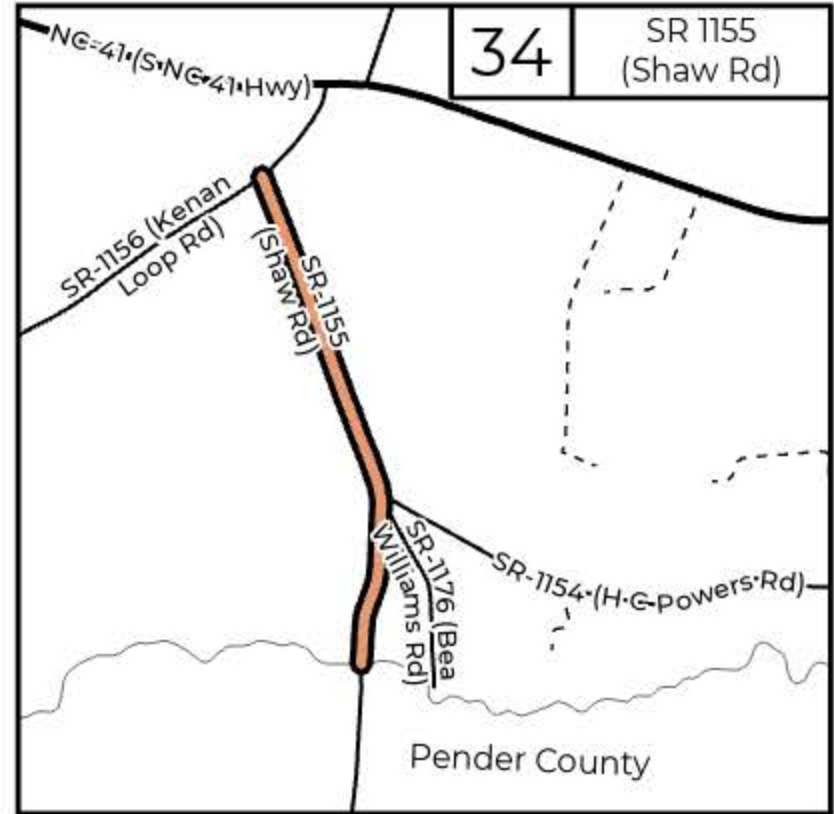
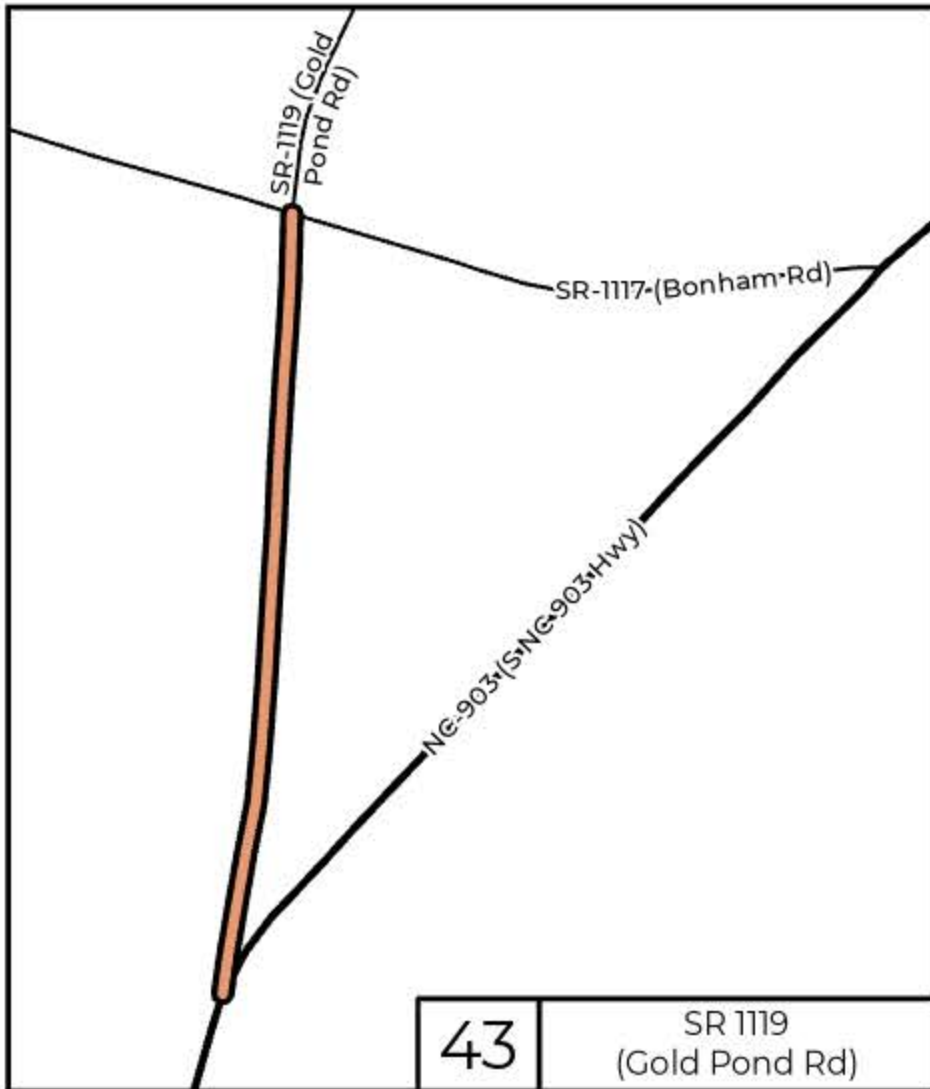


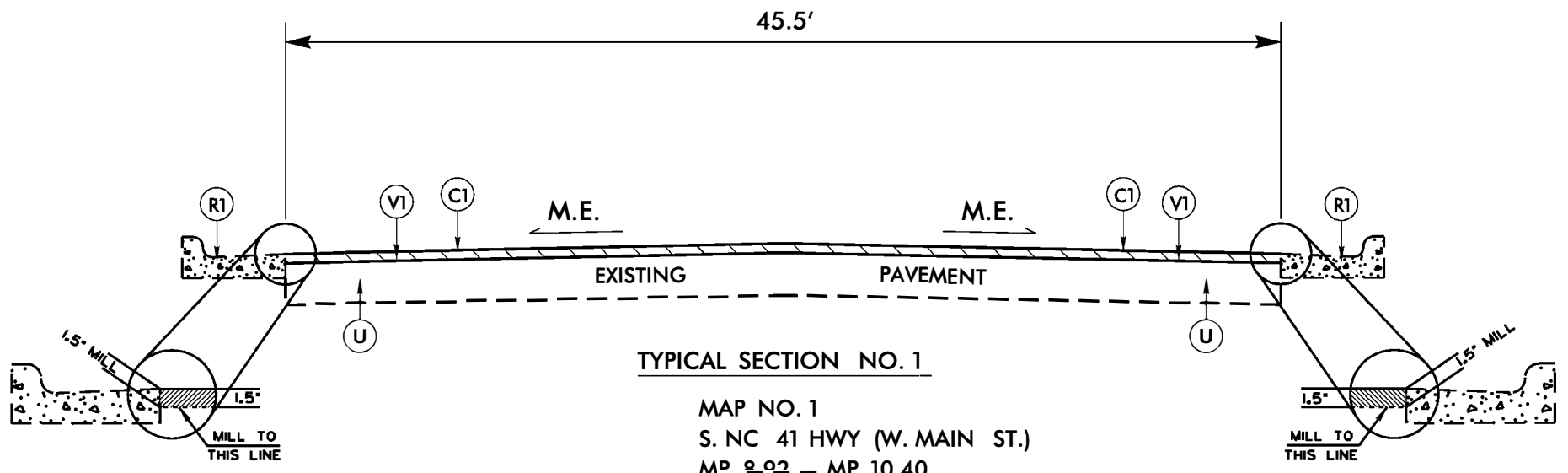
Duplin County 34-36, 38, 43



Legend

- Bridge
- State Maintained Road
- Road Section
- Municipality Road

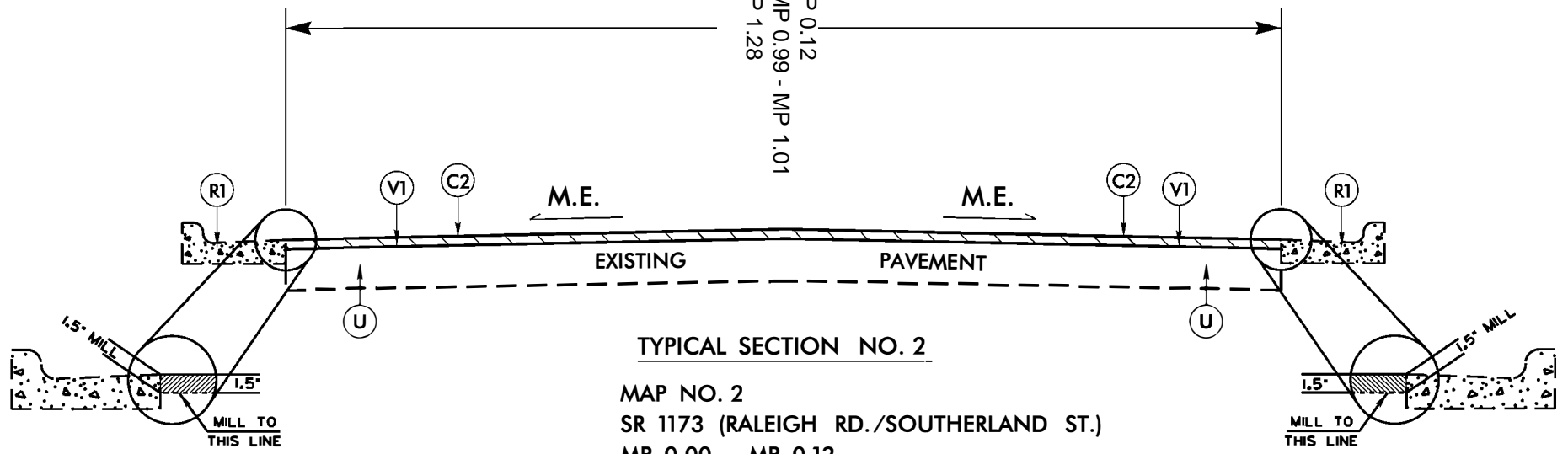




TYPICAL SECTION NO. 1

MAP NO. 1
S. NC 41 HWY (W. MAIN ST.)
MP 9.99 - MP 10.40
NO WORK MP 0.99 - MP 1.01
MP 1.01 - MP 1.28
MP 0.00 - MP 0.12

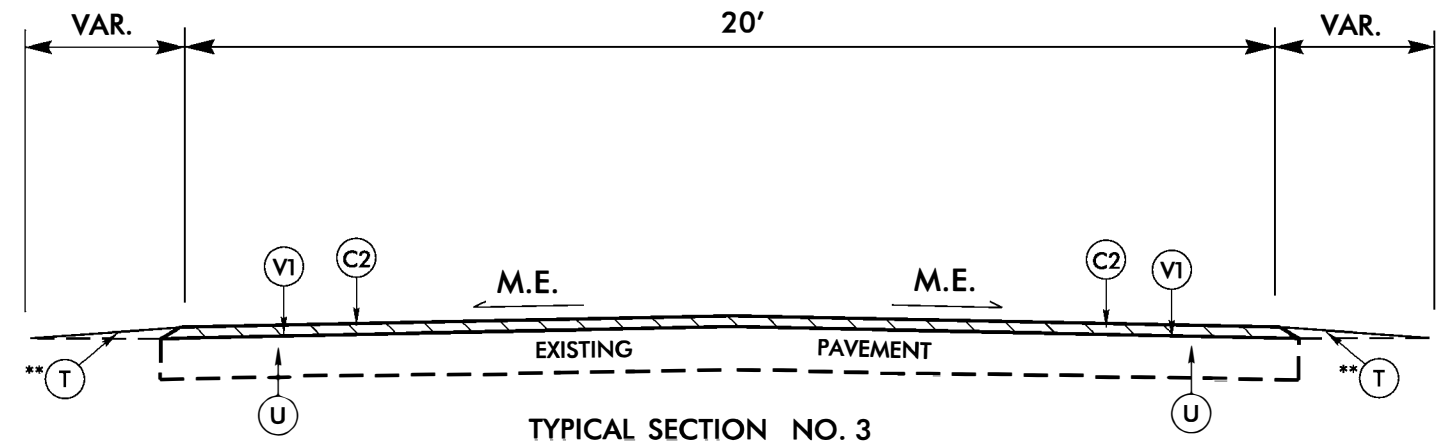
NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY (AND SECONDARY ROUTE -Y- LINE TIE-INS)



TYPICAL SECTION NO. 2

MAP NO. 2
SR 1173 (RALEIGH RD./SOUTHERLAND ST.)
MP 0.00 - MP 0.12
MP 0.99 - MP 1.28

NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY (AND SECONDARY ROUTE -Y- LINE TIE-INS)



TYPICAL SECTION NO. 3

MAP NO. 2
SR 1173 (RALEIGH RD./SOUTHERLAND ST.)
MP 0.12 - MP 0.99

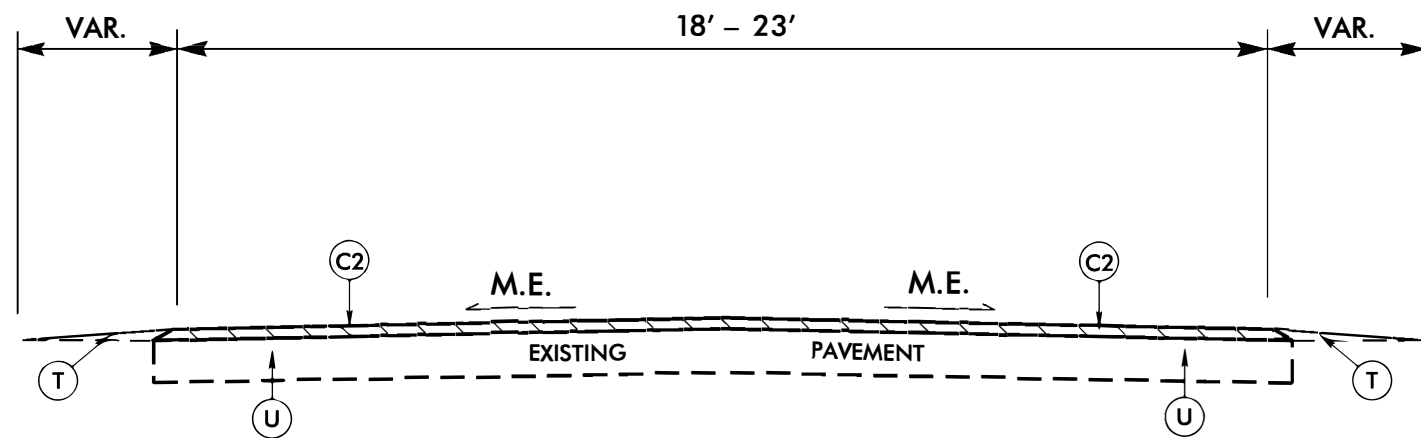
NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY

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

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
C4	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 100 LBS. PER SQ.YD.
E1	PROP. APPROX. 4" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ.YD.
F1	ASPHALT SURFACE TREATMENT - #67 MAT COAT (GRANITE) STONE
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1½" DEPTH
V2	MILLING ASPHALT PAVEMENT, 1" DEPTH

REVISIONS

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 8/17/99



TYPICAL SECTION NO. 4

MAP NO. 3
SR 1809 (EDMUND BRINSON RD.)
MP 0.00 – MP 1.67

MAP NO. 7
SR 1004 (RONES CHAPEL RD.)
MP 13.73 – MP 15.96
MP 16.12 – MP 16.20

MAP NO. 10
SR 1953 (PASTURE BRANCH RD.)
MP 1.47 – MP 5.63

MAP NO. 13
SR 1109 (BLANCHARD RD.)
MP 0.00 – MP 0.28

MAP NO. 4
SR 1715 (FOUNTAIN TOWN RD.)
MP 6.79 – MP 10.13

MAP NO. 8
SR 1975 (LIGHTHOUSE RD.)
MP 0.94 – MP 2.52

MAP NO. 11
SR 1006 (W TRADE RD.)
MP 0.00 – MP 1.97

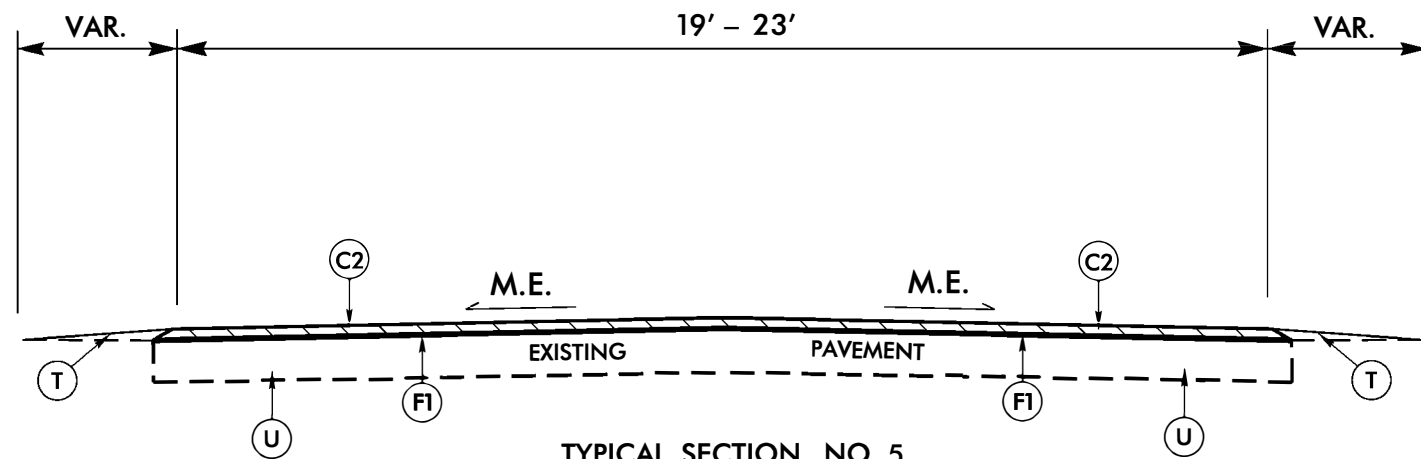
(VI) **NOTES:** MAP NO. 4 MILL 1½" FOR FLOODPLAIN FROM MP 6.90 - MP 7.20.

MAP NO. 9
SR 1398 (AIRPORT RD.)
MP 0.00 – MP 0.60

MAP NO. 12
SR 1101 (CORNWALLIS RD.)
MP 0.00 – MP 1.81
NO ASPHALT WORK BRIDGE #23

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

PAVEMENT SCHEDULE	
C2	1½" S9.5B
F1	AST-MAT COAT #67 (GRANITE) STONE
T	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT
V1	MILLING 1½" DEPTH



TYPICAL SECTION NO. 5

MAP NO. 5
SR 1004 (SUMMERLINS CROSSROAD RD.)
MP 0.00 – MP 3.60
NO ASPHALT WORK BRIDGE #105

MAP NO. 6
SR 1004 (SUMMERLINS CROSSROAD RD.)
MP 5.16 – MP 9.45
MP 9.46 – MP 11.80
SEE ALSO TYPICAL NO. 6

MAP NO. 10
SR 1953 (PASTURE BRANCH RD.)
MP 0.37 – MP 1.47

(VI) **NOTES:** MAP NO. 5 MILL 1½" FOR FLOODPLAIN FROM MP 1.80 - MP 1.90.

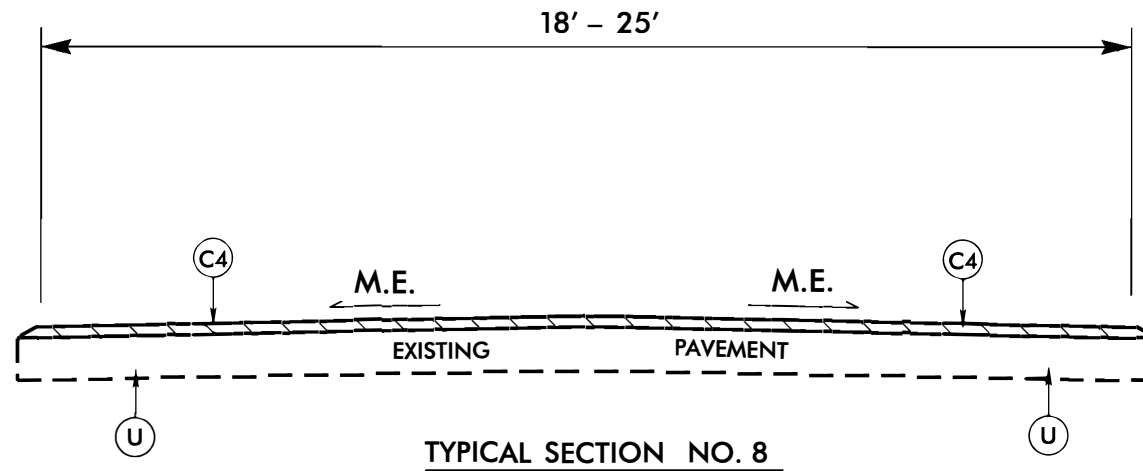
MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

REVISIONS

8/17/99

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8/17/99



PAVEMENT SCHEDULE	
C4	1" S4.75A
U	EXISTING PAVEMENT

MAP NO. 14
SR 1383 (TYNDALL ST.)
MP 0.00 – MP 0.12

MAP NO. 15
SR 1410 (FOX RIDGE RD.)
MP 0.00 – MP 0.34

MAP NO. 16
SR 1409 (GROVE CREEK AVE.)
MP 0.00 – MP 0.55

MAP NO. 17
SR 1415 (SILVER LAKE DR./LAKE SHORE DR.)
MP 0.00 – MP 0.30

MAP NO. 18
SR 1319 (NORTH DUPLIN SCHOOL RD.)
MP 0.00 – MP 0.53

MAP NO. 19
SR 1983 (FRIENDLY DR.)
MP 0.00 – MP 0.34

MAP NO. 20
SR 1182 (EUREKA/SUNSET RD.)
MP 0.00 – MP 0.33

MAP NO. 21
SR 1992 (MCMILLAN AVE.)
MP 0.00 – MP 0.37

MAP NO. 22
SR 1190 (NEWTOWN RD.)
MP 0.00 – MP 0.33

MAP NO. 23
SR 2000 (DOBBINS ST.)
MP 0.00 – MP 0.26

MAP NO. 24
SR 2004 (LINCOLN ST.)
MP 0.00 – MP 0.16

MAP NO. 25
SR 1186 (MOORETOWN RD.)
MP 0.00 – MP 0.20

MAP NO. 26
SR 1184 (HORNE RD.)
MP 0.00 – MP 0.06

MAP NO. 27
SR 1185 (UNDERWOOD RD.)
MP 0.00 – MP 0.04

MAP NO. 44
SR 1978 (LAWTON RD.)
MP 0.00 – MP 0.50

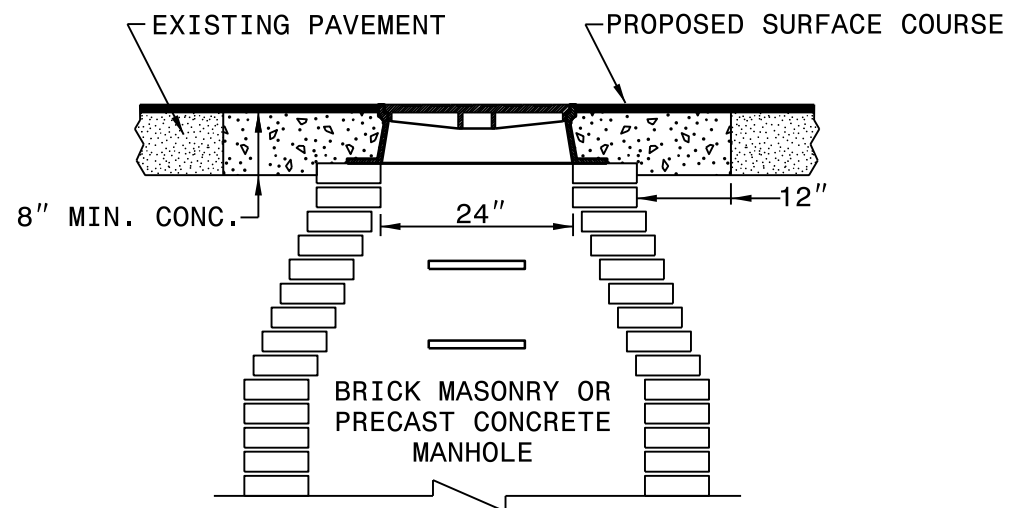
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

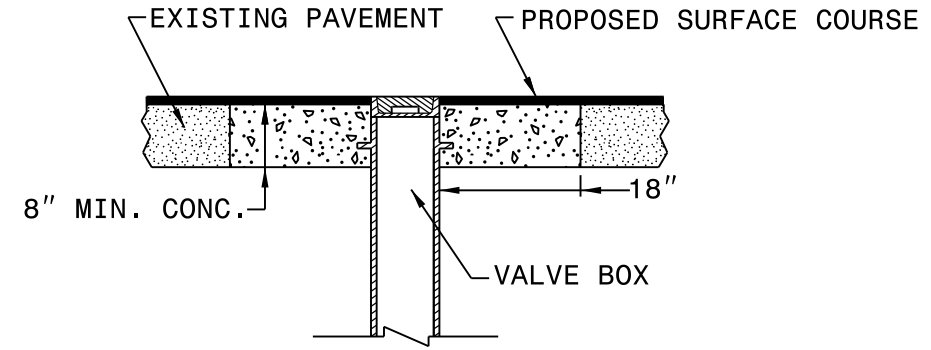
SHEET 1 OF 1
840D55

GENERAL NOTES:

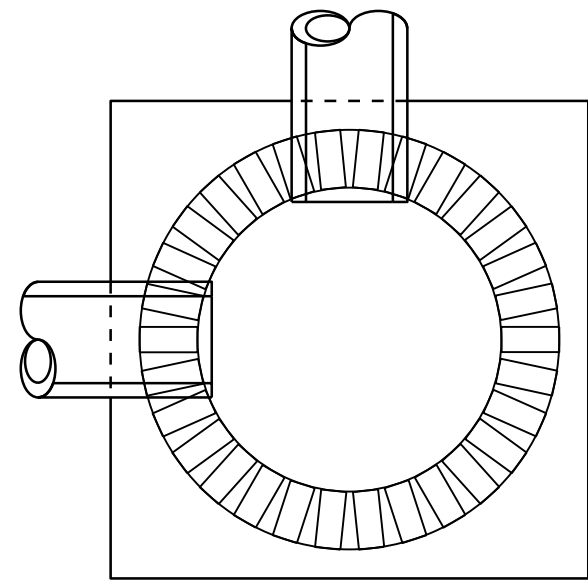
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL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

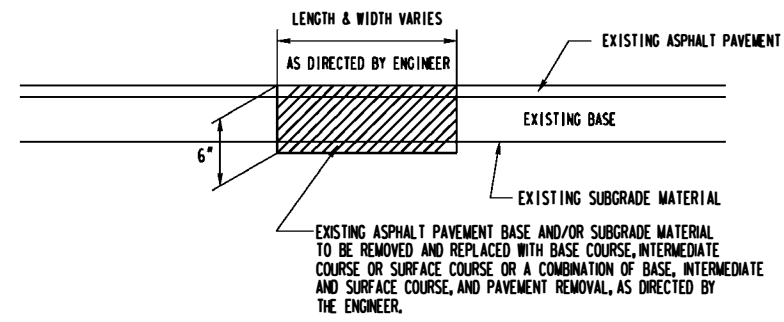
ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1
840D55

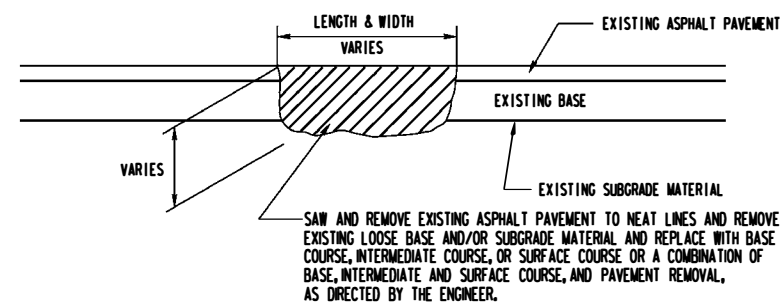
REVISIONS

28-NOV-2017 10:49
S:\Division Resurfacing\z Design Standards & Specifications\Drawings\Tutorials\Curb, Etc.rwdgn
8/17/99

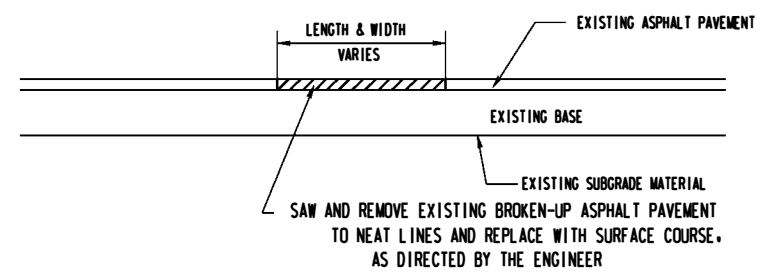
DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



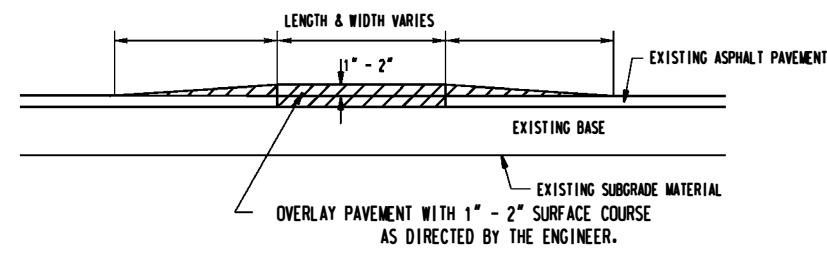
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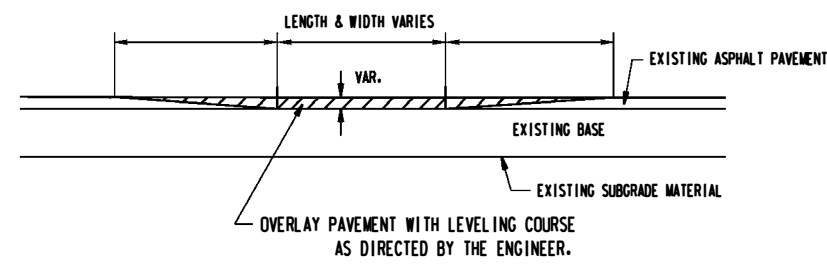
DETAIL NO. 2



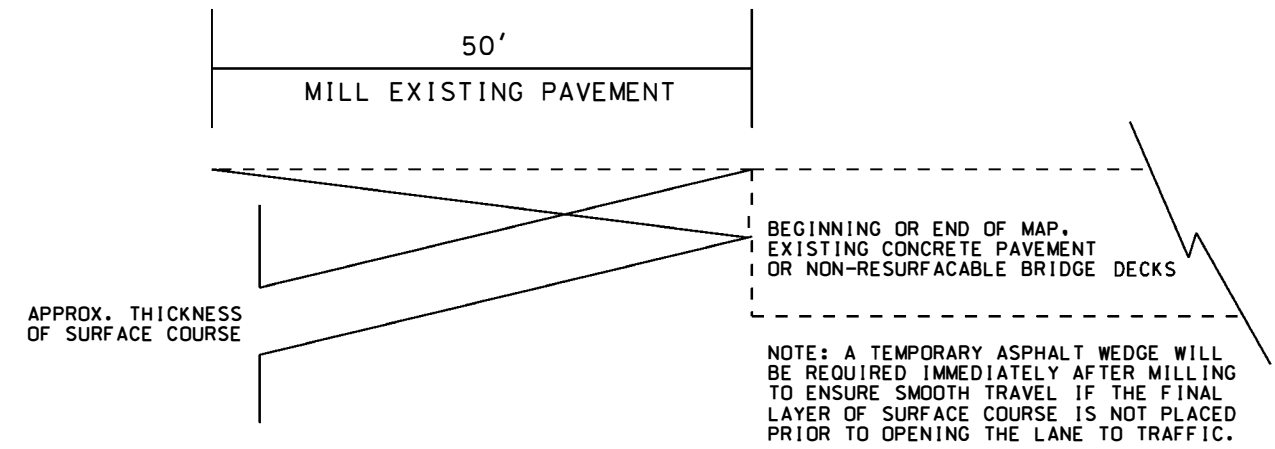
DETAIL NO. 3



DETAIL NO. 4



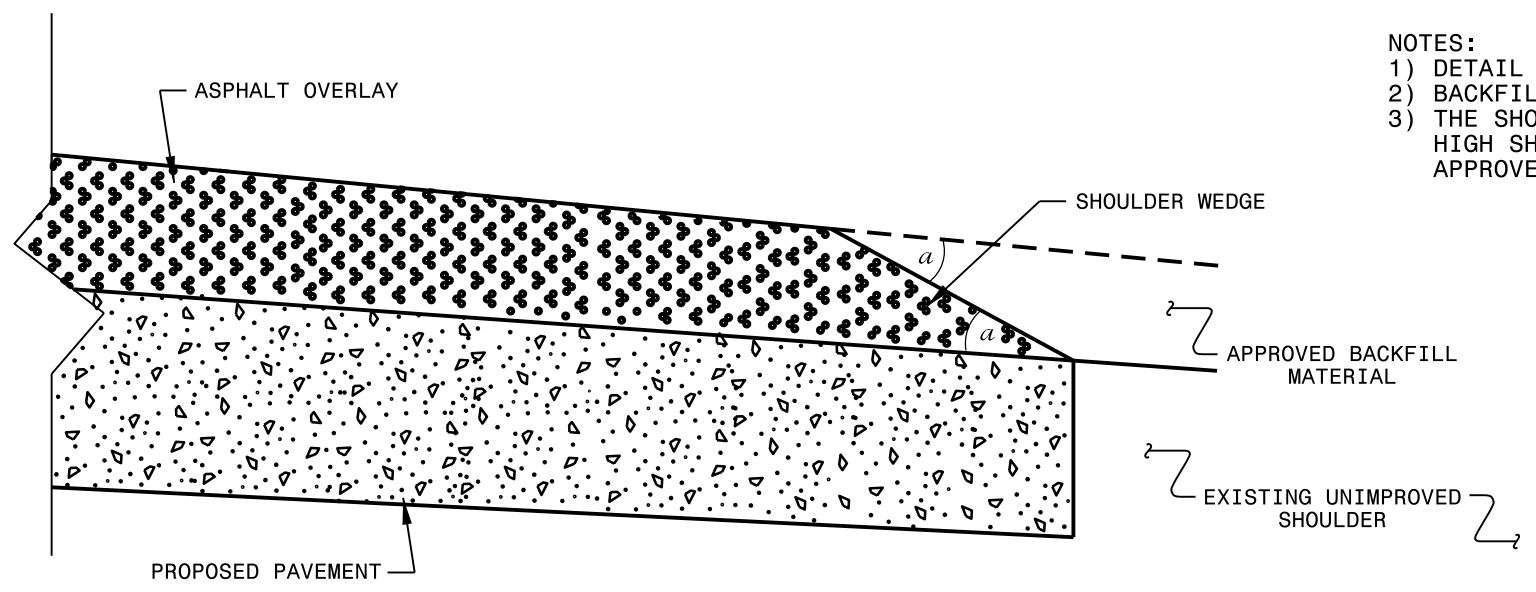
DETAIL NO. 5



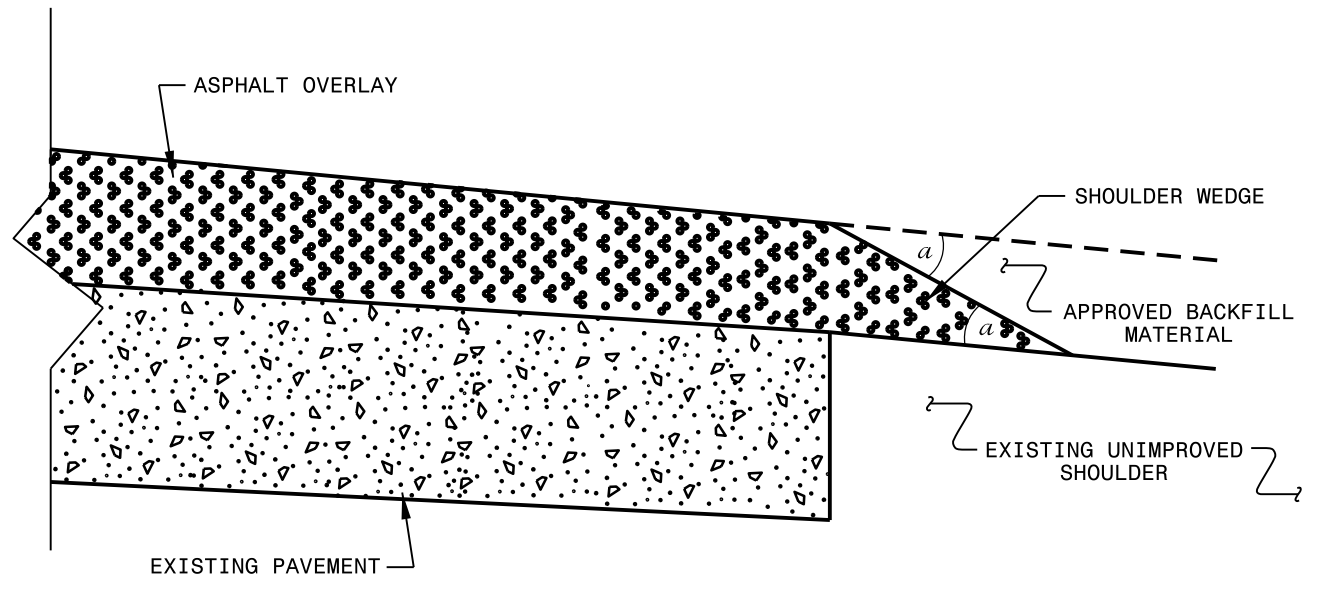
DETAIL FOR MILLING & INCIDENTAL MILLING PAY ITEMS:
MAY BE USED AT THE BEGINNING & END OF MAPS
AND AT APPROACH & TRAILING ENDS OF BRIDGES

5/14/99
c:\28-SEP-2018 07:50 Sheets\Microstation Files\Roadj_patch.dgn

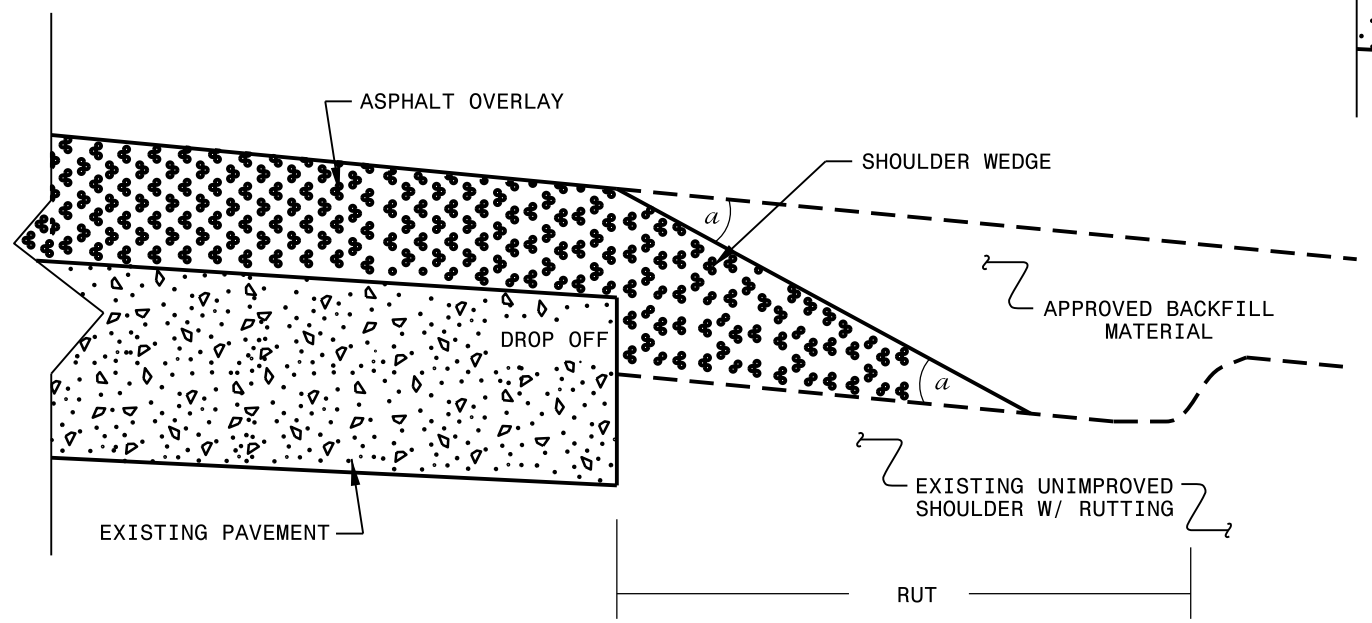
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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
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 3\Sampson August 2018 Revised Shoulder Wedge Detail.dgn
 20180622 10:52:42
 T.SPELL

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	1523000000-E	1526000000-E	1575000000-E	1775500000-E	1838000000-E	1880000000-E											
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONST.	1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, \$9.5B	SURFACE COURSE, \$9.5B (SHORT OVERLAY)	LEVELING COURSE, \$9.5B	SURFACE COURSE, \$9.5C	SURFACE COURSE, \$4.75A	ASPHALT BINDER FOR PLANT MIX	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE (GRANITE)	EMULSION FOR ASPHALT SURFACE TREATMENT	PATCHING EXISTING PAVEMENT (FULL DEPTH)	PATCHING EXISTING PAVEMENT (MILL)									
												MI	FT	CY	TON	SMI	SY	SY	TON	TONS	TON	TON	TON	TON	TON	TON									
2021CPT.03.04.10311	Duplin	1	S. NC 41 HWY (W. MAIN ST.)	(WALLACE) FROM SR 1154 (HC POWERS RD.) TO SR 1165 (N. ROCKFISH ST.) [MP 8.92 - 10.40]	1	4	MU	NO	NO	1.48	45.5				41,958			36	3,633					220		95									
TOTAL FOR MAP NO. 1												1.48					41,958		36	3,633				220		95									
TOTAL FOR PROJ NO. 2021CPT.03.04.10311												1.48					41,958		36	3,633				220		95									
2021CPT.03.04.20311	Duplin	2	SR 1173 (RALEIGH RD. / SOUTHERLAND ST.)	FROM SR 1163 TO NC 41 [MP 0.00 - MP 1.27]	2,3	2	2WU	NO	NO	1.27	20 - 45	40	25	0.90	22,600											75									
TOTAL FOR MAP NO. 2												1.27					22,600									75									
2021CPT.03.04.20311	Duplin	10	SR 1953 (PASTURE BRANCH RD.)	FROM SR 1947 TO NC 50 [MP 0.37 - MP 5.63]	4,5	2	2WU	NO	NO	5.26	19	165	200	10.52		100	5,356								359	12,262	4,905	25	25						
TOTAL FOR MAP NO. 10												5.26						165	200	10.52	100	5,356				359	12,262	4,905	25	25					
2021CPT.03.04.20311	Duplin	12	SR 1101 (CORNWALLIS RD.)	FROM NC 903 TO SR 1102 [MP 0.00 - MP 1.81]	4	2	2WU	NO	NO	1.81	23	57	50	1.81		511	2,026		30						138		25	25							
TOTAL FOR MAP NO. 12												1.81						57	50	1.81	511	2,026		30		138		25	25						
2021CPT.03.04.20311	Duplin	13	SR 1109 (BLANCHARD RD.)	FROM SR 1108 TO SAMPSON CO LINE [MP 0.00 - MP 0.28]	4	2	2WU	NO	NO	0.28	20	9	50	0.56		112	273		20						20										
TOTAL FOR MAP NO. 13												0.28						9	50	0.56	112	273		20		20									
TOTAL FOR PROJ NO. 2021CPT.03.04.20311												8.62						271	325	13.79	22,600	723	9,841	50		663	12,262	4,905	125	50					
2021CPT.03.04.20312	Duplin	19	SR 1983 (FRIENDLY DR.)	FROM US 117 TO END OF MAINTENANCE [MP 0.00 - MP 0.34]	8	2	2WU	NO	NO	0.34	19														216	15									
TOTAL FOR MAP NO. 19												0.34															216	15							
2021CPT.03.04.20312	Duplin	20	SR 1182 (EUREKA / SUNSET RD.)	FROM NC 41 TO NC 41 [MP 0.00 - MP 0.33]	8	2	2WU	NO	NO	0.33	18														198	14									
TOTAL FOR MAP NO. 20												0.33															198	14							
2021CPT.03.04.20312	Duplin	21	SR 1992 (MCMILLAN AVE.)	FROM SR 1983 TO SR 1983 [MP 0.00 - MP 0.37]	8	2	2WU	NO	NO	0.37	18														217	15									
TOTAL FOR MAP NO. 21												0.37															217	15							
2021CPT.03.04.20312	Duplin	22	SR 1190 (NEWTOWN RD.)	FROM SR 1172 TO END OF MAINTENANCE [MP 0.00 - MP 0.33]	8	2	2WU	NO	NO	0.33	18														193	14									
TOTAL FOR MAP NO. 22												0.33															193	14							
2021CPT.03.04.20312	Duplin	23	SR 2000 (DOBBINS ST.)	FROM SR 1163 TO END OF MAINTENANCE [MP 0.00 - MP 0.26]	8	2	2WU	NO	NO	0.26	20														163	11									
TOTAL FOR MAP NO. 23												0.26															163	11							
2021CPT.03.04.20312	Duplin	24	SR 2004 (LINCOLN ST.)	FROM SR 2000 TO CUL-DE-SAC [MP 0.00 - MP 0.16]	8	2	2WU	NO	NO	0.16	21														110	8									
TOTAL FOR MAP NO. 24												0.16															110	8							
2021CPT.03.04.20312	Duplin	25	SR 1186 (MOORETOWN RD.)	FROM SR 1149 TO END OF MAINTENANCE [MP 0.00 - MP 0.20]	8	2	2WU	NO	NO	0.2	18														117	8									
TOTAL FOR MAP NO. 25												0.2															117	8							
2021CPT.03.04.20312	Duplin	26	SR 1184 (HORNE RD.)	FROM SR 1149 TO SR 1185 [MP 0.00 - MP 0.06]	8	2	2WU	NO	NO	0.06	18														35	2									
TOTAL FOR MAP NO. 26												0.06															35	2							
2021CPT.03.04.20312	Duplin	27	SR 1185 (UNDERWOOD RD.)	FROM SRT 1184 TO END OF MAINTENANCE [MP 0.00 - MP 0.04]	8	2	2WU	NO	NO	0.04	18														23	2									
TOTAL FOR MAP NO. 27												0.04															23	2							
2021CPT.03.04.20312	Duplin	34	SR 1155 (SHAW RD.)	FROM SR 1156 TO PENDER COUNTY LINE [MP 0.00 - MP 1.24]	N/A	2	2WU	NO	NO	1.24	20														230	15									
TOTAL FOR MAP NO. 34												1.24															230	15							
2021CPT.03.04.20312	Duplin	35	SR 1128 (POWELL PAGE RD.)	FROM SAMPSON COUNTY LINE TO NC 41 [MP 0.00 - MP 4.29]	N/A	2	2WU	NO	NO	4.29	20														197	13									
TOTAL FOR MAP NO. 35												4.29															197	13							
2021CPT.03.04.20312	Duplin	36	SR 1126 (HUFFMAN/WILLIAMS RD.)	FROM SAMPSON COUNTY LINE TO SR 1102 [MP 0.00 - MP 3.86]	N/A	2	2WU	NO	NO	3.86	20														221	15									
TOTAL FOR MAP NO. 36												3.86															221	15							
2021CPT.03.04.20312	Duplin	38	SR 1192 (CARROLLS RD.)	FROM SAMPSON COUNTY LINE TO SAMPSON COUNTY LINE [MP 0.00 - MP 3.15]	N/A	2	2WU	NO	NO	3.15	20														247	17									
TOTAL FOR MAP NO. 38												3.15															247	17							
2021CPT.03.04.20312	Duplin	43	SR 1119 (GOLD POND RD.)	FROM NC 903 TO SR 1117 [MP 0.00 - MP 0.51]	N/A	2	2WU	NO	NO	0.51	20														242	16									
TOTAL FOR MAP NO. 43												0.51															242	16							
TOTAL FOR PROJ NO. 2021CPT.03.04.20312												15.14															1,137	1,137		1,272	1,048	12,262	4,905	220	50
GRAND TOTAL												25.24															10,978	86	3,633	1,272	1,048	12,262	4,905	220	50

PROJECT NO.	SHEET NO.
2021CPT.03.04.10311, ETC.	12

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	2600000000-N	2612000000-E	2738000000-E	2752000000-E	2759000000-N	2815000000-N	2830000000-N	2845000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E	6036000000-E	6042000000-E			
									EA	SY	SY	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
2021CPT.03.04.10311	Duplin	1	S. NC 41 HWY (W. MAIN ST.)	(WALLACE) FROM SR 1154 (HC POWERS RD.) TO SR 1165 (N. ROCKFISH ST.) [MP 8.92 - 10.40]	1	4	MU	NO		8		250															
TOTAL FOR MAP NO. 1										8		250															
TOTAL FOR PROJ NO. 2021CPT.03.04.10311										8		250															
2021CPT.03.04.20311	Duplin	2	SR 1173 (RALEIGH RD. / SOUTHERLAND ST.)	FROM SR 1163 TO NC 41 [MP 0.00 - MP 1.27]	2,3	2	2WU	NO	1		25	650	3	3	20	19	70	18	18	0.70	35	0.18	10	35			
TOTAL FOR MAP NO. 2									1		25	650	3	3	20	19	70	18	18	0.70	35	0.18	10	35			
2021CPT.03.04.20311	Duplin	10	SR 1953 (PASTURE BRANCH RD.)	FROM SR 1947 TO NC 50 [MP 0.37 - MP 5.63]	4,5	2	2WU	NO								526	132	132	5.26	263	2.64	40	526				
TOTAL FOR MAP NO. 10																526	132	132	5.26	263	2.64	40	526				
2021CPT.03.04.20311	Duplin	12	SR 1101 (CORNWALLIS RD.)	FROM NC 903 TO SR 1102 [MP 0.00 - MP 1.81]	4	2	2WU	NO								181	45	45	1.81	91	0.45	20	91				
TOTAL FOR MAP NO. 12																181	45	45	1.81	91	0.45	20	91				
2021CPT.03.04.20311	Duplin	13	SR 1109 (BLANCHARD RD.)	FROM SR 1108 TO SAMPSON CO LINE [MP 0.00 - MP 0.28]	4	2	2WU	NO								28	7	7	0.28	14	0.07	10	14				
TOTAL FOR MAP NO. 13																28	7	7	0.28	14	0.07	10	14				
TOTAL FOR PROJ NO. 2021CPT.03.04.20311									1		25	650	3	3	20	19	805	202	202	8.05	403	3.34	80	666			
2021CPT.03.04.20312	Duplin	19	SR 1983 (FRIENDLY DR.)	FROM US 117 TO END OF MAINTENANCE [MP 0.00 - MP 0.34]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 19																											
2021CPT.03.04.20312	Duplin	20	SR 1182 (EUREKA / SUNSET RD.)	FROM NC 41 TO NC 41 [MP 0.00 - MP 0.33]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 20																											
2021CPT.03.04.20312	Duplin	21	SR 1992 (MCMILLAN AVE.)	FROM SR 1983 TO SR 1983 [MP 0.00 - MP 0.37]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 21																											
2021CPT.03.04.20312	Duplin	22	SR 1190 (NEWTOWN RD.)	FROM SR 1172 TO END OF MAINTENANCE [MP 0.00 - MP 0.33]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 22																											
2021CPT.03.04.20312	Duplin	23	SR 2000 (DOBBINS ST.)	FROM SR 1163 TO END OF MAINTENANCE [MP 0.00 - MP 0.26]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 23																											
2021CPT.03.04.20312	Duplin	24	SR 2004 (LINCOLN ST.)	FROM SR 2000 TO CUL-DE-SAC [MP 0.00 - MP 0.16]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 24																											
2021CPT.03.04.20312	Duplin	25	SR 1186 (MOORETOWN RD.)	FROM SR 1149 TO END OF MAINTENANCE [MP 0.00 - MP 0.20]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 25																											
2021CPT.03.04.20312	Duplin	26	SR 1184 (HORNE RD.)	FROM SR 1149 TO SR 1185 [MP 0.00 - MP 0.06]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 26																											
2021CPT.03.04.20312	Duplin	27	SR 1185 (UNDERWOOD RD.)	FROM SRT 1184 TO END OF MAINTENANCE [MP 0.00 - MP 0.04]	8	2	2WU	NO																			
TOTAL FOR MAP NO. 27																											
2021CPT.03.04.20312	Duplin	34	SR 1155 (SHAW RD.)	FROM SR 1156 TO PENDER COUNTY LINE [MP 0.00 - MP 1.24]	N/A	2	2WU	NO																			
TOTAL FOR MAP NO. 34																											
2021CPT.03.04.20312	Duplin	35	SR 1128 (POWELL PAGE RD.)	FROM SAMPSON COUNTY LINE TO NC 41 [MP 0.00 - MP 4.29]	N/A	2	2WU	NO																			
TOTAL FOR MAP NO. 35																											
2021CPT.03.04.20312	Duplin	36	SR 1126 (HUFFMAN/WILLIAMS RD.)	FROM SAMPSON COUNTY LINE TO SR 1102 [MP 0.00 - MP 3.86]	N/A	2	2WU	NO																			
TOTAL FOR MAP NO. 36																											
2021CPT.03.04.20312	Duplin	38	SR 1192 (CARROLLS RD.)	FROM SAMPSON COUNTY LINE TO SAMPSON COUNTY LINE [MP 0.00 - MP 3.15]	N/A	2	2WU	NO																			
TOTAL FOR MAP NO. 38																											
2021CPT.03.04.20312	Duplin	43	SR 1119 (GOLD POND RD.)	FROM NC 903 TO SR 1117 [MP 0.00 - MP 0.51]	N/A	2	2WU	NO																			
TOTAL FOR MAP NO. 43																											
TOTAL FOR PROJ NO. 2021CPT.03.04.20312																											
GRAND TOTAL									1	8	25	900	3	3	23	23	805	202	202	8.05	403	3.34	80	666			

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N
									WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL
									LF	AC	LB	TON	EA
2021CPT.03.04.10311	Duplin	1	S. NC 41 HWY (W. MAIN ST.)	(WALLACE) FROM SR 1154 (HC POWERS RD.) TO SR 1165 (N. ROCKFISH ST.) [MP 8.92 - 10.40]	1	4	MU	NO					
TOTAL FOR MAP NO. 1													
TOTAL FOR PROJ NO. 2021CPT.03.04.10311													
2021CPT.03.04.20311	Duplin	2	SR 1173 (RALEIGH RD. / SOUTHERLAND ST.)	FROM SR 1163 TO NC 41 [MP 0.00 - MP 1.27]	2,3	2	2WU	NO	20	0.51	35	0.18	2
TOTAL FOR MAP NO. 2									20	0.51	35	0.18	2
2021CPT.03.04.20311	Duplin	10	SR 1953 (PASTURE BRANCH RD.)	FROM SR 1947 TO NC 50 [MP 0.37 - MP 5.63]	4,5	2	2WU	NO	80	2.83	263		2
TOTAL FOR MAP NO. 10									80	2.83	263		2
2021CPT.03.04.20311	Duplin	12	SR 1101 (CORNWALLIS RD.)	FROM NC 903 TO SR 1102 [MP 0.00 - MP 1.81]	4	2	2WU	NO	30	1.32	91	0.45	2
TOTAL FOR MAP NO. 12									30	1.32	91	0.45	2
2021CPT.03.04.20311	Duplin	13	SR 1109 (BLANCHARD RD.)	FROM SR 1108 TO SAMPSON CO LINE [MP 0.00 - MP 0.28]	4	2	2WU	NO	10	0.21	14	0.07	2
TOTAL FOR MAP NO. 13									10	0.21	14	0.07	2
TOTAL FOR PROJ NO. 2021CPT.03.04.20311									140	4.87	403	0.70	8
2021CPT.03.04.20312	Duplin	19	SR 1983 (FRIENDLY DR.)	FROM US 117 TO END OF MAINTENANCE [MP 0.00 - MP 0.34]	8	2	2WU	NO					
TOTAL FOR MAP NO. 19													
2021CPT.03.04.20312	Duplin	20	SR 1182 (EUREKA / SUNSET RD.)	FROM NC 41 TO NC 41 [MP 0.00 - MP 0.33]	8	2	2WU	NO					
TOTAL FOR MAP NO. 20													
2021CPT.03.04.20312	Duplin	21	SR 1992 (MCMILLAN AVE.)	FROM SR 1983 TO SR 1983 [MP 0.00 - MP 0.37]	8	2	2WU	NO					
TOTAL FOR MAP NO. 21													
2021CPT.03.04.20312	Duplin	22	SR 1190 (NEWTOWN RD.)	FROM SR 1172 TO END OF MAINTENANCE [MP 0.00 - MP 0.33]	8	2	2WU	NO					
TOTAL FOR MAP NO. 22													
2021CPT.03.04.20312	Duplin	23	SR 2000 (DOBBINS ST.)	FROM SR 1163 TO END OF MAINTENANCE [MP 0.00 - MP 0.26]	8	2	2WU	NO					
TOTAL FOR MAP NO. 23													
2021CPT.03.04.20312	Duplin	24	SR 2004 (LINCOLN ST.)	FROM SR 2000 TO CUL-DE-SAC [MP 0.00 - MP 0.16]	8	2	2WU	NO					
TOTAL FOR MAP NO. 24													
2021CPT.03.04.20312	Duplin	25	SR 1186 (MOORETOWN RD.)	FROM SR 1149 TO END OF MAINTENANCE [MP 0.00 - MP 0.20]	8	2	2WU	NO					
TOTAL FOR MAP NO. 25													
2021CPT.03.04.20312	Duplin	26	SR 1184 (HORNE RD.)	FROM SR 1149 TO SR 1185 [MP 0.00 - MP 0.06]	8	2	2WU	NO					
TOTAL FOR MAP NO. 26													
2021CPT.03.04.20312	Duplin	27	SR 1185 (UNDERWOOD RD.)	FROM SRT 1184 TO END OF MAINTENANCE [MP 0.00 - MP 0.04]	8	2	2WU	NO					
TOTAL FOR MAP NO. 27													
2021CPT.03.04.20312	Duplin	34	SR 1155 (SHAW RD.)	FROM SR 1156 TO PENDER COUNTY LINE [MP 0.00 - MP 1.24]	N/A	2	2WU	NO					
TOTAL FOR MAP NO. 34													
2021CPT.03.04.20312	Duplin	35	SR 1128 (POWELL PAGE RD.)	FROM SAMPSON COUNTY LINE TO NC 41 [MP 0.00 - MP 4.29]	N/A	2	2WU	NO					
TOTAL FOR MAP NO. 35													
2021CPT.03.04.20312	Duplin	36	SR 1126 (HUFFMAN/WILLIAMS RD.)	FROM SAMPSON COUNTY LINE TO SR 1102 [MP 0.00 - MP 3.86]	N/A	2	2WU	NO					
TOTAL FOR MAP NO. 36													
2021CPT.03.04.20312	Duplin	38	SR 1192 (CARROLLS RD.)	FROM SAMPSON COUNTY LINE TO SAMPSON COUNTY LINE [MP 0.00 - MP 3.15]	N/A	2	2WU	NO					
TOTAL FOR MAP NO. 38													
2021CPT.03.04.20312	Duplin	43	SR 1119 (GOLD POND RD.)	FROM NC 903 TO SR 1117 [MP 0.00 - MP 0.51]	N/A	2	2WU	NO					
TOTAL FOR MAP NO. 43													
TOTAL FOR PROJ NO. 2021CPT.03.04.20312													
GRAND TOTAL									140	4.87	403	0.70	8

THERMOPLASTIC AND PAINT QUANTITIES

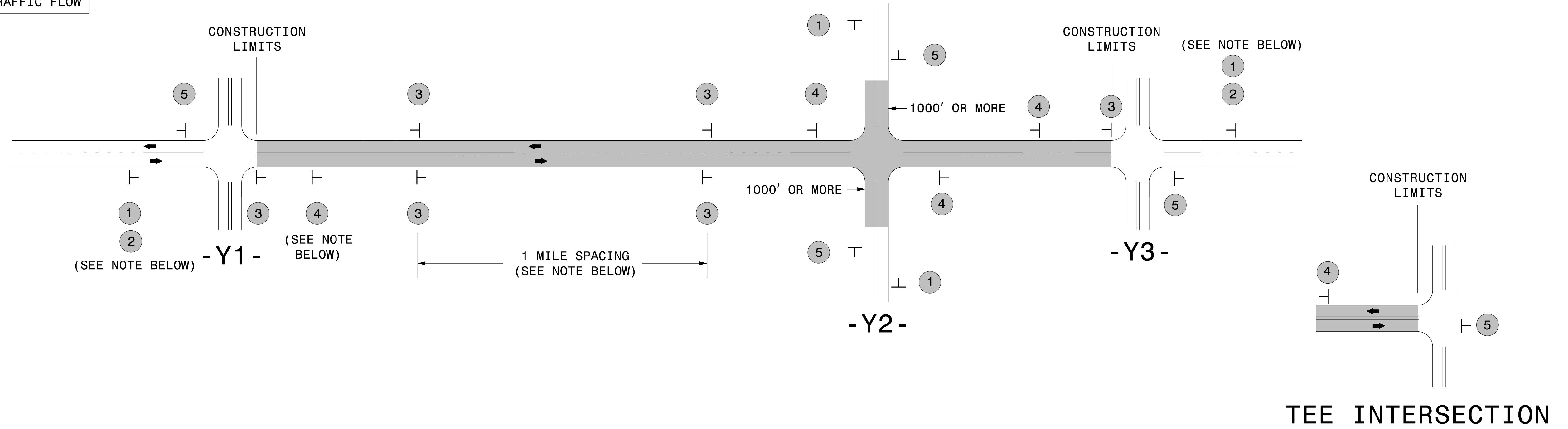
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH		441300000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING	444700000-E PEDESTRIAN CHANNELIZING DEVICES	445700000-N TEMPORARY TRAFFIC CONTROL	460000000-N		468500000-E		469500000-E		470000000-E		472000000-E		472500000-E									
								MI	FT				4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	12" X 90 M WHITE THERMO	THERMO MSG ONLY (90 MIL)	THERMO RXR 90 MILS	MERGE ARROW 90 M	THERMO RT ARROW 90 M	THERMO LT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO STR & LT ARROW 90 M	THERMO STR ARROW 90 M							
								SF	LF				EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
2021CPT.03.04.10311	Duplin	1	S. NC 41 HWY (W. MAIN ST.)	(WALLACE) FROM SR 1154 (HC POWERS RD.) TO SR 1165 (N. ROCKFISH ST.) [MP 8.92 - 10.40]	1	4	MU	1.48	45.5	96		*			16,620	3,910	352	110		4		3	2	4								
TOTAL FOR MAP NO. 1									1.48	96					16,620	3,910	352	110		4		3	2	4								
TOTAL FOR PROJ NO. 2021CPT.03.04.10311									1.48	96		*			16,620	3,910	352	110		4		3	2	4								
													20,530		462			4									9					
2021CPT.03.04.20311	Duplin	2	SR 1173 (RALEIGH RD. / SOUTHERLAND ST.)	FROM SR 1163 TO NC 41 [MP 0.00 - MP 1.27]	2,3	2	2WU	1.27	20 - 45						2	10	8,382	13,665			100	32	8		5	5	10	10	5			
TOTAL FOR MAP NO. 2									1.27					2	10	8,382	13,665			100	32	8		5	5	10	10	5				
2021CPT.03.04.20311	Duplin	10	SR 1953 (PASTURE BRANCH RD.)	FROM SR 1947 TO NC 50 [MP 0.37 - MP 5.63]	4,5	2	2WU	5.26	19	592																						
TOTAL FOR MAP NO. 10									5.26																							
2021CPT.03.04.20311	Duplin	12	SR 1101 (CORNWALLIS RD.)	FROM NC 903 TO SR 1102 [MP 0.00 - MP 1.81]	4	2	2WU	1.81	23																							
TOTAL FOR MAP NO. 12									1.81																							
2021CPT.03.04.20311	Duplin	13	SR 1109 (BLANCHARD RD.)	FROM SR 1108 TO SAMPSON CO LINE [MP 0.00 - MP 0.28]	4	2	2WU	0.28	20																							
TOTAL FOR MAP NO. 13									0.28																							
TOTAL FOR PROJ NO. 2021CPT.03.04.20311									8.62					2	10	8,382	13,665			100	32	8		5	5	10	10	5				
													12		22,047				40								35					
2021CPT.03.04.20312	Duplin	19	SR 1983 (FRIENDLY DR.)	FROM US 117 TO END OF MAINTENANCE [MP 0.00 - MP 0.34]	8	2	2WU	0.34	19																							
TOTAL FOR MAP NO. 19									0.34																							
2021CPT.03.04.20312	Duplin	20	SR 1182 (EUREKA / SUNSET RD.)	FROM NC 41 TO NC 41 [MP 0.00 - MP 0.33]	8	2	2WU	0.33	18																							
TOTAL FOR MAP NO. 20									0.33																							
2021CPT.03.04.20312	Duplin	21	SR 1992 (MCMILLAN AVE.)	FROM SR 1983 TO SR 1983 [MP 0.00 - MP 0.37]	8	2	2WU	0.37	18																							
TOTAL FOR MAP NO. 21									0.37																							
2021CPT.03.04.20312	Duplin	22	SR 1190 (NEWTOWN RD.)	FROM SR 1172 TO END OF MAINTENANCE [MP 0.00 - MP 0.33]	8	2	2WU	0.33	18																							
TOTAL FOR MAP NO. 22									0.33																							
2021CPT.03.04.20312	Duplin	23	SR 2000 (DOBBINS ST.)	FROM SR 1163 TO END OF MAINTENANCE [MP 0.00 - MP 0.26]	8	2	2WU	0.26	20																							
TOTAL FOR MAP NO. 23									0.26																							
2021CPT.03.04.20312	Duplin	24	SR 2004 (LINCOLN ST.)	FROM SR 2000 TO CUL-DE-SAC [MP 0.00 - MP 0.16]	8	2	2WU	0.16	21																							
TOTAL FOR MAP NO. 24									0.16																							
2021CPT.03.04.20312	Duplin	25	SR 1186 (MOORETOWN RD.)	FROM SR 1149 TO END OF MAINTENANCE [MP 0.00 - MP 0.20]	8	2	2WU	0.2	18																							
TOTAL FOR MAP NO. 25									0.2																							
2021CPT.03.04.20312	Duplin	26	SR 1184 (HORNE RD.)	FROM SR 1149 TO SR 1185 [MP 0.00 - MP 0.06]	8	2	2WU	0.06	18																							
TOTAL FOR MAP NO. 26									0.06																							
2021CPT.03.04.20312	Duplin	27	SR 1185 (UNDERWOOD RD.)	FROM SRT 1184 TO END OF MAINTENANCE [MP 0.00 - MP 0.04]	8	2	2WU	0.04	18																							
TOTAL FOR MAP NO. 27									0.04																							
2021CPT.03.04.20312	Duplin	34	SR 1155 (SHAW RD.)	FROM SR 1156 TO PENDER COUNTY LINE [MP 0.00 - MP 1.24]	N/A	2	2WU	1.24	20																							
TOTAL FOR MAP NO. 34									1.24																							
2021CPT.03.04.20312	Duplin	35	SR 1128 (POWELL PAGE RD.)	FROM SAMPSON COUNTY LINE TO NC 41 [MP 0.00 - MP 4.29]	N/A	2	2WU	4.29	20																							
TOTAL FOR MAP NO. 35									4.29																							
2021CPT.03.04.20312	Duplin	36	SR 1126 (HUFFMAN/WILLIAMS RD.)	FROM SAMPSON COUNTY LINE TO SR 1102 [MP 0.00 - MP 3.86]	N/A	2	2WU	3.86	20																							
TOTAL FOR MAP NO. 36									3.86																							
2021CPT.03.04.20312	Duplin	38	SR 1192 (CARROLLS RD.)	FROM SAMPSON COUNTY LINE TO SAMPSON COUNTY LINE [MP 0.00 - MP 3.15]	N/A	2	2WU	3.15	20																							
TOTAL FOR MAP NO. 38									3.15																							
2021CPT.03.04.20312	Duplin	43	SR 1119 (GOLD POND RD.)	FROM NC 903 TO SR 1117 [MP 0.00 - MP 0.51]	N/A	2	2WU	0.51	20	592																						
TOTAL FOR MAP NO. 43									0.51																							
TOTAL FOR PROJ NO. 2021CPT.03.04.20312									15.14																							
GRAND TOTAL									25.24					1	2	10	25,002	17,575	352	110	100	36	8	3	7	9	10	10	5			
													12		42,577			462			44					44						

SIGNING FOR RESURFACING PROJECTS

LEGEND

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

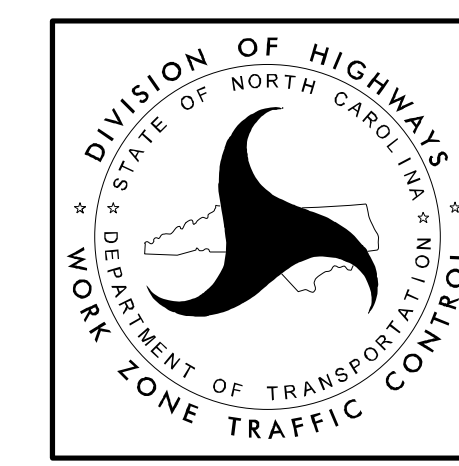
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 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.	<p>NO REQUIRED STATIONARY SIGNING 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;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 NEXT XX MILES W7-3aP 24" X 18"	#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	 SP 13107 48" X 48"	<ul style="list-style-type: none"> - 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	 SP 13106 48" X 48"	<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. - 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.

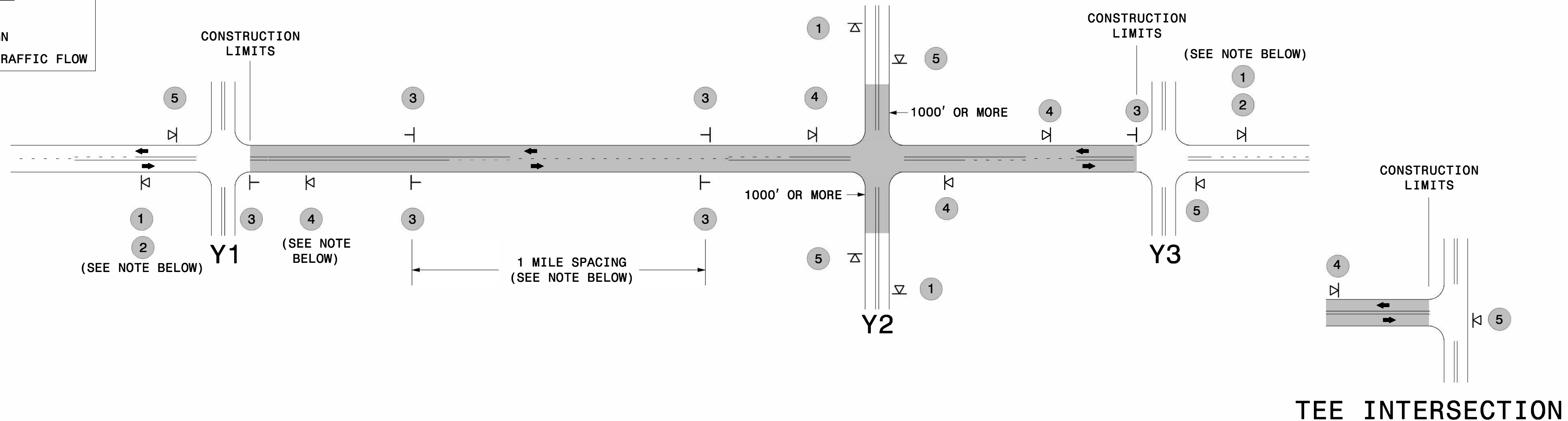


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

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	1	 	<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>
	3	 	<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. 	
	4		<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. 	
	5		<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. 	
	<p>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.</p>			

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

5/12/2017 S:\TMD\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln - AST.dgn User:kddis

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

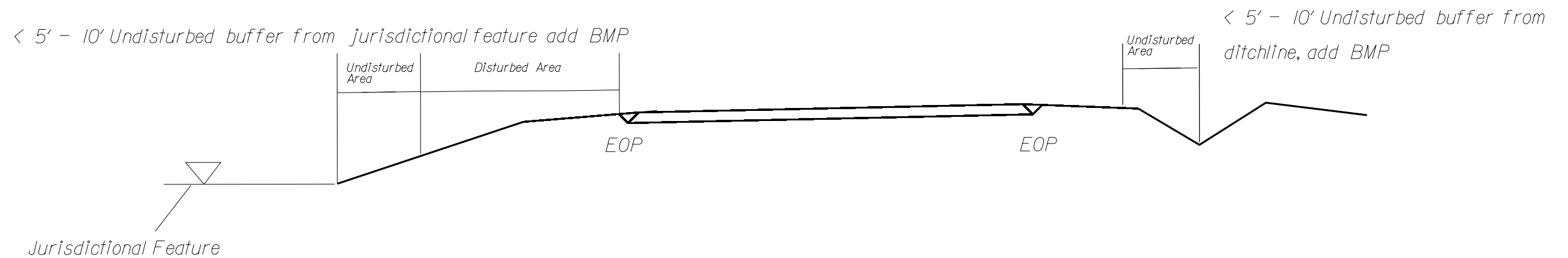
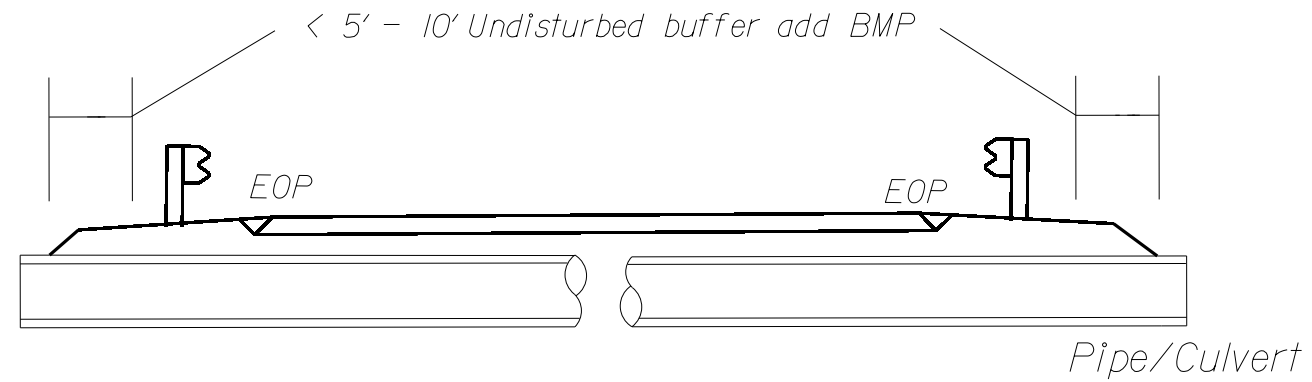
SOIL STABILIZATION TIMEFRAMES

<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.

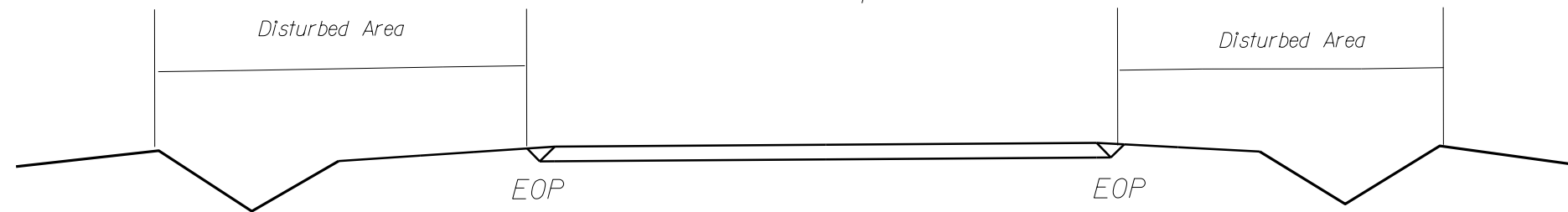
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

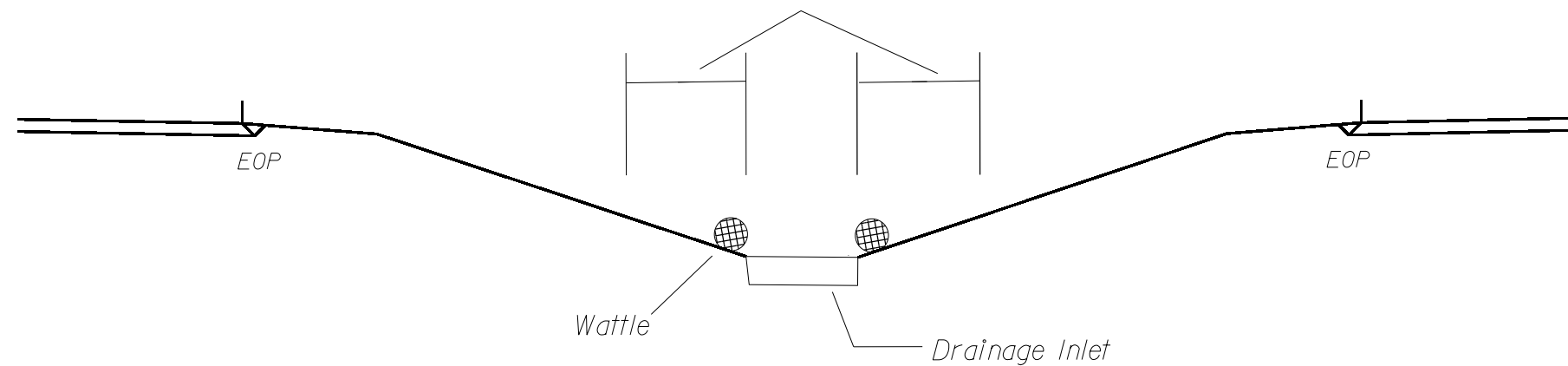
EROSION CONTROL DETAIL



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

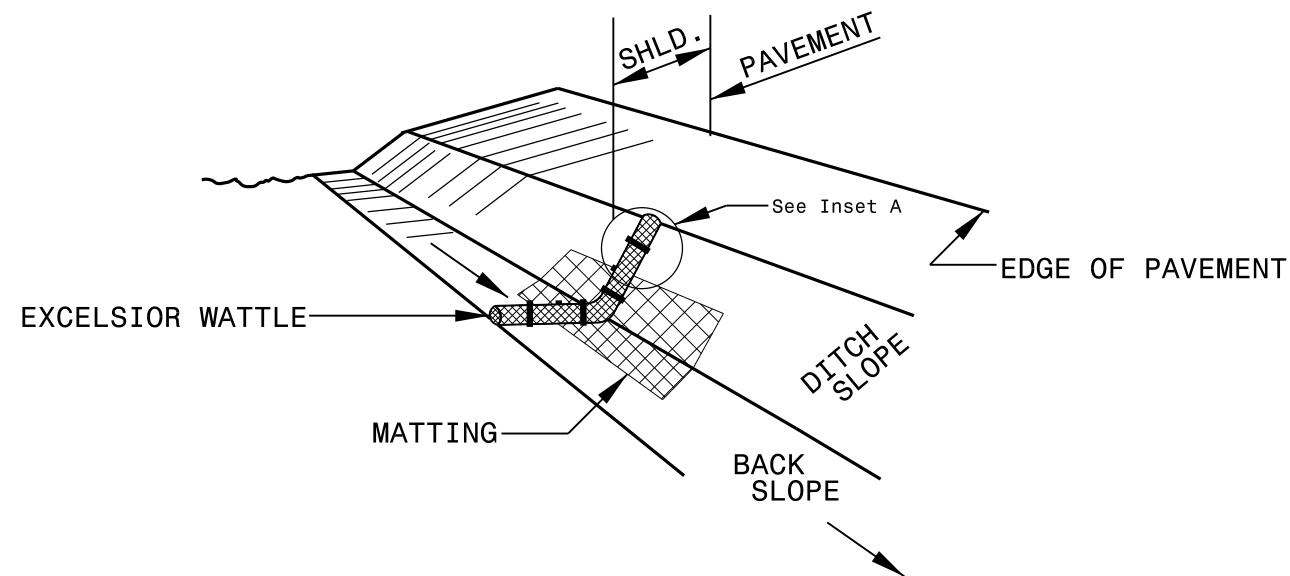


< 5' - 10' Undisturbed buffer from inlet, add wattle

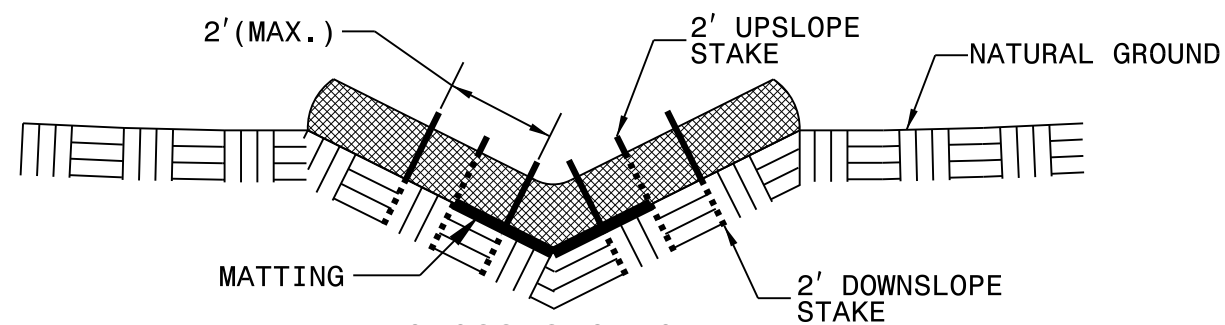


NOT TO SCALE

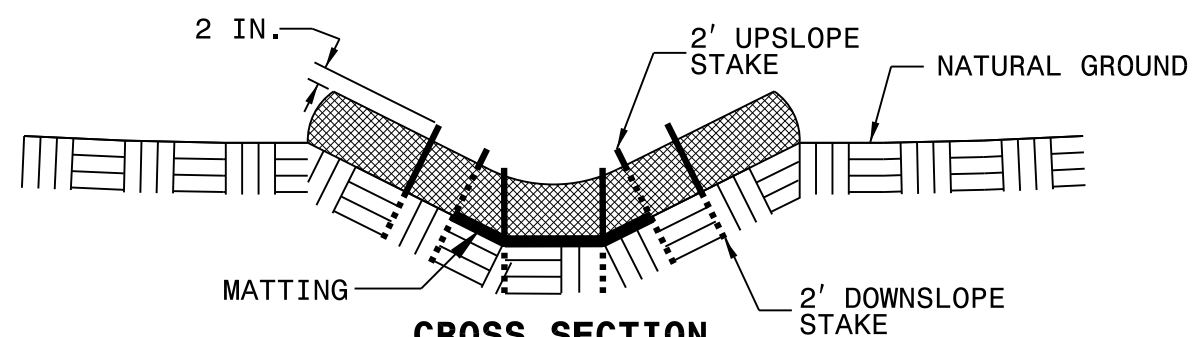
WATTLE DETAIL



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.

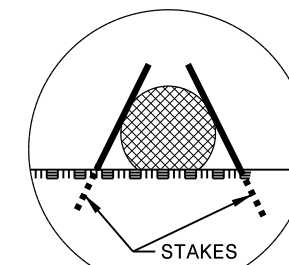
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

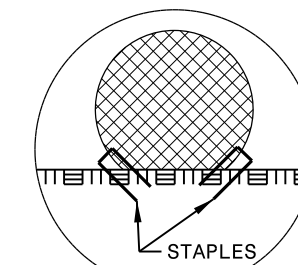
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

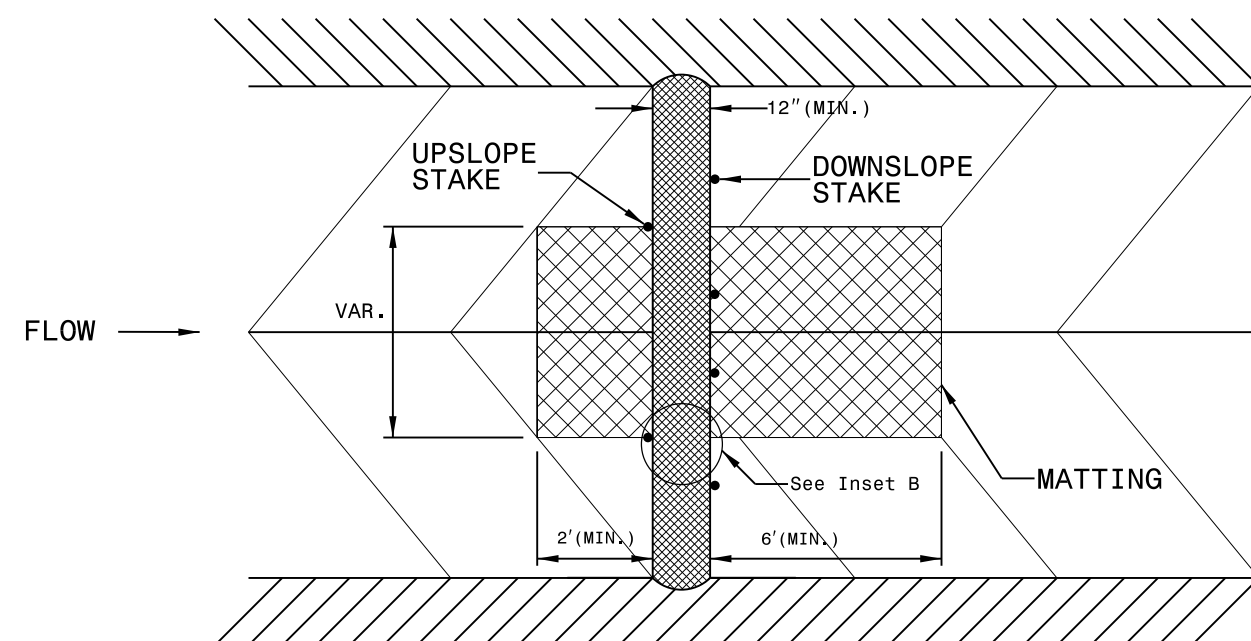
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW

I:\FEB-2015\1141\01\Resurfacing\Plan_Sheets\3CR.20711.173. EC RESURF. 2015.dgn