

Duplin County

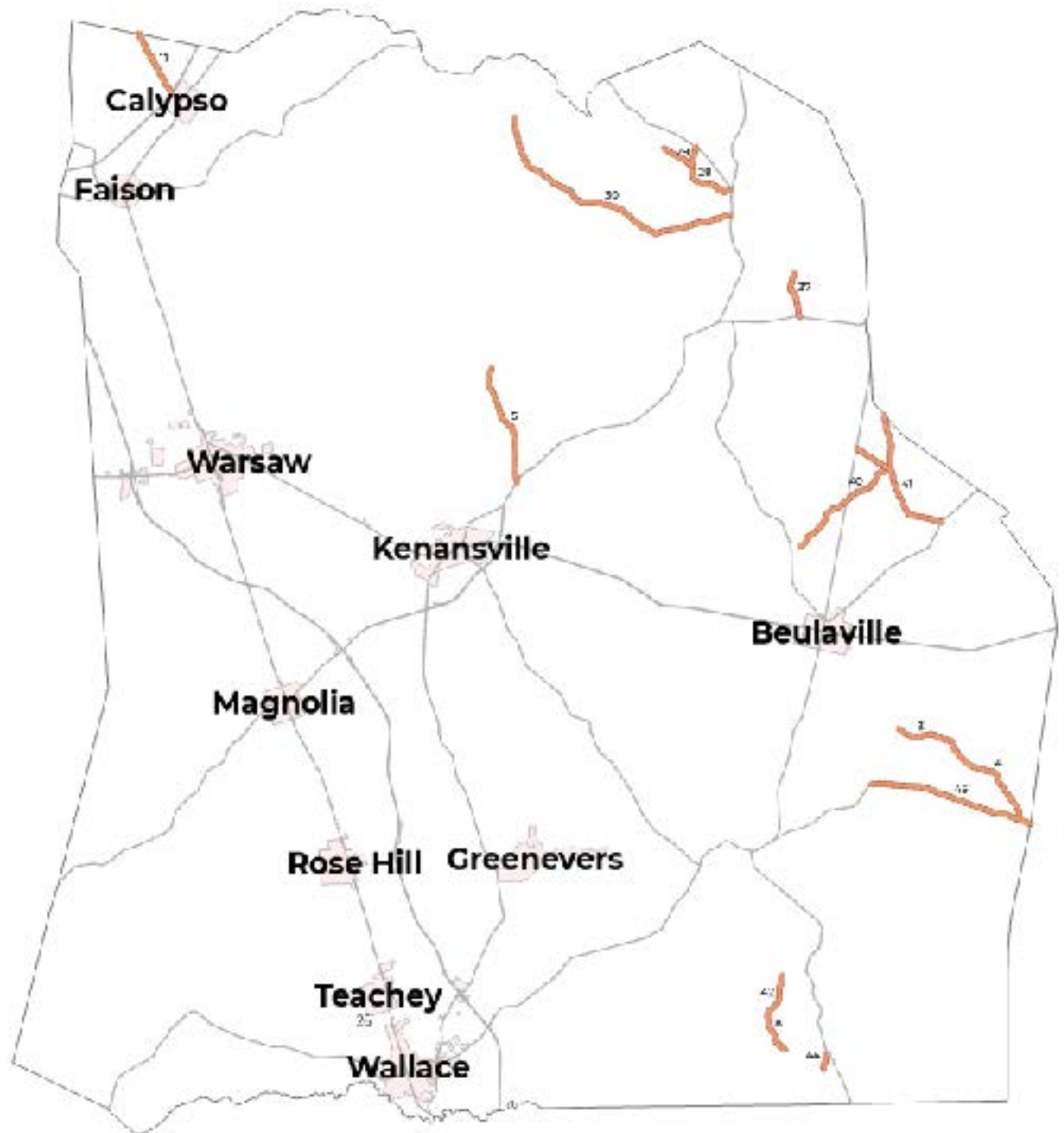
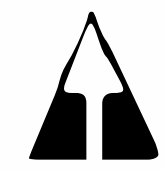
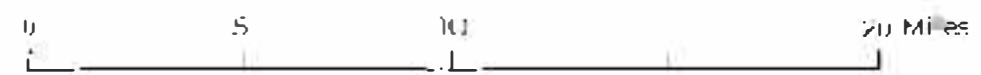


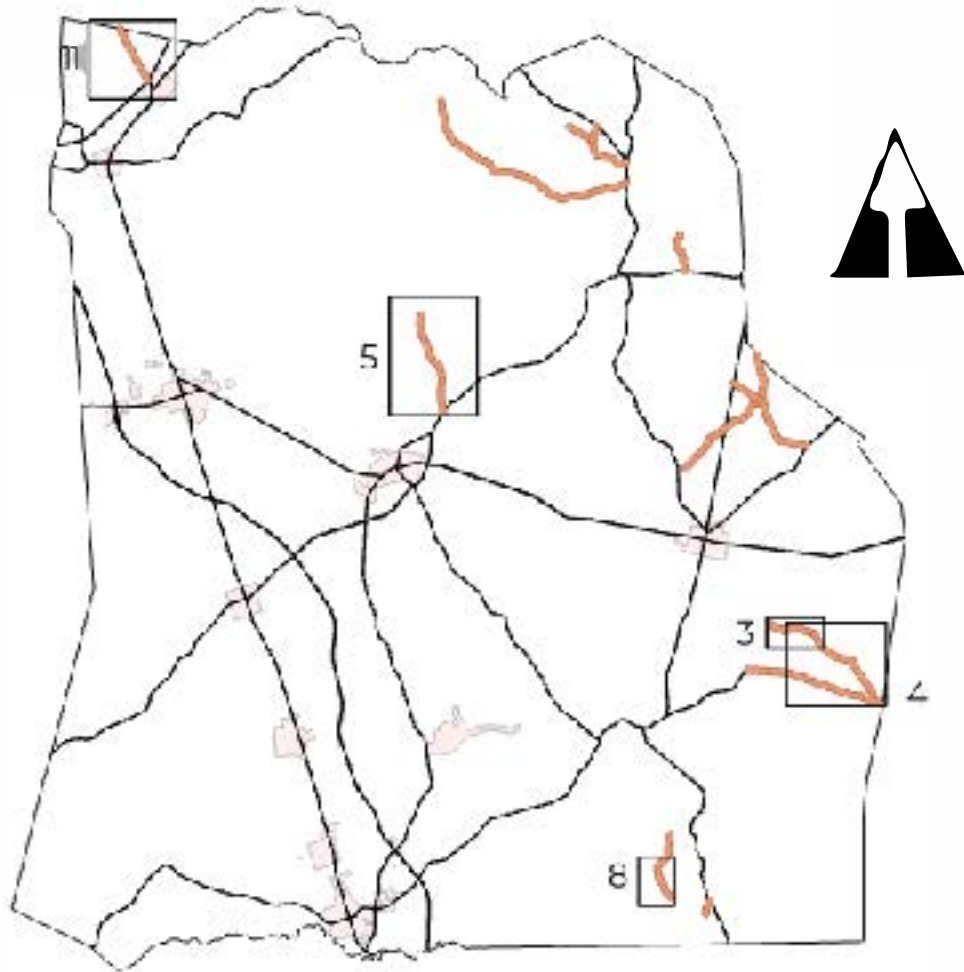
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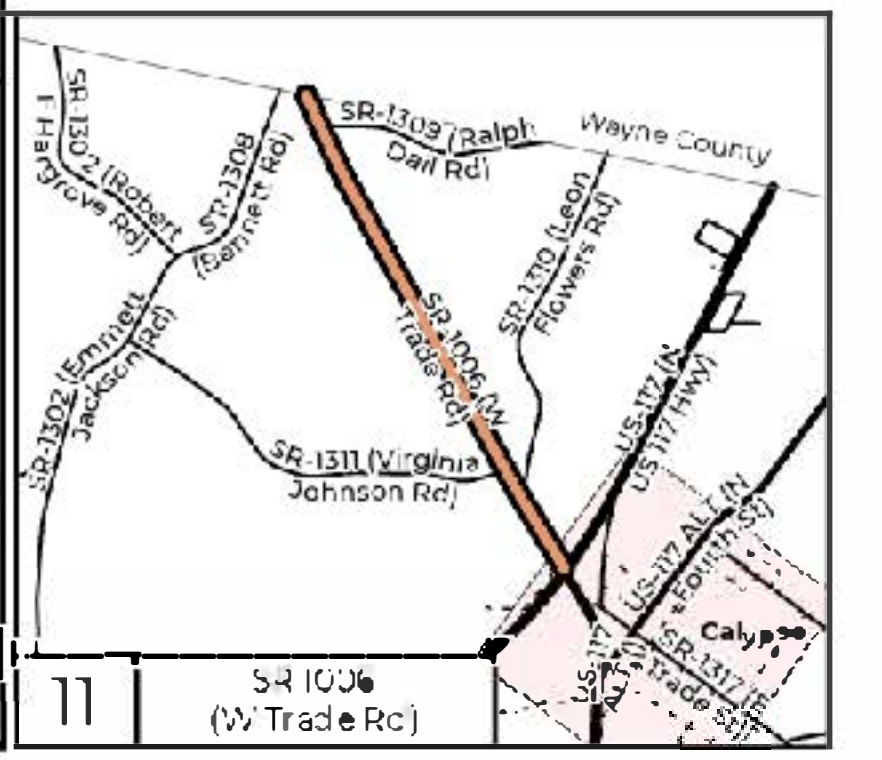
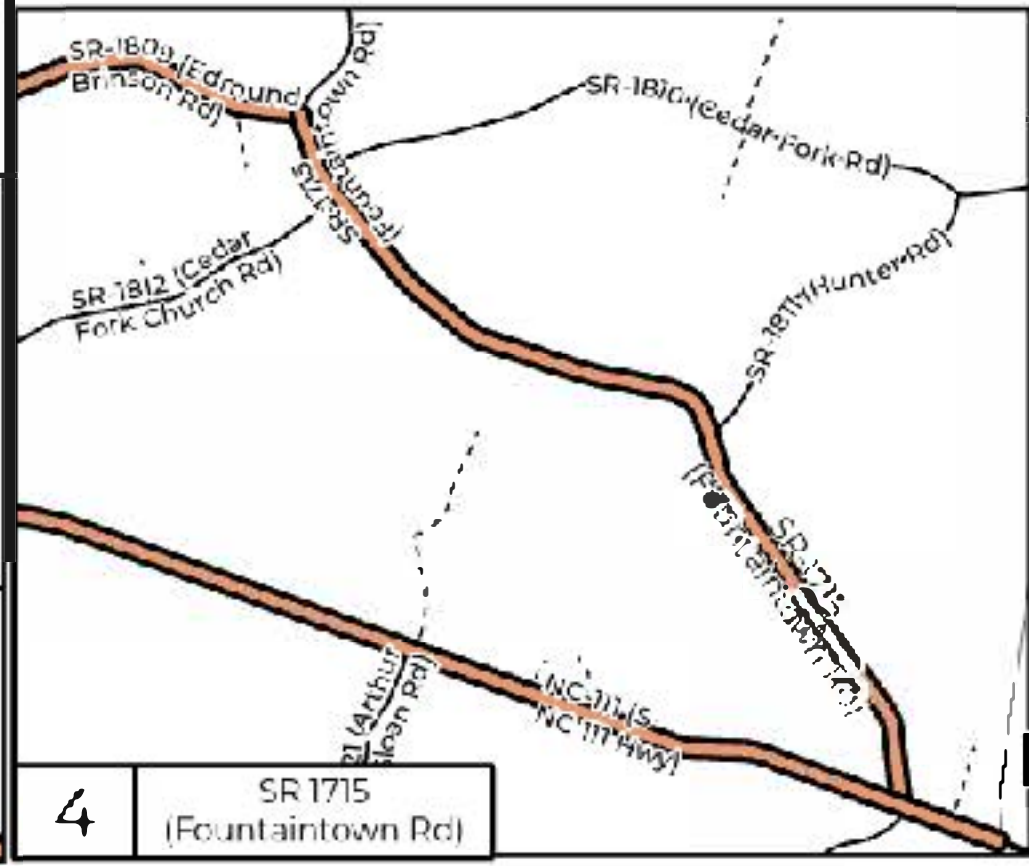
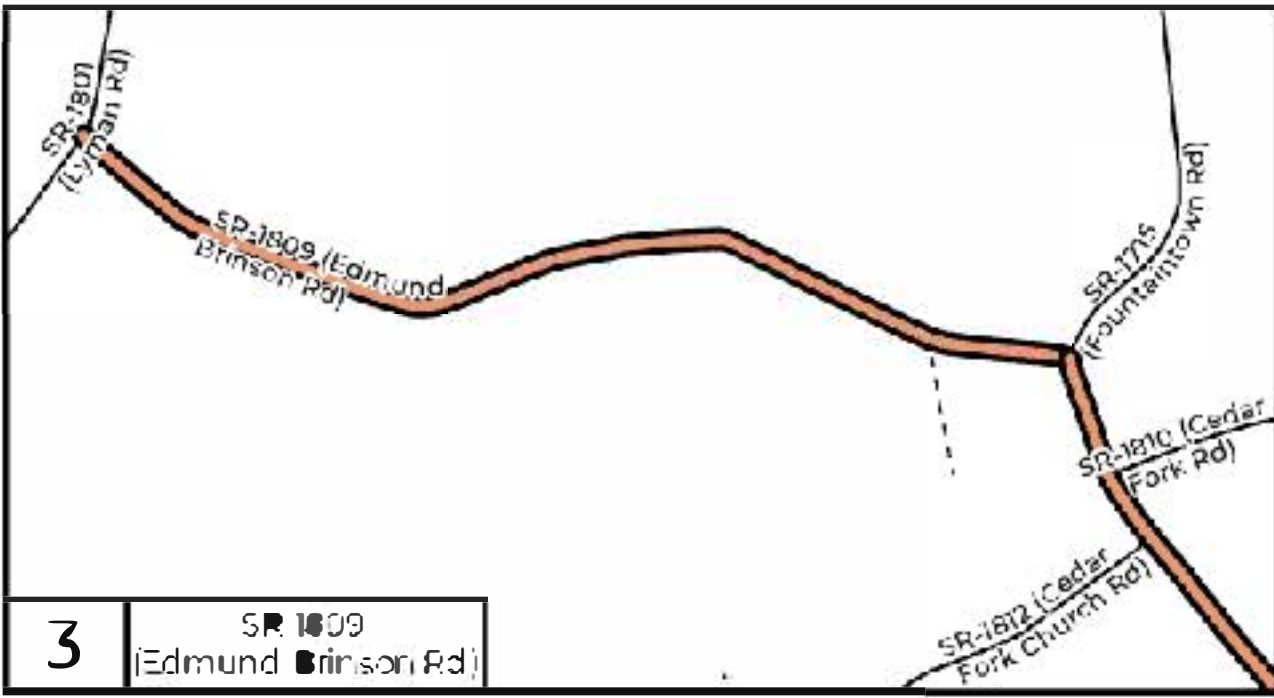
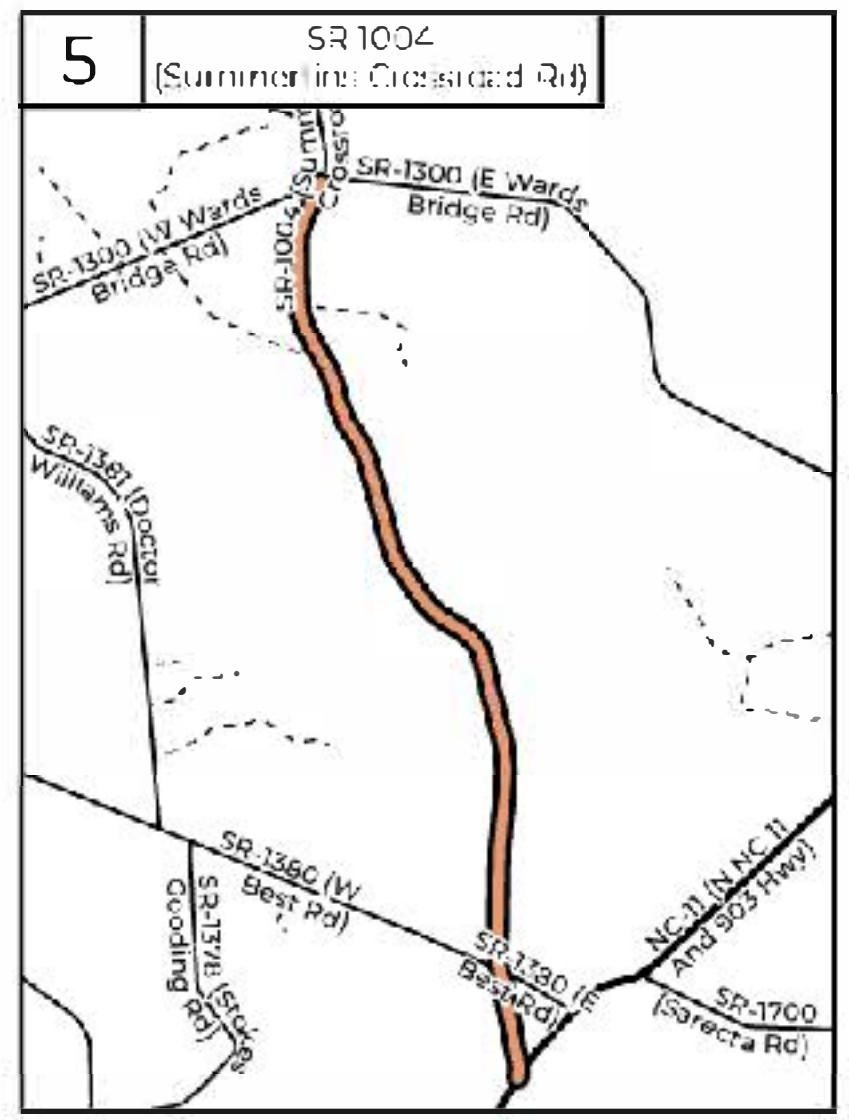
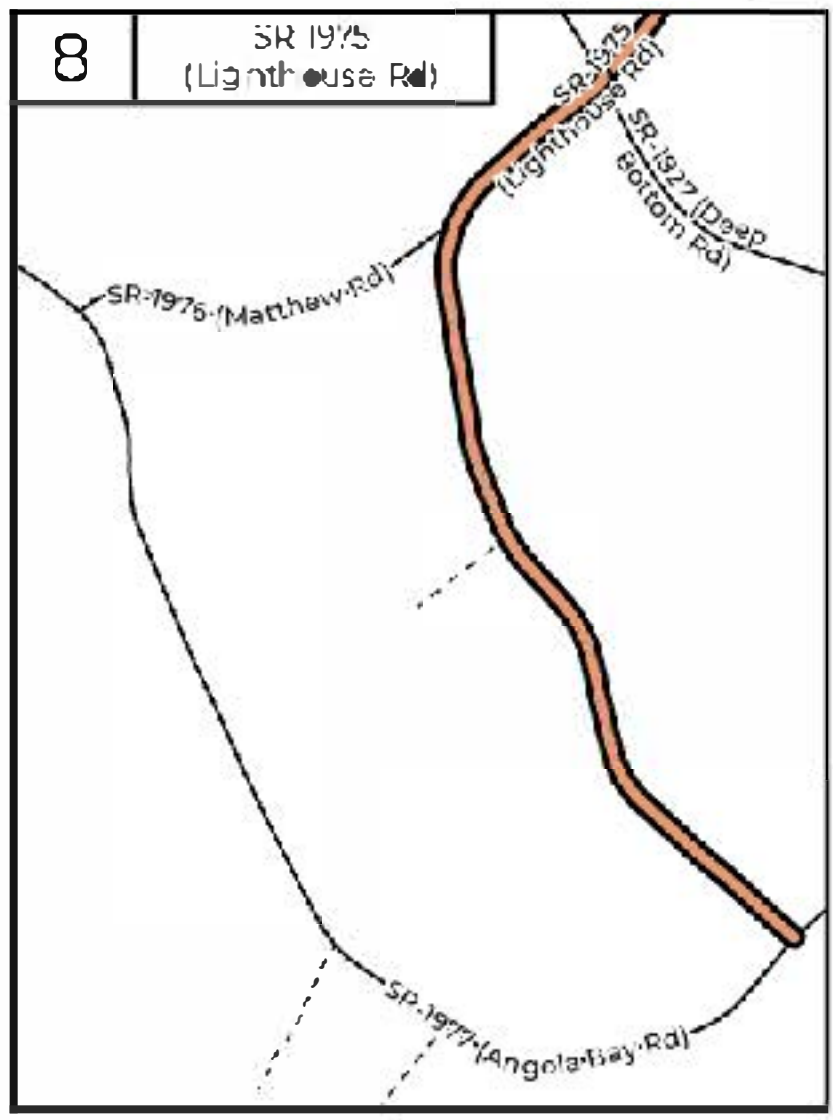
Duplin County 3-5, 8, 11

PROJECT REFERENCE NO.	SHEET NO
2021CPTC3.0910312.ETC.	2

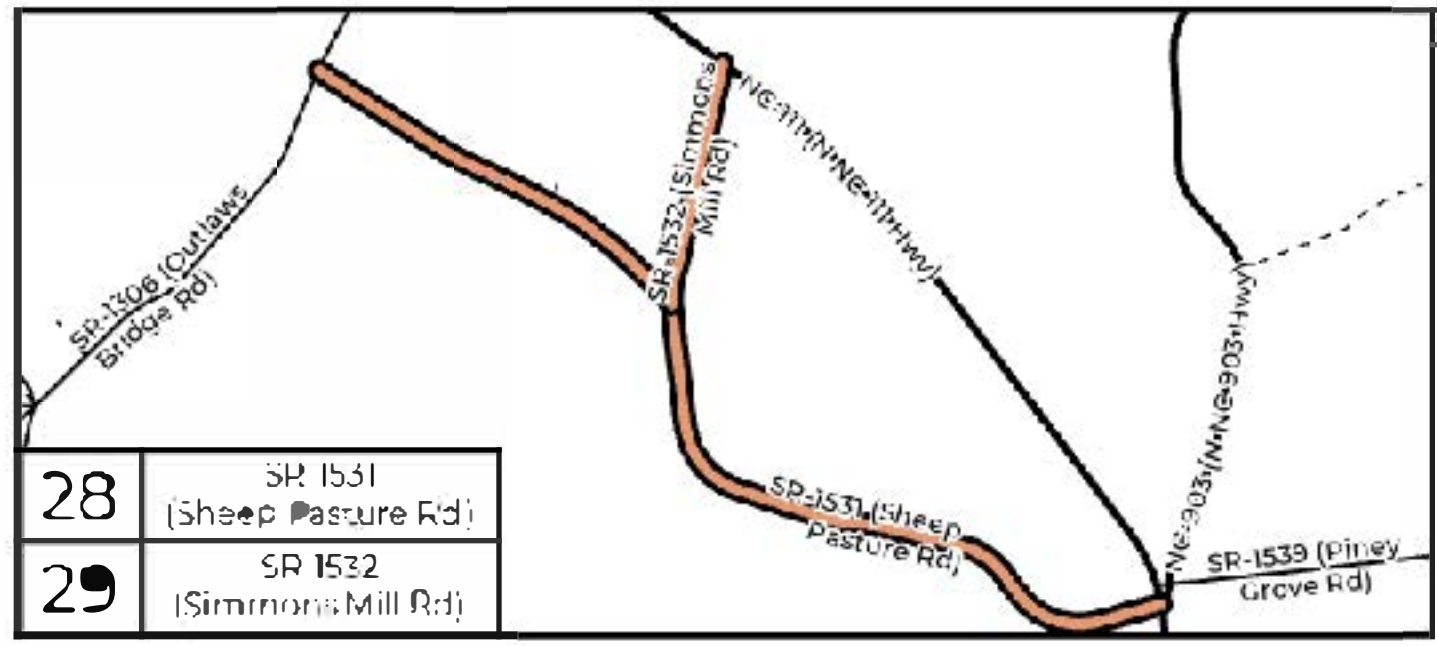
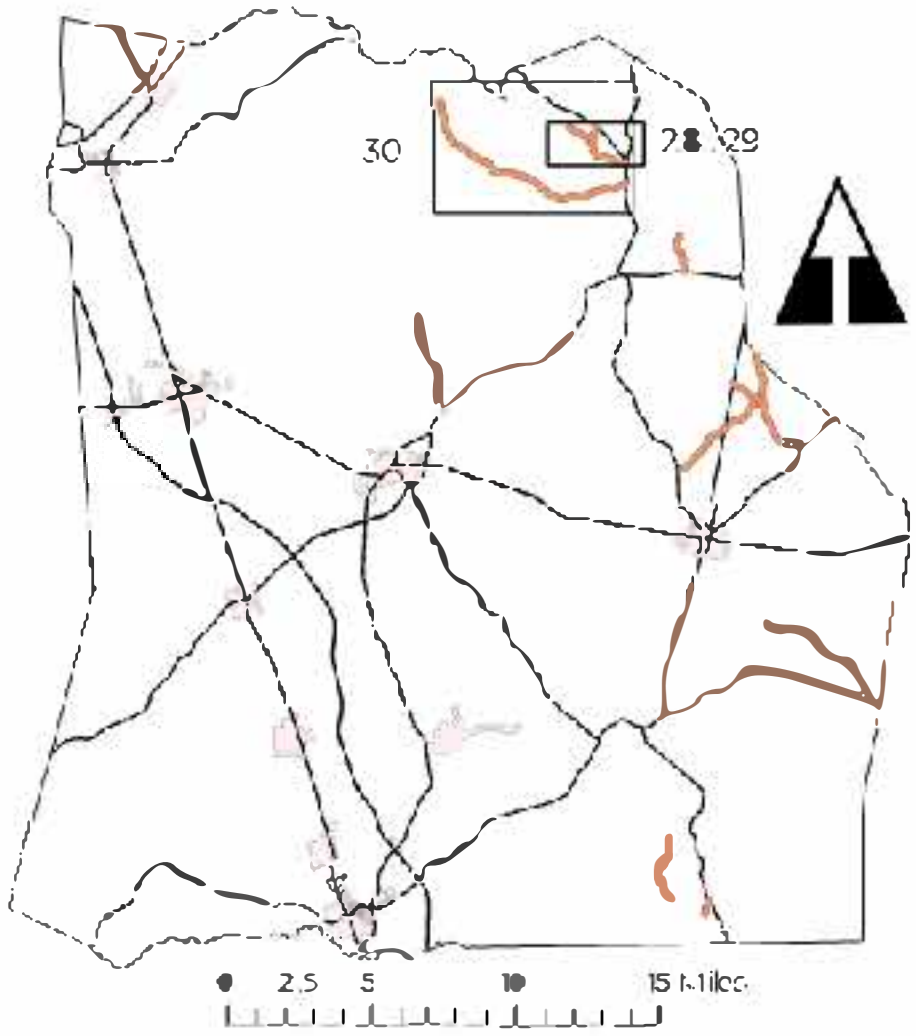


Legend

- Bridge
- State Maintained Road
- 25 5 10 15 Miles
- ▬ Road Section
- - - Municipality Road



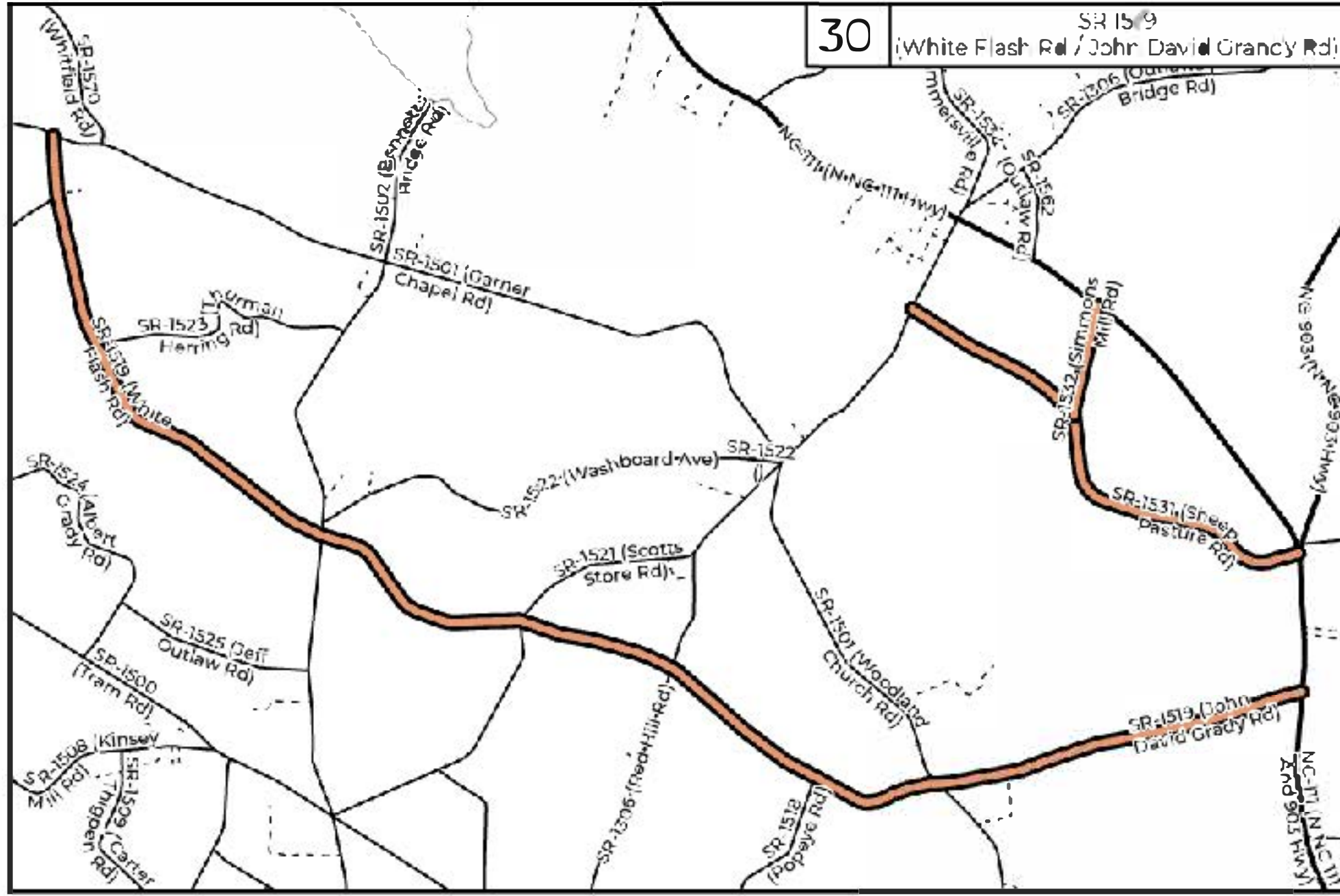
Duplin County 28-30



Legend

- Bridge
- State Maintained Road
- Road location
- - - Municipal Road

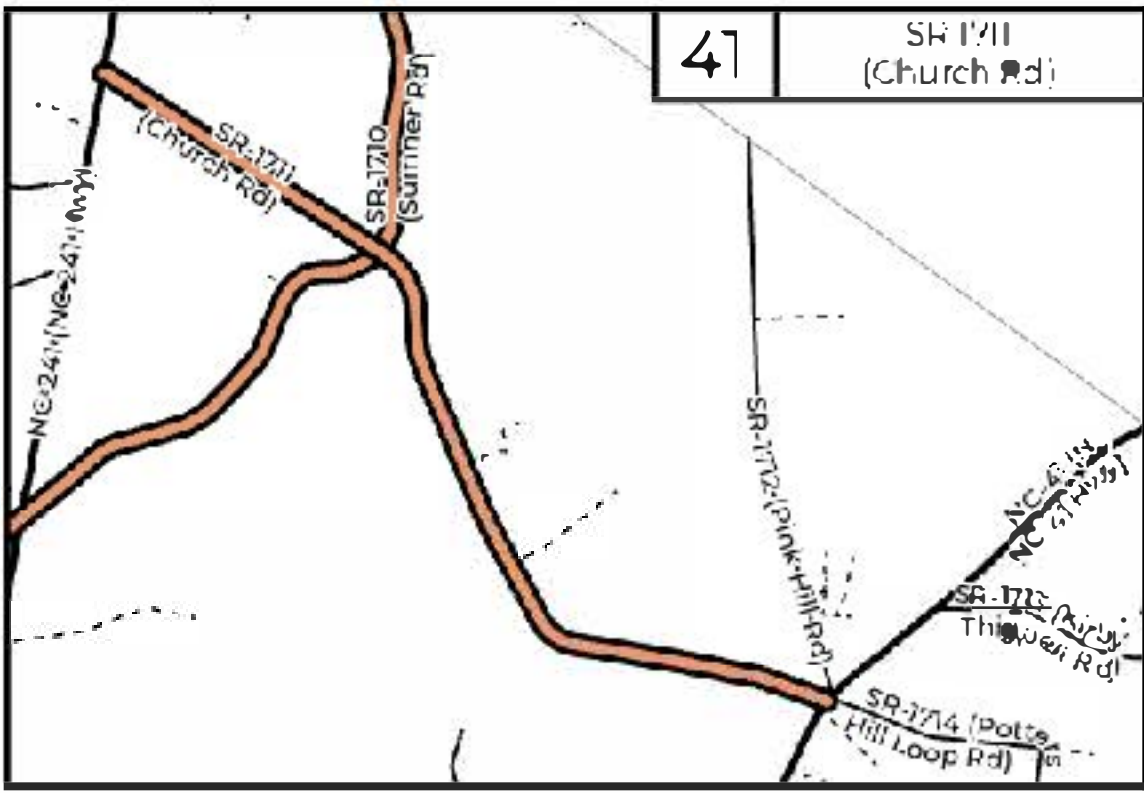
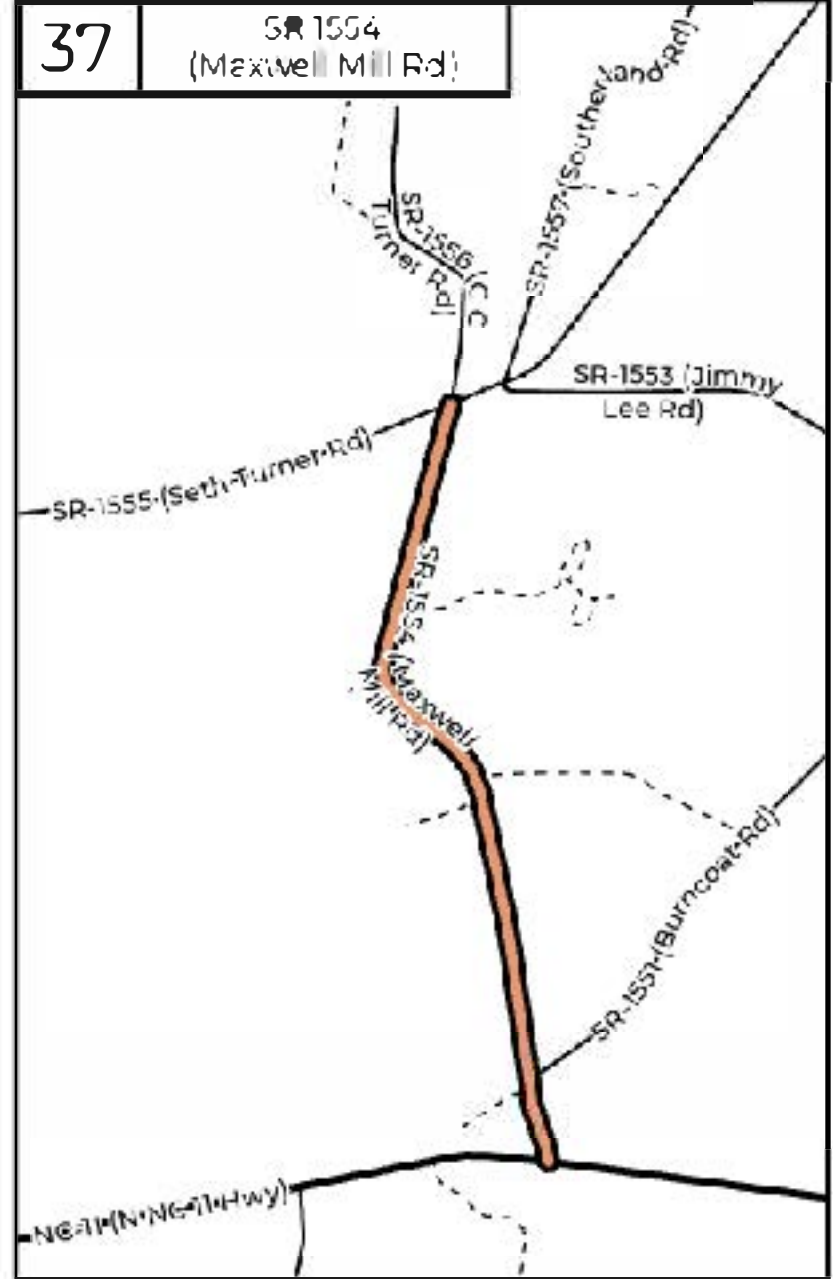
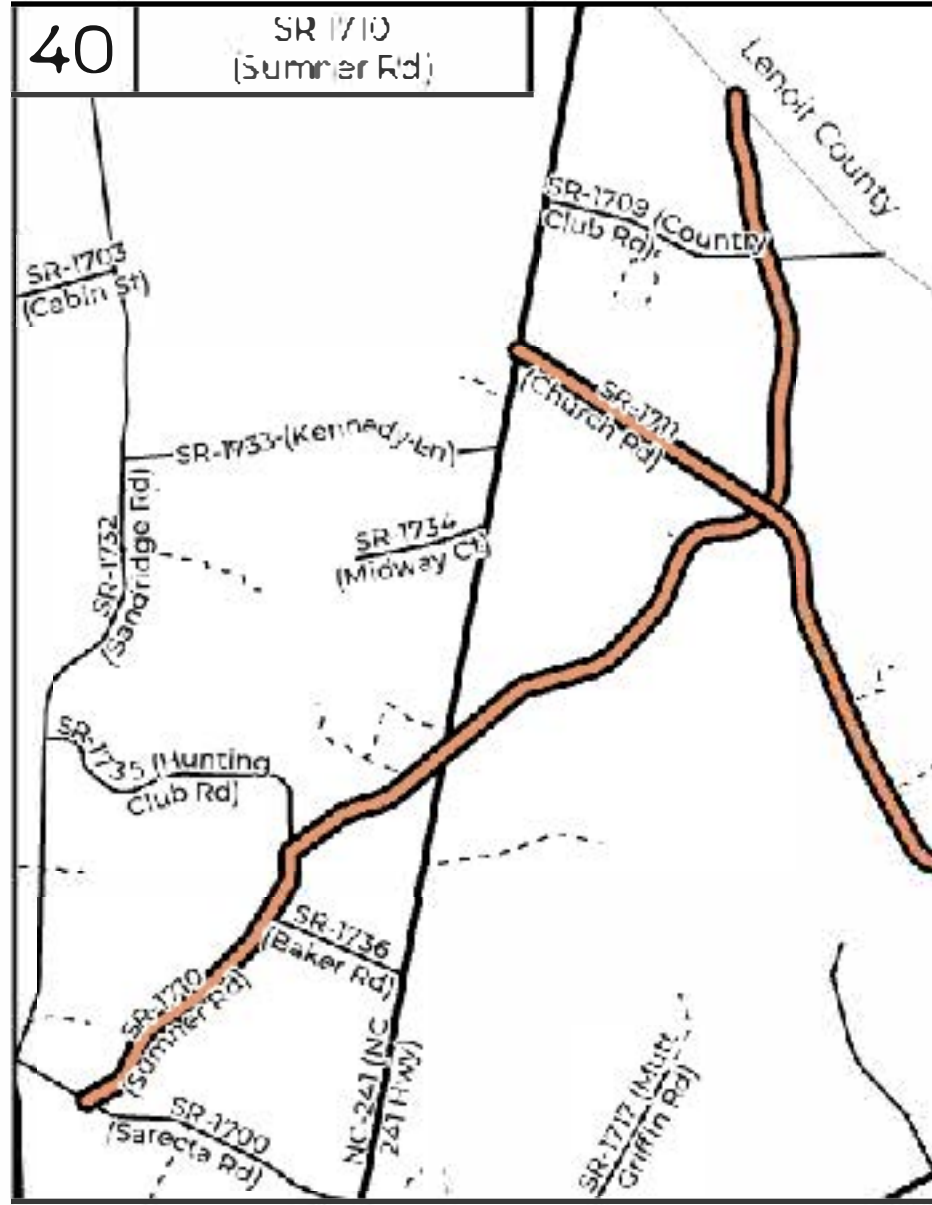
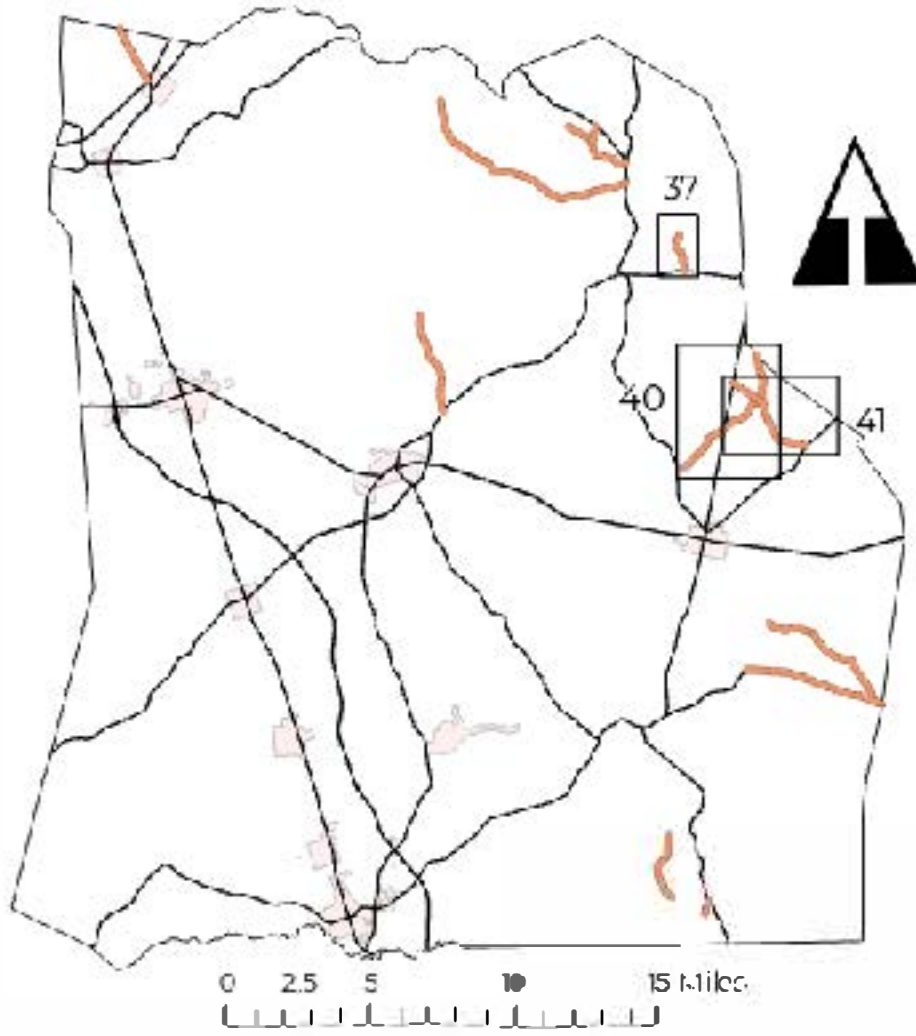
28	SR 1531 (Sheep Pasture Rd)
29	SR 1532 (Simmons Mill Rd)



30	SR 1519 (White Flash Rd / John David Grady Rd)
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Duplin County 37, 40, 41

PROJECT REFERENCE NO.	SHEET NO
2021C PTC3.0010312 ETC.	4

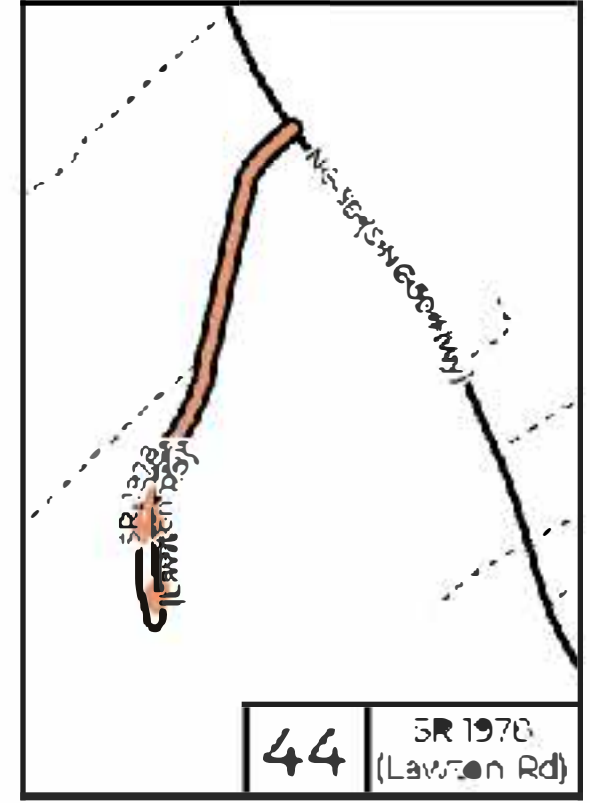
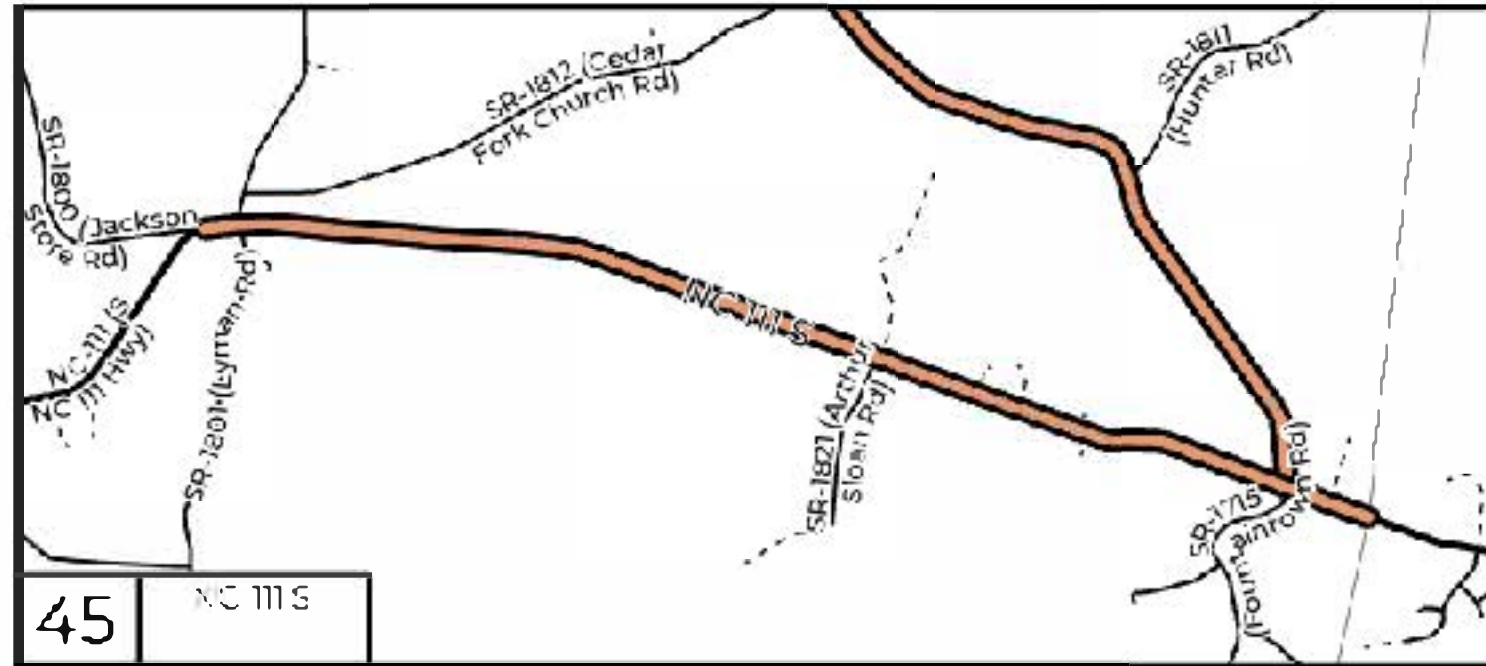
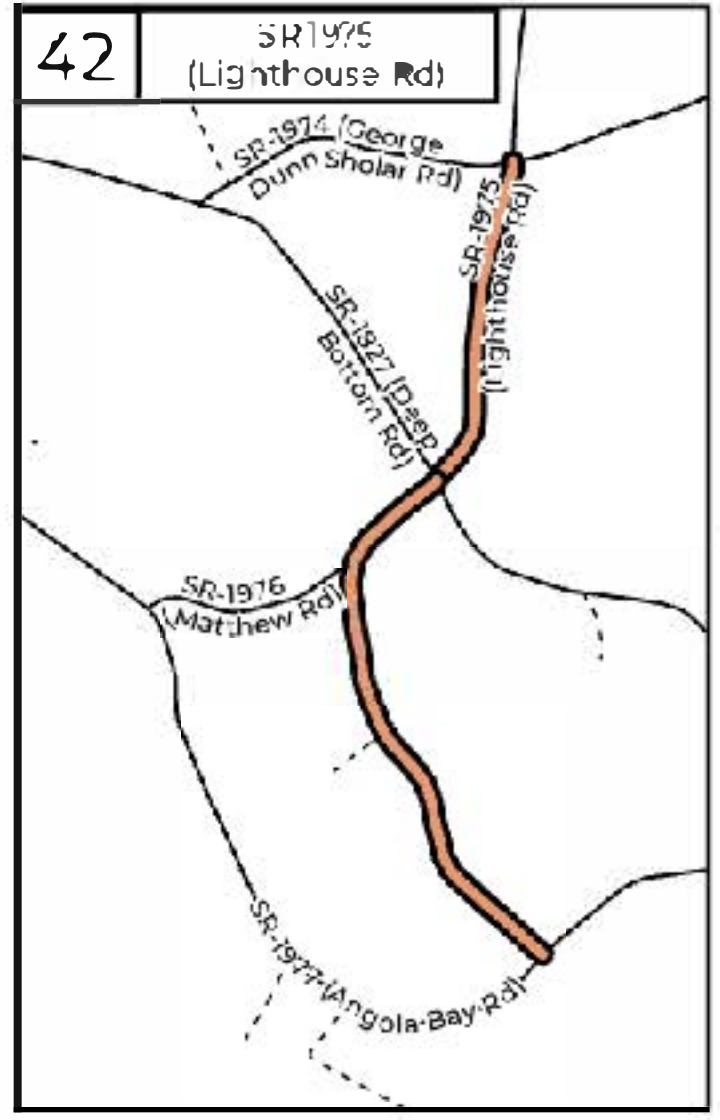
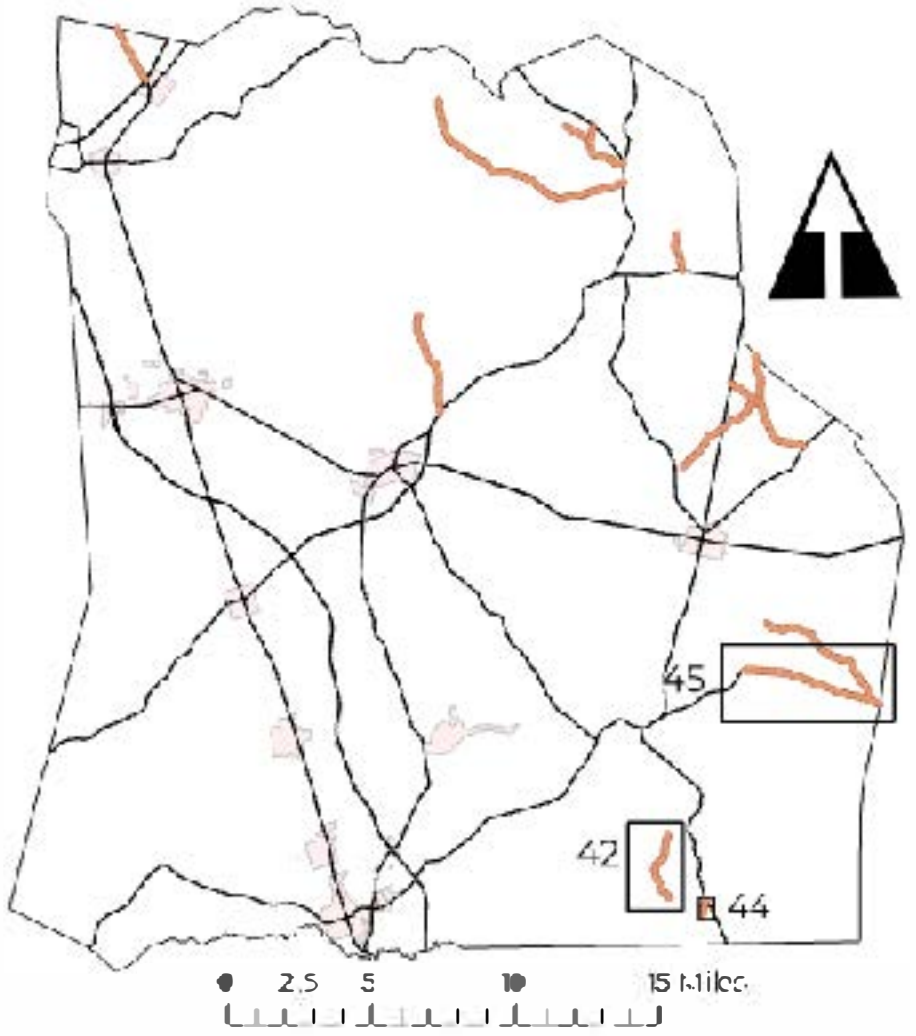


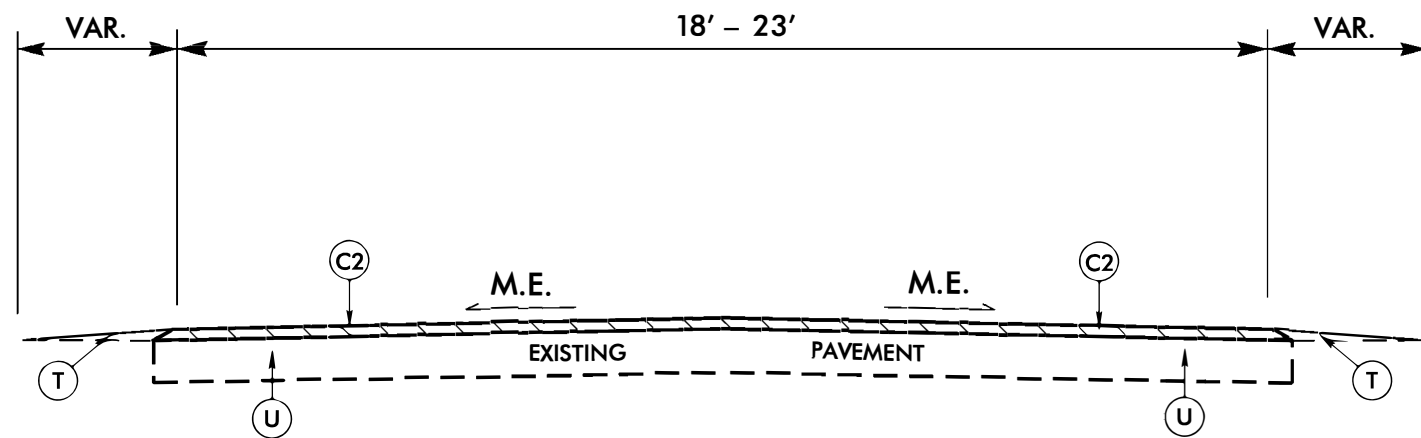
Legend

■	Bridge	—	State Maintained Road
○	Road Section	- - -	Municipality Road

Duplin County 42, 44, 46

PROJECT REFERENCE NO.	SHEET NO
2021CPT03.002.0312, ETC.	5





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

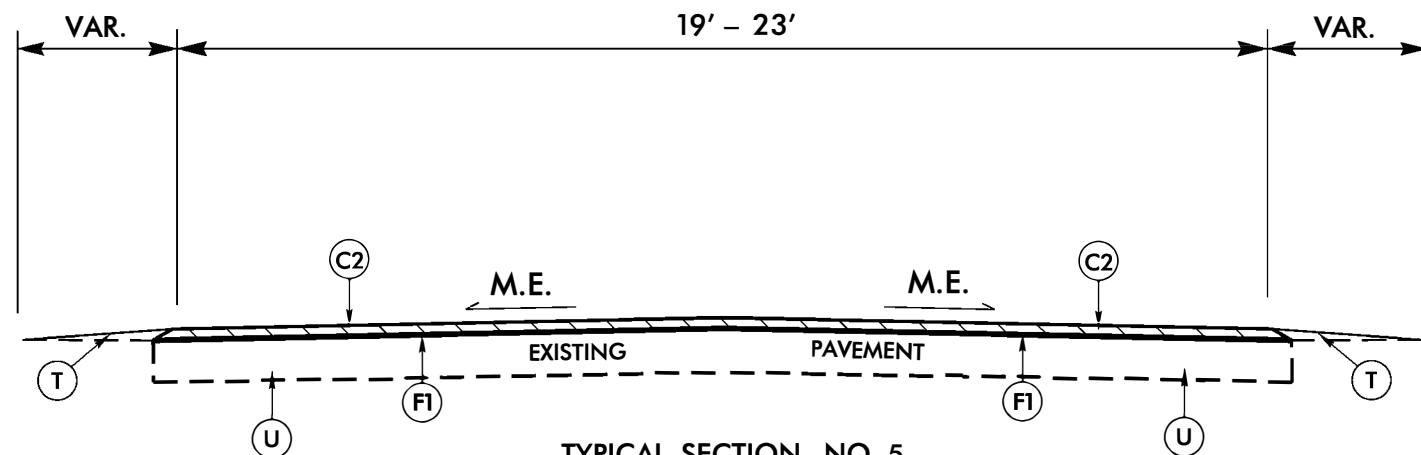
(VI) **NOTES:** MAP NO. 4 MILL 1½" FOR FLOODPLAIN FROM MP 6.90 - MP 7.20.

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

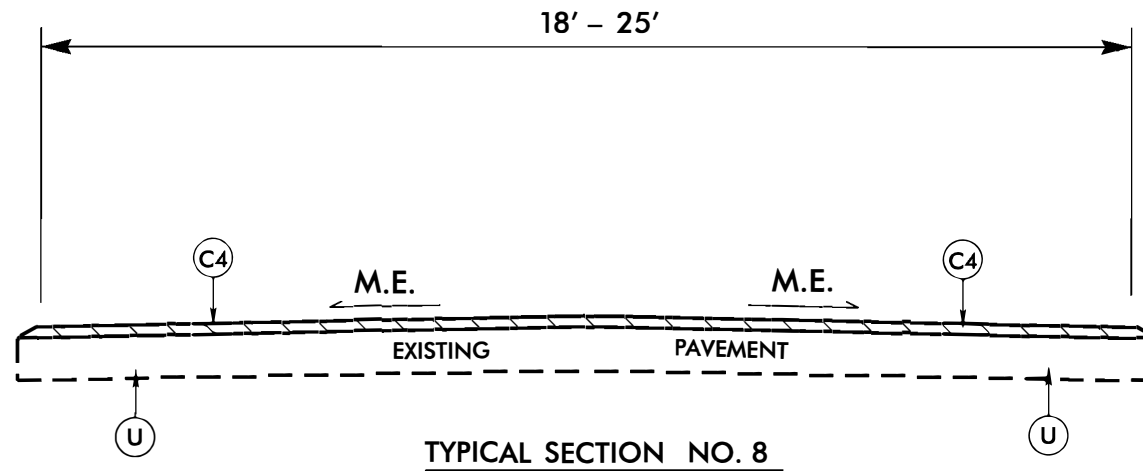
(VI) **NOTES:** MAP NO. 5 MILL 1½" FOR FLOODPLAIN FROM MP 1.80 - MP 1.90.

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

REVISIONS

25-SEP-2020 10:31
 S:\Shared\NCR\2021 Resurfacing Trace & Bridge\Duplin\Typicals\Duplin - Typical.scdgn
 8/17/99

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

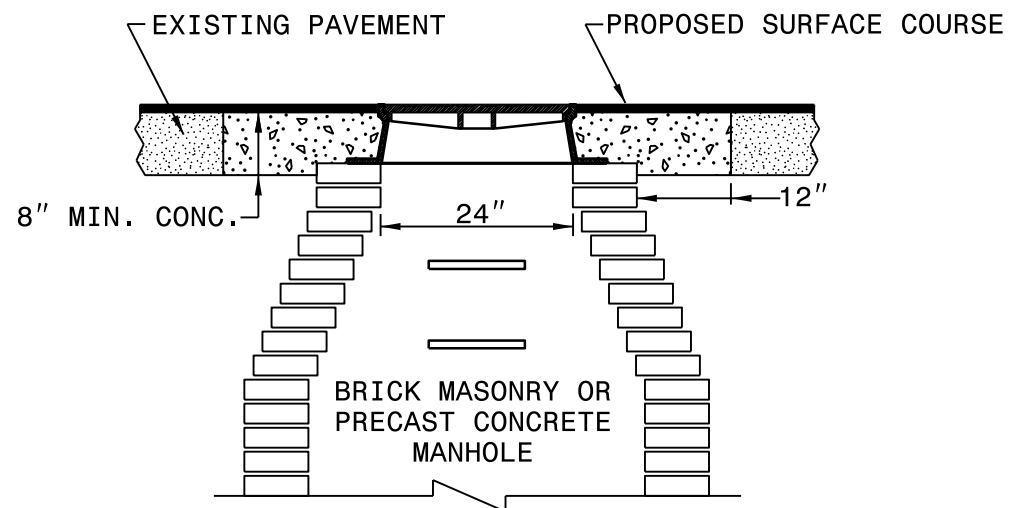
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

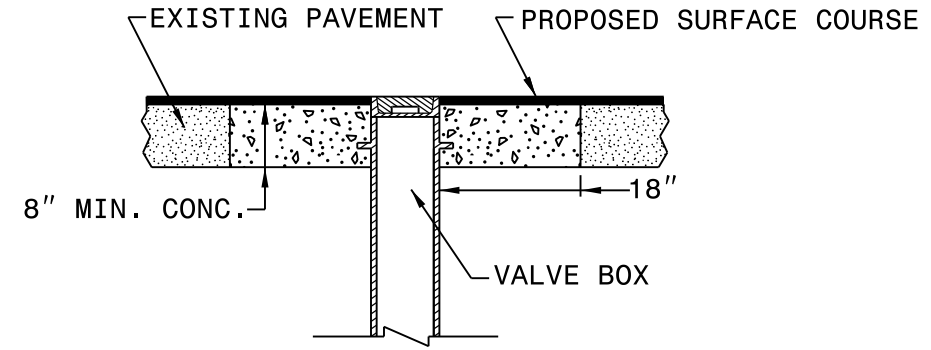
SHEET 1 OF 1
840D55

GENERAL NOTES:

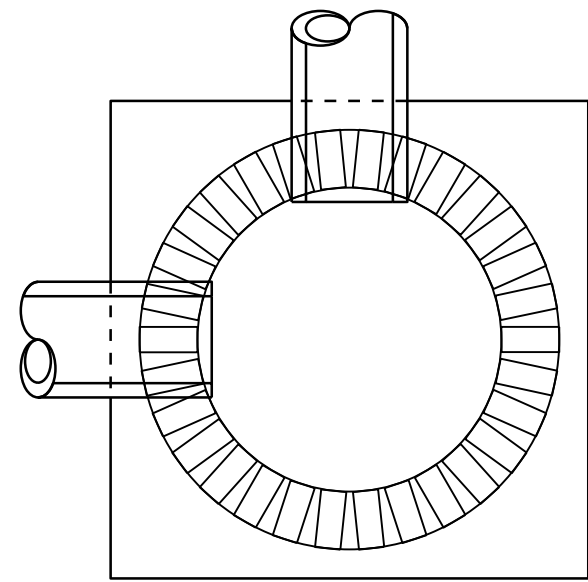
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL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

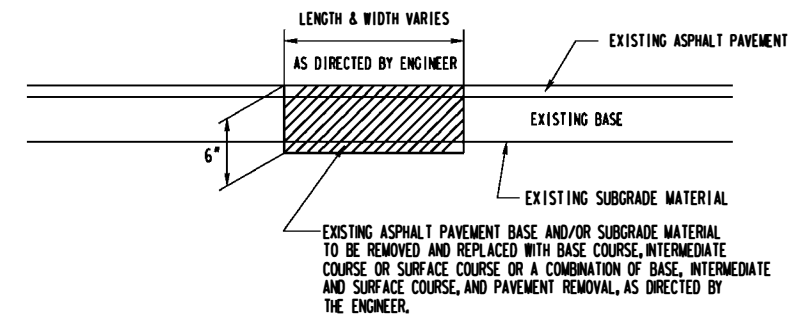
ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1
840D55

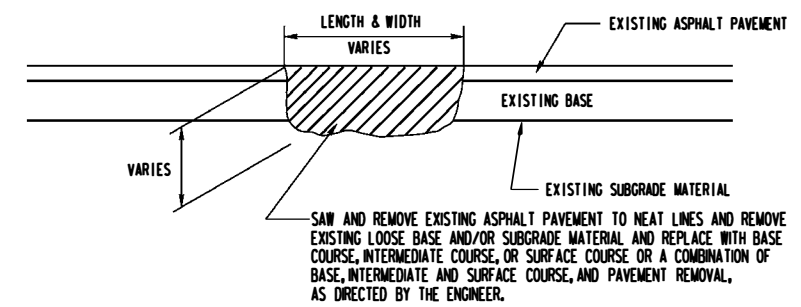
REVISIONS

28-NOV-2017 10:49
S:\Division Resurfacing\z Design Standards & CADD\CADD_Specs.Dwg\Tutorials_Curb, Etc.dwg
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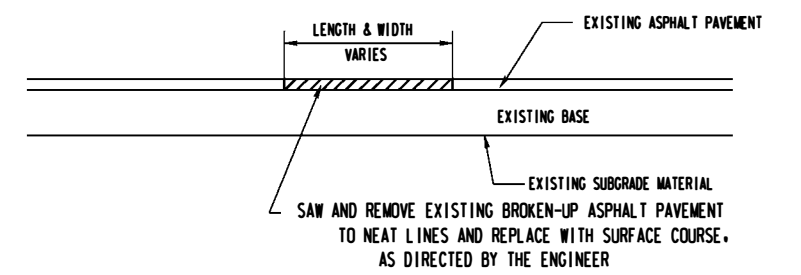
DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



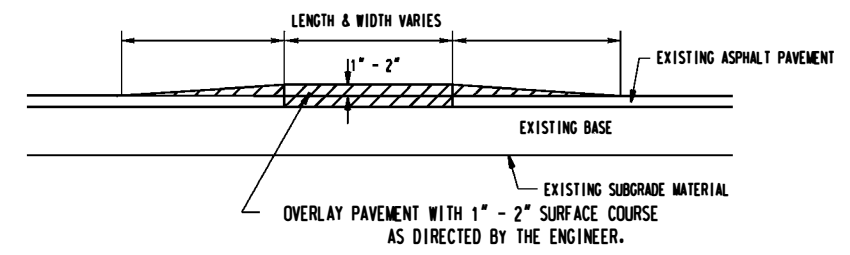
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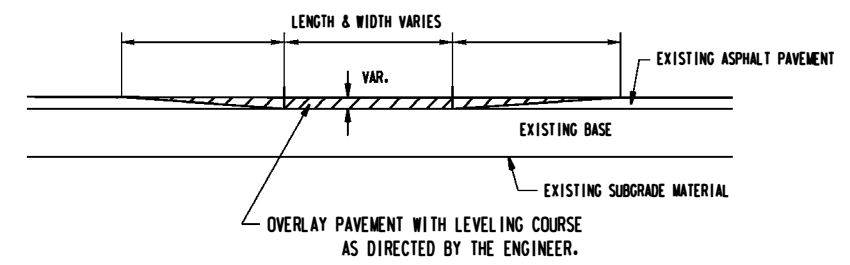
DETAIL NO. 2



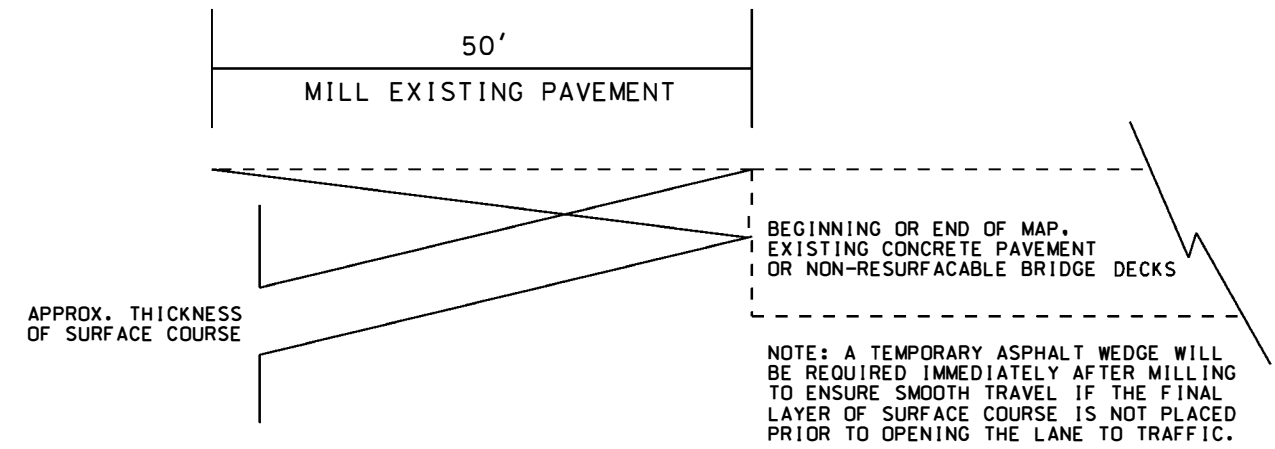
DETAIL NO. 3



DETAIL NO. 4



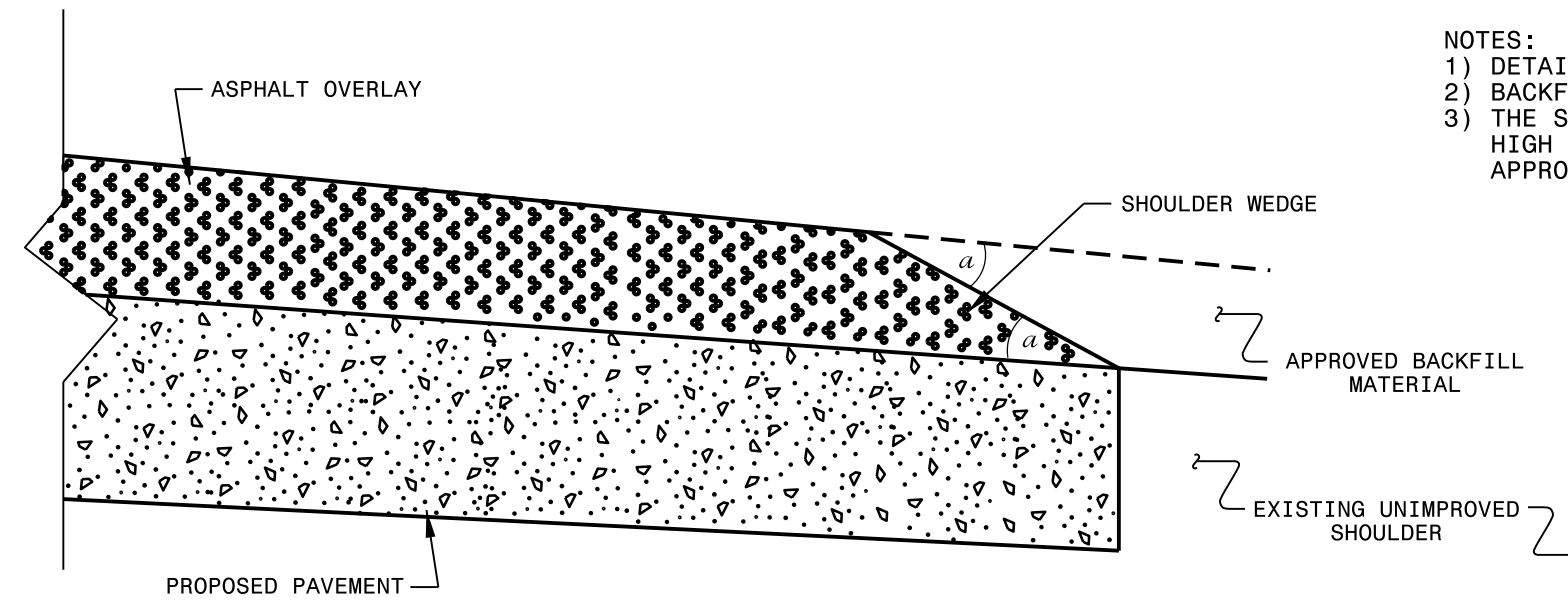
DETAIL NO. 5



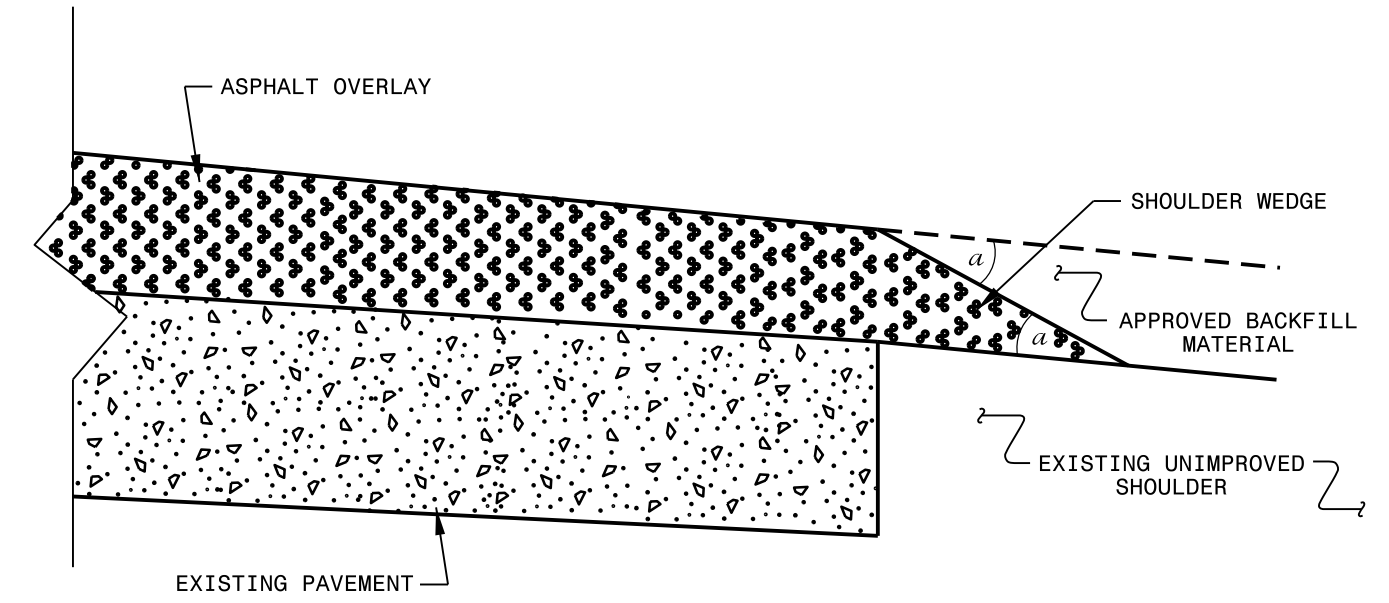
DETAIL FOR MILLING & INCIDENTAL MILLING PAY ITEMS:
MAY BE USED AT THE BEGINNING & END OF MAPS
AND AT APPROACH & TRAILING ENDS OF BRIDGES

5/14/09
c:\28-SEP-2018 07:50 Sheets\Microstation\Files\Roadj_patch.dgn

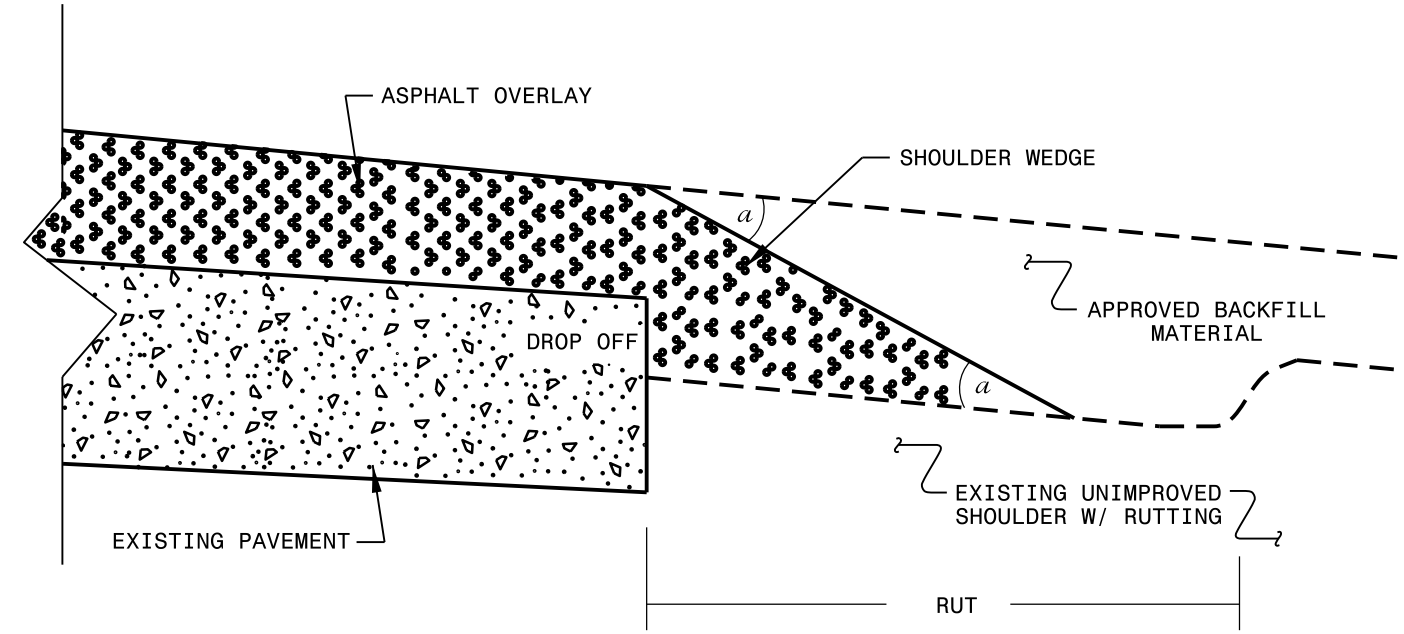
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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\detatl1s\stand\shoulderwedgedetatl1.dgn	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

\$\$\$\$SYTIME\$\$\$\$
 \$\$\$USERNAME\$\$\$

PROJECT NO.	SHEET NO.
2021CPT.03.09.10312, ETC.	11

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	1526000000-E	1575000000-E	1775500000-E	1838000000-E	1880000000-E	2830000000-N				
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONST.	1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5B (SHORT OVERLAY)	LEVELING COURSE, S9.5B	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE (GRANITE)	EMULSION FOR ASPHALT SURFACE TREATMENT	PATCHING EXISTING PAVEMENT (MILL)	PATCHING EXISTING PAVEMENT (FULL DEPTH)	ADJUSTMENT OF MANHOLES		
												MI	FT	CY	TON	SMI	SY	SY	TON	TONS	TON	TON	TON	SY	GAL	TON	TON	EA
2021CPT.03.09.20311	Duplin	3	SR 1809 (EDMUND BRINSON RD.)	FROM SR 1801 TO SR 1715 [MP 0.00 - MP 1.67]	4	2	2WU	NO	NO	1.67	18	52	100	3.34		250	1,612		275		126			50	25			
TOTAL FOR MAP NO. 3												1.67		52	100	3.34		250	1,612		275		126			50	25	
2021CPT.03.09.20311	Duplin	4	SR 1715 (FOUNTAIN TOWN RD.)	FROM SR 1809 TO NC 111 [MP 6.79 - MP 10.13]	4	2	2WU	NO	NO	3.34	18	105	220	6.68	3,168	500	3,223		250		233			70	25			
TOTAL FOR MAP NO. 4												3.34		105	220	6.68	3,168	500	3,223		250		233			70	25	
2021CPT.03.09.20311	Duplin	5	SR 1004 (SUMMERLINS CROSSROADS RD.)	FROM NC 11 TO SR 1300 [MP 0.00 - MP 3.60]	5	2	2WU	NO	NO	3.6	22	169	150	7.20	1,291	500	4,241				284	46,464	18,590	25	25			
TOTAL FOR MAP NO. 5												3.6		169	150	7.20	1,291	500	4,241				284	46,464	18,590	25	25	
2021CPT.03.09.20311	Duplin	8	SR 1975 (LIGHTHOUSE RD.)	FROM SR 1827 TO SR 1977 [MP 0.94 - MP 2.52]	4	2	2WU	NO	NO	1.58	20	50	80	3.16		222	1,539		350		127			25	25			
TOTAL FOR MAP NO. 8												1.58		50	80	3.16		222	1,539		350		127			25	25	
2021CPT.03.09.20311	Duplin	11	SR 1006 (W. TRADE RD.)	FROM WAYNE CO LINE TO US 117 CONNECTOR [MP 0.00 - MP 1.97]	4	2	2WU	NO	NO	1.97	18	62	50	4.10		700	1,728		50		119			25			1	
TOTAL FOR MAP NO. 11												1.97		62	50	4.10		700	1,728		50		119			25		1
TOTAL FOR PROJ NO. 2021CPT.03.09.20311												12.16		438	600	24.48	4,459	2,172	12,343		925		889	46,464	18,590	195	100	1
												12,343																
2021CPT.03.09.20312	Duplin	28	SR 1531 (SHEEP PASTURE RD.)	FROM NC 111 TO SR 1306 [MP 0.00 - MP 2.59]	N/A	2	2WU	NO	NO	2.59	20						301			20								
TOTAL FOR MAP NO. 28												2.59							301			20						
2021CPT.03.09.20312	Duplin	29	SR 1532 (SIMMONS MILL RD.)	FROM NC 111 TO SR 1531 [MP 0.00 - MP 0.58]	N/A	2	2WU	NO	NO	0.58	20						71			5								
TOTAL FOR MAP NO. 29												0.58							71			5						
2021CPT.03.09.20312	Duplin	30	SR 1519 (WHITE FLASH RD. / JOHN DAVID GRADY RD.)	FROM SR 1501 TO NC 111 [MP 0.00 - MP 8.23]	N/A	2	2WU	NO	NO	8.23	20						268			18								
TOTAL FOR MAP NO. 30												8.23							268			18						
2021CPT.03.09.20312	Duplin	37	SR 1554 (MAXWELL MILL RD.)	FROM SR 1555 TO NC 11 [MP 0.00 - MP 1.37]	N/A	2	2WU	NO	NO	1.37	21						16			1								
TOTAL FOR MAP NO. 37												1.37							16			1						
2021CPT.03.09.20312	Duplin	40	SR 1710 (SUMNER RD.)	FROM SR 1700 TO LENIOR COUNTY LINE [MP 0.00 - MP 5.31]	N/A	2	2WU	NO	NO	5.31	20						380			25								
TOTAL FOR MAP NO. 40												5.31							380			25						
2021CPT.03.09.20312	Duplin	41	SR 1711 (CHURCH RD.)	FROM NC 24 TO NC 41 [MP 0.00 - MP 3.63]	N/A	2	2WU	NO	NO	3.63	20						319			21								
TOTAL FOR MAP NO. 41												3.63							319			21						
2021CPT.03.09.20312	Duplin	42	SR 1975 (LIGHTHOUSE RD.)	FROM SR 1974 TO SR 1827 [MP 0.00 - MP 0.94]	N/A	2	2WU	NO	NO	0.94	20						427			29								
TOTAL FOR MAP NO. 42												0.94							427			29						
2021CPT.03.09.20312	Duplin	44	SR 1978 (LAWTON RD.)	FROM NC 50 TO END OF MAINTENANCE [MP 0.00 - MP 0.50]	8	2	2WU	NO	NO	0.5	20								333		23							
TOTAL FOR MAP NO. 44												0.5									333		23					
TOTAL FOR PROJ NO. 2021CPT.03.09.20312												23.15							1,782		333	142						
												1,782																
2021CPT.03.09.10312	Duplin	45	NC 111 S	FROM ONSLOW COUNTY LINE TO SR 1800 [MP 0.00 - MP 4.96]	N/A	2	2WU	NO	NO	4.96	4													414				
TOTAL FOR MAP NO. 45												4.96														414		
TOTAL FOR PROJ NO. 2021CPT.03.09.10312												4.96														414		
GRAND TOTAL												40.27		438	600	24.48	4,459	2,172	12,343	1,782	925	333	1,031	46,464	18,590	609	100	1
												14,125																

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	2845000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	
									ADJUSTMENT OF METER OR VALVE BOX	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	
									EA	LF	TON	TON	ACR	LBS	TON	SY	LF	LF	AC	LB	TON	EA	
2021CPT.03.09.20311	Duplin	3	SR 1809 (EDMUND BRINSON RD.)	FROM SR 1801 TO SR 1715 [MP 0.00 - MP 1.67]	4	2	2WU	NO				42	42	3.34	84	0.42	20	84	30	1.22	84	0.42	2
TOTAL FOR MAP NO. 3												42	42	3.34	84	0.42	20	84	30	1.22	84	0.42	2
2021CPT.03.09.20311	Duplin	4	SR 1715 (FOUNTAIN TOWN RD.)	FROM SR 1809 TO NC 111 [MP 6.79 - MP 10.13]	4	2	2WU	NO		334	84	84	84	3.34	167	0.84	30	167	60	2.43	167	0.84	2
TOTAL FOR MAP NO. 4										334	84	84	84	3.34	167	0.84	30	167	60	2.43	167	0.84	2
2021CPT.03.09.20311	Duplin	5	SR 1004 (SUMMERLINS CROSSROADS RD.)	FROM NC 11 TO SR 1300 [MP 0.00 - MP 3.60]	5	2	2WU	NO		720	180	180	180	7.20	360	1.80	50	360	110	5.25	360	1.80	2
TOTAL FOR MAP NO. 5										720	180	180	180	7.20	360	1.80	50	360	110	5.25	360	1.80	2
2021CPT.03.09.20311	Duplin	8	SR 1975 (LIGHTHOUSE RD.)	FROM SR 1827 TO SR 1977 [MP 0.94 - MP 2.52]	4	2	2WU	NO		158	40	40	40	1.58	79	0.40	20	79	30	1.15	79	0.40	2
TOTAL FOR MAP NO. 8										158	40	40	40	1.58	79	0.40	20	79	30	1.15	79	0.40	2
2021CPT.03.09.20311	Duplin	11	SR 1006 (W. TRADE RD.)	FROM WAYNE CO LINE TO US 117 CONNECTOR [MP 0.00 - MP 1.97]	4	2	2WU	NO	2	205	51	51	51	2.05	103	0.51	20	103	40	1.50	103	0.51	2
TOTAL FOR MAP NO. 11									2	205	51	51	2.05	103	0.51	20	103	40	1.50	103	0.51	2	
TOTAL FOR PROJ NO. 2021CPT.03.09.20311									2	1,417	397	397	17.51	793	3.97	140	793	270	11.55	793	3.97	10	
2021CPT.03.09.20312	Duplin	28	SR 1531 (SHEEP PASTURE RD.)	FROM NC 111 TO SR 1306 [MP 0.00 - MP 2.59]	N/A	2	2WU	NO															
TOTAL FOR MAP NO. 28																							
2021CPT.03.09.20312	Duplin	29	SR 1532 (SIMMONS MILL RD.)	FROM NC 111 TO SR 1531 [MP 0.00 - MP 0.58]	N/A	2	2WU	NO															
TOTAL FOR MAP NO. 29																							
2021CPT.03.09.20312	Duplin	30	SR 1519 (WHITE FLASH RD. / JOHN DAVID GRADY RD.)	FROM SR 1501 TO NC 111 [MP 0.00 - MP 8.23]	N/A	2	2WU	NO															
TOTAL FOR MAP NO. 30																							
2021CPT.03.09.20312	Duplin	37	SR 1554 (MAXWELL MILL RD.)	FROM SR 1555 TO NC 11 [MP 0.00 - MP 1.37]	N/A	2	2WU	NO															
TOTAL FOR MAP NO. 37																							
2021CPT.03.09.20312	Duplin	40	SR 1710 (SUMNER RD.)	FROM SR 1700 TO LENIOR COUNTY LINE [MP 0.00 - MP 5.31]	N/A	2	2WU	NO															
TOTAL FOR MAP NO. 40																							
2021CPT.03.09.20312	Duplin	41	SR 1711 (CHURCH RD.)	FROM NC 24 TO NC 41 [MP 0.00 - MP 3.63]	N/A	2	2WU	NO															
TOTAL FOR MAP NO. 41																							
2021CPT.03.09.20312	Duplin	42	SR 1975 (LIGHTHOUSE RD.)	FROM SR 1974 TO SR 1827 [MP 0.00 - MP 0.94]	N/A	2	2WU	NO															
TOTAL FOR MAP NO. 42																							
2021CPT.03.09.20312	Duplin	44	SR 1978 (LAWTON RD.)	FROM NC 50 TO END OF MAINTENANCE [MP 0.00 - MP 0.50]	8	2	2WU	NO															
TOTAL FOR MAP NO. 44																							
TOTAL FOR PROJ NO. 2021CPT.03.09.20312																							
2021CPT.03.09.10312	Duplin	45	NC 111 S	FROM ONSLOW COUNTY LINE TO SR 1800 [MP 0.00 - MP 4.96]	N/A	2	2WU	NO															
TOTAL FOR MAP NO. 45																							
TOTAL FOR PROJ NO. 2021CPT.03.09.10312																							
GRAND TOTAL									2	1,417	397	397	17.51	793	3.97	140	793	270	11.55	793	3.97	10	

PROJECT NO.	SHEET NO.
2021CPT.03.09.10312, ETC.	13

THERMOPLASTIC AND PAINT QUANTITIES

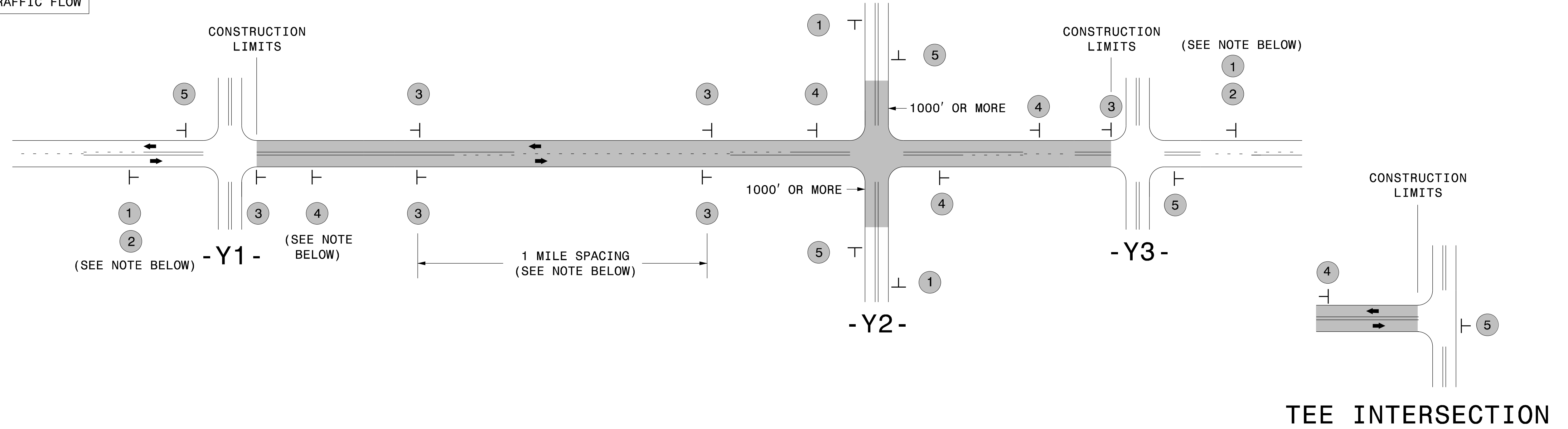
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	441300000-E	445700000-N	468500000-E		481000000-E		483500000-E	485000000-E	490000000-N		
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" WHITE PAINT	4" YELLOW PAINT	24" WHITE PAINT	REMOVAL OF PAVEMENT MARKING LINES (4")	YELLOW & YELLOW MARKERS		
										SF	LS	LF	LF	LF	LF	LF	LF	EA		
2021CPT.03.09.20311	Duplin	3	SR 1809 (EDMUND BRINSON RD.)	FROM SR 1801 TO SR 1715 [MP 0.00 - MP 1.67]	4	2	2WU	1.67	18					35,938	22,044			110		
TOTAL FOR MAP NO. 3										1.67				35,938	22,044			110		
2021CPT.03.09.20311	Duplin	4	SR 1715 (FOUNTAIN TOWN RD.)	FROM SR 1809 TO NC 111 [MP 6.79 - MP 10.13]	4	2	2WU	3.34	18	375				71,877	44,088	40		220		
TOTAL FOR MAP NO. 4										3.34				71,877	44,088	40		220		
2021CPT.03.09.20311	Duplin	5	SR 1004 (SUMMERLINS CROSSROADS RD.)	FROM NC 11 TO SR 1300 [MP 0.00 - MP 3.60]	5	2	2WU	3.6	22	405				77,472	47,520	72	500	238		
TOTAL FOR MAP NO. 5										3.6				77,472	47,520	72	500	238		
2021CPT.03.09.20311	Duplin	8	SR 1975 (LIGHTHOUSE RD.)	FROM SR 1827 TO SR 1977 [MP 0.94 - MP 2.52]	4	2	2WU	1.58	20					34,002	20,856			104		
TOTAL FOR MAP NO. 8										1.58				34,002	20,856			104		
2021CPT.03.09.20311	Duplin	11	SR 1006 (W. TRADE RD.)	FROM WAYNE CO LINE TO US 117 CONNECTOR [MP 0.00 - MP 1.97]	4	2	2WU	1.97	18			21,197	26,004					130		
TOTAL FOR MAP NO. 11										1.97				21,197	26,004			130		
TOTAL FOR PROJ NO. 2021CPT.03.09.20311										12.16	780	*		21,197	26,004	219,289	134,508	112	500	802
													47,201	353,797						
2021CPT.03.09.20312	Duplin	28	SR 1531 (SHEEP PASTURE RD.)	FROM NC 111 TO SR 1306 [MP 0.00 - MP 2.59]	N/A	2	2WU	2.59	20											
TOTAL FOR MAP NO. 28										2.59										
2021CPT.03.09.20312	Duplin	29	SR 1532 (SIMMONS MILL RD.)	FROM NC 111 TO SR 1531 [MP 0.00 - MP 0.58]	N/A	2	2WU	0.58	20											
TOTAL FOR MAP NO. 29										0.58										
2021CPT.03.09.20312	Duplin	30	SR 1519 (WHITE FLASH RD. / JOHN DAVID GRADY RD.)	FROM SR 1501 TO NC 111 [MP 0.00 - MP 8.23]	N/A	2	2WU	8.23	20											
TOTAL FOR MAP NO. 30										8.23										
2021CPT.03.09.20312	Duplin	37	SR 1554 (MAXWELL MILL RD.)	FROM SR 1555 TO NC 11 [MP 0.00 - MP 1.37]	N/A	2	2WU	1.37	21											
TOTAL FOR MAP NO. 37										1.37										
2021CPT.03.09.20312	Duplin	40	SR 1710 (SUMNER RD.)	FROM SR 1700 TO LENIOR COUNTY LINE [MP 0.00 - MP 5.31]	N/A	2	2WU	5.31	20											
TOTAL FOR MAP NO. 40										5.31										
2021CPT.03.09.20312	Duplin	41	SR 1711 (CHURCH RD.)	FROM NC 24 TO NC 41 [MP 0.00 - MP 3.63]	N/A	2	2WU	3.63	20											
TOTAL FOR MAP NO. 41										3.63										
2021CPT.03.09.20312	Duplin	42	SR 1975 (LIGHTHOUSE RD.)	FROM SR 1974 TO SR 1827 [MP 0.00 - MP 0.94]	N/A	2	2WU	0.94	20											
TOTAL FOR MAP NO. 42										0.94										
2021CPT.03.09.20312	Duplin	44	SR 1978 (LAWTON RD.)	FROM NC 50 TO END OF MAINTENANCE [MP 0.00 - MP 0.50]		2	2WU	0.5	20											
TOTAL FOR MAP NO. 44										0.5										
TOTAL FOR PROJ NO. 2021CPT.03.09.20312										23.15	*									
2021CPT.03.09.10312	Duplin	45	NC 111 S	FROM ONSLOW COUNTY LINE TO SR 1800 [MP 0.00 - MP 4.96]	N/A	2	2WU	4.96	4											
TOTAL FOR MAP NO. 45										4.96	*									
TOTAL FOR PROJ NO. 2021CPT.03.09.10312										4.96	*									
GRAND TOTAL										40.27	780	1	21,197	26,004	219,289	134,508	112	500	802	
													47,201	353,797						

SIGNING FOR RESURFACING PROJECTS

LEGEND

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		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" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2		#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		- 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		- 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		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.

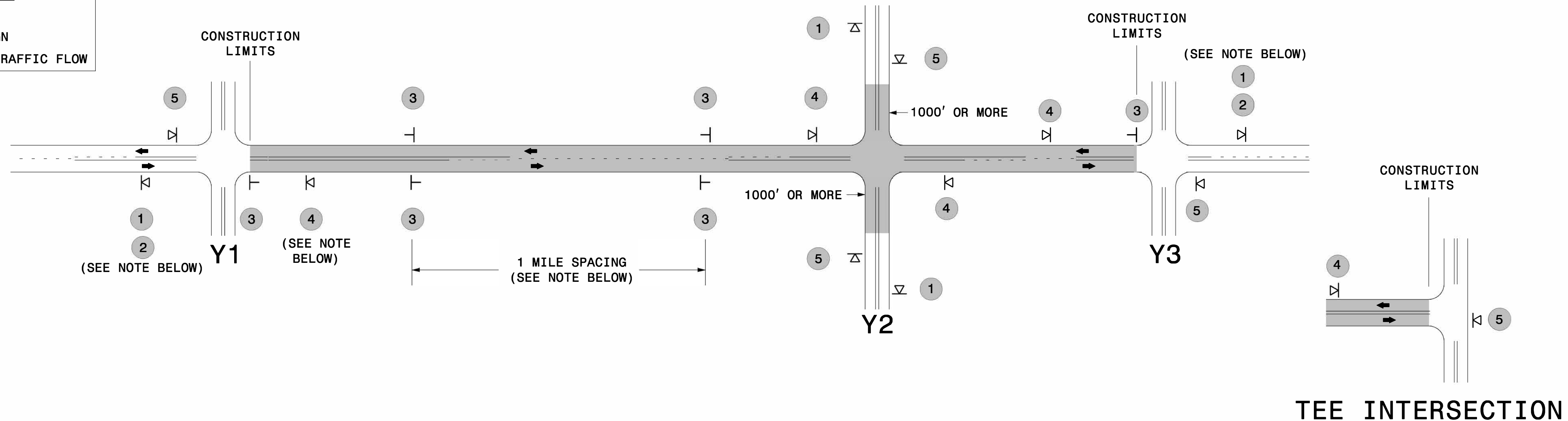


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

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;"> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> PLACED 250' IN ADVANCE OF FLAGGER. </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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

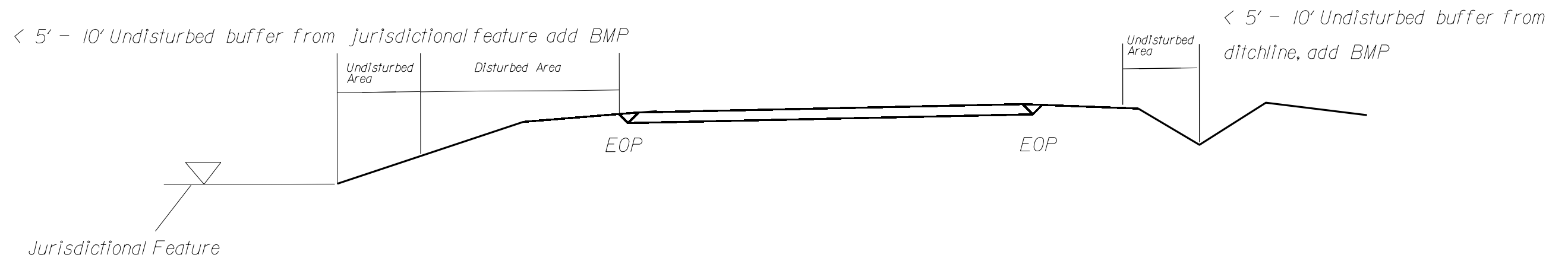
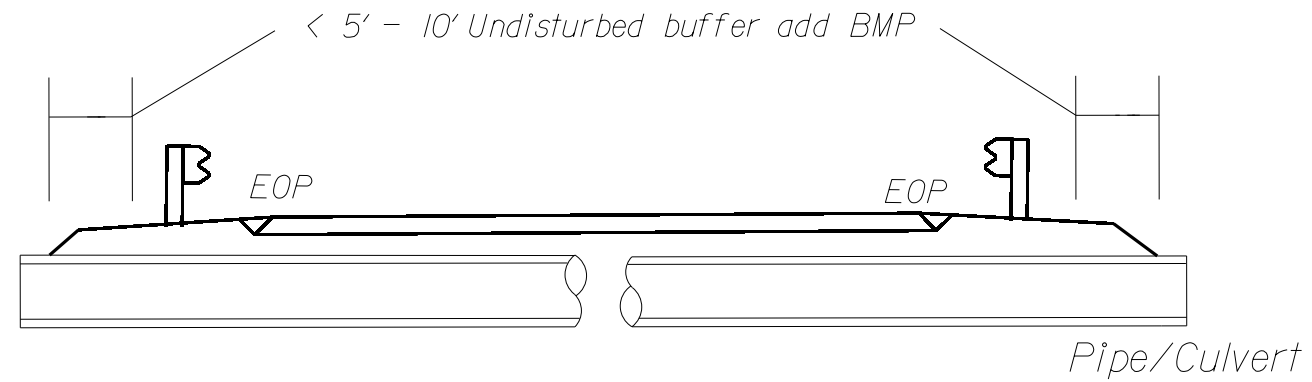
SOIL STABILIZATION TIMEFRAMES

<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

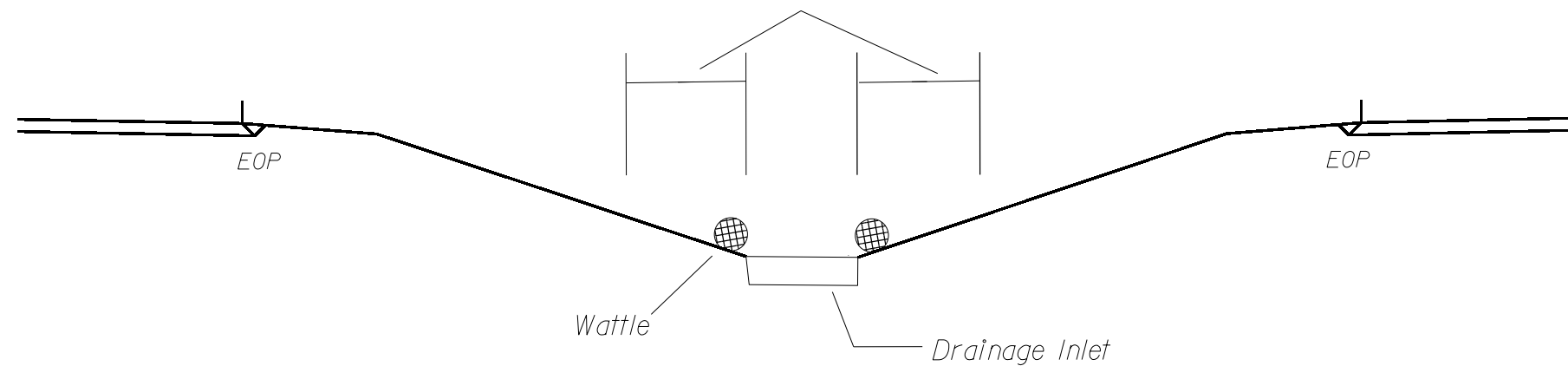
EROSION CONTROL DETAIL



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

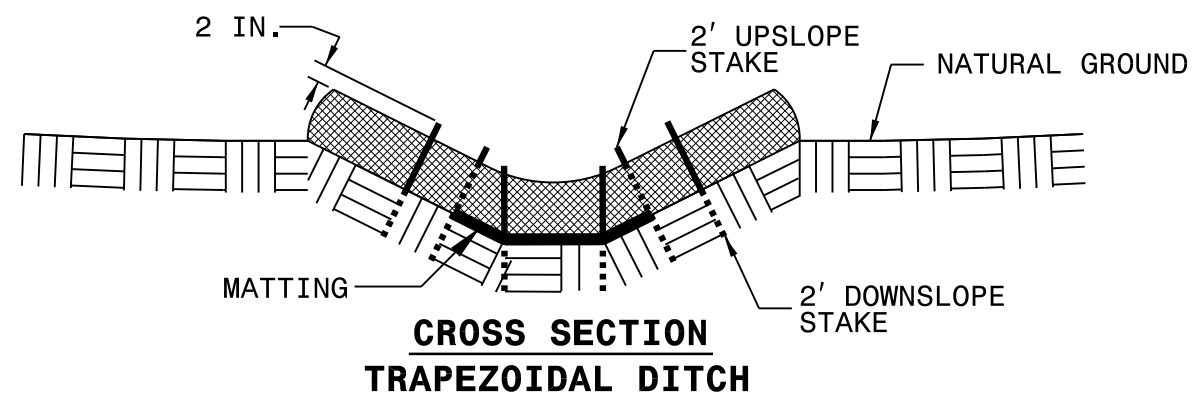
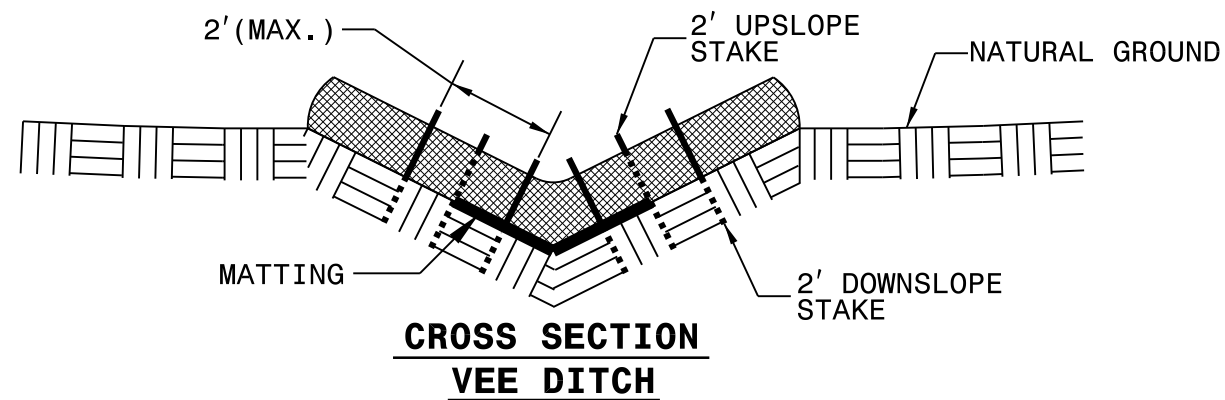
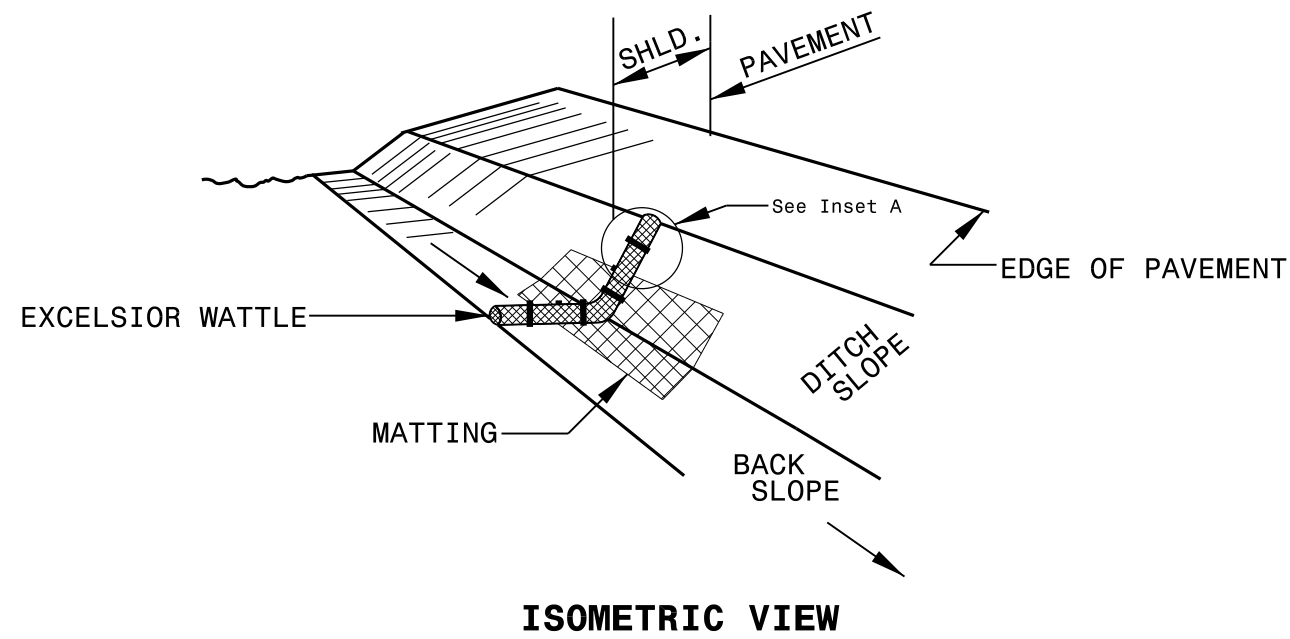


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

