

Duplin County

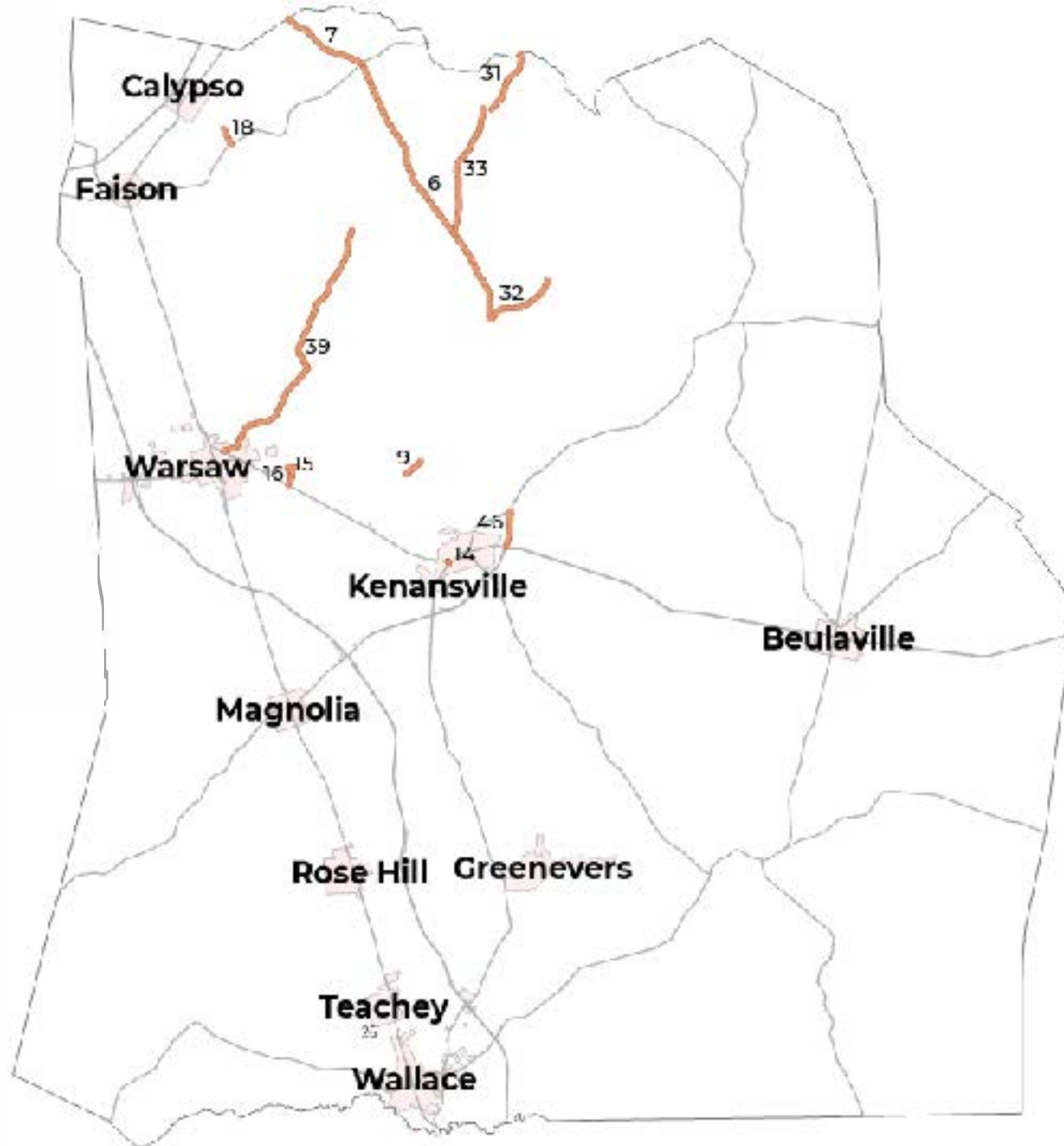
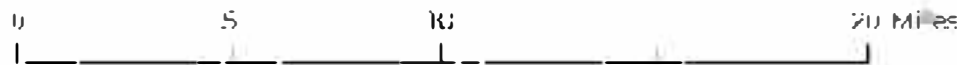


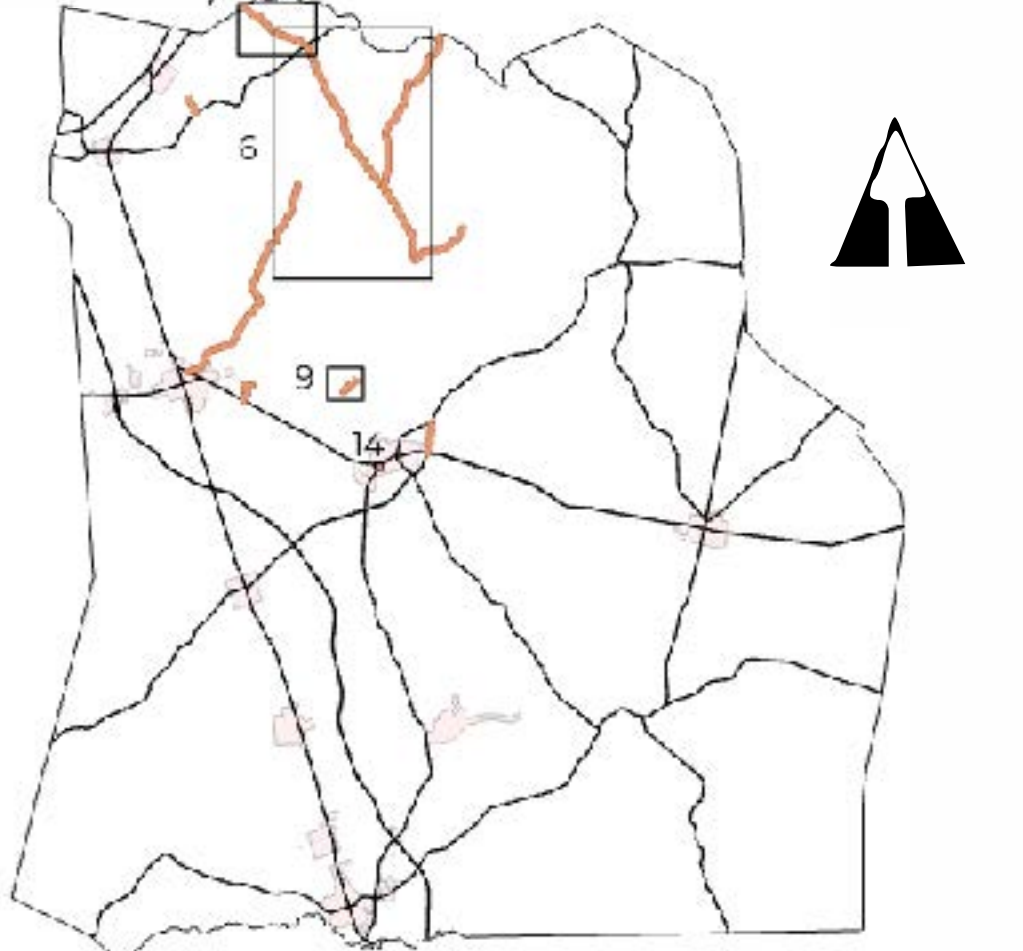
Table of Contents

Maps	Sheet No.
6, 7, 9, 14	2
15, 18, 31, 33	3
39, 46	4



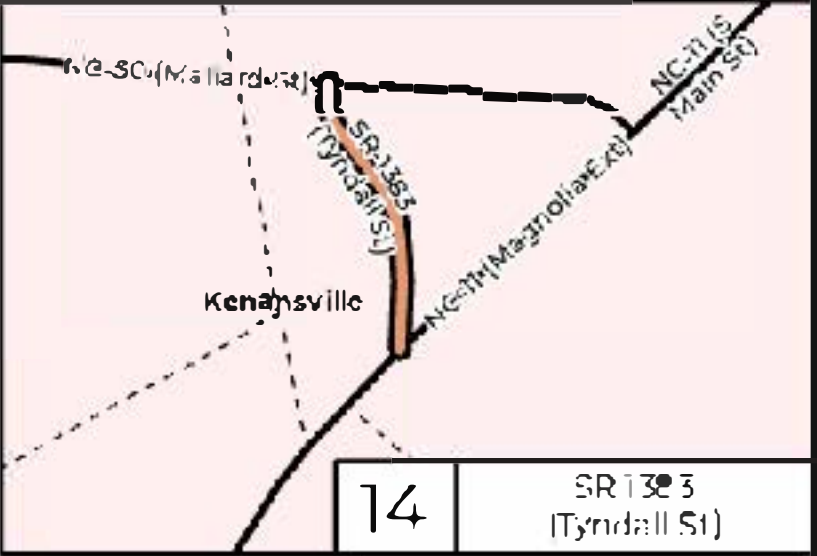
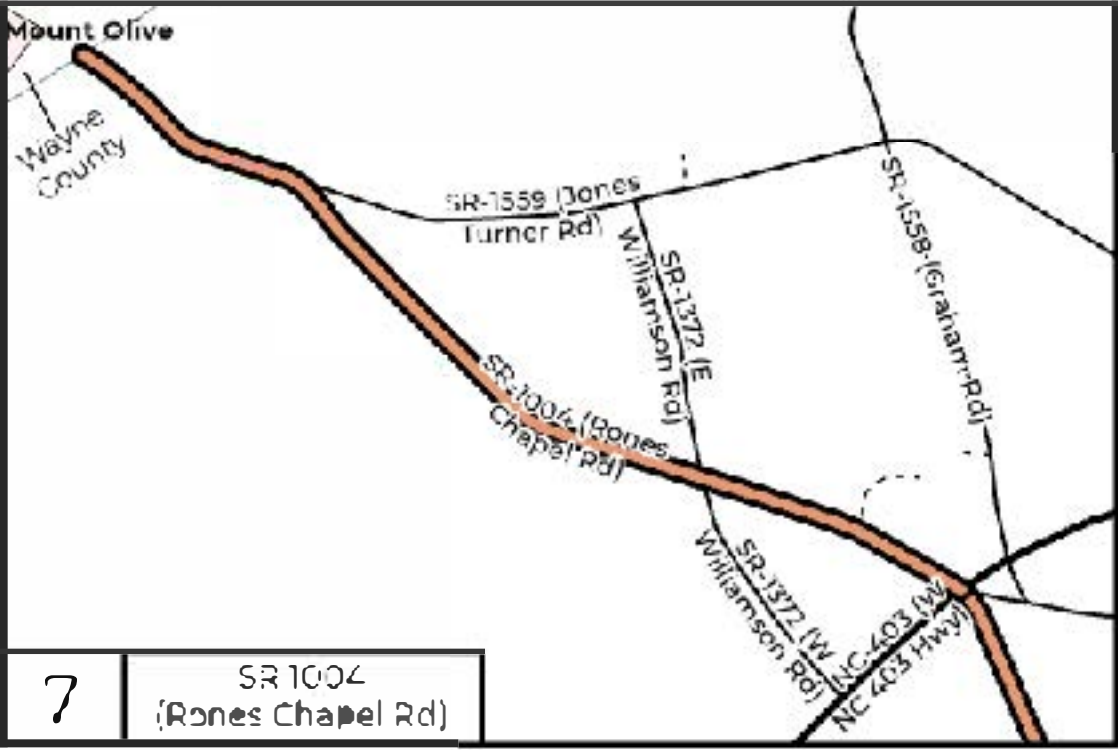
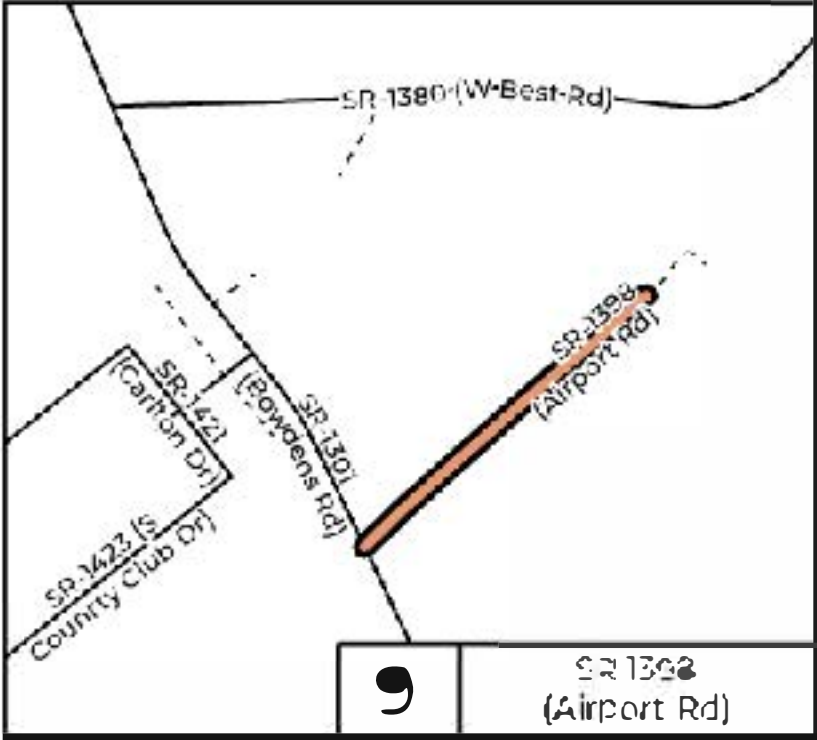
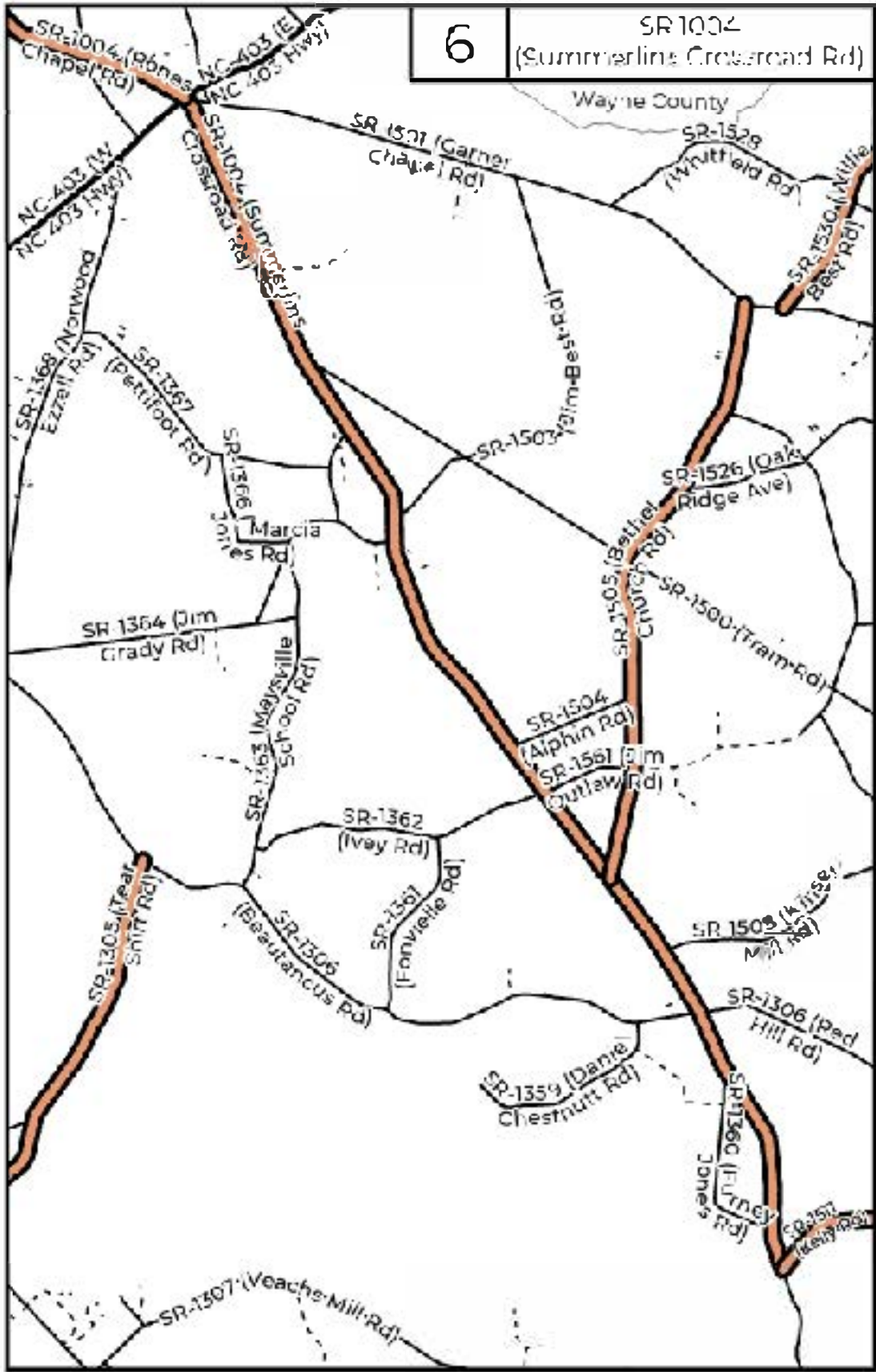
Duplin County 6, 7, 9, 14

PROJECT REFERENCE NO. 2021CPTC3.08.10312.ETC.	SHEET NO. 2
--	----------------



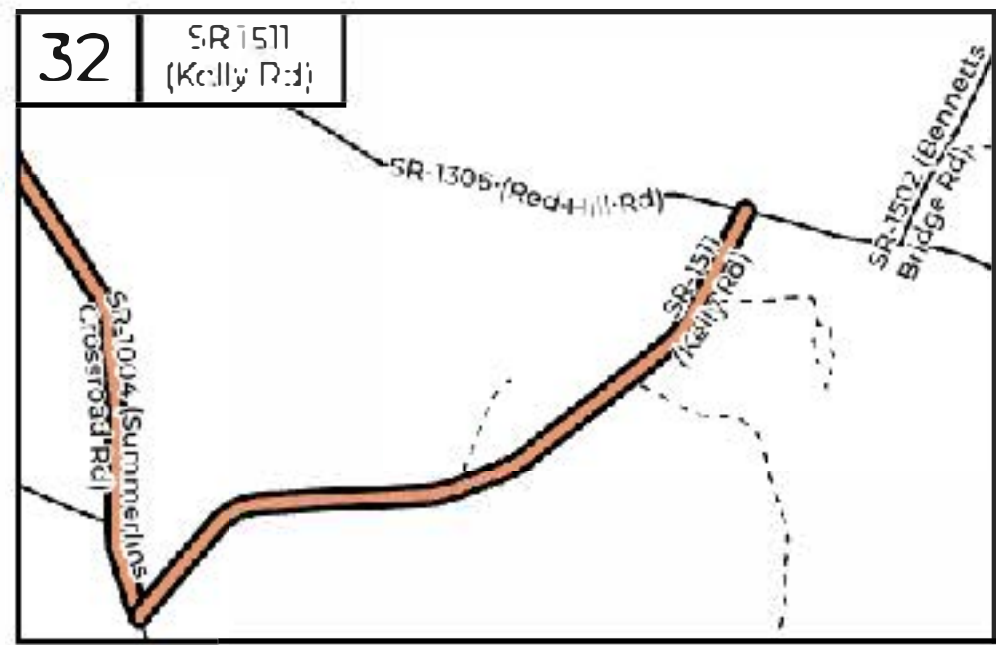
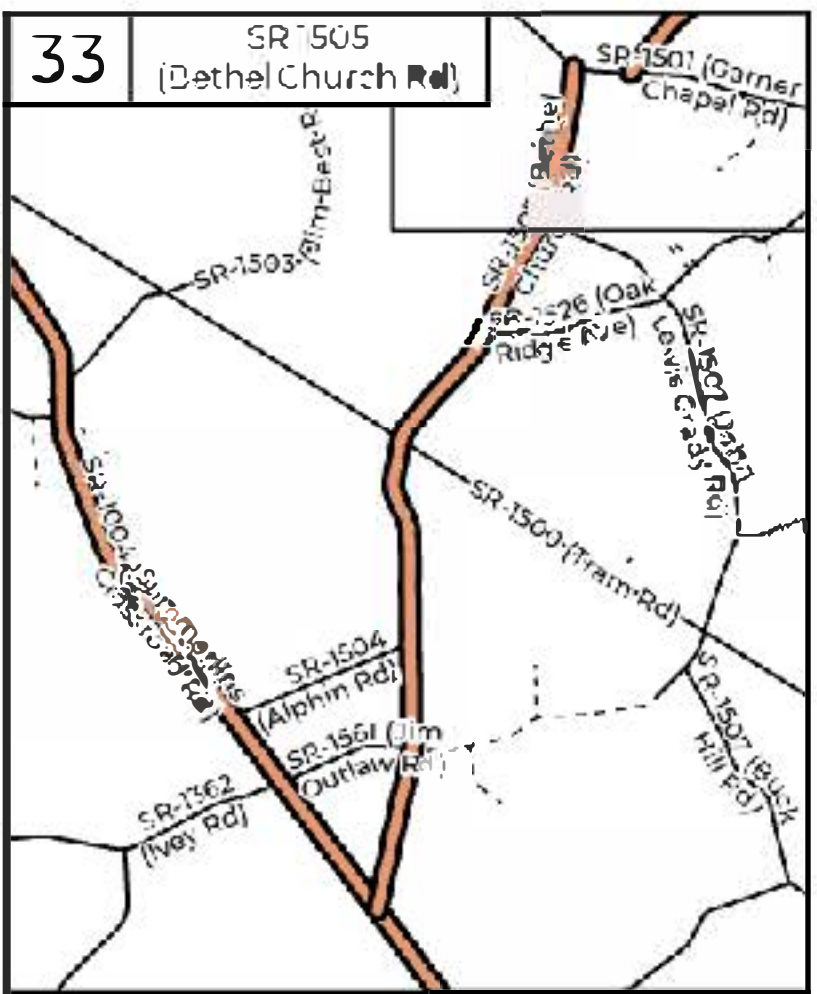
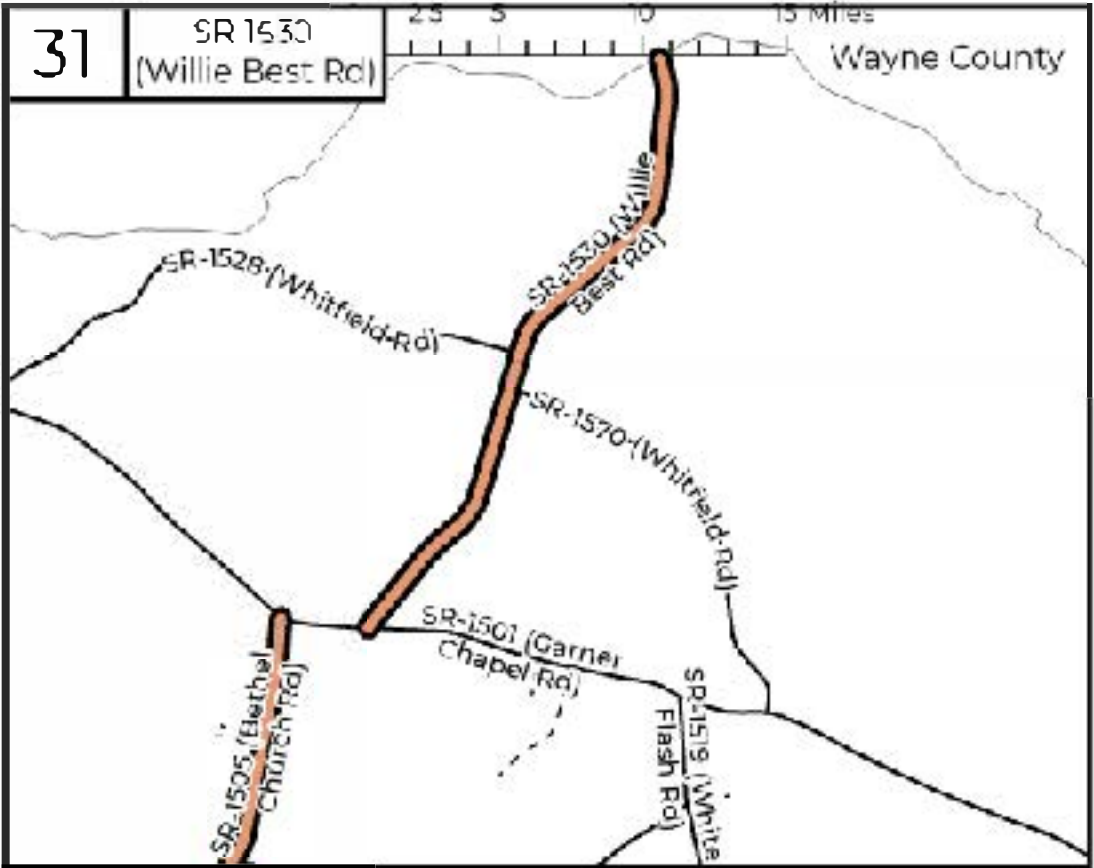
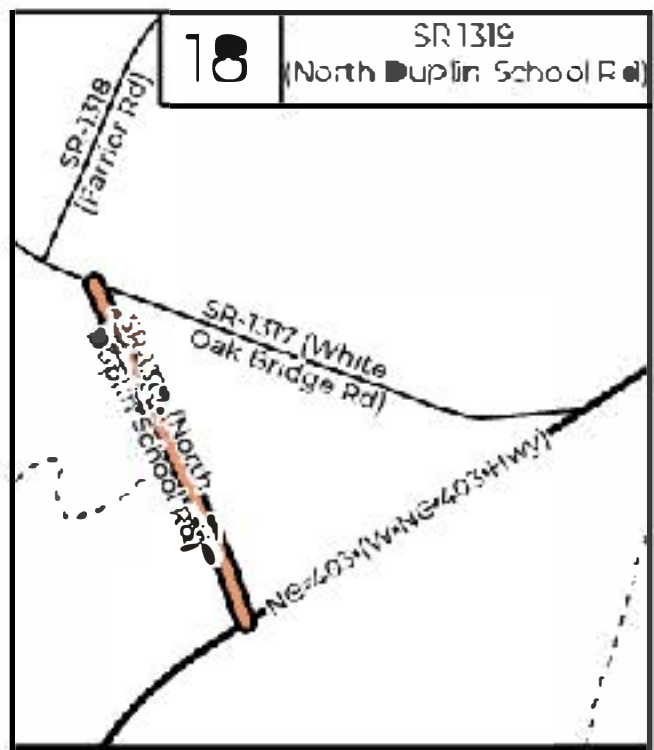
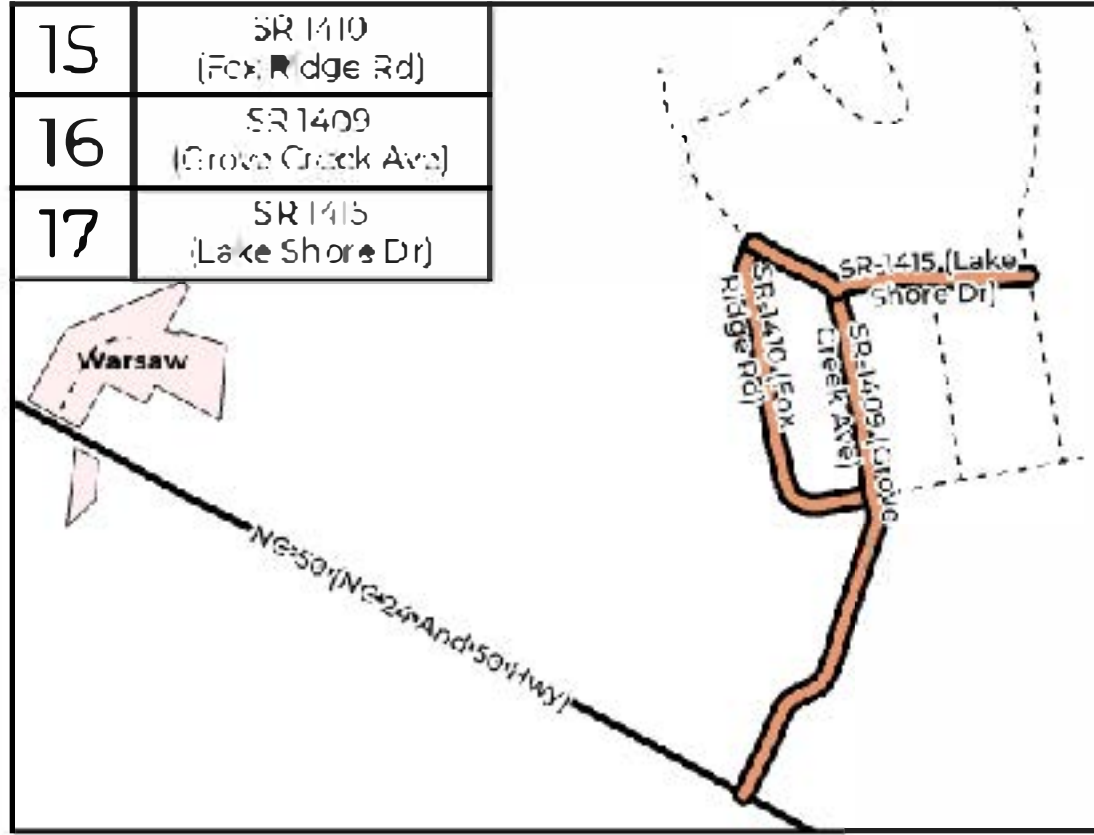
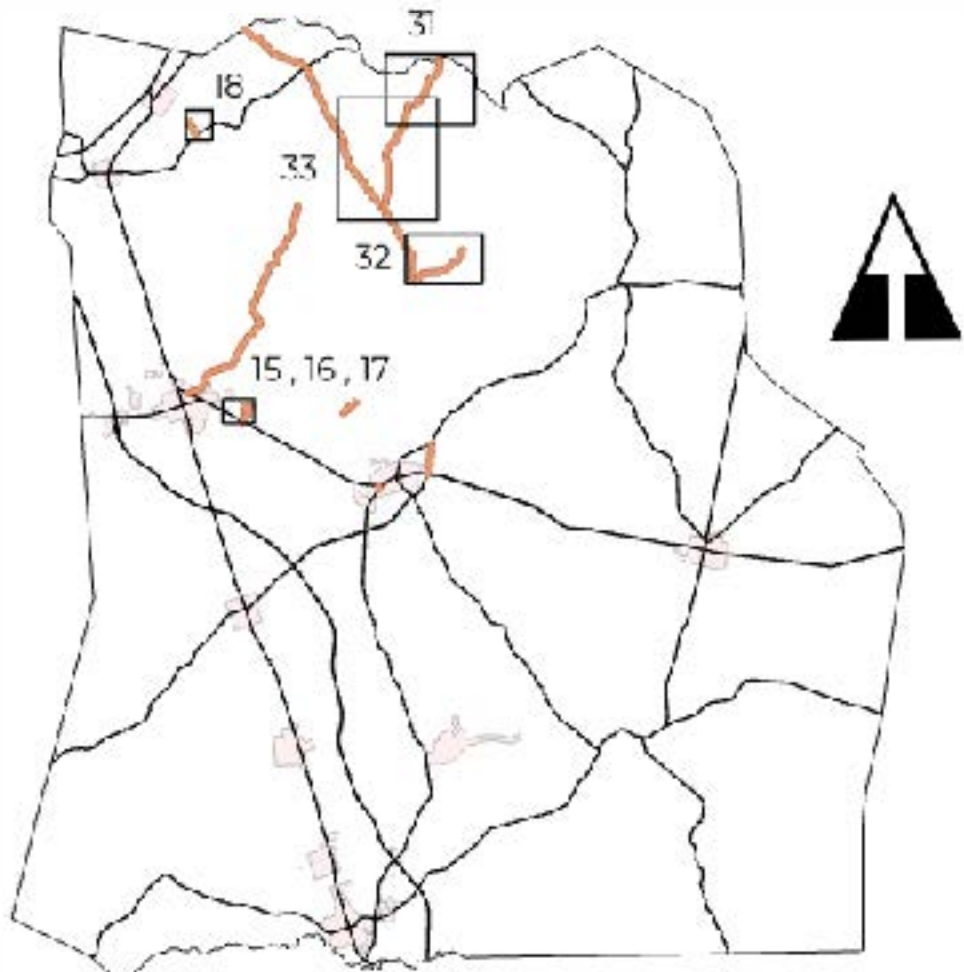
Legend

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



Duplin County 15-18, 31-33

PROJECT REFERENCE NO.	SHEET NO
2021-01-TC-308-10312-ETC	3

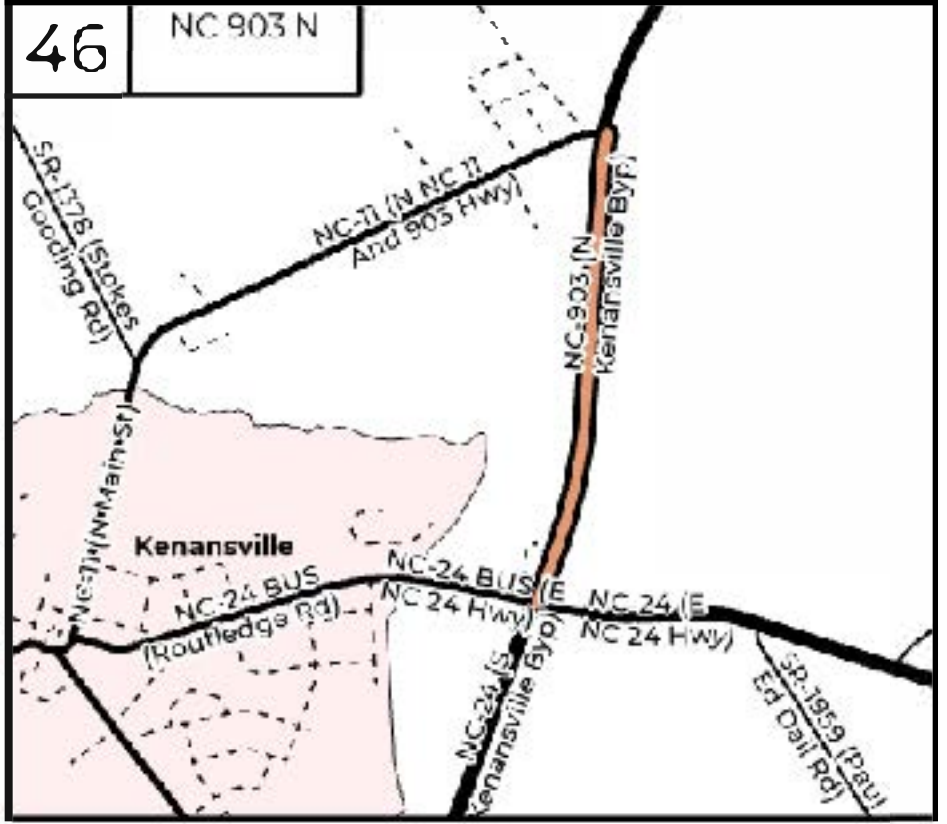
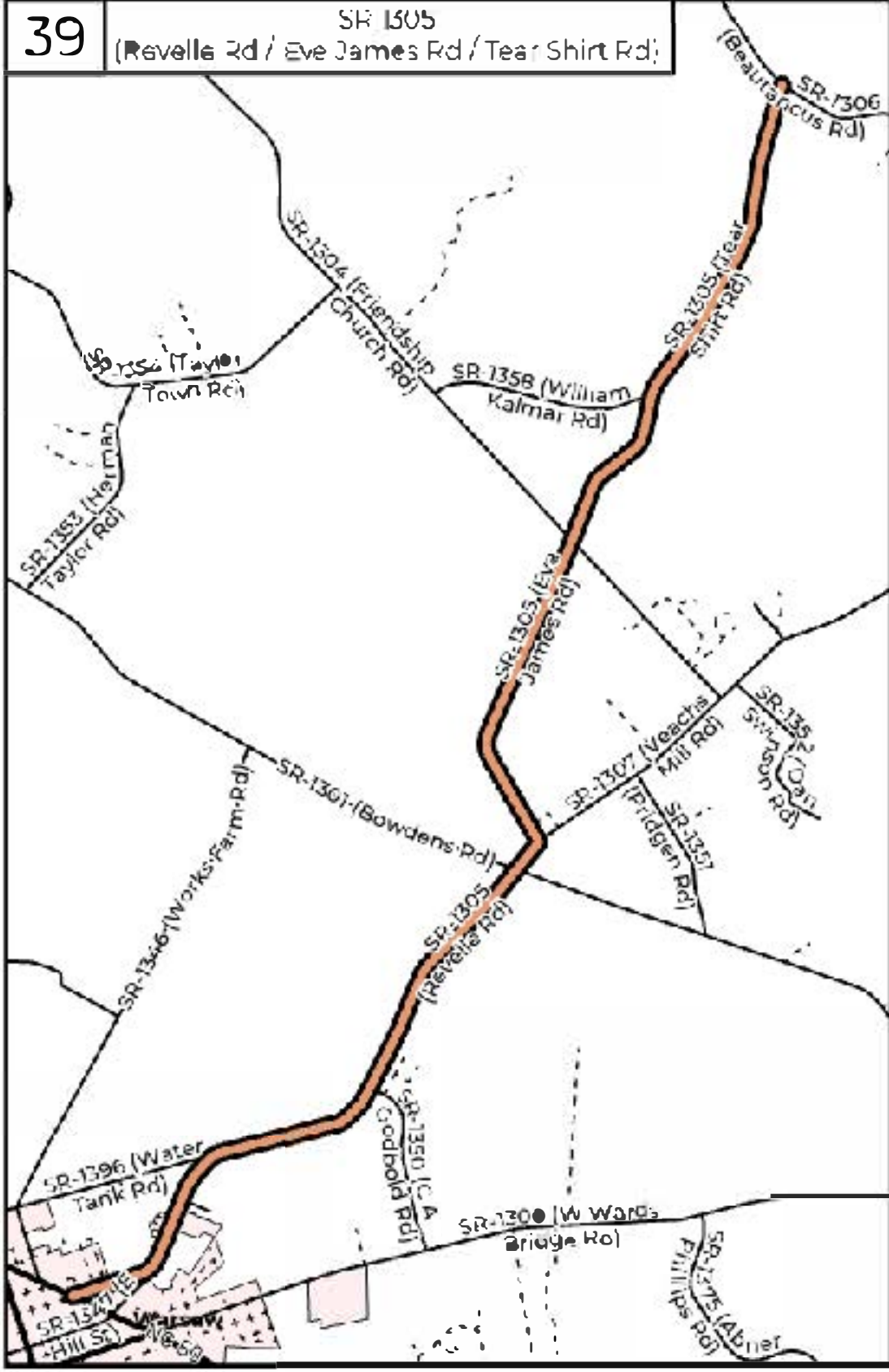
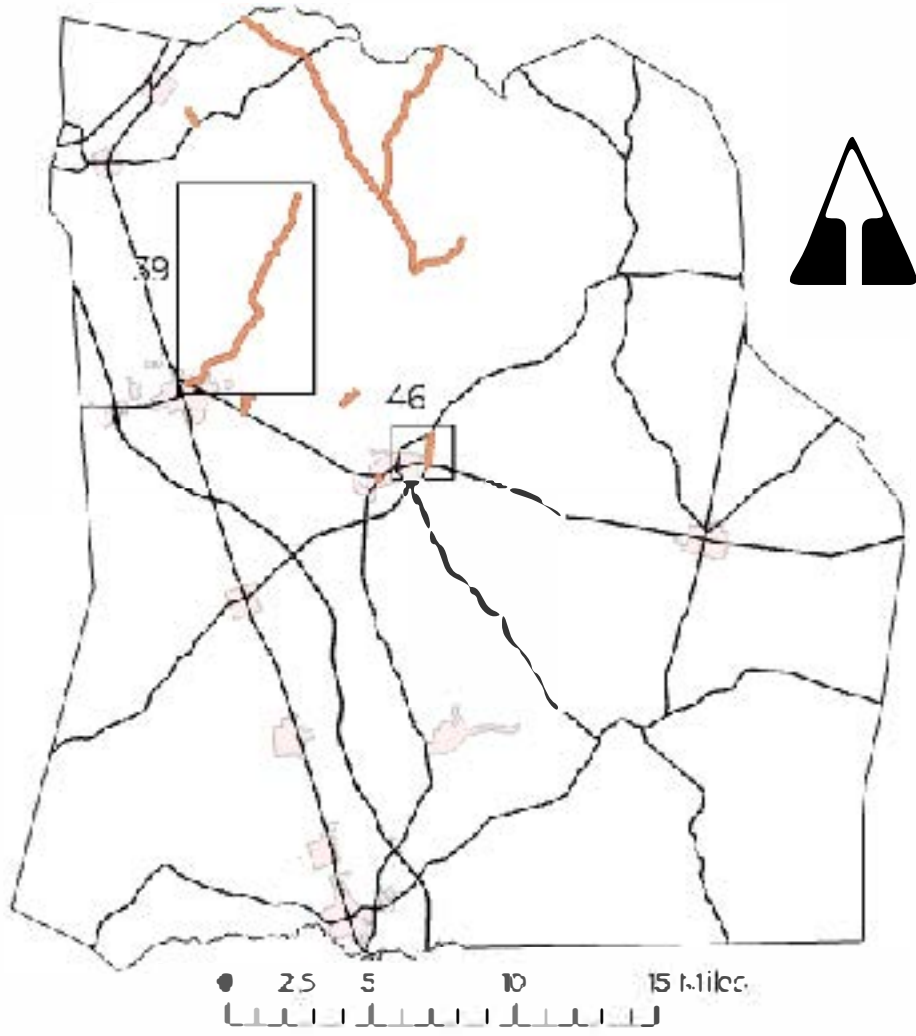


Legend

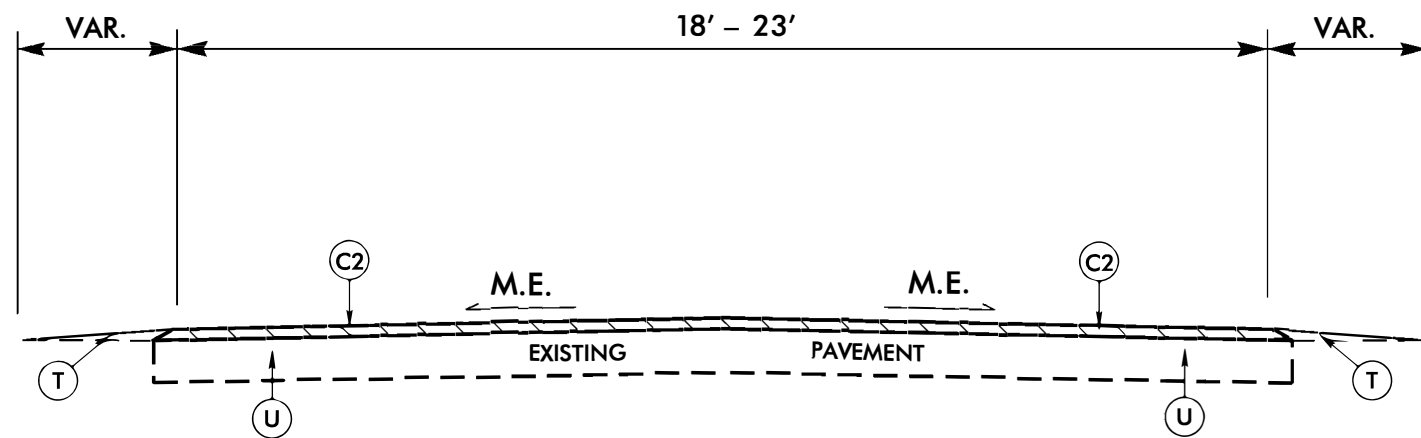
- Bridge
- State Maintained Road
- Municipality Road
- Road Section

Duplin County 39, 46

PROJECT REFERENCE NO.	SHEET NO
2021 CPTC3.08.10312.ETC	4



Legend	
	3-1000
	State Maintained Road
	Municipality Road



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

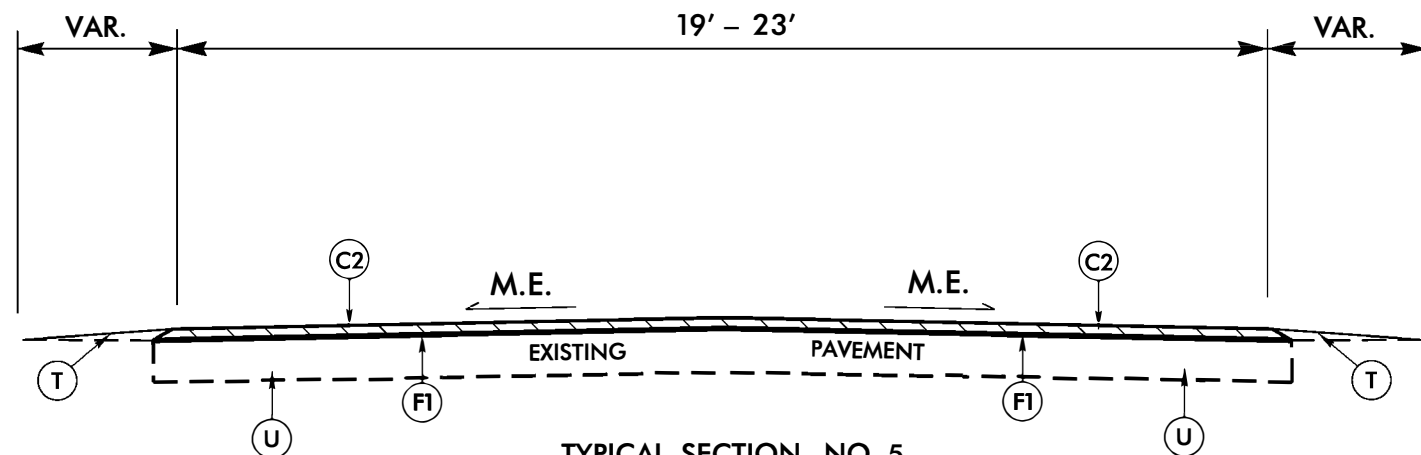
(VI) **NOTES:** MAP NO. 4 MILL 1½" FOR FLOODPLAIN FROM MP 6.90 - MP 7.20.

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

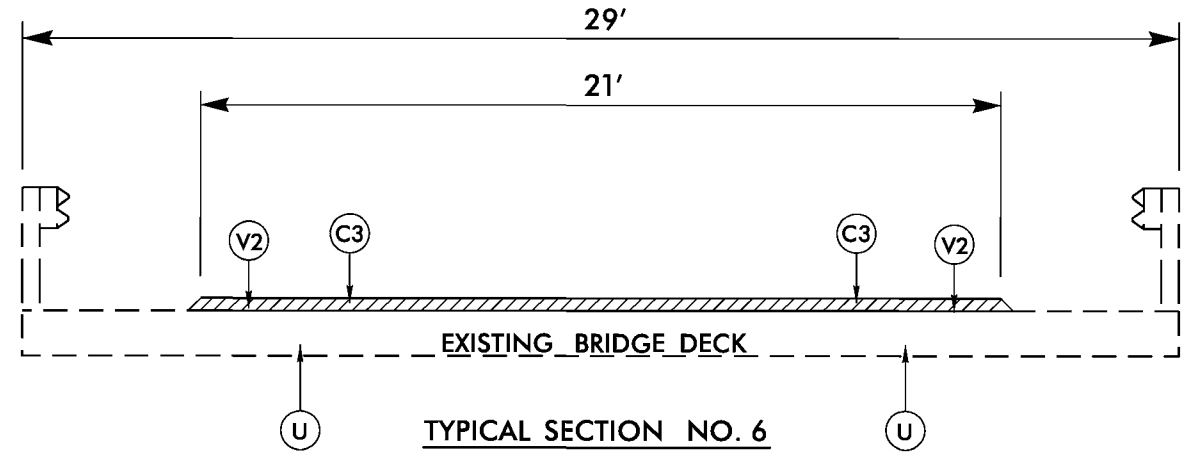
MAP NO. 10
SR 1953 (PASTURE BRANCH RD.)
MP 0.37 – MP 1.47

(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

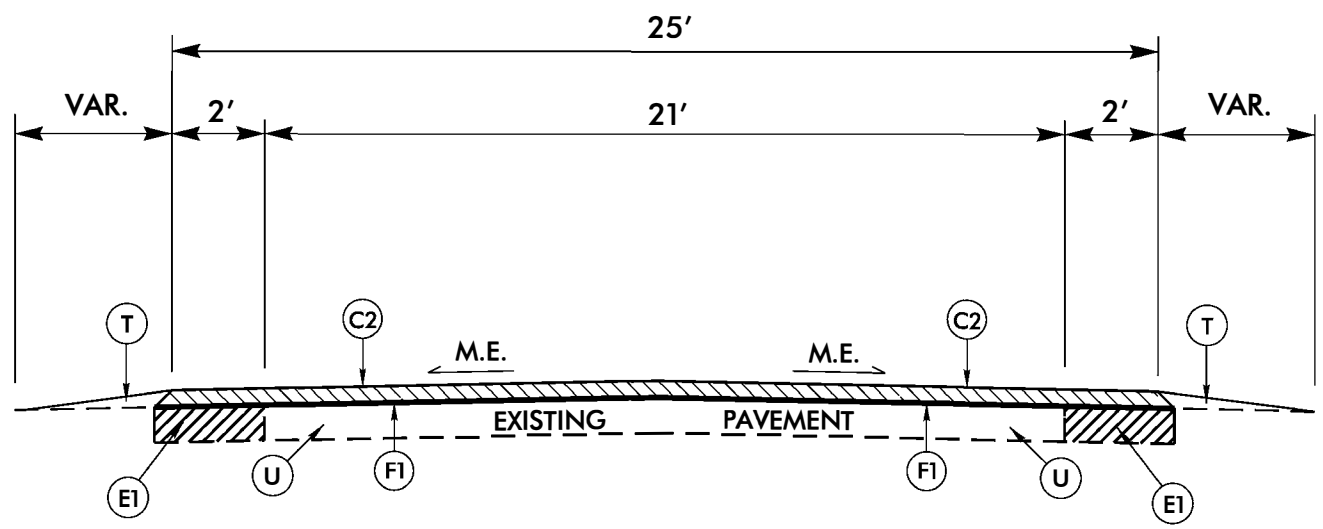
25-SEP-2020 10:31
 S:\Shared\NCR\2021 Resurfacing Trace & Bridge\Duplin\Typicals\Duplin - Typical.scdgn
 8/17/99



TYPICAL SECTION NO. 6
 MAP NO. 6
 SR 1004 (SUMMERLINS CROSSROAD RD.)
 DUPLIN BRIDGE #352
 MP 9.45 - MP 9.46

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

PAVEMENT SCHEDULE	
C2	1½" S9.5B
C3	1" S9.5B
E1	4" B25.0C
F1	AST-MAT COAT #67 (GRANITE) STONE
T	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT
V2	MILLING 1" DEPTH

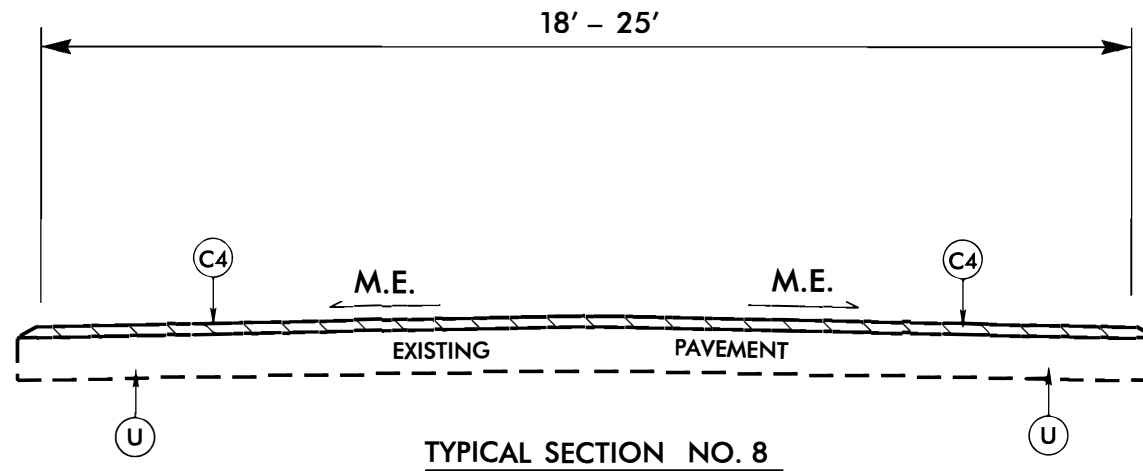


TYPICAL SECTION NO. 7
 MAP NO. 6
 SR 1004 (SUMMERLINS CROSSROAD RD.)
 MP 11.80 - MP 13.69

REVISIONS

25-SEP-2020 10:31 AM
 S:\Shared\NCE\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

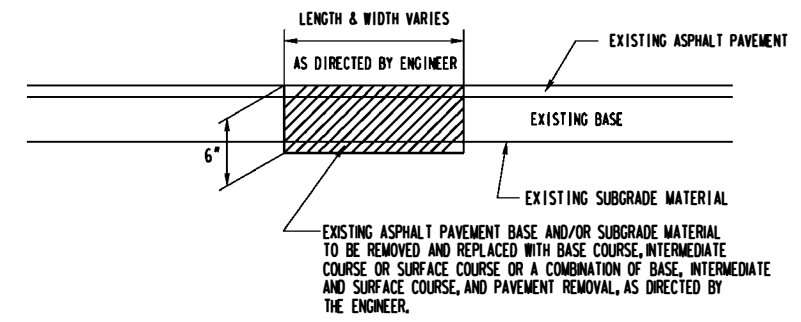
MAP NO. 25
SR 1186 (MOORETOWN RD.)
MP 0.00 - MP 0.20

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

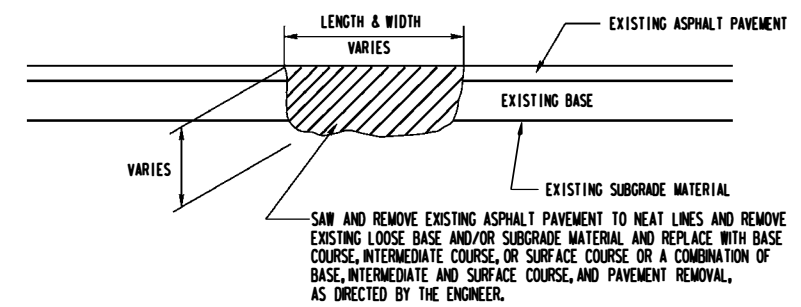
MAP NO. 27
SR 1185 (UNDERWOOD RD.)
MP 0.00 - MP 0.04

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

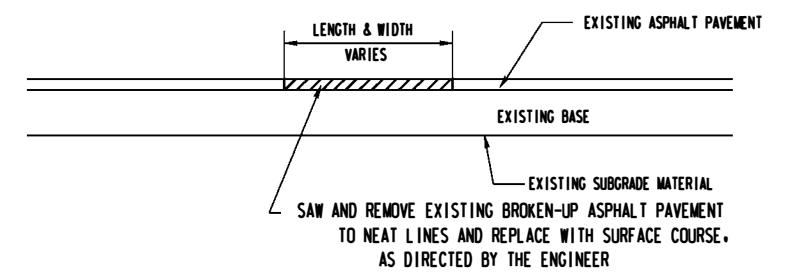
DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



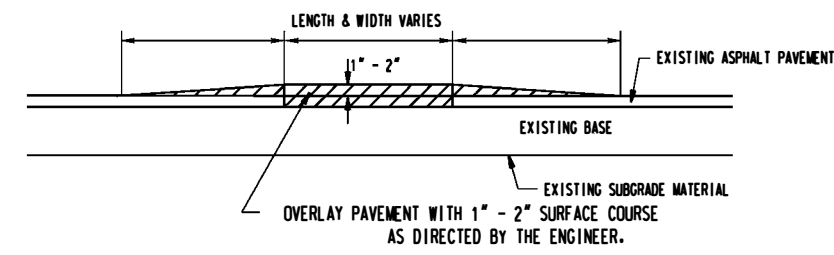
DETAIL NO. 1



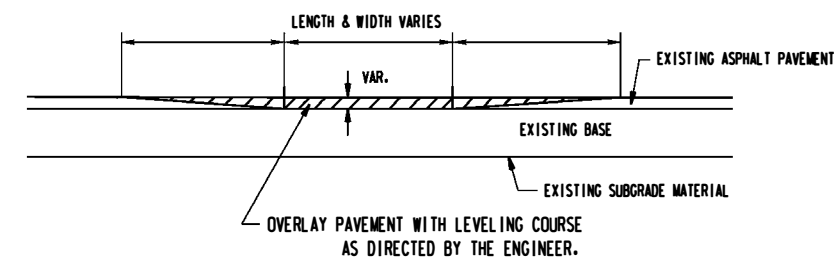
DETAIL NO. 2



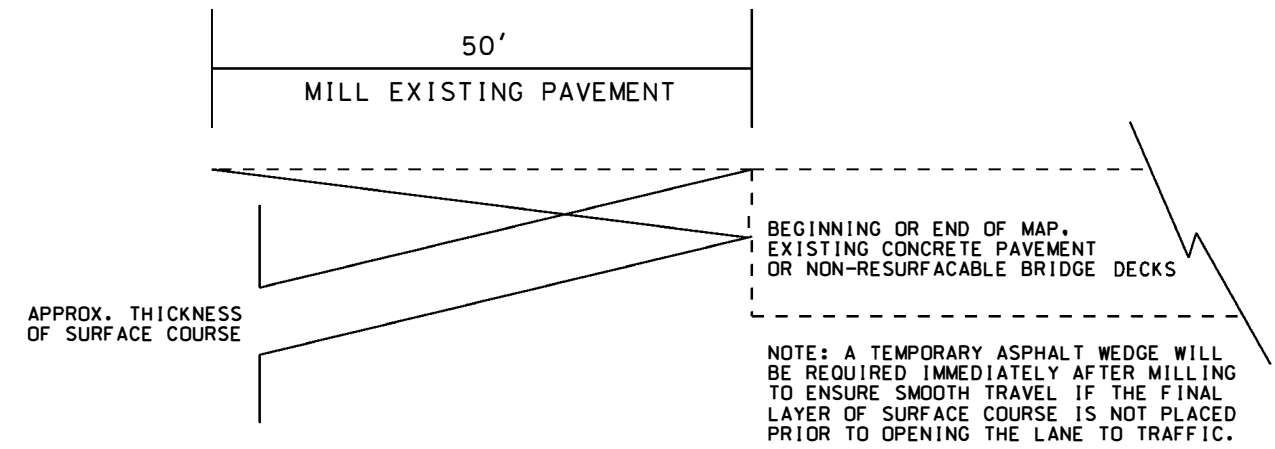
DETAIL NO. 3



DETAIL NO. 4



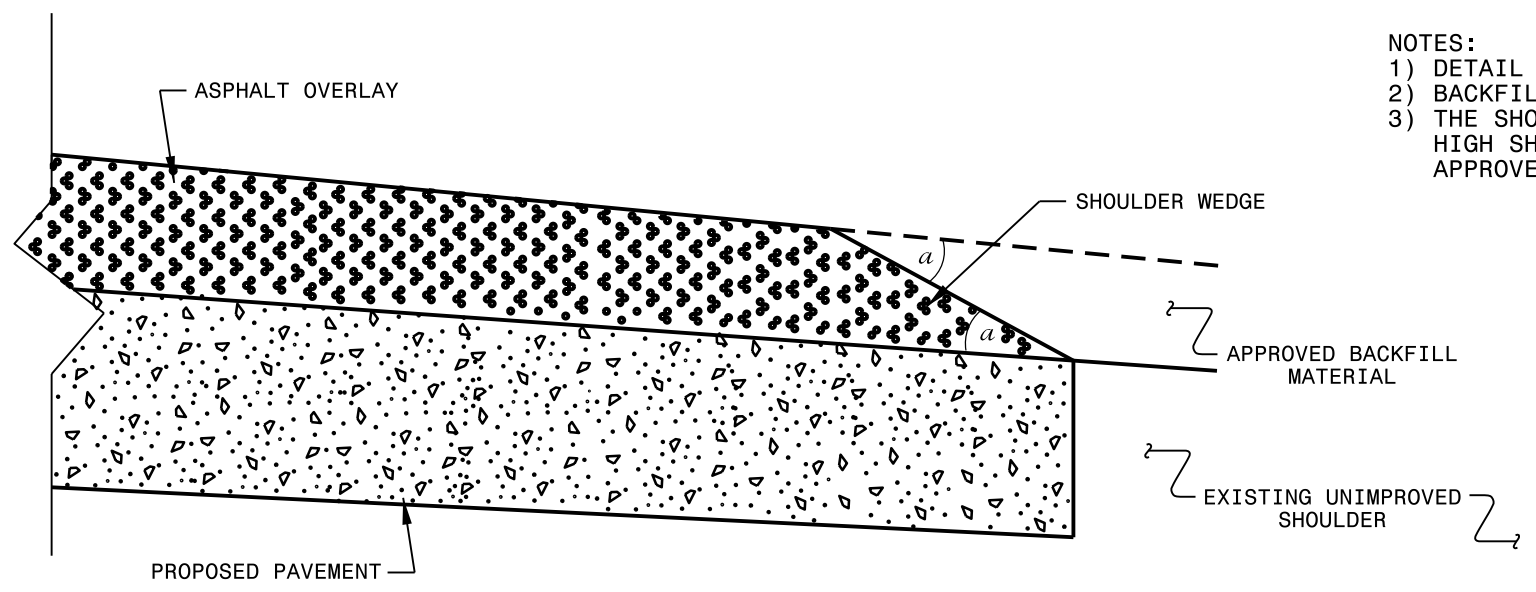
DETAIL NO. 5



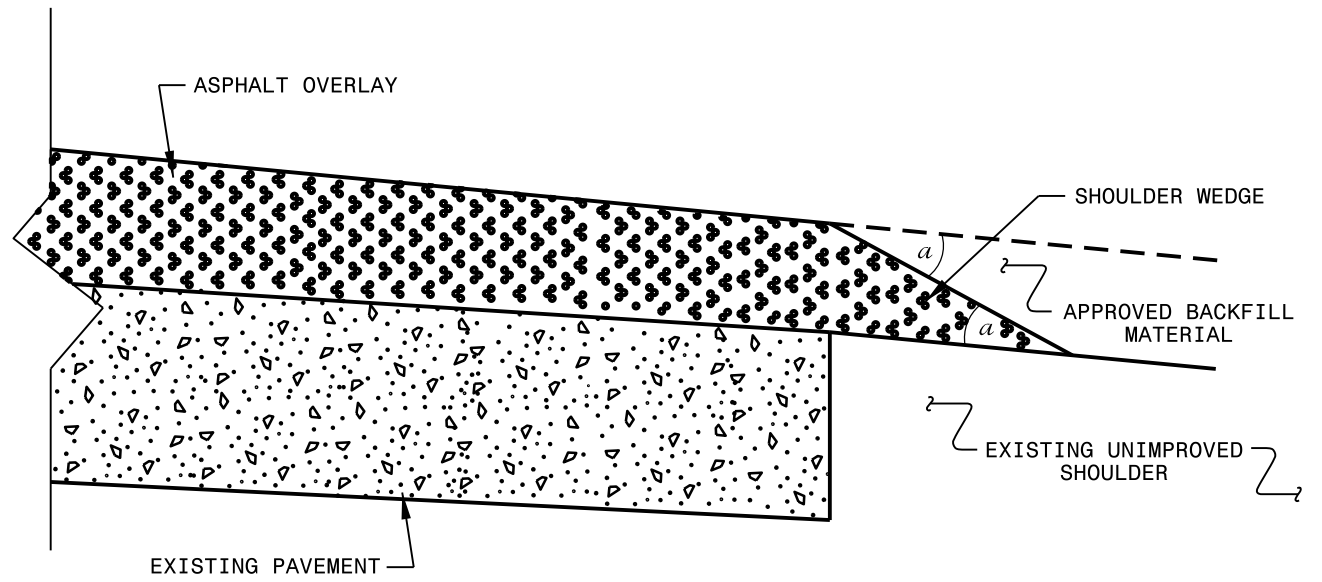
DETAIL FOR MILLING & INCIDENTAL MILLING PAY ITEMS:
MAY BE USED AT THE BEGINNING & END OF MAPS
AND AT APPROACH & TRAILING ENDS OF BRIDGES

5/14/19
c:\28-SEP-2018 07:50 Sheets\Microstation Files\Roadj_patch.dgn

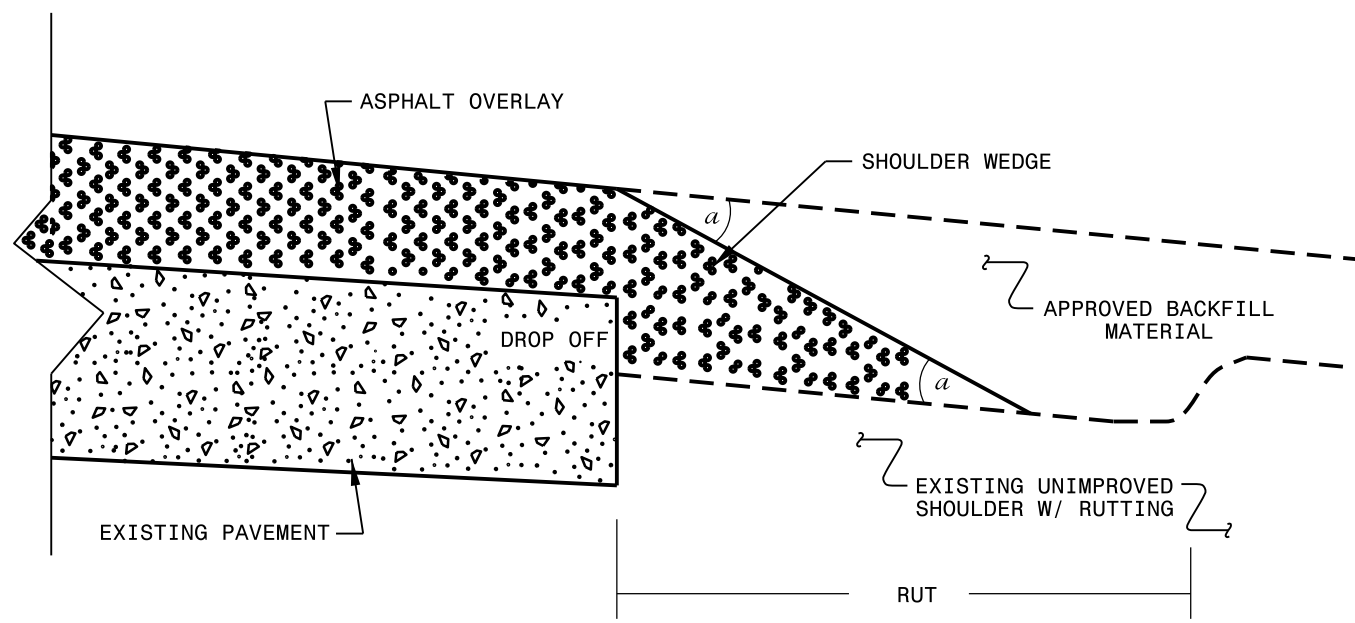
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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
 s:\usr\details\stand\shoulderwedgedetail.dgn
 2021CPT.03.08.10312, Etc.
 09

PROJECT NO.	SHEET NO.
2021CPT.03.08.10312, 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	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1491000000-E	1519000000-E	1520000000-E	1526000000-E	1575000000-E	1775500000-E	1838000000-E		
										BORROW EXCAVATION	INCIDENTAL STONE BASE		SHOULDER RECONST.	1" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	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			
											MI	FT	CY	TON	SMI	SY	SY	TONS	TON	TONS	TON	TON	TON	SY	GAL	
2021CPT.03.08.20311	Duplin	6	SR 1004 (SUMMERLINS CROSSROADS RD.)	FROM SR 1511 TO NC 403 [MP 5.16 - MP 13.69]	5,6,7	2	2WU	NO	NO	8.53	21-25		267	200	17.06	243	700	1,100	9,594			692	105,090	42,040		
TOTAL FOR MAP NO. 6											8.53		267	200	17.06	243	700	1,100	9,594			692	105,090	42,040		
2021CPT.03.08.20311	Duplin	7	SR 1004 (RONES CHAPEL RD.)	FROM NC 403 TO WAYNE CO LINE [MP 13.73 - MP 16.20]	4	2	2WU	NO	NO	2.37	21		80	125	5.12		500		2,423		50		166			
TOTAL FOR MAP NO. 7											2.37		80	125	5.12		500		2,423		50		166			
2021CPT.03.08.20311	Duplin	9	SR 1398 (AIRPORT RD.)	FROM SR 1301 TO DEAD END [MP 0.00 - MP 0.60]	4	2	2WU	NO	NO	0.6	22		19	50	1.20				643		60		47			
TOTAL FOR MAP NO. 9											0.6		19	50	1.20				643		60		47			
TOTAL FOR PROJ NO. 2021CPT.03.08.20311											11.5		366	375	23.38	243	1,200	1,100	12,660		110		905	105,090	42,040	
																			12,660							
2021CPT.03.08.20312	Duplin	14	SR 1383 (TYNDALL ST.)	FROM NC 11 TO NC 24 BUS [MP 0.00 - MP 0.12]	8	2	2WU	NO	NO	0.12	25										97	7				
TOTAL FOR MAP NO. 14											0.12											97	7			
2021CPT.03.08.20312	Duplin	15	SR 1410 (FOX RIDGE RD.)	FROM SR 1409 TO SR 1415 [MP 0.00 - MP 0.34]	8	2	2WU	NO	NO	0.34	19										212	15				
TOTAL FOR MAP NO. 15											0.34											212	15			
2021CPT.03.08.20312	Duplin	16	SR 1409 (GROVE CREEK AVE.)	FROM NC 24/50 TO SR 1415 [MP 0.00 - MP 0.55]	8	2	2WU	NO	NO	0.55	21										408	29				
TOTAL FOR MAP NO. 16											0.55											408	29			
2021CPT.03.08.20312	Duplin	17	SR 1415 (SILVER LAKE DR. / LAKE SHORE DR.)	FROM SR 1410 TO BRIARWOOD RD. [MP 0.00 - MP 0.30]	8	2	2WU	NO	NO	0.3	19										185	13				
TOTAL FOR MAP NO. 17											0.3											185	13			
2021CPT.03.08.20312	Duplin	18	SR 1319 (NORTH DUPLIN SCHOOL RD.)	FROM NC 403 TO SR 1317 [MP 0.00 - MP 0.53]	8	2	2WU	NO	NO	0.53	21										361	25				
TOTAL FOR MAP NO. 18											0.53											361	25			
2021CPT.03.08.20312	Duplin	31	SR 1530 (WILLIE BEST RD.)	FROM WAYNE COUNTY LINE TO SR 1501 [MP 0.00 - MP 1.92]	N/A	2	2WU	NO	NO	1.92	22											10				
TOTAL FOR MAP NO. 31											1.92												10			
2021CPT.03.08.20312	Duplin	32	SR 1511 (KELLY RD.)	FROM SR 1306 TO SR 1004 [MP 0.00 - MP 2.13]	N/A	2	2WU	NO	NO	2.13	20											17				
TOTAL FOR MAP NO. 32											2.13												17			
2021CPT.03.08.20312	Duplin	33	SR 1505 (BETHEL CHRUCH RD.)	FROM SR 1501 TO SR 1004 [MP 0.00 - MP 3.90]	N/A	2	2WU	NO	NO	3.9	22											24				
TOTAL FOR MAP NO. 33											3.9												24			
2021CPT.03.08.20312	Duplin	39	SR 1305 (REVELLE/EVA JAMES RD.)	FROM NC 50 TO SR 1306 [MP 0.00 - MP 8.24]	N/A	2	2WU	NO	NO	8.24	20											35				
TOTAL FOR MAP NO. 39											8.24												35			
TOTAL FOR PROJ NO. 2021CPT.03.08.20312											18.03											1,290		1,263	175	
																				1,290						
2021CPT.03.08.10312	Duplin	46	NC 903 N	FROM NC 24 TO NC 11 [END OF MULTI-LANES]		2	2WU	NO	NO	1.09	4															
TOTAL FOR MAP NO. 46											1.09															
TOTAL FOR PROJ NO. 2021CPT.03.08.10312											1.09															
GRAND TOTAL											30.62		366	375	23.38	243	1,200	1,100	12,660	1,290	110	1,263	1,080	105,090	42,040	
																			13,950							

PROJECT NO.	SHEET NO.
2021CPT.03.08.10312, ETC.	11

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	1880000000-E		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	
									PATCHING EXISTING PAVEMENT (MILL)	PATCHING EXISTING PAVEMENT (FULL DEPTH)	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	
									TON	TON	LF	TON	TON	ACR	LBS	TON	SY	LF	LF	AC	LB	TON	EA	
2021CPT.03.08.20311	Duplin	6	SR 1004 (SUMMERLINS CROSSROADS RD.)	FROM SR 1511 TO NC 403 [MP 5.16 - MP 13.69]	5,6,7	2	2WU	NO	50	25	853	213	213	8.53	427	2.00	60	427	130	6.21	427	2.00	2	
TOTAL FOR MAP NO. 6									50	25	853	213	213	8.53	427	2.00	60	427	130	6.21	427	2.00	2	
2021CPT.03.08.20311	Duplin	7	SR 1004 (RONES CHAPEL RD.)	FROM NC 403 TO WAYNE CO LINE [MP 13.73 - MP 16.20]	4	2	2WU	NO			256	64	64	2.56	128	0.64	20	128	40	1.87	128	0.64	2	
TOTAL FOR MAP NO. 7											256	64	64	2.56	128	0.64	20	128	40	1.87	128	0.64	2	
2021CPT.03.08.20311	Duplin	9	SR 1398 (AIRPORT RD.)	FROM SR 1301 TO DEAD END [MP 0.00 - MP 0.60]	4	2	2WU	NO		50	60	15	15	0.60	30	0.15	10	30	10	0.44	30	0.15	2	
TOTAL FOR MAP NO. 9										50	60	15	15	0.60	30	0.15	10	30	10	0.44	30	0.15	2	
TOTAL FOR PROJ NO. 2021CPT.03.08.20311									50	75	1,169	292	292	11.69	585	2.79	90	585	180	8.52	585	2.79	6	
2021CPT.03.08.20312	Duplin	14	SR 1383 (TYNDALL ST.)	FROM NC 11 TO NC 24 BUS [MP 0.00 - MP 0.12]	8	2	2WU	NO																
TOTAL FOR MAP NO. 14																								
2021CPT.03.08.20312	Duplin	15	SR 1410 (FOX RIDGE RD.)	FROM SR 1409 TO SR 1415 [MP 0.00 - MP 0.34]	8	2	2WU	NO																
TOTAL FOR MAP NO. 15																								
2021CPT.03.08.20312	Duplin	16	SR 1409 (GROVE CREEK AVE.)	FROM NC 24/50 TO SR 1415 [MP 0.00 - MP 0.55]	8	2	2WU	NO																
TOTAL FOR MAP NO. 16																								
2021CPT.03.08.20312	Duplin	17	SR 1415 (SILVER LAKE DR. / LAKE SHORE DR.)	FROM SR 1410 TO BRIARWOOD RD. [MP 0.00 - MP 0.30]	8	2	2WU	NO																
TOTAL FOR MAP NO. 17																								
2021CPT.03.08.20312	Duplin	18	SR 1319 (NORTH DUPLIN SCHOOL RD.)	FROM NC 403 TO SR 1317 [MP 0.00 - MP 0.53]	8	2	2WU	NO																
TOTAL FOR MAP NO. 18																								
2021CPT.03.08.20312	Duplin	31	SR 1530 (WILLIE BEST RD.)	FROM WAYNE COUNTY LINE TO SR 1501 [MP 0.00 - MP 1.92]	N/A	2	2WU	NO																
TOTAL FOR MAP NO. 31																								
2021CPT.03.08.20312	Duplin	32	SR 1511 (KELLY RD.)	FROM SR 1306 TO SR 1004 [MP 0.00 - MP 2.13]	N/A	2	2WU	NO																
TOTAL FOR MAP NO. 32																								
2021CPT.03.08.20312	Duplin	33	SR 1505 (BETHEL CHRUCH RD.)	FROM SR 1501 TO SR 1004 [MP 0.00 - MP 3.90]	N/A	2	2WU	NO																
TOTAL FOR MAP NO. 33																								
2021CPT.03.08.20312	Duplin	39	SR 1305 (REVELLE/EVA JAMES RD.)	FROM NC 50 TO SR 1306 [MP 0.00 - MP 8.24]	N/A	2	2WU	NO																
TOTAL FOR MAP NO. 39																								
TOTAL FOR PROJ NO. 2021CPT.03.08.20312																								
2021CPT.03.08.10312	Duplin	46	NC 903 N	FROM NC 24 TO NC 11 [END OF MULTI-LANES]		2	2WU	NO	118															
TOTAL FOR MAP NO. 46									118															
TOTAL FOR PROJ NO. 2021CPT.03.08.10312									118															
GRAND TOTAL									168	75	1,169	292	292	11.69	585	2.79	90	585	180	8.52	585	2.79	6	

PROJECT NO.	SHEET NO.
2021CPT.03.08.10312, ETC.	12

THERMOPLASTIC AND PAINT QUANTITIES

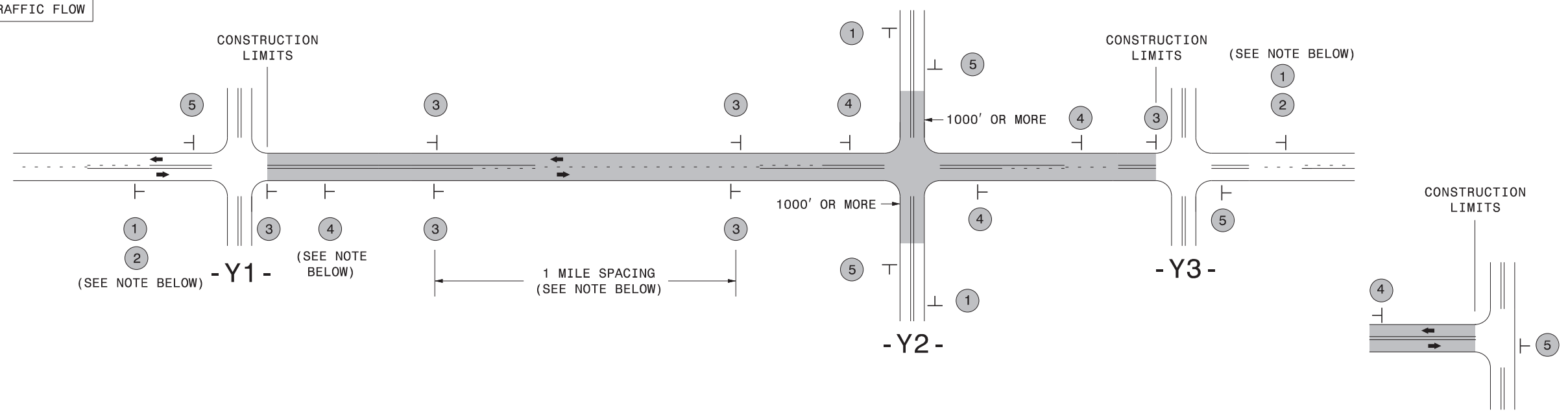
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	4413000000-E		4457000000-N	4810000000-E		4835000000-E	4900000000-N	
								WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" WHITE PAINT	4" YELLOW PAINT	24" WHITE PAINT	YELLOW & YELLOW MARKERS		
								MI	FT	SF	LS	LF	LF	LF	EA
2021CPT.03.08.20311	Duplin	6	SR 1004 (SUMMERLINS CROSSROADS RD.)	FROM SR 1511 TO NC 403 [MP 5.16 - MP 13.69]	5,6,7	2	2WU	8.53	21-25	960	*	183,566	112,596	75	563
TOTAL FOR MAP NO. 6								8.53		960		183,566	112,596	75	563
2021CPT.03.08.20311	Duplin	7	SR 1004 (RONES CHAPEL RD.)	FROM NC 403 TO WAYNE CO LINE [MP 13.73 - MP 16.20]	4	2	2WU	2.37	21	288		55,091	33,792	20	169
TOTAL FOR MAP NO. 7								2.37		288		55,091	33,792	20	169
2021CPT.03.08.20311	Duplin	9	SR 1398 (AIRPORT RD.)	FROM SR 1301 TO DEAD END [MP 0.00 - MP 0.60]	4	2	2WU	0.6	22		12,912	7,920		40	
TOTAL FOR MAP NO. 9								0.6			12,912	7,920		40	
TOTAL FOR PROJ NO. 2021CPT.03.08.20311								11.5		1,248	*	251,569	154,308	95	772
											405,877				
2021CPT.03.08.20312	Duplin	14	SR 1383 (TYNDALL ST.)	FROM NC 11 TO NC 24 BUS [MP 0.00 - MP 0.12]	8	2	2WU	0.12	25		*				
TOTAL FOR MAP NO. 14								0.12							
2021CPT.03.08.20312	Duplin	15	SR 1410 (FOX RIDGE RD.)	FROM SR 1409 TO SR 1415 [MP 0.00 - MP 0.34]	8	2	2WU	0.34	19						
TOTAL FOR MAP NO. 15								0.34							
2021CPT.03.08.20312	Duplin	16	SR 1409 (GROVE CREEK AVE.)	FROM NC 24/50 TO SR 1415 [MP 0.00 - MP 0.55]	8	2	2WU	0.55	21						
TOTAL FOR MAP NO. 16								0.55							
2021CPT.03.08.20312	Duplin	17	SR 1415 (SILVER LAKE DR. / LAKE SHORE DR.)	FROM SR 1410 TO BRIARWOOD RD. [MP 0.00 - MP 0.30]	8	2	2WU	0.3	19						
TOTAL FOR MAP NO. 17								0.3							
2021CPT.03.08.20312	Duplin	18	SR 1319 (NORTH DUPLIN SCHOOL RD.)	FROM NC 403 TO SR 1317 [MP 0.00 - MP 0.53]	8	2	2WU	0.53	21						
TOTAL FOR MAP NO. 18								0.53							
2021CPT.03.08.20312	Duplin	31	SR 1530 (WILLIE BEST RD.)	FROM WAYNE COUNTY LINE TO SR 1501 [MP 0.00 - MP 1.92]	N/A	2	2WU	1.92	22						
TOTAL FOR MAP NO. 31								1.92							
2021CPT.03.08.20312	Duplin	32	SR 1511 (KELLY RD.)	FROM SR 1306 TO SR 1004 [MP 0.00 - MP 2.13]	N/A	2	2WU	2.13	20						
TOTAL FOR MAP NO. 32								2.13							
2021CPT.03.08.20312	Duplin	33	SR 1505 (BETHEL CHRUCH RD.)	FROM SR 1501 TO SR 1004 [MP 0.00 - MP 3.90]	N/A	2	2WU	3.9	22						
TOTAL FOR MAP NO. 33								3.9							
2021CPT.03.08.20312	Duplin	39	SR 1305 (REVELLE/EVA JAMES RD.)	FROM NC 50 TO SR 1306 [MP 0.00 - MP 8.24]	N/A	2	2WU	8.24	20						
TOTAL FOR MAP NO. 39								8.24							
TOTAL FOR PROJ NO. 2021CPT.03.08.20312								18.03			*				
2021CPT.03.08.10312	Duplin	46	NC 903 N	FROM NC 24 TO NC 11 [END OF MULTI-LANES]	N/A	2	2WU	1.09	4		*				
TOTAL FOR MAP NO. 46								1.09			*				
TOTAL FOR PROJ NO. 2021CPT.03.08.10312								1.09							
GRAND TOTAL								30.62		1,248	1	251,569	154,308	95	772
											405,877				

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

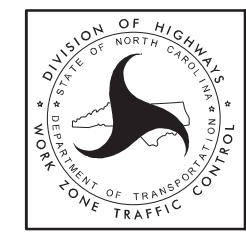
-Y- LINE SIGNING

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; align-items: center;"> <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	 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	 LOW/SOFT SHOULDER 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	 ROAD UNDER CONST 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.



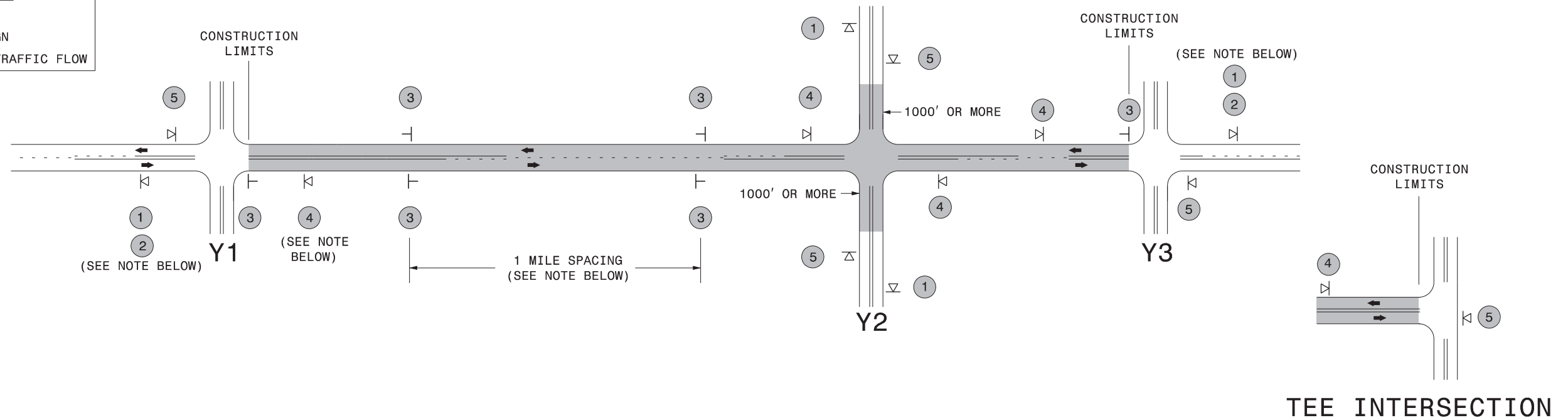
**ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2-LANE ROADWAY
RESURFACING**

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

SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

- ◻ PORTABLE SIGN
- ┆ STATIONARY SIGN
- ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

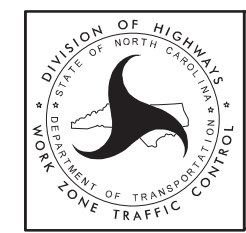
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 W20-1 48" X 48"	<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. 	<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; align-items: center;"> <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	 W7-3qP 24" X 18"	<ul style="list-style-type: none"> - 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. 	
	3	 W8-7 48" X 48"	<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. 	
		 SP 48" X 48"	<ul style="list-style-type: none"> - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 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. 	
5	 G20-2 A 48" X 24"	<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**

5/12/2017 S:\TUXWZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln - AST.dgn User:kedais

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

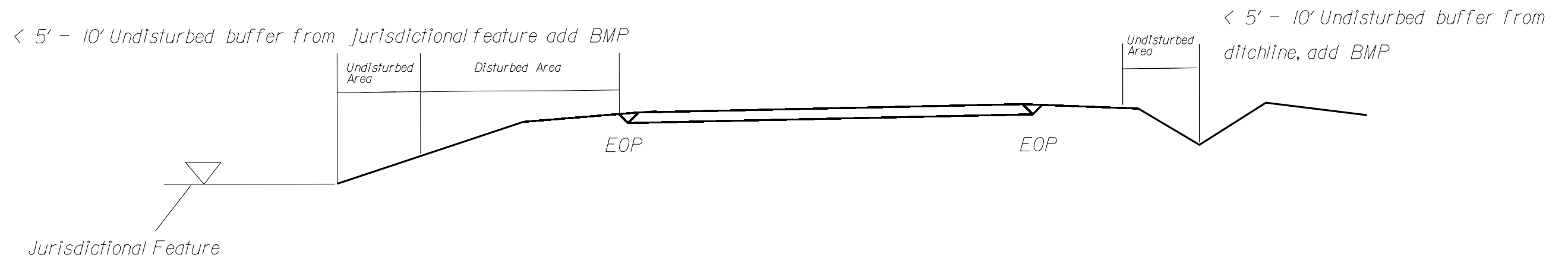
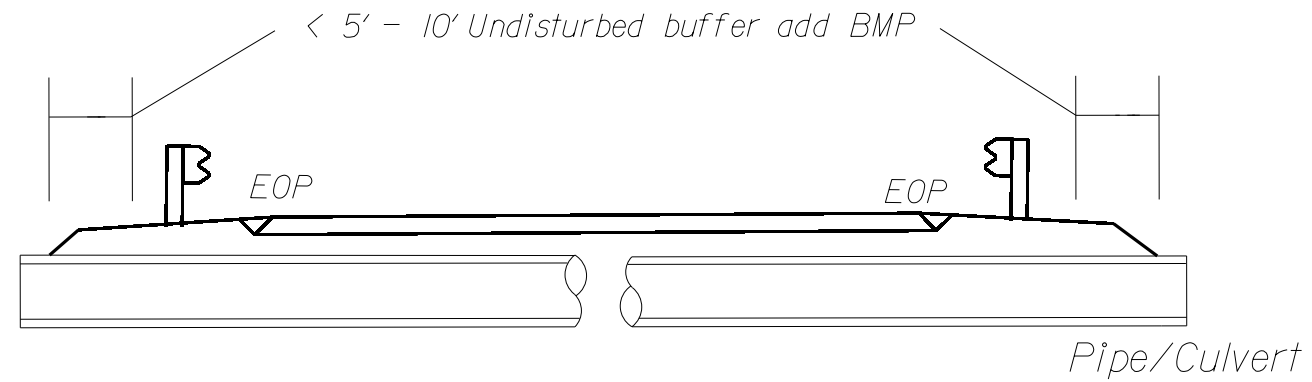
SOIL STABILIZATION TIMEFRAMES

<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.

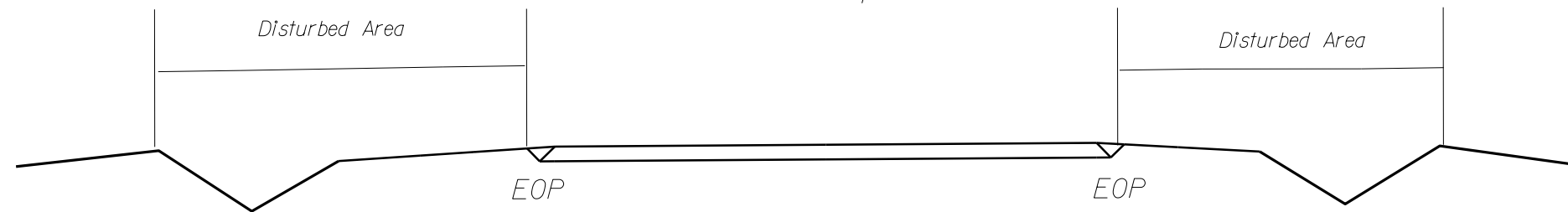
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

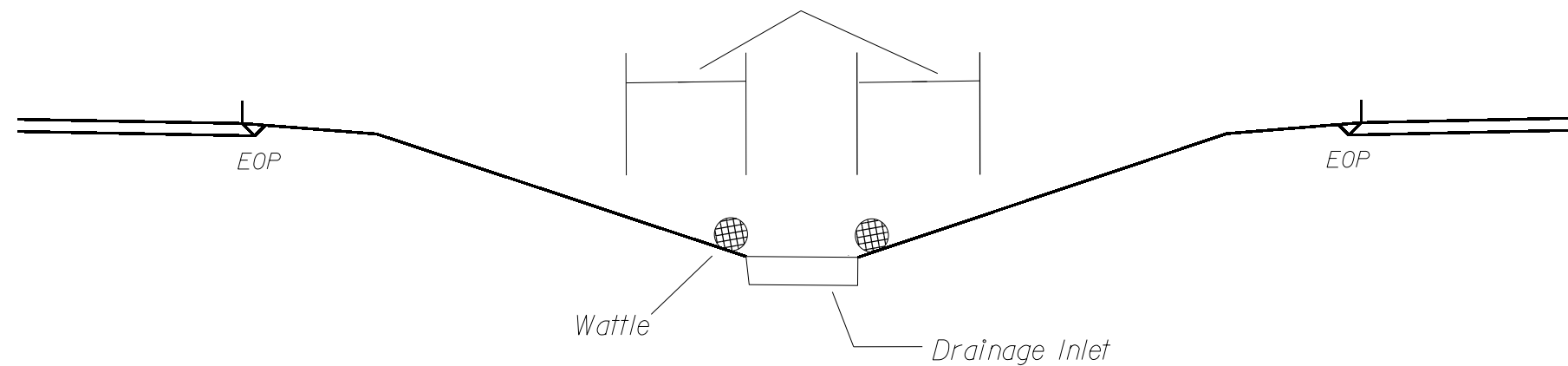
EROSION CONTROL DETAIL



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

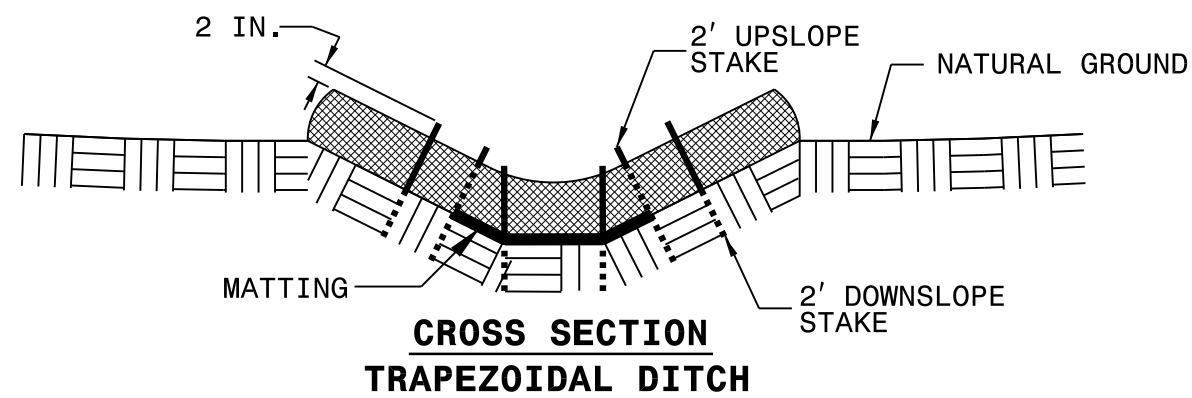
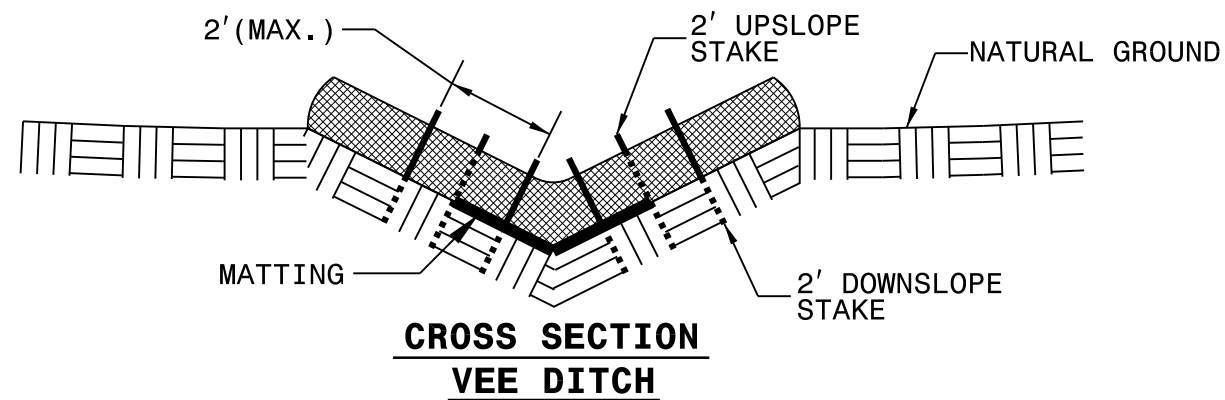
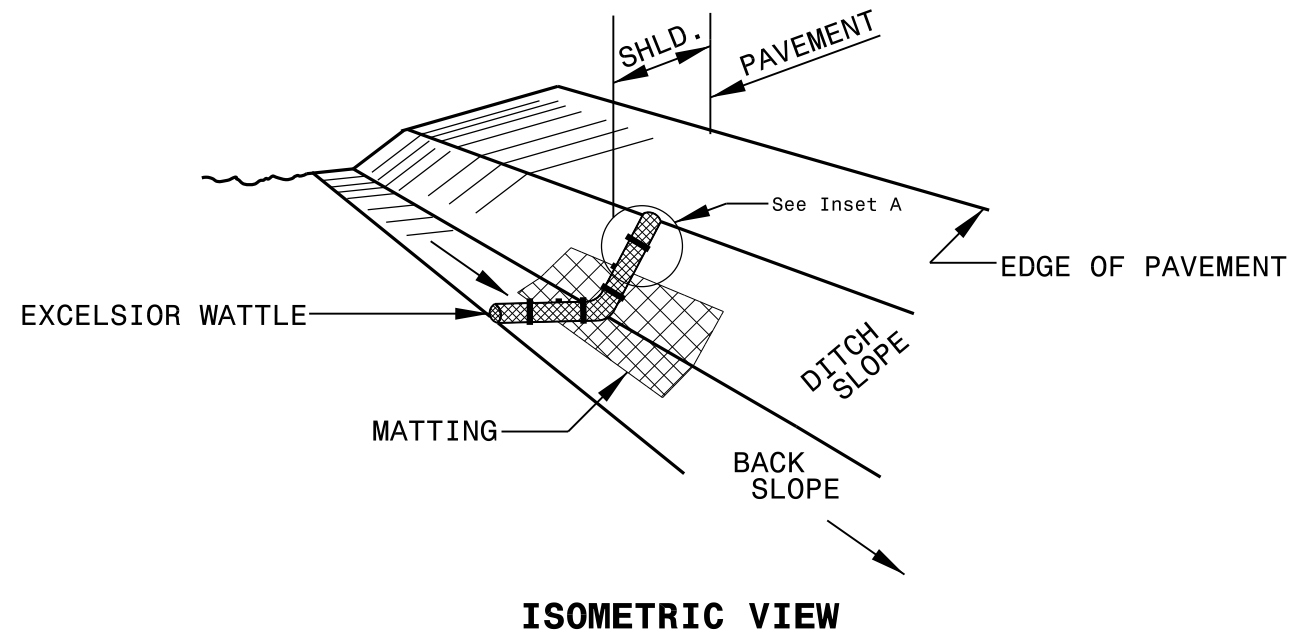


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

