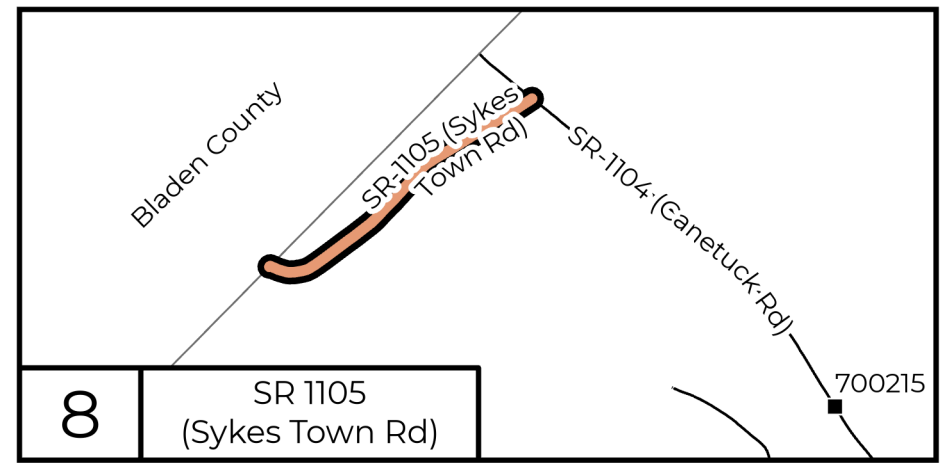
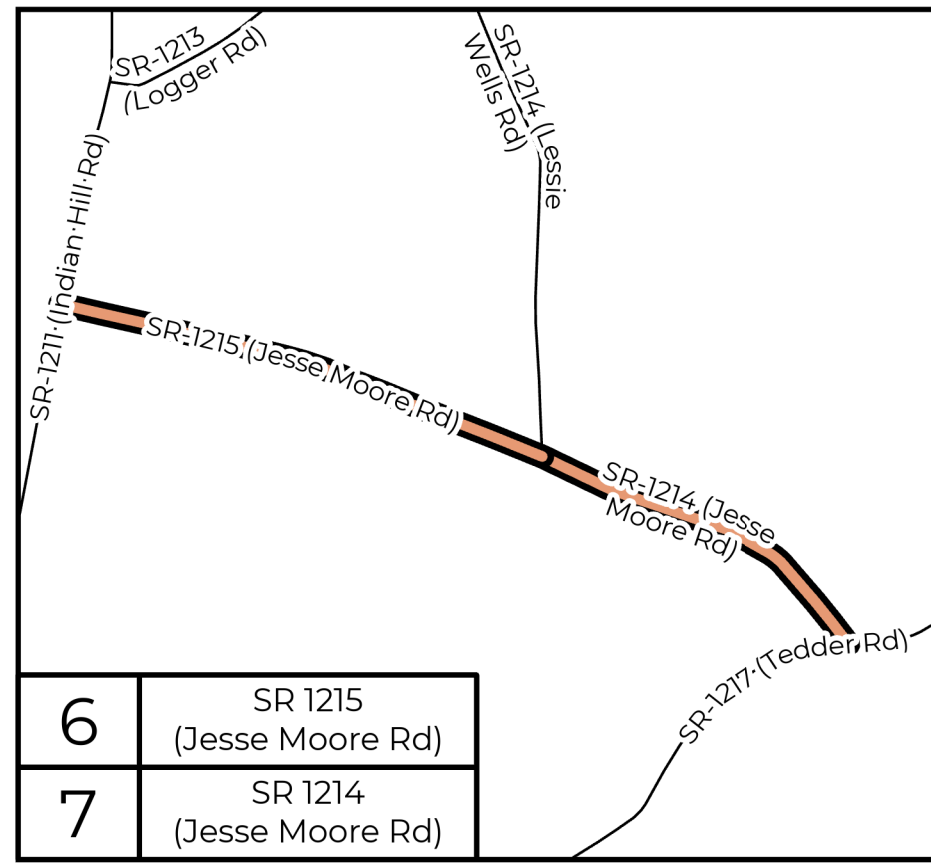
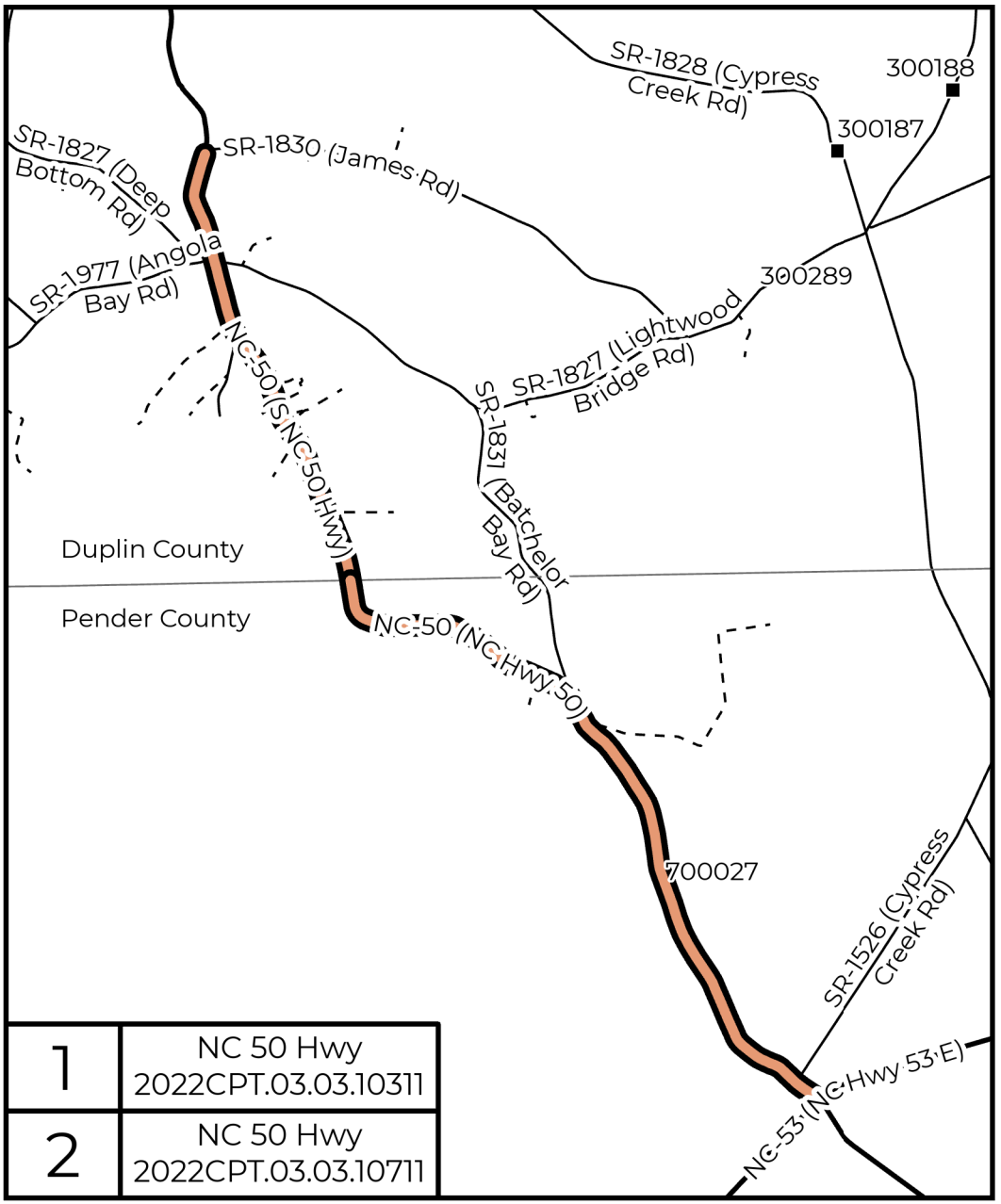
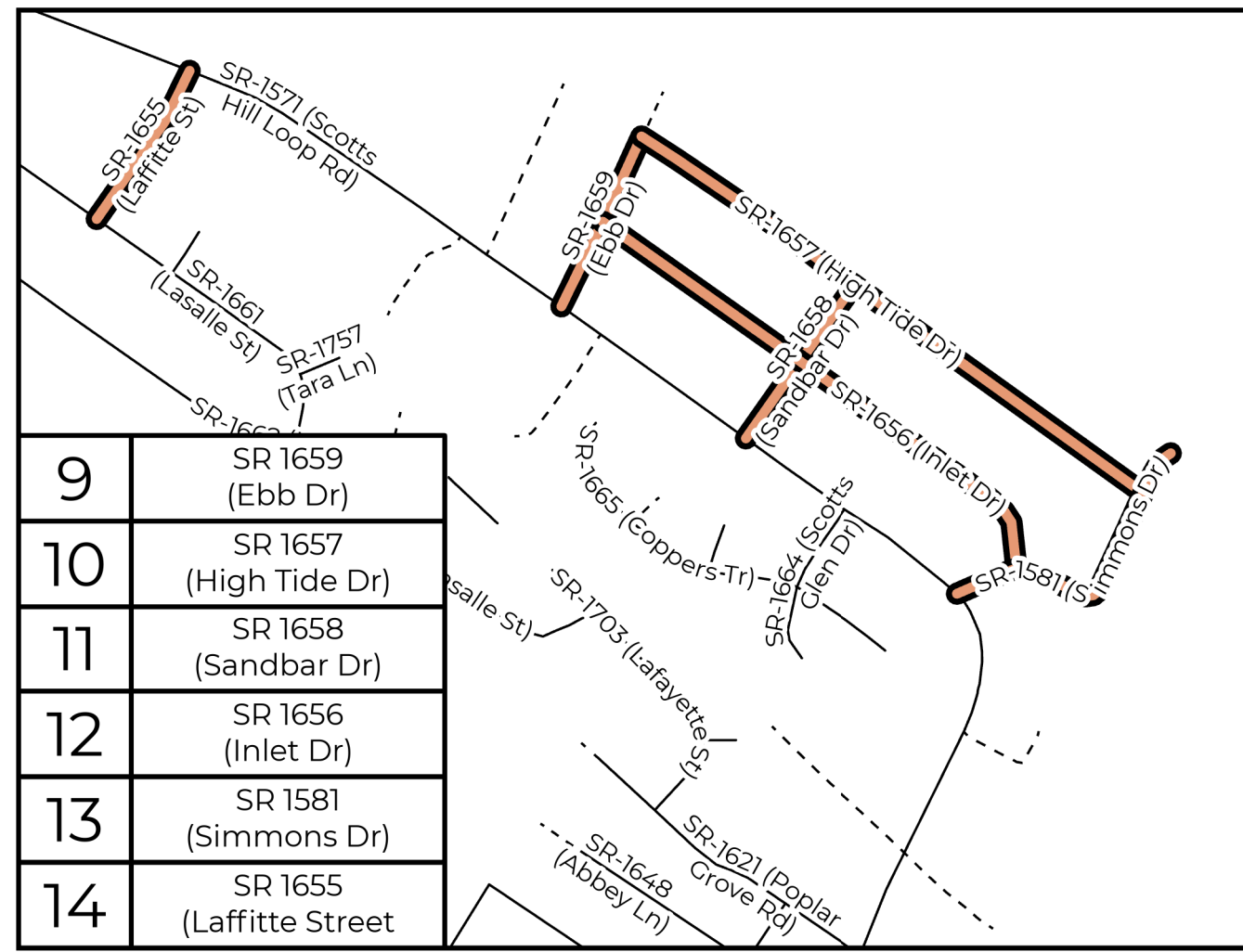
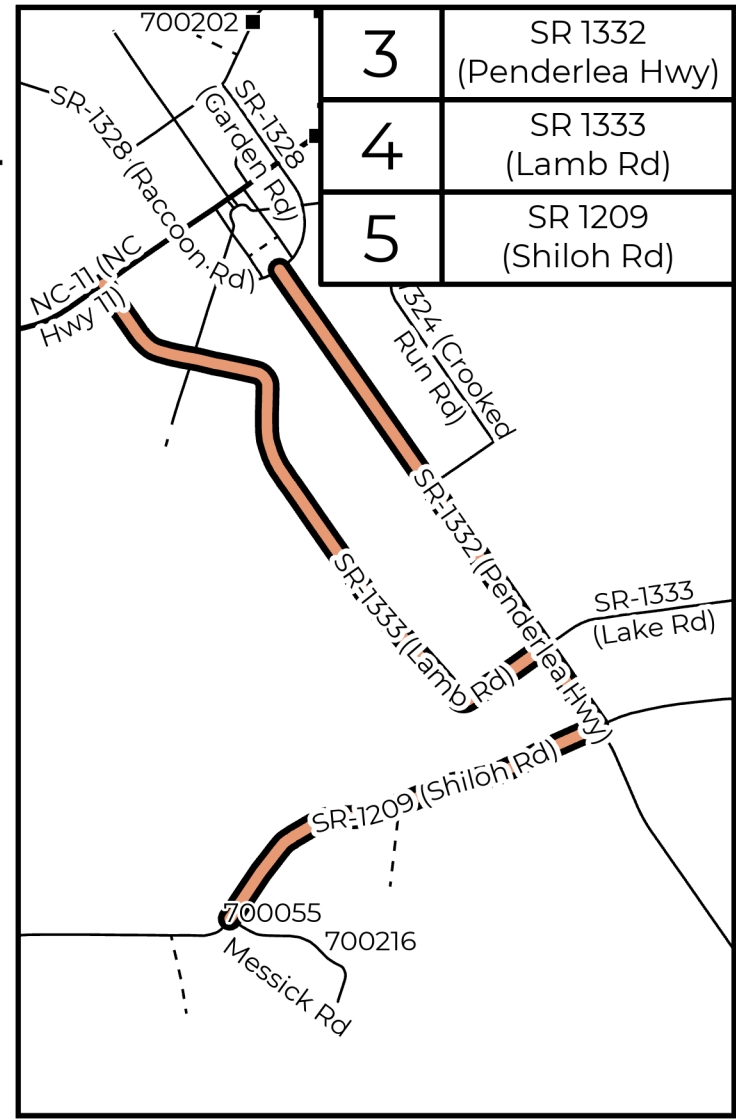
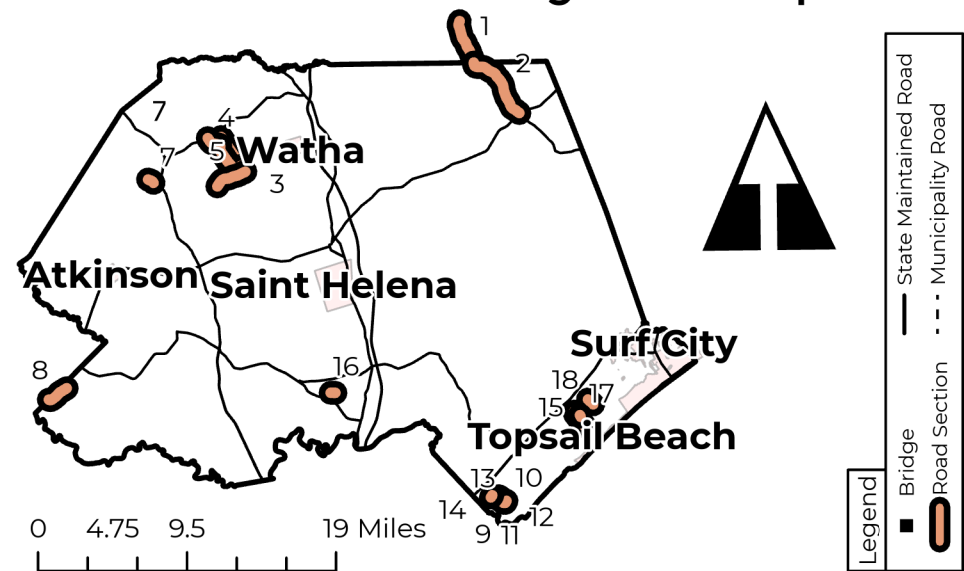


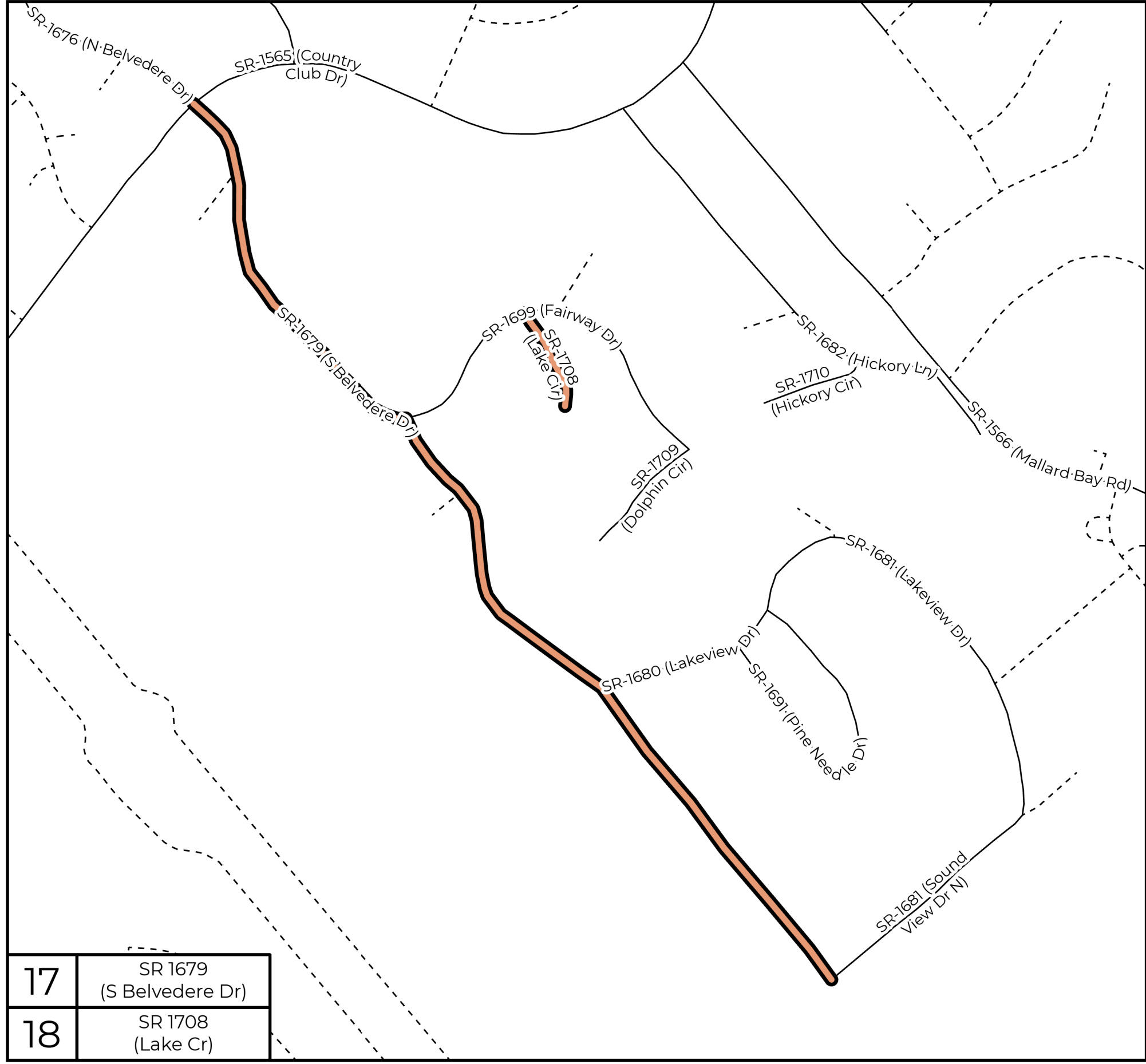
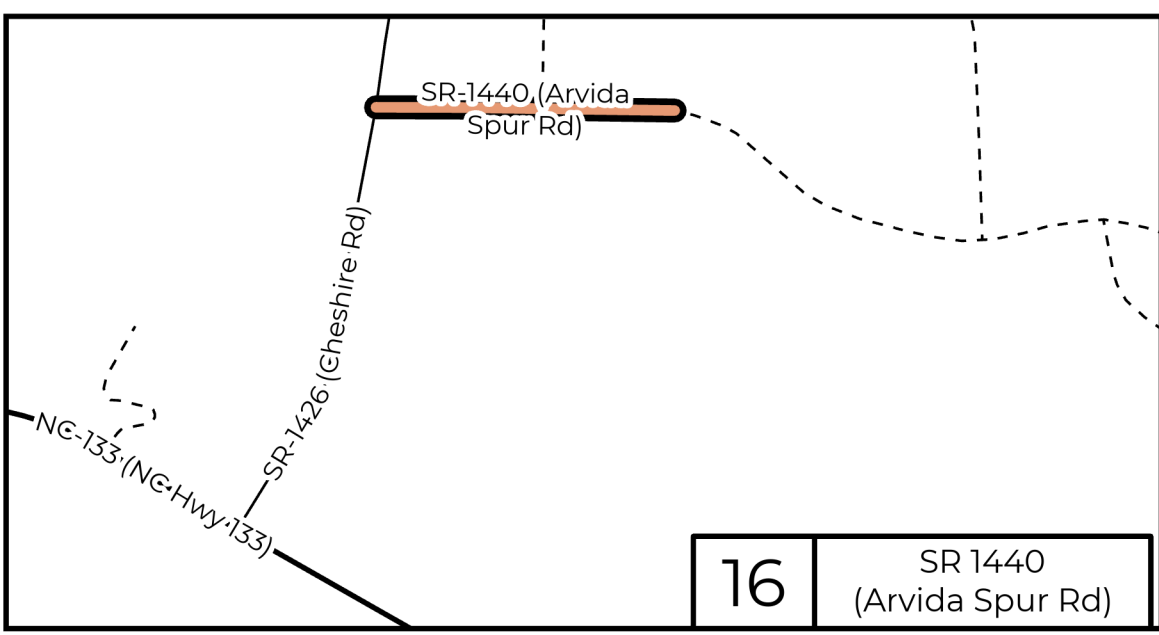
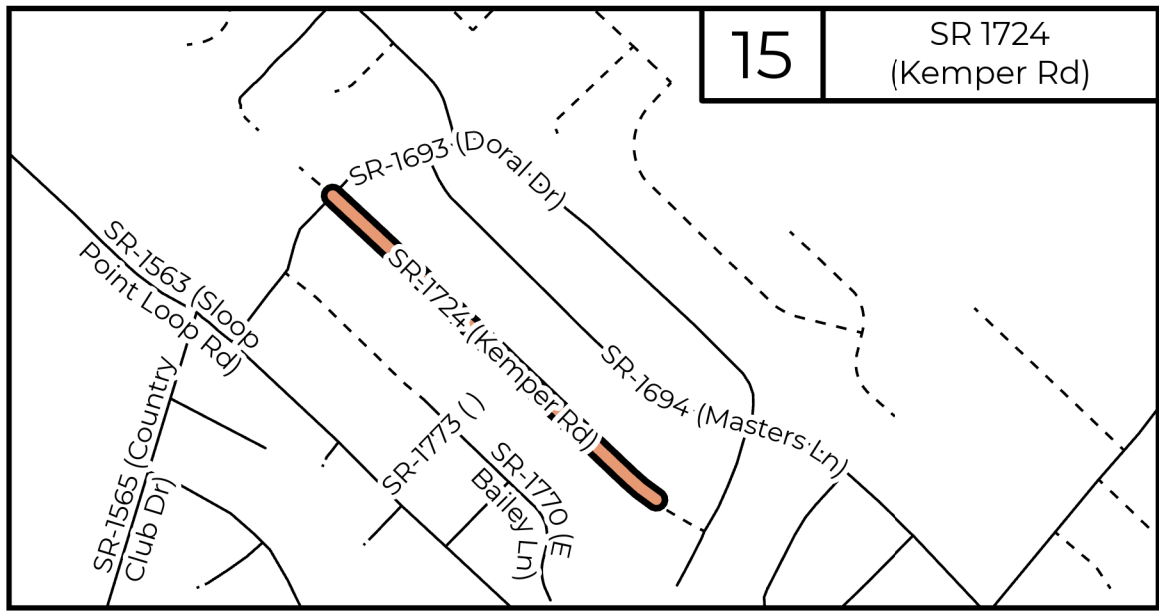
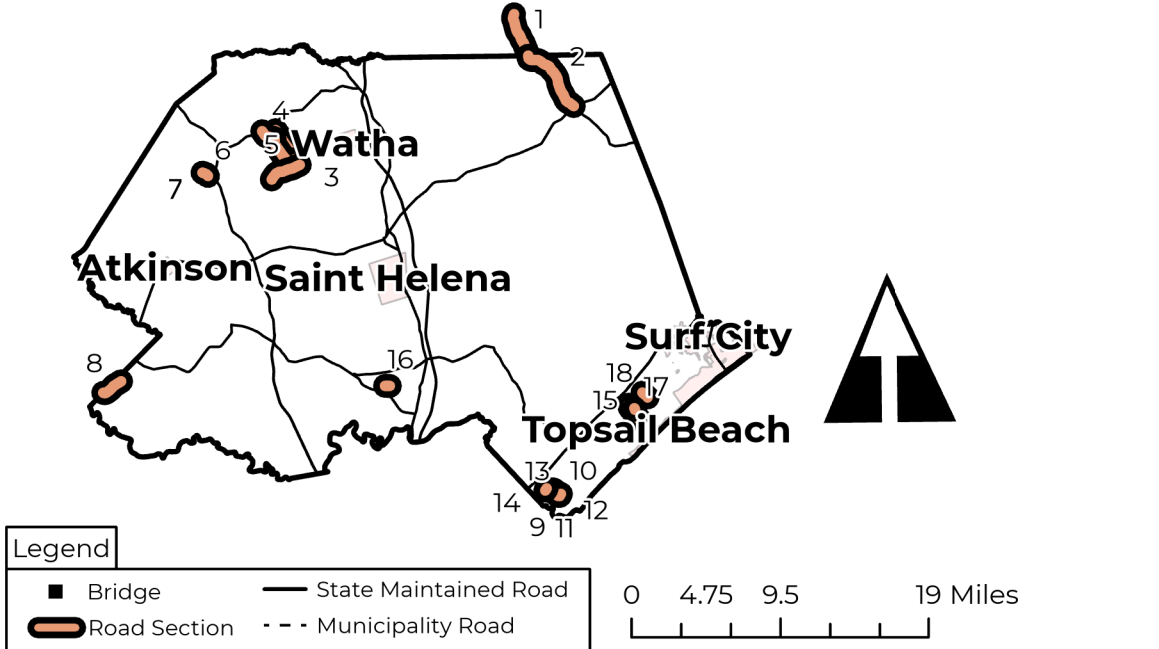
Duplin County - Map 1

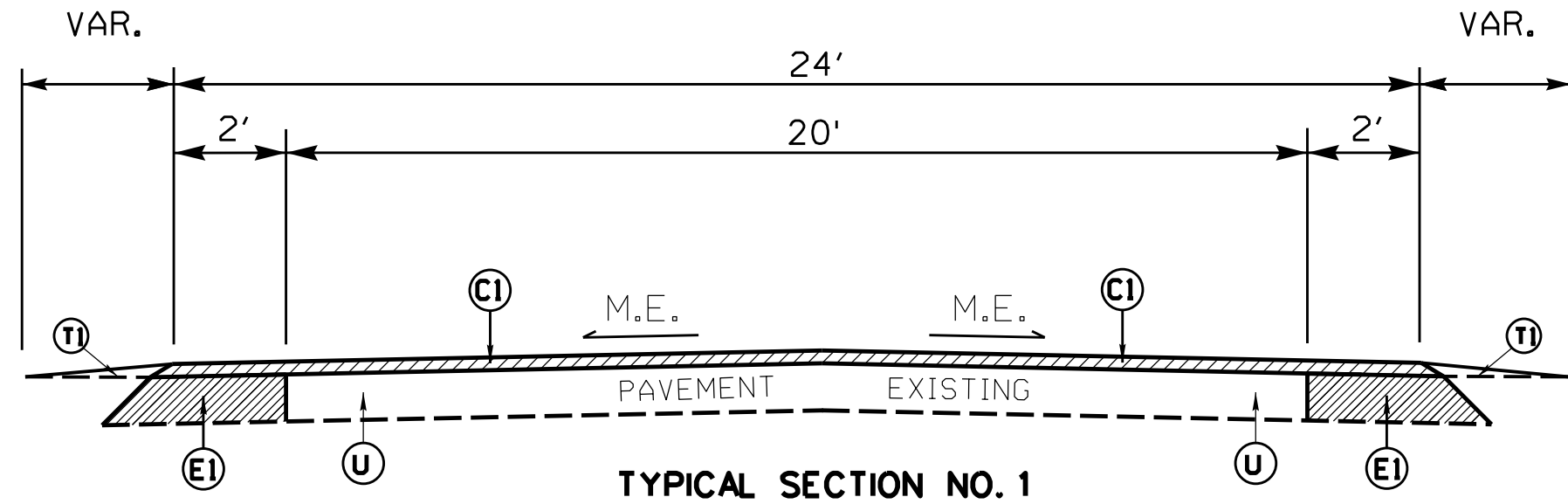
Pender County - Map 2 - 14



Pender County 15 - 18

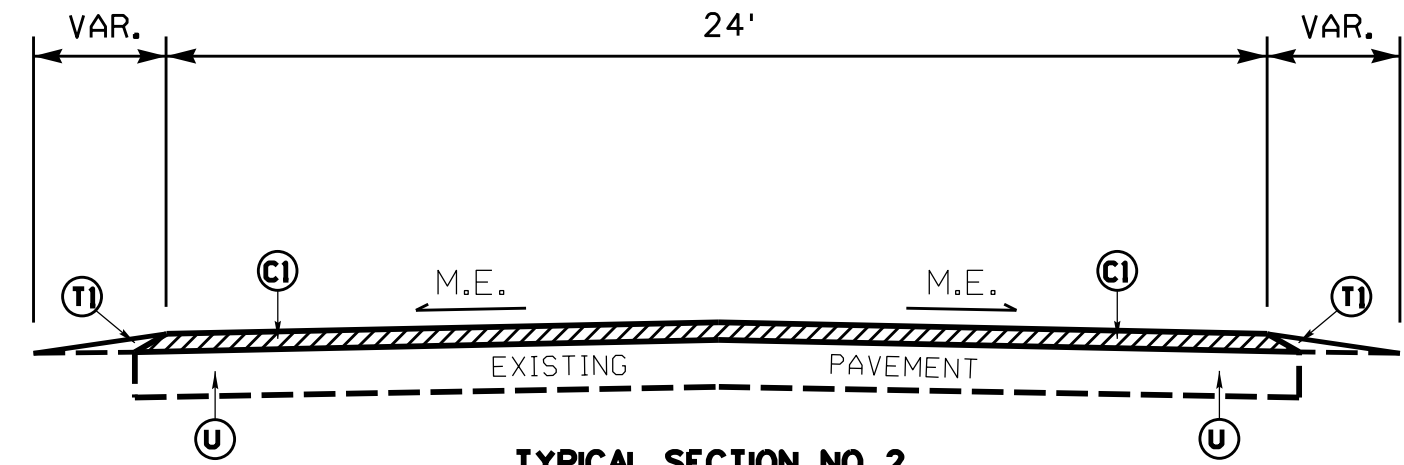
PROJECT REFERENCE NO.	SHEET NO.
2022CPT.03.03.10711, ETC.	2





TYPICAL SECTION NO. 1

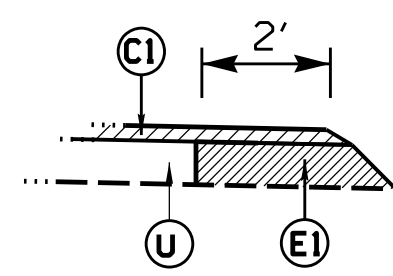
MAP NO. 1
 NC 50 HWY. (DUPLIN CO.)
 MP 0.00 - MP 2.86



TYPICAL SECTION NO. 2

MAP NO. 2
 NC 50 HWY. (PENDER CO.)
 MP 31.31 - MP 35.99

(V1) FRIS MILL 1-1/2"
 MP 31.31 - MP 31.78
 MP 32.61 - MP 33.29



NOTE: STATE FORCES WILL MARK SPIRAL WIDENING LOCATIONS

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1 1/2" 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 S4.75A, AT AN AVERAGE RATE OF 110.0 LBS. PER SQ.YD.
C4	PROP. APPROX. 3/4" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 82.5 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH
V2	MILLING ASPHALT PAVEMENT, 3/4" DEPTH

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

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

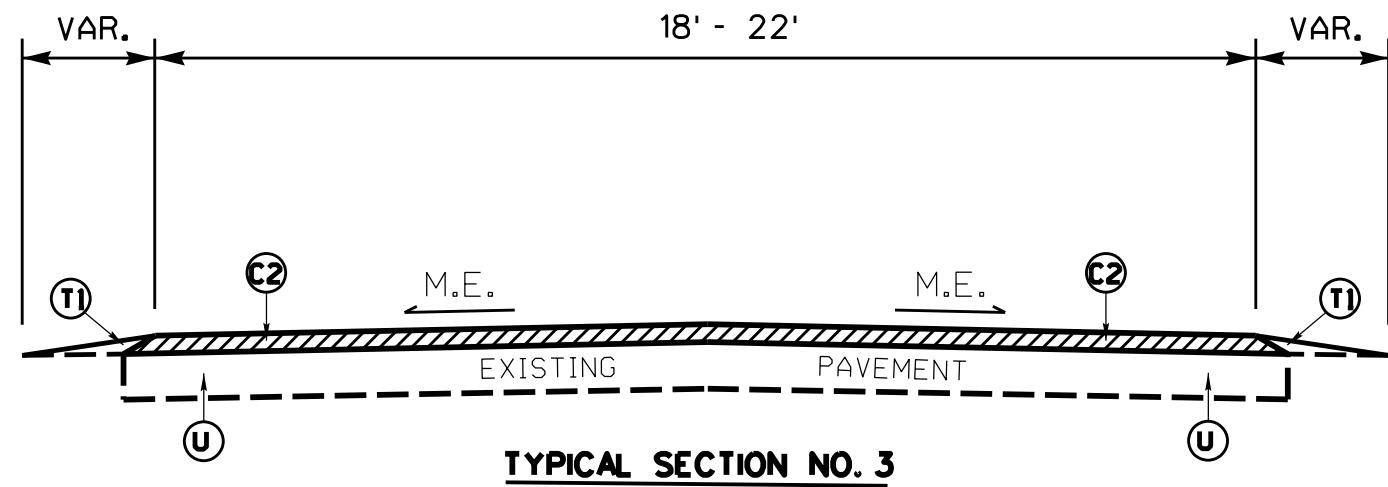
SHOULDER WORK ON MAP NO. 2 AS NEEDED, TO BE DETERMINED BY ENGINEER.

MAP 2 - NC 50 HWY. SPIRAL WIDENING LOCATIONS

	MILEPOST			WIDTH (FT)	SYD	MIX TYPE (TONS)	
	START	END	LENGTH (LF)			B 25.0	S 9.5C
RT	31.81	32.1	1581	2	351.33	100	30
RT	32.73	32.81	472	2	104.89	30	9
RT	33.13	33.26	736	2	163.56	47	14
RT	34.18	34.26	472	2	104.89	30	9
RT	34.84	34.98	789	2	175.33	50	15
RT	35.69	35.81	684	2	152	43	13
RT	35.89	36.03	789	2	175.33	50	15
LT	31.67	31.74	420	2	93.33	27	8
LT	33.32	33.39	420	2	93.33	27	8
LT	33.52	33.59	420	2	93.33	27	8
LT	33.97	34.08	631	2	140.22	40	12
LT	35.22	35.36	790	2	175.56	50	15
TOTALS:			8204		1823.1	521	156

REVISIONS

SYSTEMS DESIGN



TYPICAL SECTION NO. 3

MAP NO. 3 SR 1332 (PENDERLEA HWY.) MP 7.25 - MP 9.95	MAP NO. 4 SR 1333 (LAMB RD.) MP 0.00 - MP 3.30	MAP NO. 5 SR 1209 (SHILOH RD.) MP 9.98 - MP 11.98
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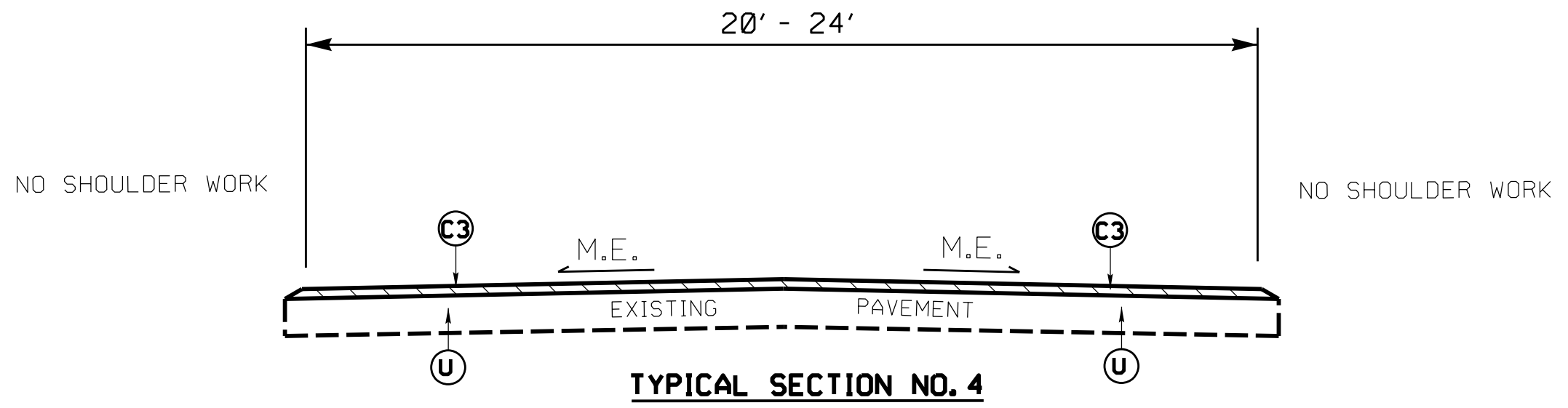
Ⓥ1 FRIS MILL 1-1/2"
MP 9.65 - MP 9.95

PAVEMENT SCHEDULE	
C2	1 1/2" S9.5B
C3	1" S4.75A
T1	SHOULDER RECONST.
U	EXISTING PAVEMENT
V1	MILLING 1 1/2" DEPTH

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

SHOULDER WORK ON MAP NO. 3 - 5 AS NEEDED, TO BE DETERMINED BY ENGINEER.

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



TYPICAL SECTION NO. 4

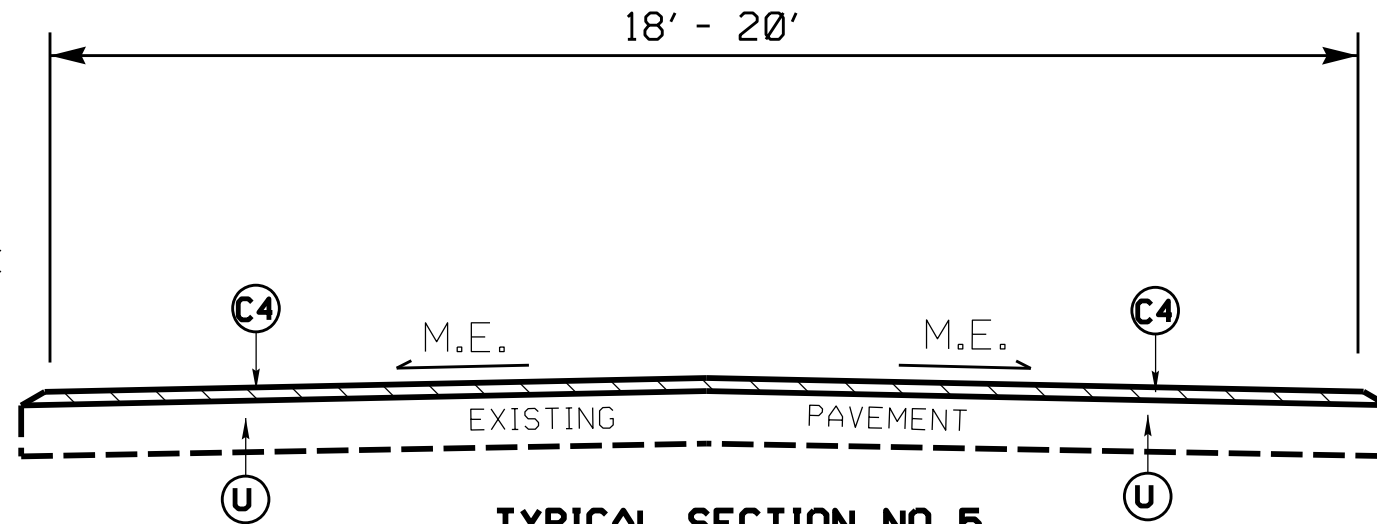
MAP NO. 17 SR 1679 (S. BELVEDERE DR.) MP 0.01 - MP 1.23	MAP NO. 18 SR 1708 (LAKE CIR.) MP 0.00 - MP 0.11
---	--

REVISIONS

8/17/99

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DESIGN\$\$\$\$\$
\$\$\$\$\$NAME\$\$\$\$\$

PAVEMENT SCHEDULE	
C4	¾" S4.75A
U	EXISTING PAVEMENT
V2	MILLING ¾" DEPTH



TYPICAL SECTION NO. 5

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

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

REVISIONS

8/17/99

MAP NO. 6
SR 1215 (JESSE MOORE RD.)
MP 0.01 - MP 0.58

MAP NO. 7
SR 1214 (JESSE MOORE RD.)
MP 0.70 - MP 1.11

MAP NO. 8
SR 1105 (SYKES TOWN RD.)
MP 0.04 - MP 1.40

MAP NO. 9
SR 1659 (EBB DR.)
MP 0.00 - MP 0.18

MAP NO. 10
SR 1657 (HIGH TIDE DR.)
MP 0.00 - MP 0.57

(V2) FRIS MILL ¾"
MP 0.04 - MP 1.40

MAP NO. 11
SR 1658 (SANDBAR DR.)
MP 0.00 - MP 0.17

MAP NO. 12
SR 1656 (INLET DR.)
MP 0.00 - MP 0.50

MAP NO. 13
SR 1581 (SIMMONS DR.)
MP 0.00 - MP 0.28

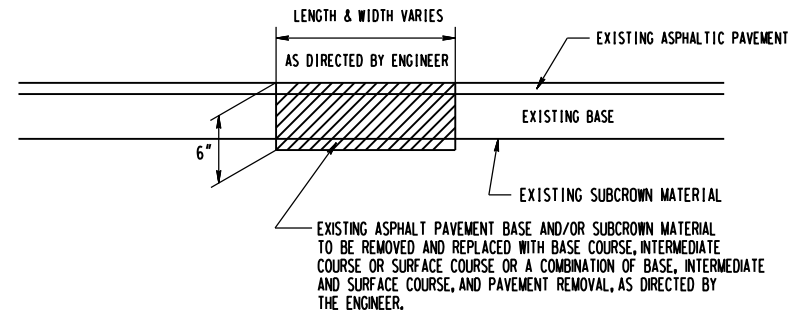
MAP NO. 14
SR 1655 (LAFFITTE ST.)
MP 0.01 - MP 0.15

MAP NO. 15
SR 1724 (KEMPER RD.)
MP 0.00 - MP 0.45

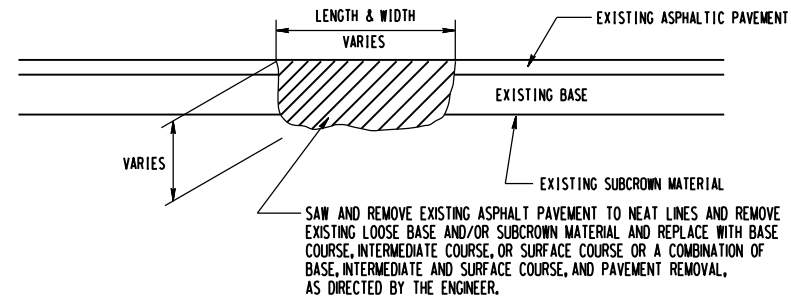
MAP NO. 16
SR 1440 (ARVIDA SPUR RD.)
MP 0.00 - MP 0.30

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$SIGN\$\$\$\$\$
\$\$\$\$\$NAME\$\$\$\$\$

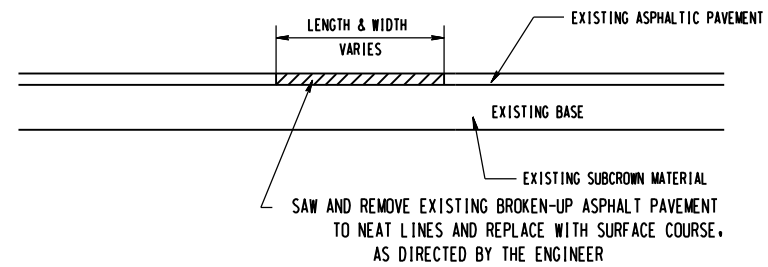
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



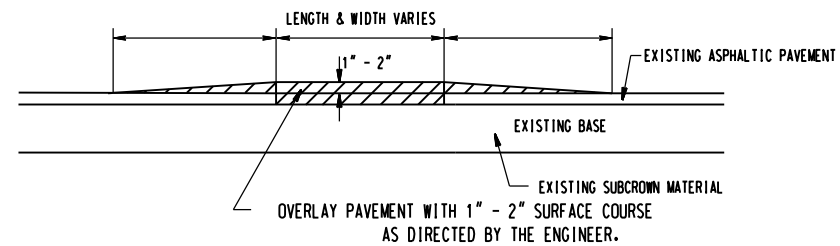
DETAIL NO. 1



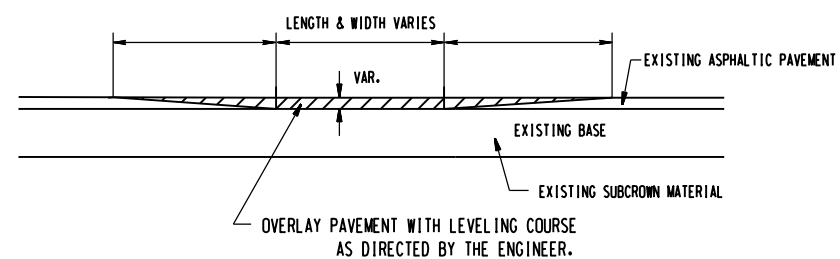
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

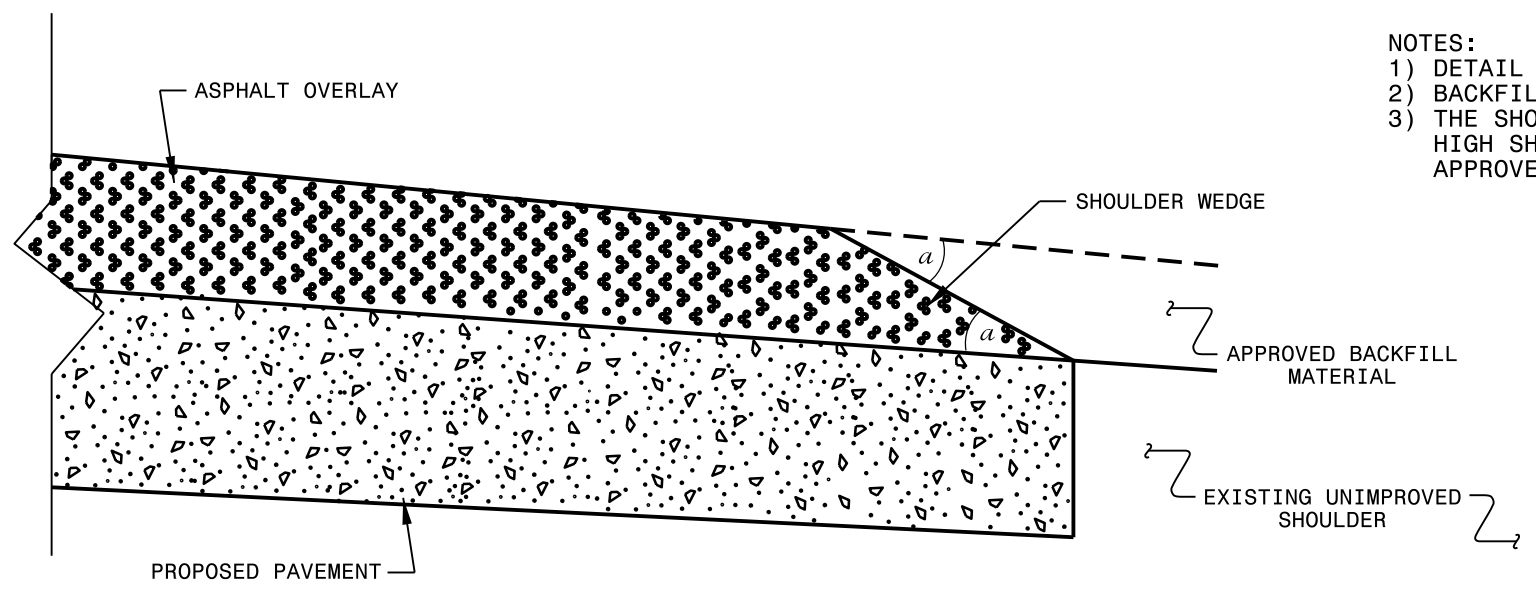


DETAIL NO. 5

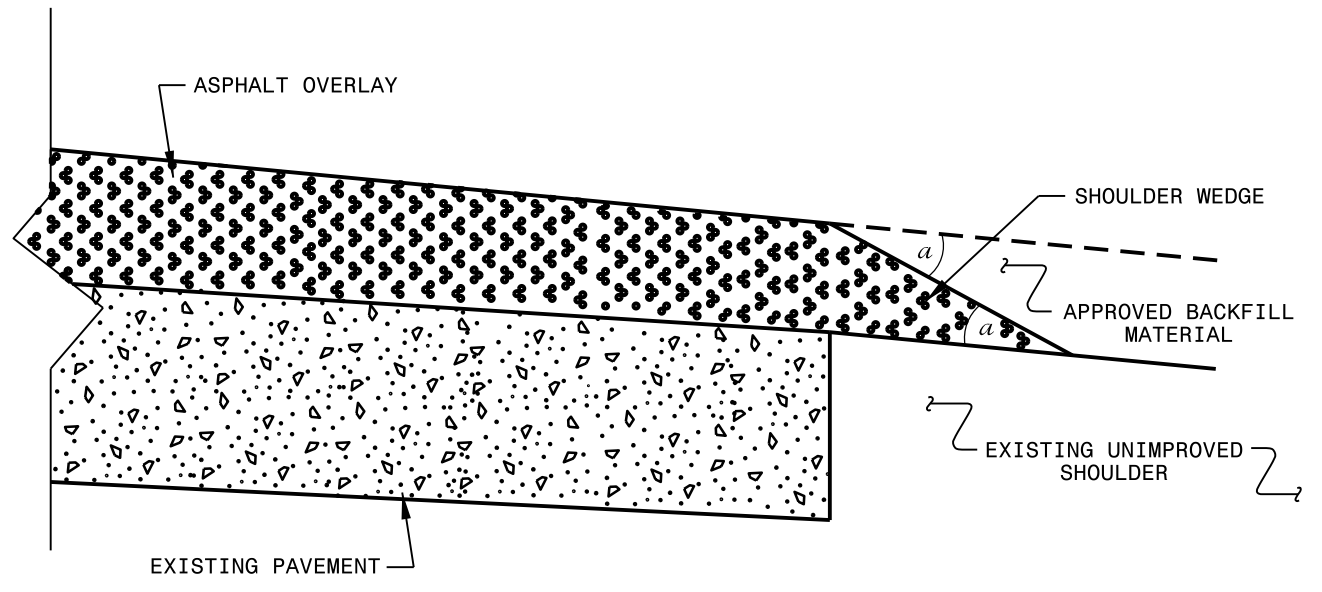
REVISIONS

20-APP-2015-1156
 C:\Users\jmkim\OneDrive\Desktop\DETAIL_PSHS\Microsoft\20711173_Patch.dgn
 \$\$\$SUNRISE\$\$\$

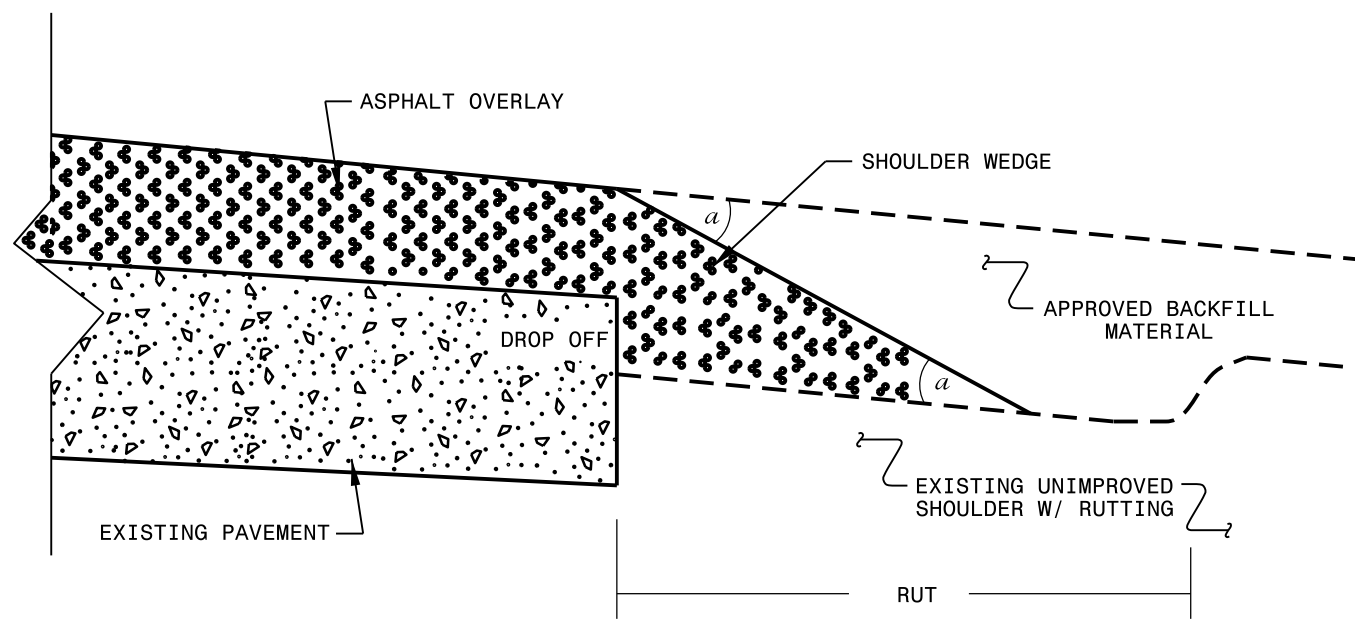
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 2/2/16		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

27 JUN 2018 13:22 s:\projects\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn
 P:\porter_41_CSD_2018_05_25

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

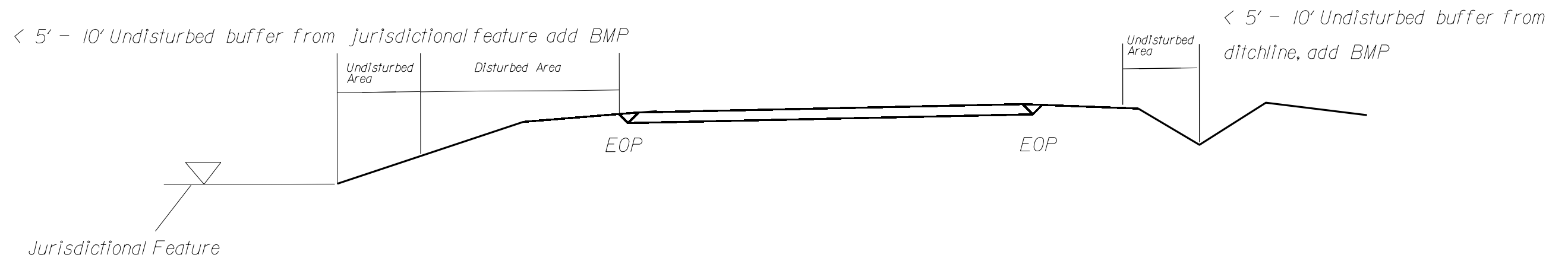
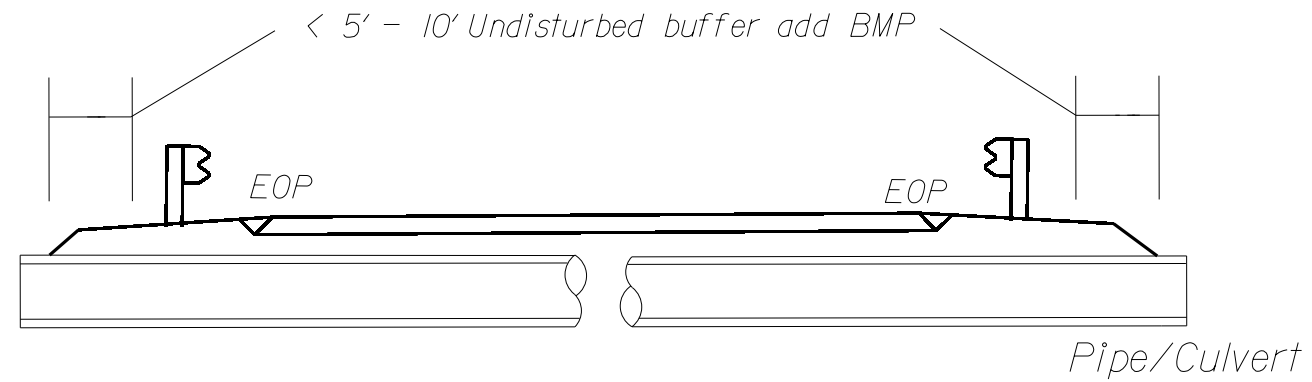
SOIL STABILIZATION TIMEFRAMES

<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

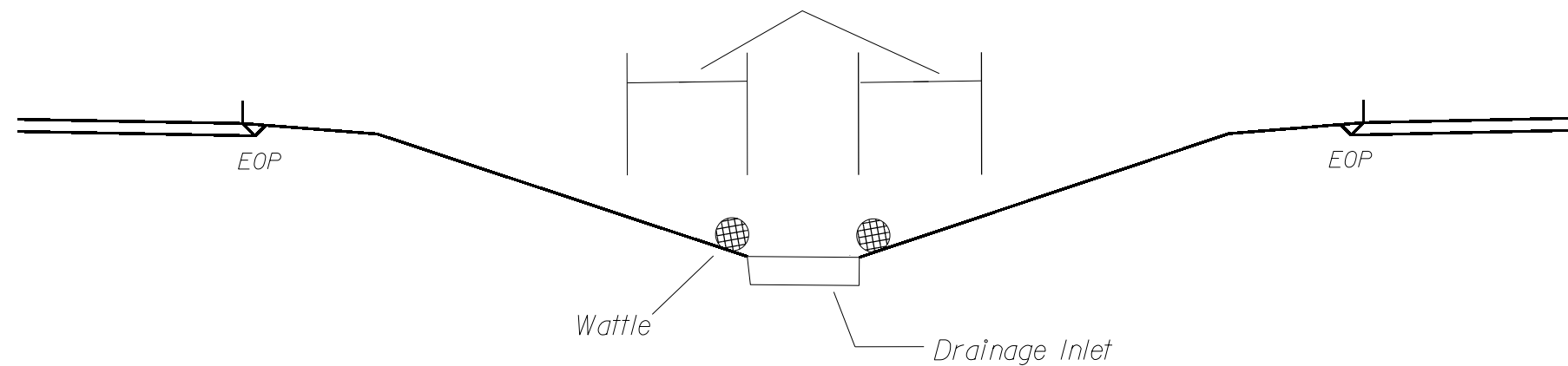
EROSION CONTROL DETAIL



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

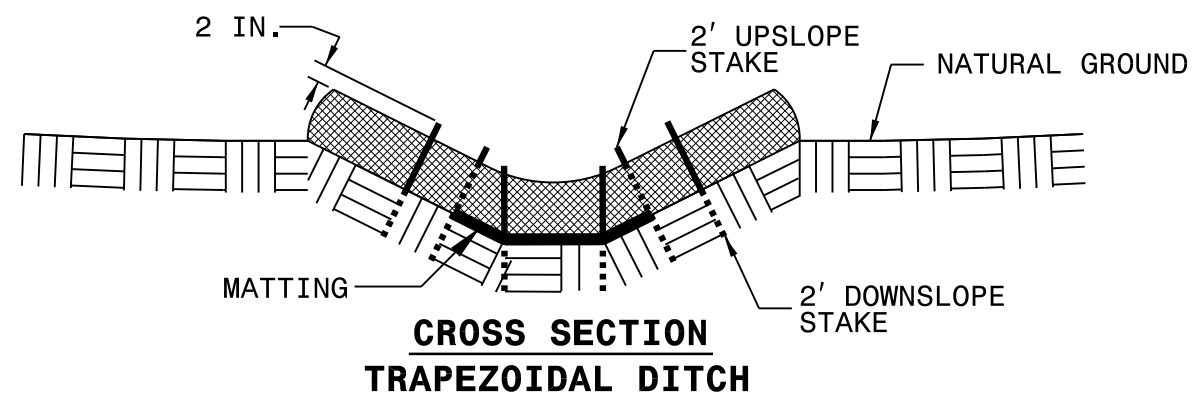
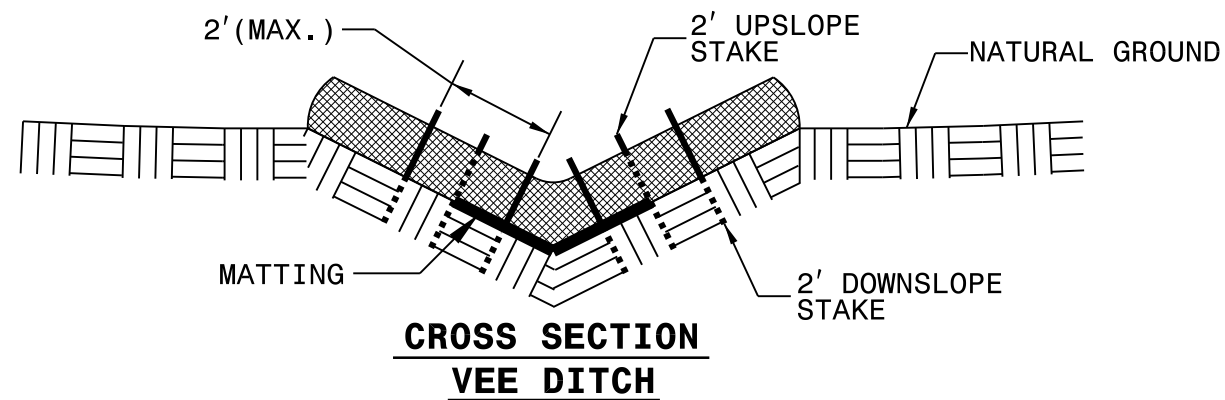
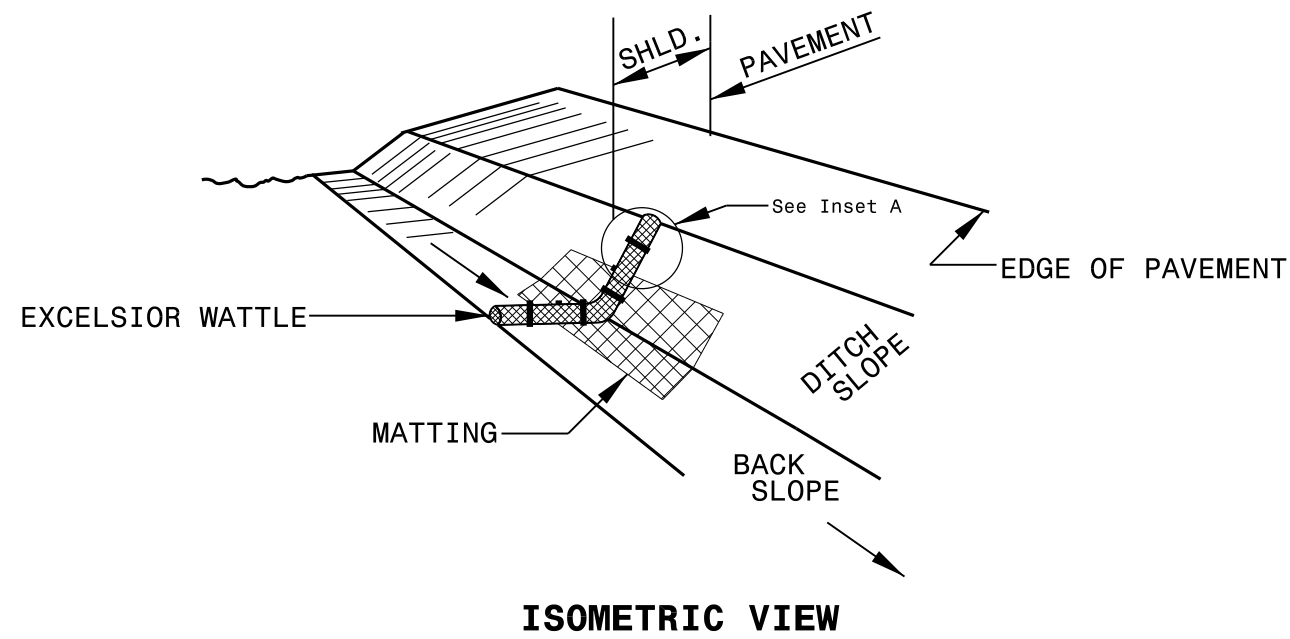


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

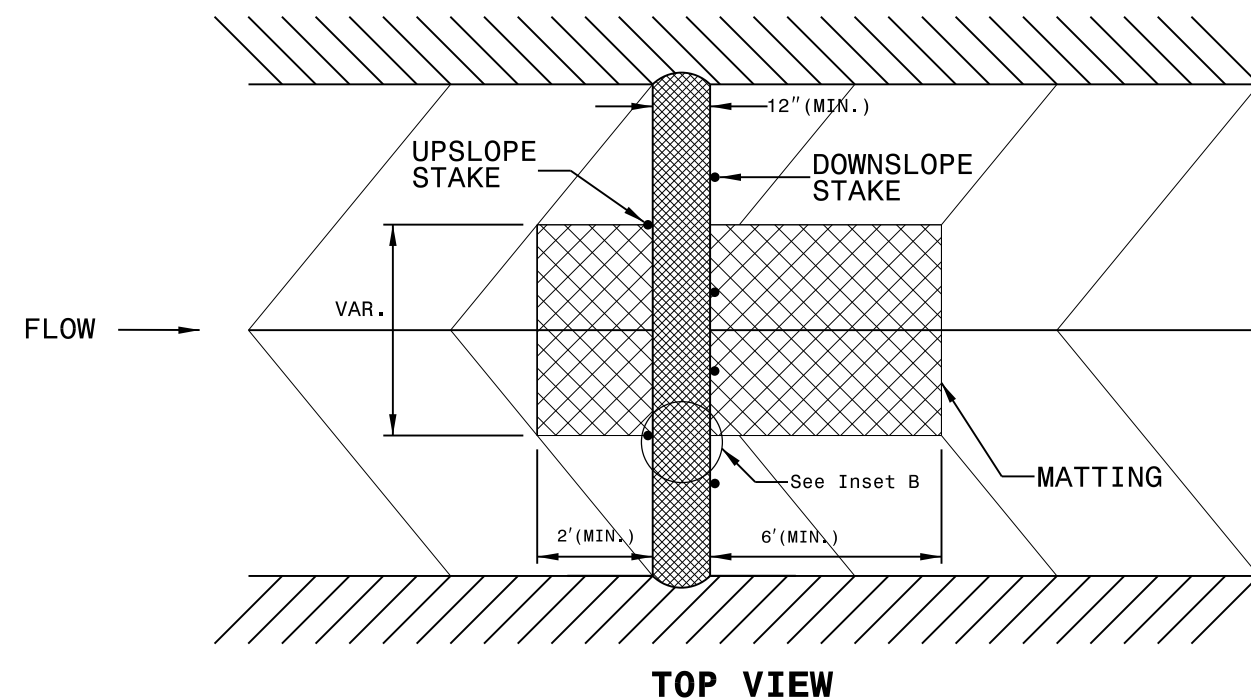
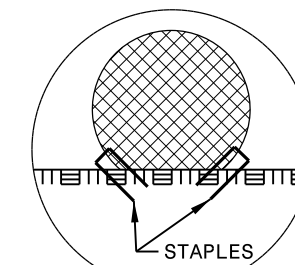
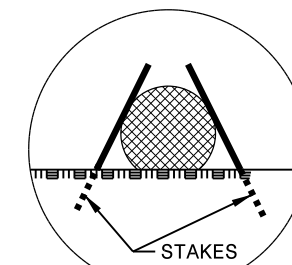
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.



I:\FEB-2015 Iir41 0:\Resurfacing\Plan Sheets\3CR\20711.173. EC RESURF. 2015.dgn

PROJECT NO.	SHEET NO.
2022CPT.03.03.10711, Etc.	9

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1491000000-E	1519000000-E	1520000000-E	1523000000-E			
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	1.5" MILLING	0.75" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C		
												MI	FT	CY	TON	SMI	SY	SY	SY	TONS	TON	TON	TON
2022CPT.03.03.20712	Pender	14	SR 1655 (LAFFITTE STREET)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO SR 1661 (LASALLE ST.) [MP 0.01 - MP 0.15]	5	2	2WU	NO	NO	0.14	18												
TOTAL FOR MAP NO. 14											0.14												
2022CPT.03.03.20712	Pender	15	SR 1724 (KEMPER ROAD)	FROM SR 1693 (DORAL DR.) TO .06 MILES W. OF SR 1693 (DORAL DR.) [MP 0.00 - MP 0.45]	5	2	2WU	NO	NO	0.45	18												
TOTAL FOR MAP NO. 15											0.45												
2022CPT.03.03.20712	Pender	16	SR 1440 (ARVIDA SPUR ROAD)	FROM SR 1426 (CHESHIRE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.30]	5	2	2WU	NO	NO	0.3	18												
TOTAL FOR MAP NO. 16											0.3												
2022CPT.03.03.20712	Pender	17	SR 1679 (SOUTH BELVEDERE DRIVE)	FROM SR 1565 (COUNTRY CLUB DR.) TO SR 1681 (SOUND VIEW DRIVE N.) [MP 0.01 - MP 1.23]	4	2	2WU	NO	NO	1.22	24												
TOTAL FOR MAP NO. 17											1.22												
2022CPT.03.03.20712	Pender	18	SR 1708 (LAKE CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.11]	4	2	2WU	NO	NO	0.11	20												
TOTAL FOR MAP NO. 18											0.11												
TOTAL FOR PROJ NO. 2022CPT.03.03.20712											6.26							15,957			28		
																		15,957					
GRAND TOTAL											21.8		2,390	434	31.08	10,490	15,957	1,761	2,625	7,860	28	9,805	
																		26,447					

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	1526000000-E	1575000000-E	1880000000-E		6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E		
												SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (MILL) GENERIC	PATCHING EXISTING PAVEMENT (FULL DEPTH) GENERIC	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING		
												MI	FT	TON	TON	TON	TON	LF	TON	TON	ACR	LBS	TON
2022CPT.03.03.10311	Duplin	1	NC 50 HIGHWAY	FROM PENDER COUNTY LINE TO .04 MILES S. OF SR 1830 (JAMES RD.) [MP 0.00 - MP 2.86]	1	2	2WU	NO	NO	2.86	24		319	200			281	70	70	2.81	141	0.70	
TOTAL FOR MAP NO. 1																							
TOTAL FOR PROJ NO. 2022CPT.03.03.10311												2.86			319	200		281	70	70	2.81	141	0.70
												200											
2022CPT.03.03.10711	Pender	2	NC 50 HIGHWAY	FROM NC 53 HWY. TO DUPLIN CO. LINE [MP 31.31 - MP 35.99]	2	2	2WU	NO	NO	4.68	24		387	600			470	118	118	4.70	235	1.18	
TOTAL FOR MAP NO. 2																							
TOTAL FOR PROJ NO. 2022CPT.03.03.10711												4.68			387	600		470	118	118	4.70	235	1.18
												600											
2022CPT.03.03.20711	Pender	3	SR 1332 (PENDERLEA HIGHWAY)	FROM SR 1209 (SHILOH RD.) TO SR 1328 (GARDEN/RACCOON RD.) [MP 7.25 - MP 9.95]	3	2	2WU	NO	NO	2.7	22		194	150			270	68	68	2.70	135	0.68	
TOTAL FOR MAP NO. 3																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20711												2.7			194	150		270	68	68	2.70	135	0.68
												270											
2022CPT.03.03.20711	Pender	4	SR 1333 (LAMB ROAD)	FROM NC 11 HWY. TO SR 1332 (PENDERLEA HWY.) [MP 0.00 - MP 3.30]	3	2	2WU	NO	NO	3.3	20		215	100			330	83	83	3.30	165	0.83	
TOTAL FOR MAP NO. 4																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20711												3.3			215	100		330	83	83	3.30	165	0.83
												330											
2022CPT.03.03.20711	Pender	5	SR 1209 (SHILOH ROAD)	FROM SR 1335 (MESSICK RD.) TO SR 1332 (PENDERLEA HWY.) [MP 9.98 - MP 11.98]	3	2	2WU	NO	NO	2	18		118	75			200	50	50	2.00	100	0.50	
TOTAL FOR MAP NO. 5																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20711												2			118	75		200	50	50	2.00	100	0.50
												8											
												527											
												325											
2022CPT.03.03.20712	Pender	6	SR 1215 (JESSE MOORE ROAD)	FROM SR 1211 (INDIAN HILL RD.) TO SR 1214 (JESSE MOORE RD.) [MP 0.01 - MP 0.58]	5	2	2WU	NO	NO	0.57	18		256	18									
TOTAL FOR MAP NO. 6																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												0.57			256	18		60					
												256											
2022CPT.03.03.20712	Pender	7	SR 1214 (JESSE MOORE ROAD)	FROM SR 1215 (JESSE MOORE RD.) TO SR 1217 (TEDDER RD.) [MP 0.70 - MP 1.11]	5	2	2WU	NO	NO	0.41	18		184	13									
TOTAL FOR MAP NO. 7																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												0.41			184	13		30					
												184											
2022CPT.03.03.20712	Pender	8	SR 1105 (SYKES TOWN ROAD)	FROM SR 1104 (CANETUCK RD.) TO BLADEN CO. LINE [MP 0.04 - MP 1.40]	5	2	2WU	NO	NO	1.36	20		678	49									
TOTAL FOR MAP NO. 8																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												1.36			678	49		60					
												678											
2022CPT.03.03.20712	Pender	9	SR 1659 (EBB DRIVE)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO SR 1657 (HIGH TIDE DR.) [MP 0.00 - MP 0.18]	5	2	2WU	NO	NO	0.18	20		90	6									
TOTAL FOR MAP NO. 9																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												0.18			90	6		30					
												90											
2022CPT.03.03.20712	Pender	10	SR 1657 (HIGH TIDE DRIVE)	FROM SR 1581 (SIMMONS DR.) TO SR 1659 (EBB DR.) [MP 0.00 - MP 0.57]	5	2	2WU	NO	NO	0.57	20		284	20									
TOTAL FOR MAP NO. 10																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												0.57			284	20		37					
												284											
2022CPT.03.03.20712	Pender	11	SR 1658 (SANDBAR DRIVE)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO SR 1657 (HIGH TIDE DR.) [MP 0.00 - MP 0.17]	5	2	2WU	NO	NO	0.17	18		76	5									
TOTAL FOR MAP NO. 11																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												0.17			76	5		15					
												76											
2022CPT.03.03.20712	Pender	12	SR 1656 (INLET DRIVE)	FROM SR 1581 (SIMMONS DR.) TO SR 1659 (EBB DR.) [MP 0.00 - MP 0.50]	5	2	2WU	NO	NO	0.5	20		249	17									
TOTAL FOR MAP NO. 12																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												0.5			249	17		10					
												249											
2022CPT.03.03.20712	Pender	13	SR 1581 (SIMMONS DRIVE)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.28]	5	2	2WU	NO	NO	0.28	18		126	9									
TOTAL FOR MAP NO. 13																							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												0.28			126	9		10					
												126											

PROJECT NO.	SHEET NO.
2022CPT.03.03.10711, 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	1526000000-E	1575000000-E	1880000000-E		6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E							
												SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (MILL) GENERIC	PATCHING EXISTING PAVEMENT (FULL DEPTH) GENERIC	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING							
												MI	FT	TON	TON	TON	TON	LF	TON	TON	ACR	LBS	TON					
2022CPT.03.03.20712	Pender	14	SR 1655 (LAFFITTE STREET)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO SR 1661 (LASALLE ST.) [MP 0.01 - MP 0.15]	5	2	2WU	NO	NO	0.14	18	63	4	12														
TOTAL FOR MAP NO. 14												0.14		63	4	12												
2022CPT.03.03.20712	Pender	15	SR 1724 (KEMPER ROAD)	FROM SR 1693 (DORAL DR.) TO .06 MILES W. OF SR 1693 (DORAL DR.) [MP 0.00 - MP 0.45]	5	2	2WU	NO	NO	0.45	18	202	14	60														
TOTAL FOR MAP NO. 15												0.45		202	14	60												
2022CPT.03.03.20712	Pender	16	SR 1440 (ARVIDA SPUR ROAD)	FROM SR 1426 (CHESHIRE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.30]	5	2	2WU	NO	NO	0.3	18	135	9	15														
TOTAL FOR MAP NO. 16												0.3		135	9	15												
2022CPT.03.03.20712	Pender	17	SR 1679 (SOUTH BELVEDERE DRIVE)	FROM SR 1565 (COUNTRY CLUB DR.) TO SR 1681 (SOUND VIEW DRIVE N.) [MP 0.01 - MP 1.23]	4	2	2WU	NO	NO	1.22	24	974	68	60														
TOTAL FOR MAP NO. 17												1.22		974	68	60												
2022CPT.03.03.20712	Pender	18	SR 1708 (LAKE CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.11]	4	2	2WU	NO	NO	0.11	20	83	6	25														
TOTAL FOR MAP NO. 18												0.11		83	6	25												
TOTAL FOR PROJ NO. 2022CPT.03.03.20712												6.26		3,400	238	339	85											
																424												
GRAND TOTAL																	21.8		3,400	1,471	1,464	85	1,551	389	389	15.51	776	3.89
																					1,549							

PROJECT NO.	SHEET NO.
2022CPT.03.03.10711, Etc.	13

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	7444000000-E	
												MATting FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	INDUCTIVE LOOP SAWCUT	
											MI	FT	SY	LF	LF	AC	LB	TON	EA	LF
2022CPT.03.03.20712	Pender	14	SR 1655 (LAFFITTE STREET)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO SR 1661 (LASALLE ST.) [MP 0.01 - MP 0.15]	5	2	2WU	NO	NO	0.14	18									
TOTAL FOR MAP NO. 14											0.14									
2022CPT.03.03.20712	Pender	15	SR 1724 (KEMPER ROAD)	FROM SR 1693 (DORAL DR.) TO .06 MILES W. OF SR 1693 (DORAL DR.) [MP 0.00 - MP 0.45]	5	2	2WU	NO	NO	0.45	18									
TOTAL FOR MAP NO. 15											0.45									
2022CPT.03.03.20712	Pender	16	SR 1440 (ARVIDA SPUR ROAD)	FROM SR 1426 (CHESHIRE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.30]	5	2	2WU	NO	NO	0.3	18									
TOTAL FOR MAP NO. 16											0.3									
2022CPT.03.03.20712	Pender	17	SR 1679 (SOUTH BELVEDERE DRIVE)	FROM SR 1565 (COUNTRY CLUB DR.) TO SR 1681 (SOUND VIEW DRIVE N.) [MP 0.01 - MP 1.23]	4	2	2WU	NO	NO	1.22	24									
TOTAL FOR MAP NO. 17											1.22									
2022CPT.03.03.20712	Pender	18	SR 1708 (LAKE CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.11]	4	2	2WU	NO	NO	0.11	20									
TOTAL FOR MAP NO. 18											0.11									
TOTAL FOR PROJ NO. 2022CPT.03.03.20712											6.26									
GRAND TOTAL											21.8		120	776	260	15.04	776	3.89	32	30

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	4413000000-E		4457000000-N	4685000000-E		4810000000-E		4891000000-E	4895000000-N	4900000000-N			
								WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" YELLOW PAINT	4" WHITE PAINT	24" X 90 M WHITE THERMO	NON CAST IRON SNOW PLOWABLE MARKERS (Y/Y) GENERIC	YELLOW & YELLOW MARKERS				
								MI	FT	SF	LS	LF	LF	LF	LF	LF	EA	EA		
2022CPT.03.03.10311	Duplin	1	NC 50 HIGHWAY	FROM PENDER COUNTY LINE TO .04 MILES S. OF SR 1830 (JAMES RD.) [MP 0.00 - MP 2.86]	1	2	2WU	2.86	24	315	0.14	30,236	21,906			70	189			
TOTAL FOR MAP NO. 1								2.86		315	0.14	30,236	21,906			70	189			
TOTAL FOR PROJ NO. 2022CPT.03.03.10311								2.86		315	0.14	30,236	21,906			70	189			
											52,142									
2022CPT.03.03.10711	Pender	2	NC 50 HIGHWAY	FROM NC 53 HWY. TO DUPLIN CO. LINE [MP 31.31 - MP 35.99]	2	2	2WU	4.68	24	528	0.20	49,632	31,819				311			
TOTAL FOR MAP NO. 2								4.68		528	0.20	49,632	31,819				311			
TOTAL FOR PROJ NO. 2022CPT.03.03.10711								4.68		528	0.20	49,632	31,819				311			
											81,451									
2022CPT.03.03.20711	Pender	3	SR 1332 (PENDERLEA HIGHWAY)	FROM SR 1209 (SHILOH RD.) TO SR 1328 (GARDEN/RACCOON RD.) [MP 7.25 - MP 9.95]	3	2	2WU	2.7	22	304	0.12	28,512	6,767				180			
TOTAL FOR MAP NO. 3								2.7		304	0.12	28,512	6,767				180			
2022CPT.03.03.20711	Pender	4	SR 1333 (LAMB ROAD)	FROM NC 11 HWY. TO SR 1332 (PENDERLEA HWY.) [MP 0.00 - MP 3.30]	3	2	2WU	3.3	20	368	0.14		47,030		70,620			220		
TOTAL FOR MAP NO. 4								3.3		368	0.14			47,030	70,620			220		
2022CPT.03.03.20711	Pender	5	SR 1209 (SHILOH ROAD)	FROM SR 1335 (MESSICK RD.) TO SR 1332 (PENDERLEA HWY.) [MP 9.98 - MP 11.98]	3	2	2WU	2	18	224	0.10		29,634		43,040			132		
TOTAL FOR MAP NO. 5								2		224	0.10			29,634	43,040			132		
TOTAL FOR PROJ NO. 2022CPT.03.03.20711								8		896	0.36	28,512	6,767	76,664	113,660			180	352	
											35,279		190,324							
2022CPT.03.03.20712	Pender	6	SR 1215 (JESSE MOORE ROAD)	FROM SR 1211 (INDIAN HILL RD.) TO SR 1214 (JESSE MOORE RD.) [MP 0.01 - MP 0.58]	5	2	2WU	0.57	18		0.03		6,680		12,038			38		
TOTAL FOR MAP NO. 6								0.57			0.03			6,680	12,038			38		
2022CPT.03.03.20712	Pender	7	SR 1214 (JESSE MOORE ROAD)	FROM SR 1215 (JESSE MOORE RD.) TO SR 1217 (TEDDER RD.) [MP 0.70 - MP 1.11]	5	2	2WU	0.41	18		0.02		4,884		8,659			28		
TOTAL FOR MAP NO. 7								0.41			0.02			4,884	8,659			28		
2022CPT.03.03.20712	Pender	8	SR 1105 (SYKES TOWN ROAD)	FROM SR 1104 (CANETUCK RD.) TO BLADEN CO. LINE [MP 0.04 - MP 1.40]	5	2	2WU	1.36	20		0.06		12,451		29,267			90		
TOTAL FOR MAP NO. 8								1.36			0.06			12,451	29,267			90		
2022CPT.03.03.20712	Pender	9	SR 1659 (EBB DRIVE)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO SR 1657 (HIGH TIDE DR.) [MP 0.00 - MP 0.18]	5	2	2WU	0.18	20		0.01									
TOTAL FOR MAP NO. 9								0.18			0.01									
2022CPT.03.03.20712	Pender	10	SR 1657 (HIGH TIDE DRIVE)	FROM SR 1581 (SIMMONS DR.) TO SR 1659 (EBB DR.) [MP 0.00 - MP 0.57]	5	2	2WU	0.57	20		0.01									
TOTAL FOR MAP NO. 10								0.57			0.01									
2022CPT.03.03.20712	Pender	11	SR 1658 (SANDBAR DRIVE)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO SR 1657 (HIGH TIDE DR.) [MP 0.00 - MP 0.17]	5	2	2WU	0.17	18		0.01									

PROJECT NO.	SHEET NO.
2022CPT.03.03.10711, Etc.	15

THERMOPLASTIC AND PAINT QUANTITIES

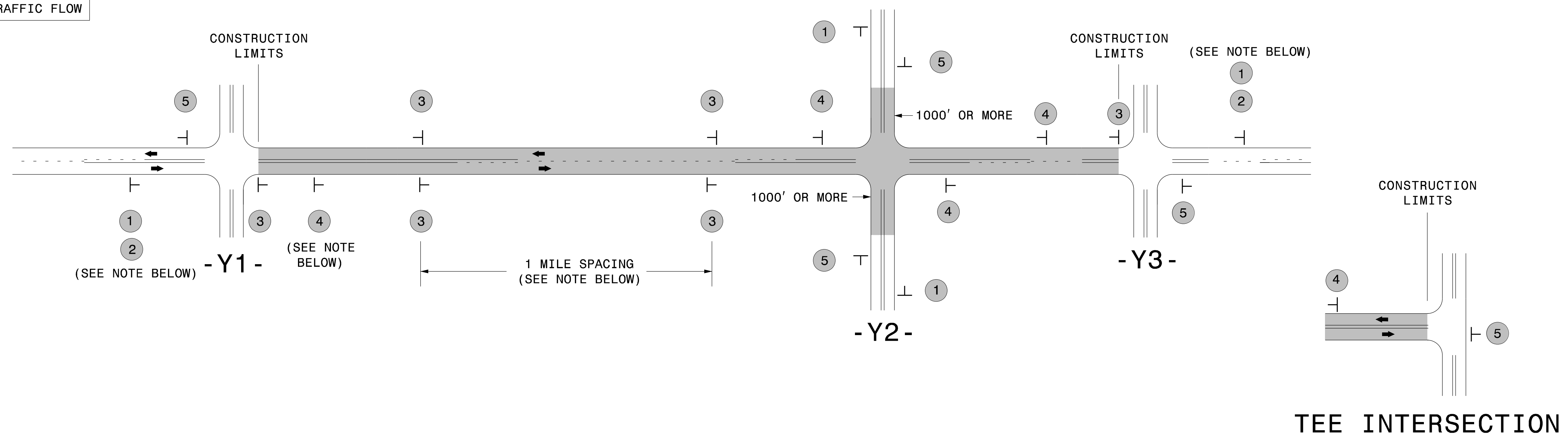
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E		4810000000-E		4891000000-E	4895000000-N	4900000000-N	
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" YELLOW PAINT	4" WHITE PAINT	24" X 90 M WHITE THERMO	NON CAST IRON SNOW PLOWABLE MARKERS (Y/Y) GENERIC	YELLOW & YELLOW MARKERS	
									MI	FT	SF	LS	LF	LF	LF	LF	EA	EA	
TOTAL FOR MAP NO. 11									0.17			0.01							
2022CPT.03.03.20712	Pender	12	SR 1656 (INLET DRIVE)	FROM SR 1581 (SIMMONS DR.) TO SR 1659 (EBB DR.) [MP 0.00 - MP 0.50]	5	2	2WU	0.5	20		0.02								
TOTAL FOR MAP NO. 12									0.5			0.02							
2022CPT.03.03.20712	Pender	13	SR 1581 (SIMMONS DRIVE)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.28]	5	2	2WU	0.28	18		0.02								
TOTAL FOR MAP NO. 13									0.28			0.02							
2022CPT.03.03.20712	Pender	14	SR 1655 (LAFFITTE STREET)	FROM SR 1571 (SCOTTS HILL LOOP RD.) TO SR 1661 (LASALLE ST.) [MP 0.01 - MP 0.15]	5	2	2WU	0.14	18		0.01								
TOTAL FOR MAP NO. 14									0.14			0.01							
2022CPT.03.03.20712	Pender	15	SR 1724 (KEMPER ROAD)	FROM SR 1693 (DORAL DR.) TO .06 MILES W. OF SR 1693 (DORAL DR.) [MP 0.00 - MP 0.45]	5	2	2WU	0.45	18		0.02								
TOTAL FOR MAP NO. 15									0.45			0.02							
2022CPT.03.03.20712	Pender	16	SR 1440 (ARVIDA SPUR ROAD)	FROM SR 1426 (CHESHIRE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.30]	5	2	2WU	0.3	18		0.02			6,336				36	
TOTAL FOR MAP NO. 16									0.3			0.02			6,336			36	
2022CPT.03.03.20712	Pender	17	SR 1679 (SOUTH BELVEDERE DRIVE)	FROM SR 1565 (COUNTRY CLUB DR.) TO SR 1681 (SOUND VIEW DRIVE N.) [MP 0.01 - MP 1.23]	4	2	2WU	1.22	24		0.06								
TOTAL FOR MAP NO. 17									1.22			0.06							
2022CPT.03.03.20712	Pender	18	SR 1708 (LAKE CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.11]	4	2	2WU	0.11	20		0.01								
TOTAL FOR MAP NO. 18									0.11			0.01							
TOTAL FOR PROJ NO. 2022CPT.03.03.20712									6.26			0.30			30,351	49,964			192
														80,315					
GRAND TOTAL									21.8		1,739	1.00	108,380	60,492	107,015	163,624	70	680	544
													168,872	270,639					

SIGNING FOR RESURFACING PROJECTS

LEGEND

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 <small>W20-1 48" X 48"</small>	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	
	2	 <small>W7-3aP 24" X 18"</small>	#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3	 <small>SP 13107 48" X 48"</small>	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4	 <small>SP 13106 48" X 48"</small>	- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5	 <small>G20-2 A 48" X 24"</small>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

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

W20-1
48" X 48"
 PLACED 500' IN ADVANCE OF FLAGGER.

W20-7 A
48" X 48"
 PLACED 250' IN ADVANCE OF FLAGGER.

MAPS LESS THAN 2 MILES

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.

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:\TUX\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn User:kadai