

Duplin County

2021 Spring

Resurfacing Let

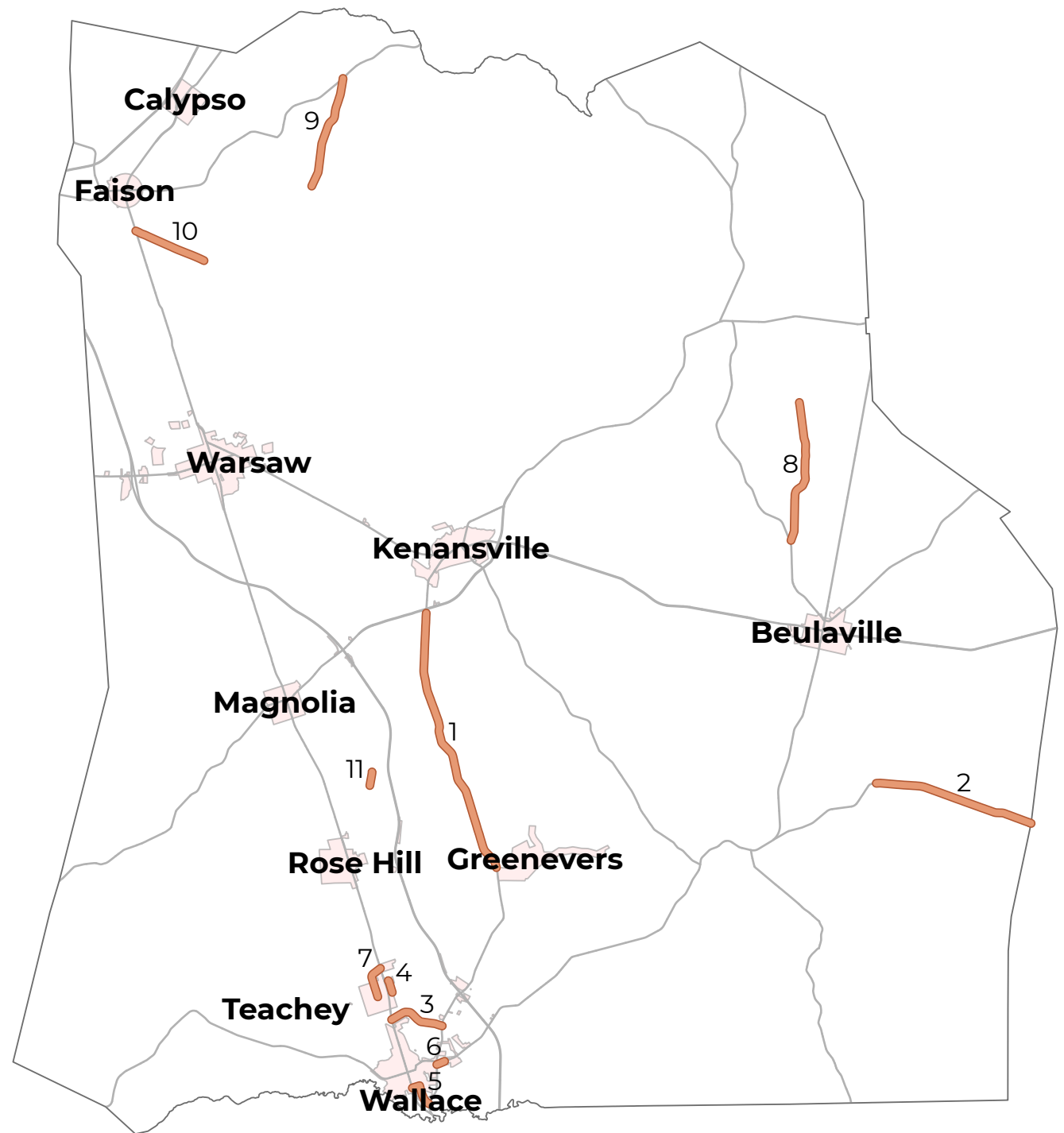
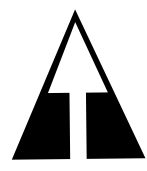
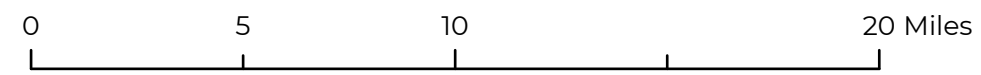


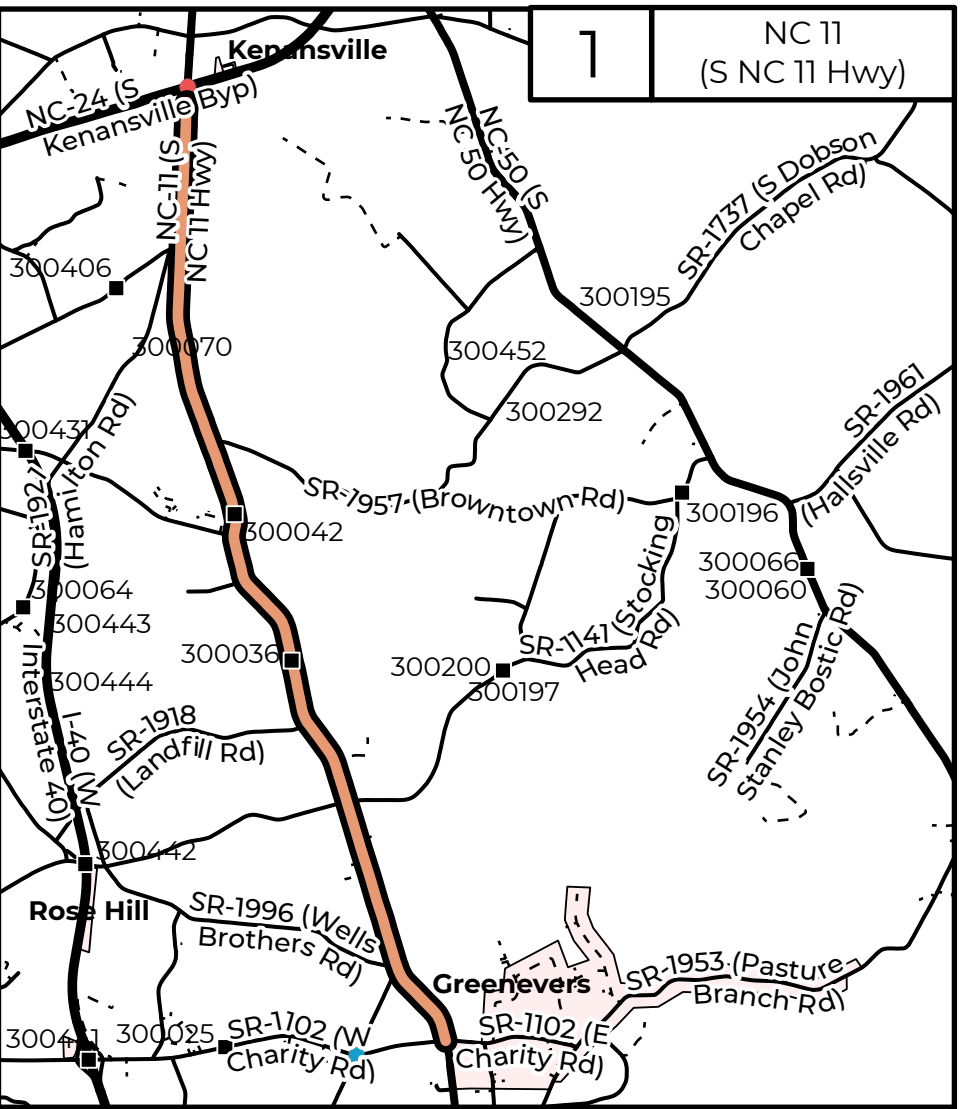
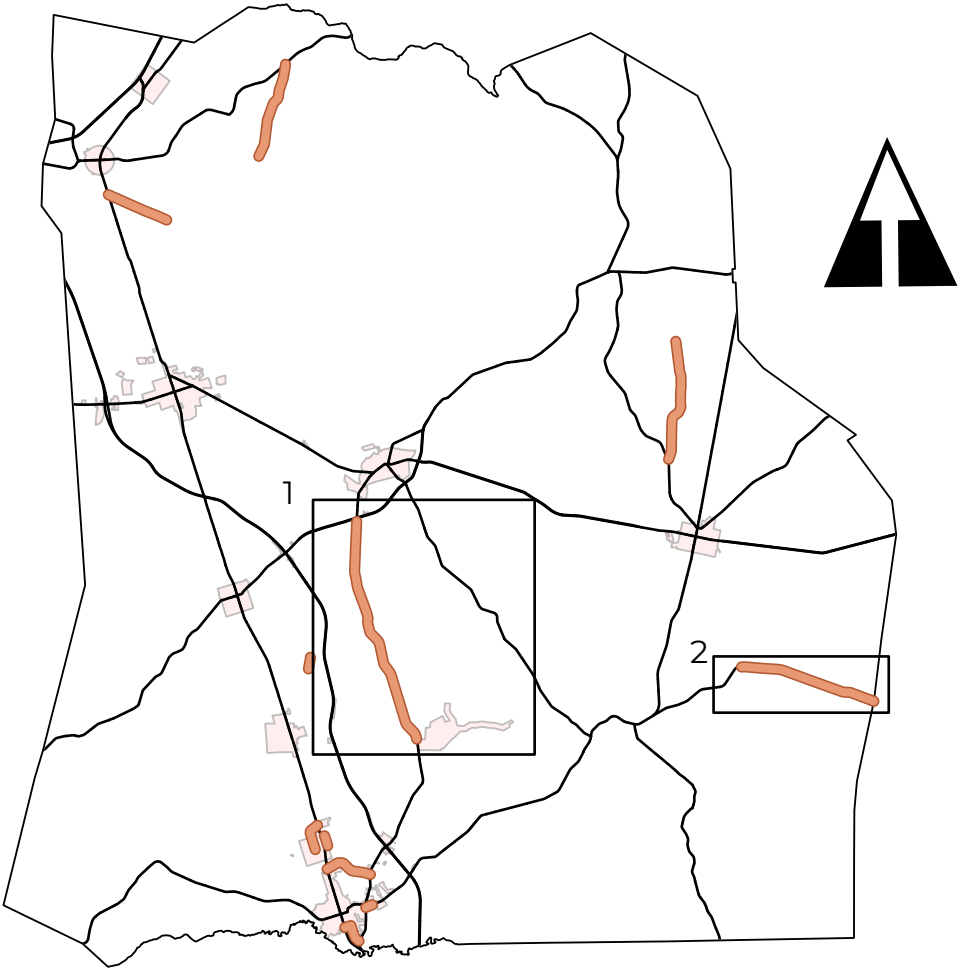
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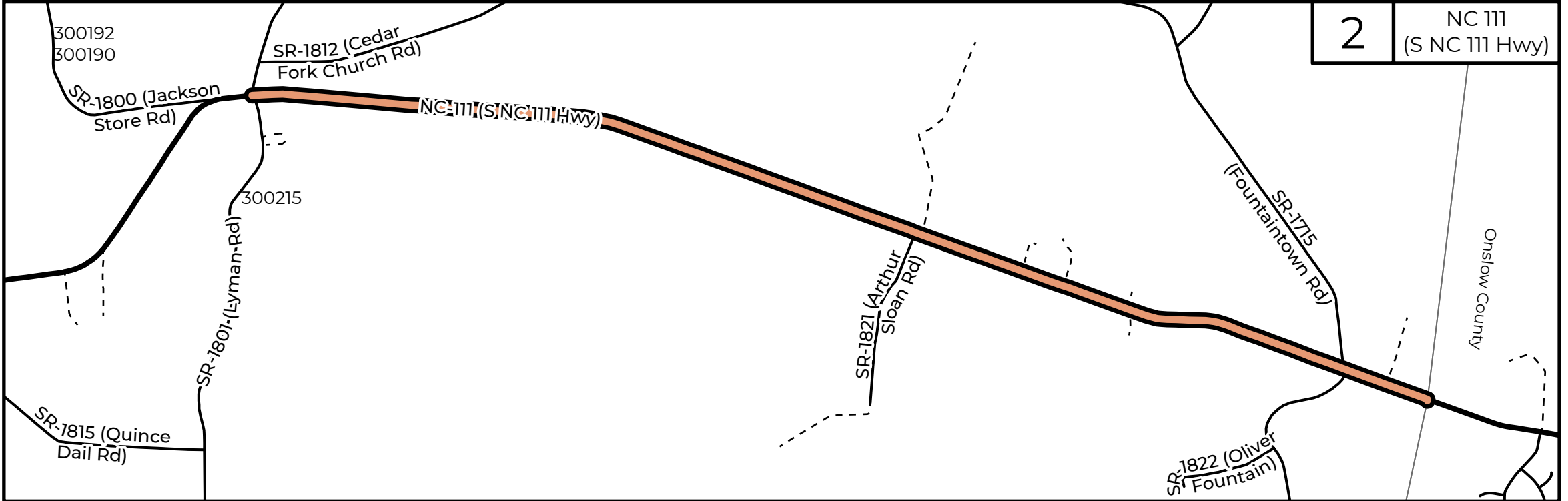
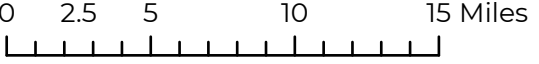


Duplin County 1-2

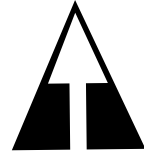
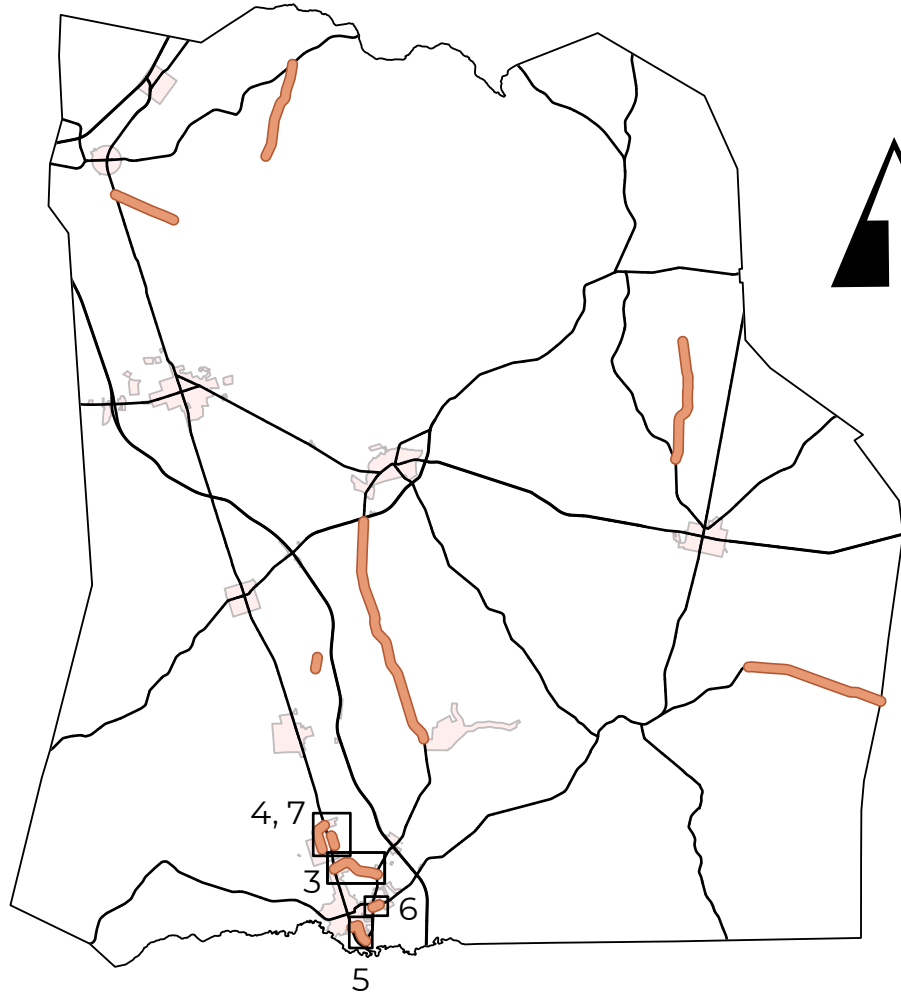
PROJECT REFERENCE NO. 2021CPT.03.13.10311 ,ETC.	SHEET NO. 2
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■ Bridge	— State Maintained Road
▬ Road Section	- - - Municipality Road
● Signal	⊗ Railroad Crossings
● Flasher	

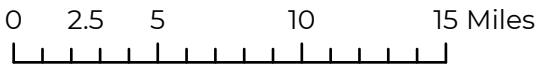


Duplin County 3-7

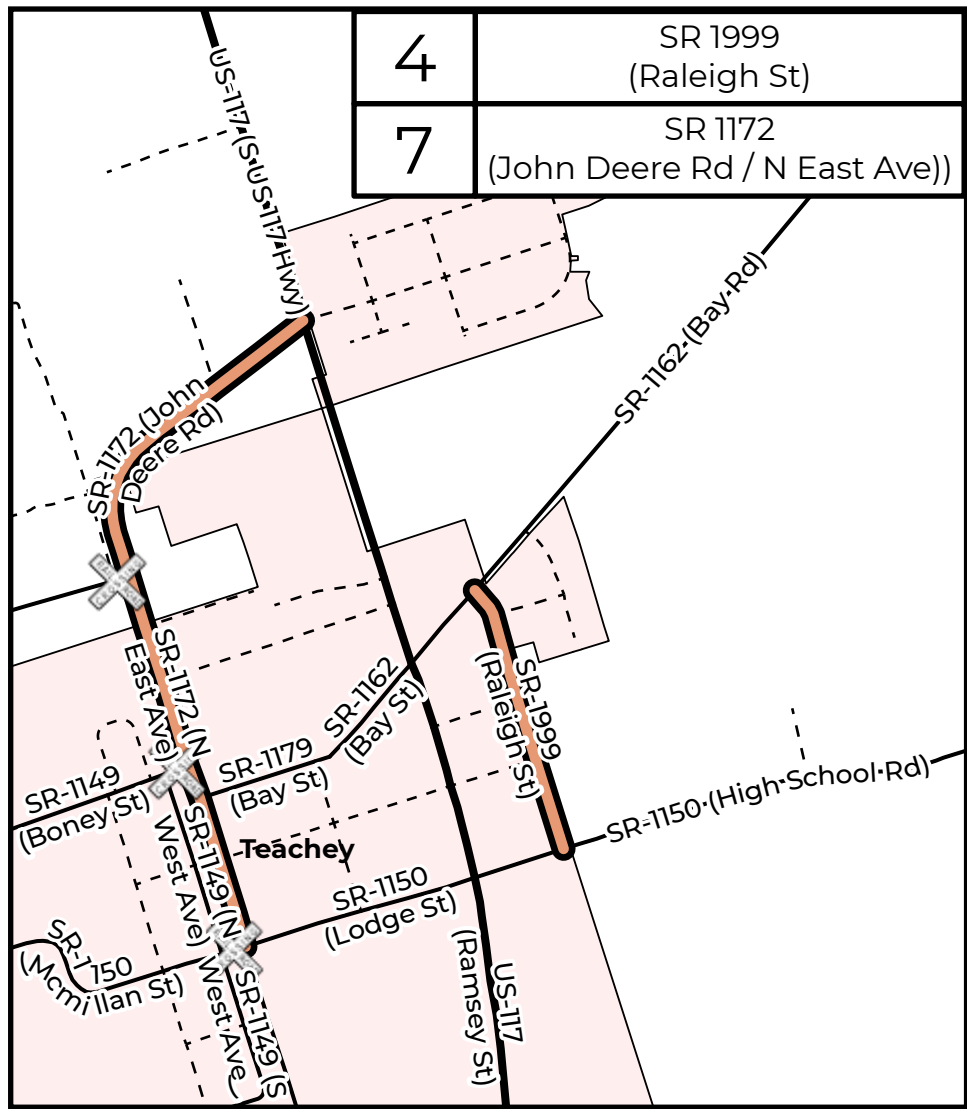


Legend

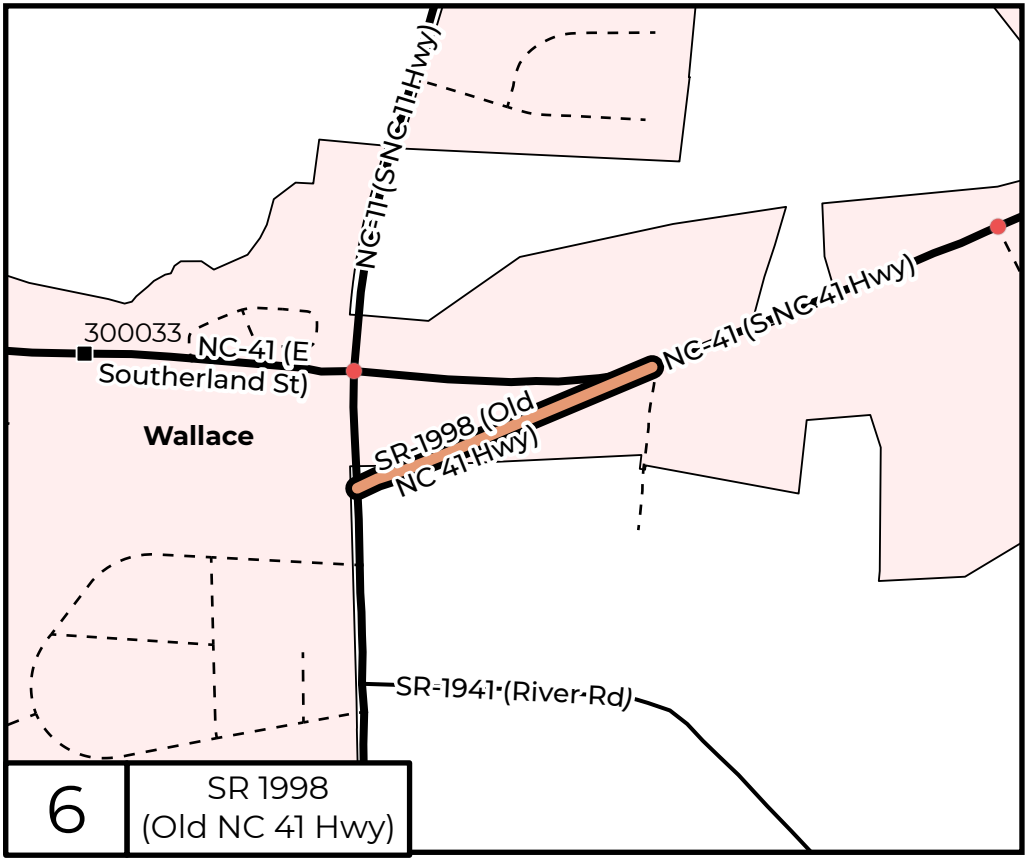
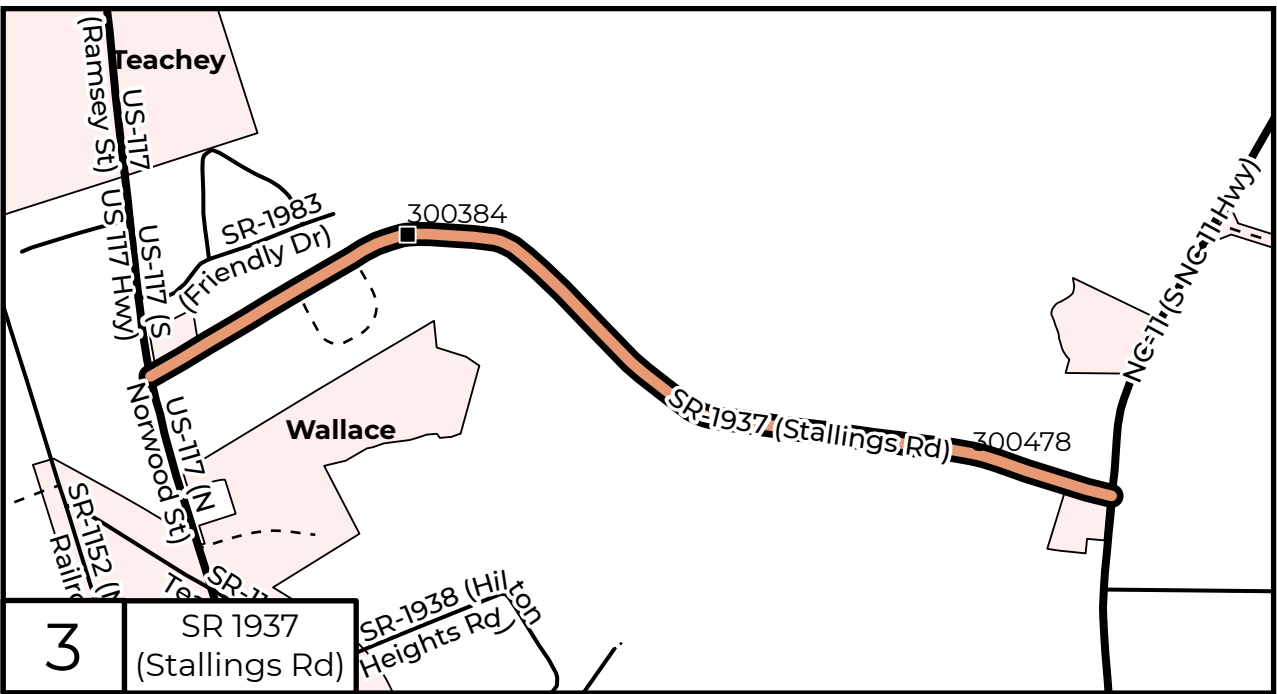
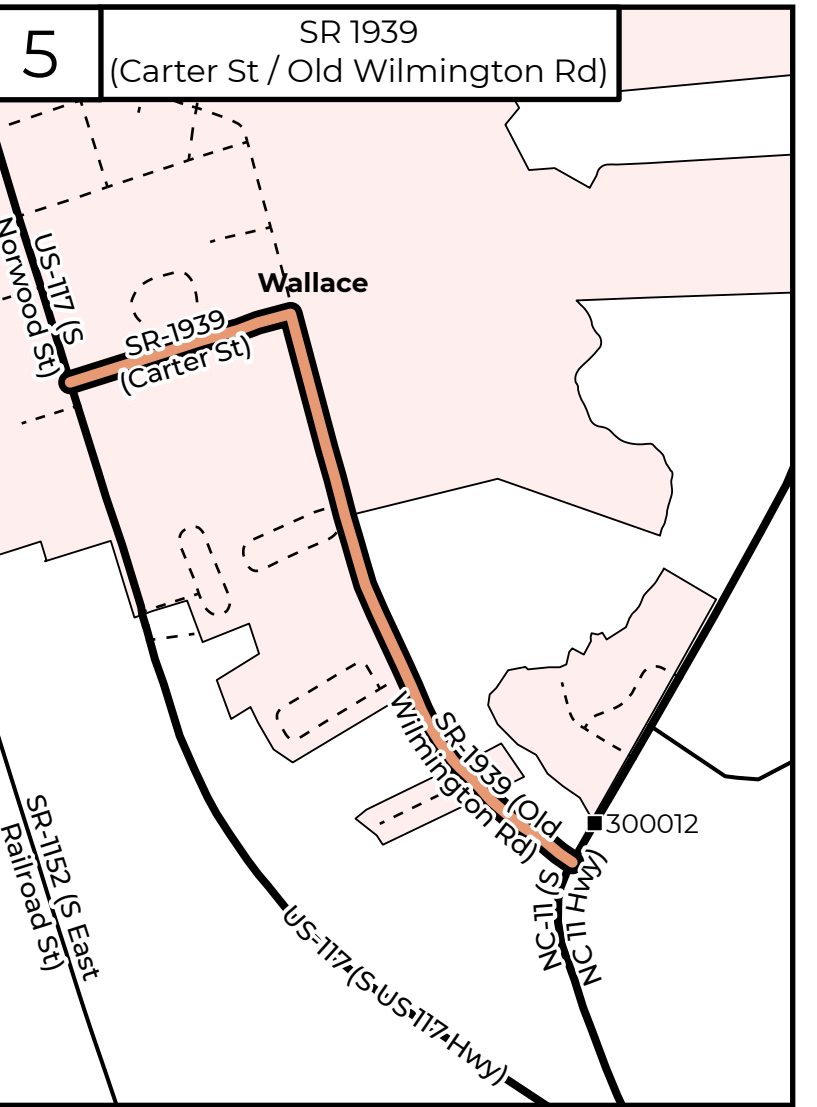
- Bridge
- Road Section
- Signal
- Flasher
- State Maintained Road
- Municipality Road
- Railroad Crossings



4	SR 1999 (Raleigh St)
7	SR 1172 (John Deere Rd / N East Ave)

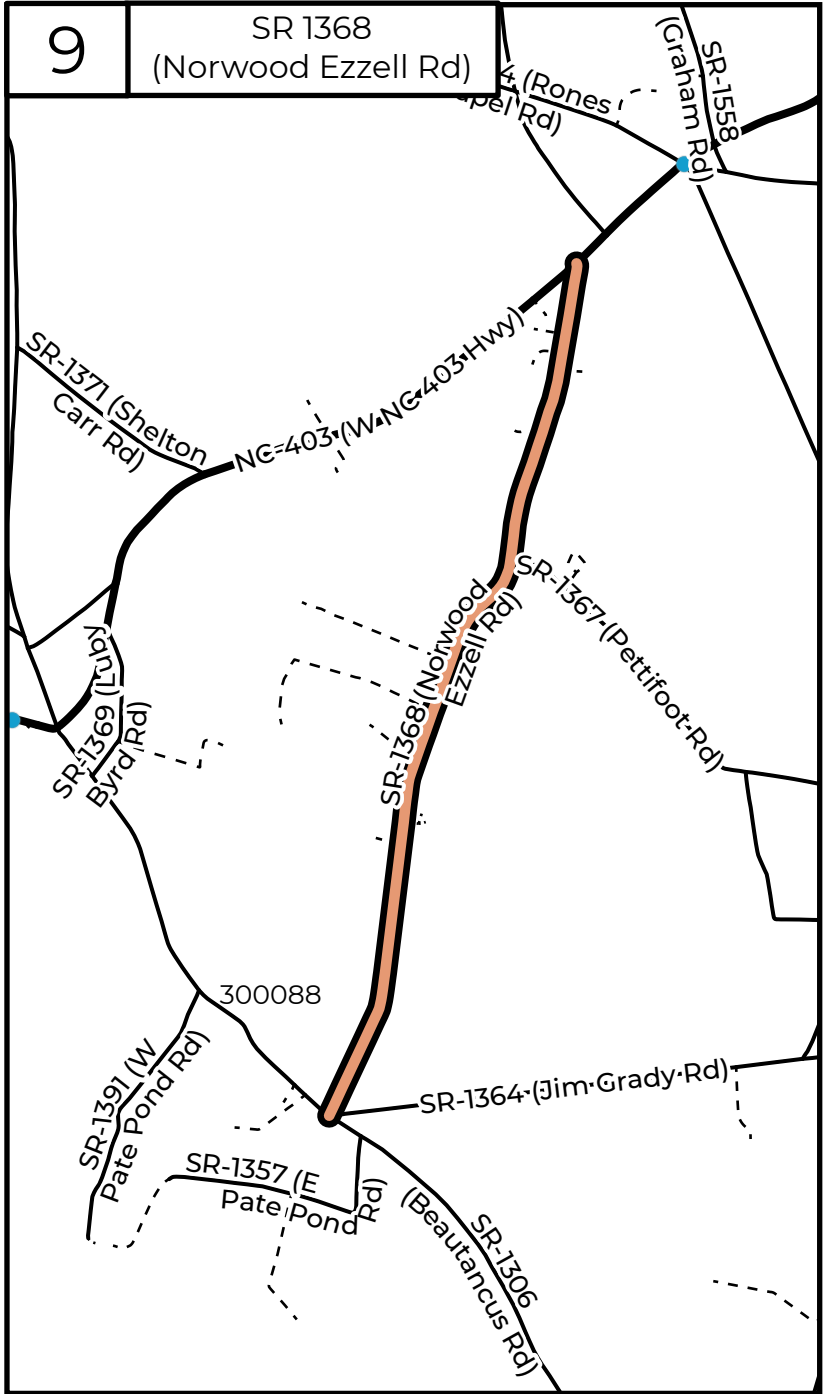
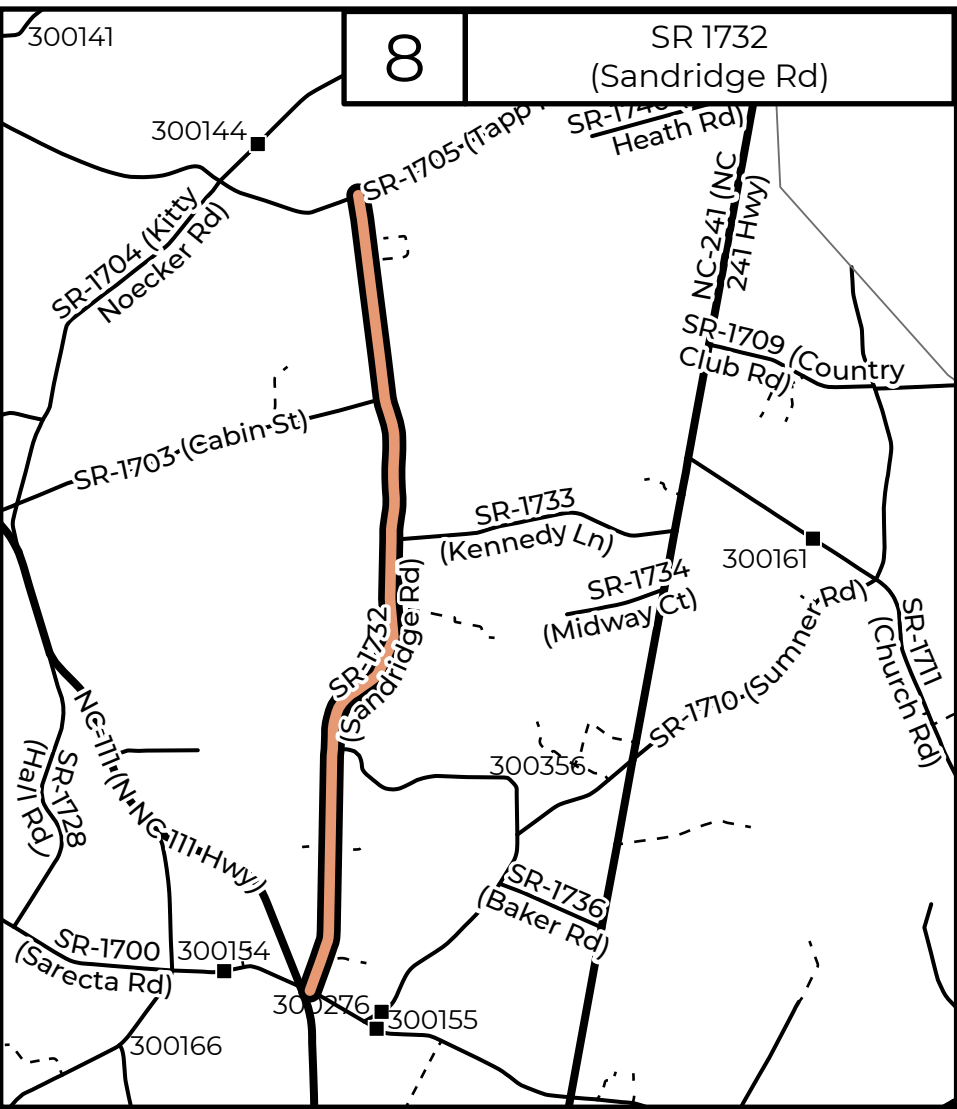
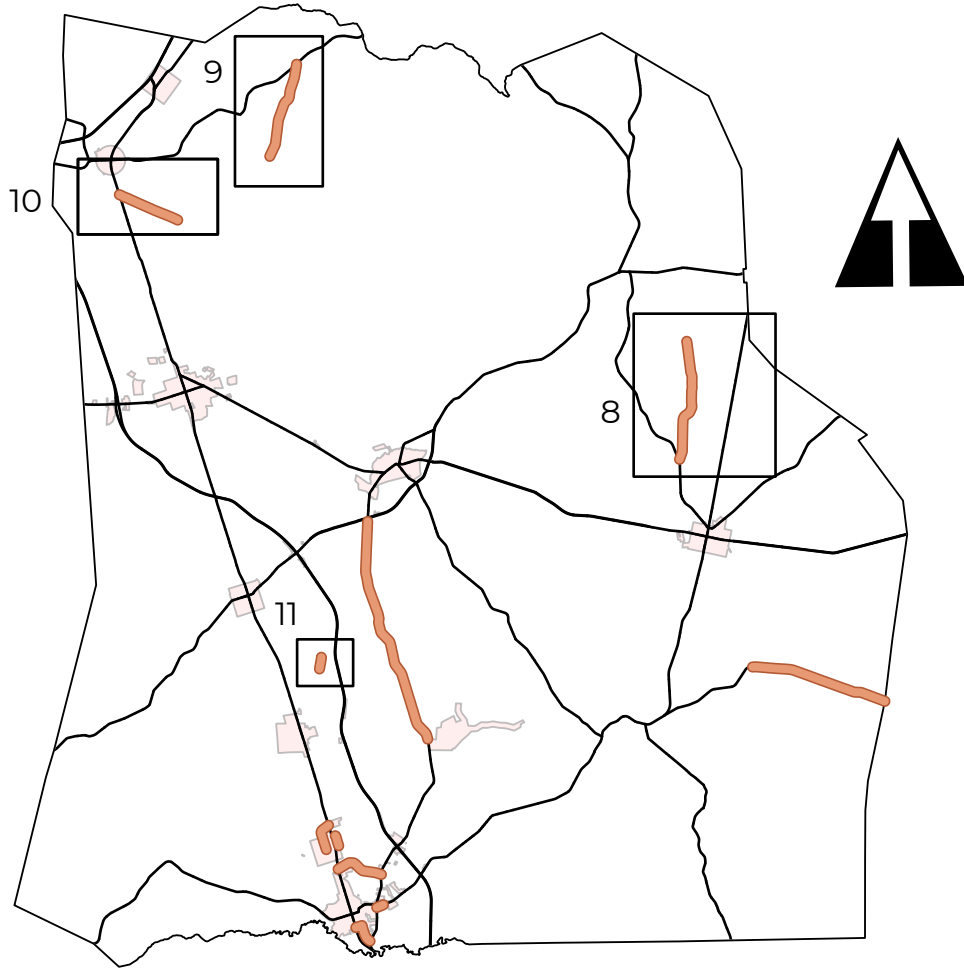


PROJECT REFERENCE NO. 2021CPT.03.13.10311, ETC.	SHEET NO. 3
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Duplin County 8-11

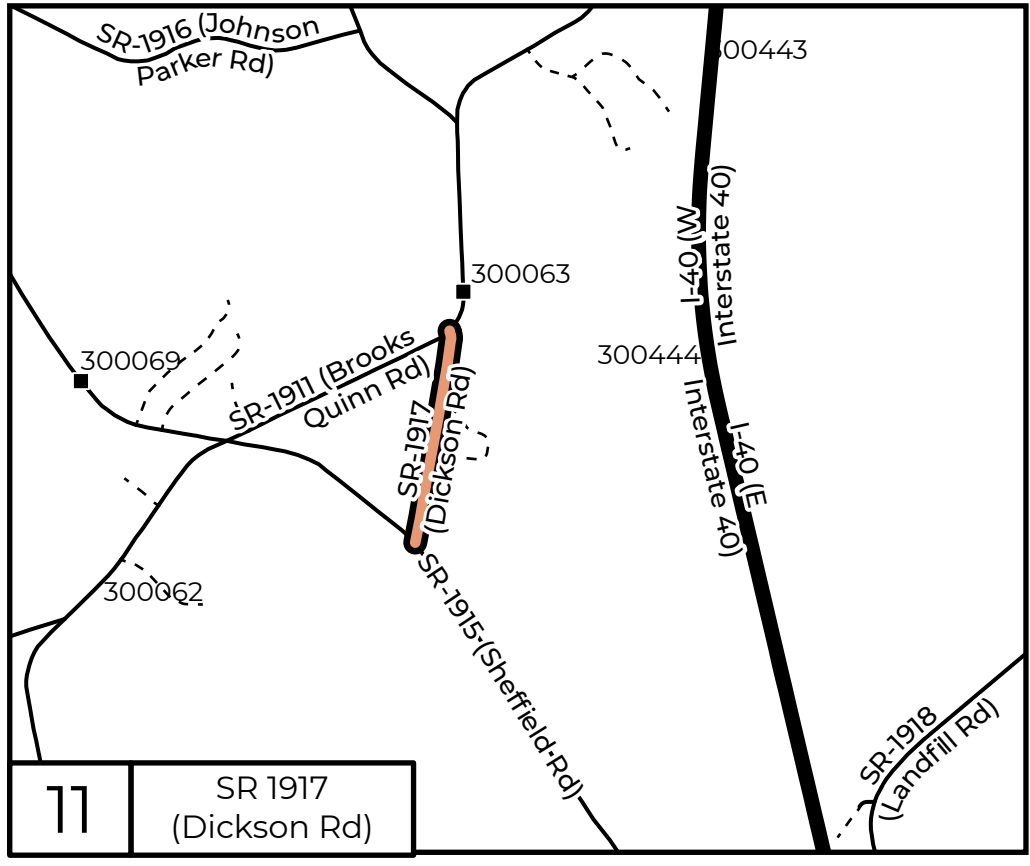
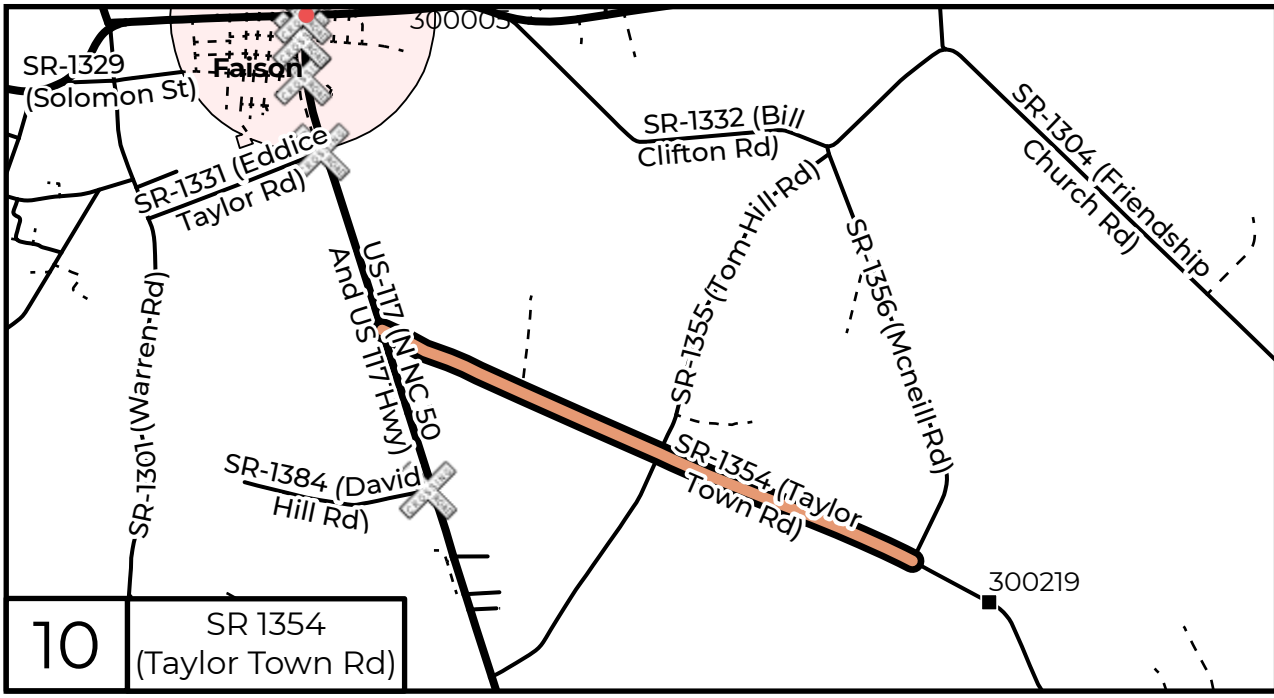
PROJECT REFERENCE NO.	SHEET NO.
2021CPT.03.13.10311 ,ETC.	4

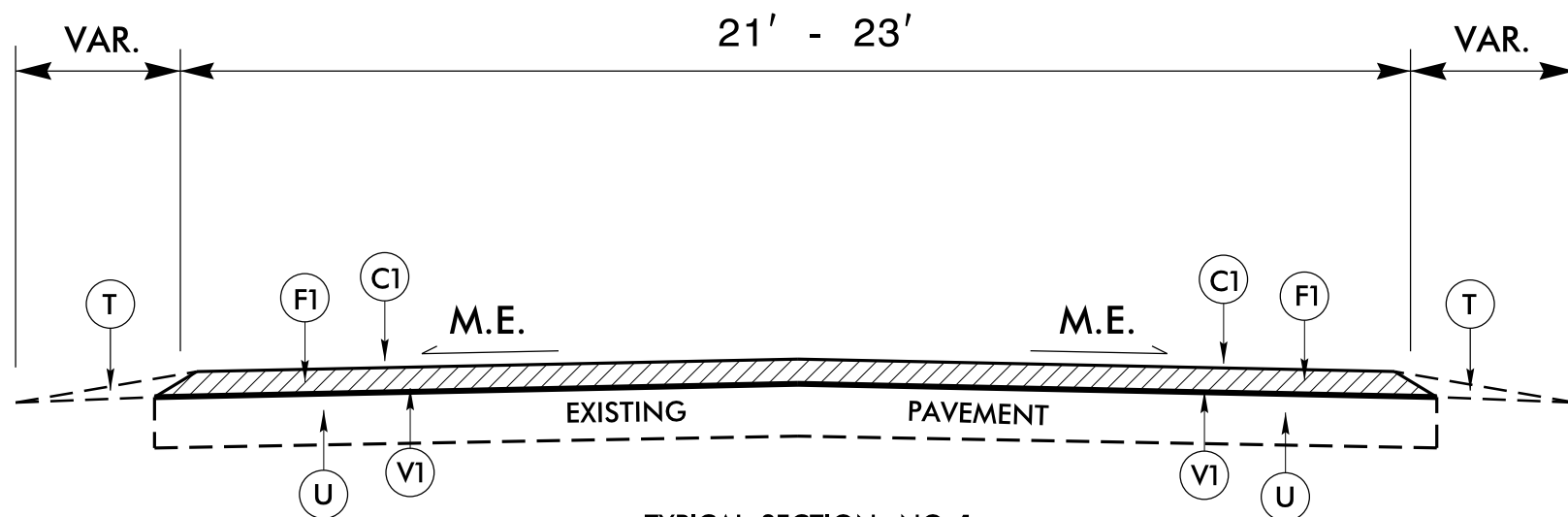


Legend

- Bridge
- State Maintained Road
- Road Section
- Municipality Road
- Signal
- ⊗ Railroad Crossings
- Flasher

0 2.5 5 10 15 Miles

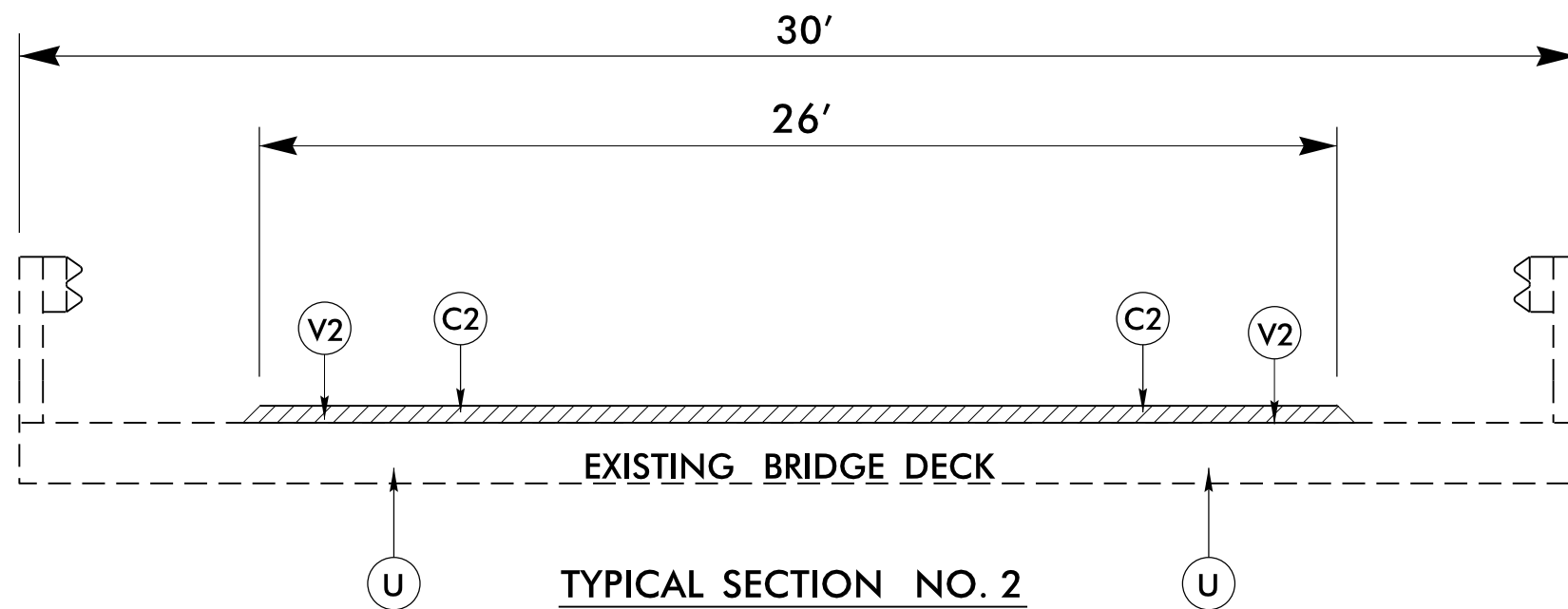




TYPICAL SECTION NO. 1

MAP NO. 1
 NC 11 HWY.
 MP 8.05 - MP 16.05
 ALSO SEE TYPICAL NO. 2
 *FRIS MILL 2-1/2"
 MP 12.60 - MP 12.80

MAP NO. 2
 NC 111 HWY.
 MP 0.00 - MP 4.92
 *FRIS MILL 2-1/2"
 MP 0.00 - MP 0.24
 MP 0.49 - MP 0.51



TYPICAL SECTION NO. 2

MAP NO. 1
 NC 11 (S. NC 11 HWY.)
 DUPLIN BRIDGE #036
 MP 11.38 - MP 11.41

MAP NO. 1
 NC 11 (S. NC 11 HWY.)
 DUPLIN BRIDGE #042
 MP 12.70 - MP 12.72

PAVEMENT SCHEDULE

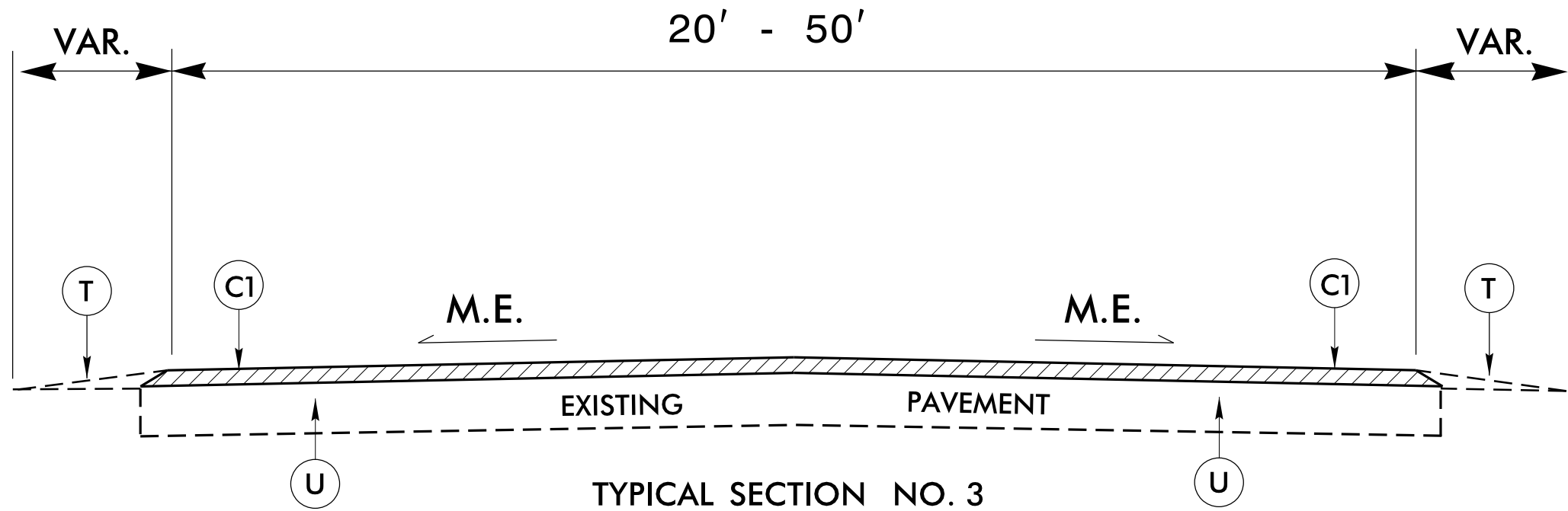
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C2	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
F1	ASPHALT SURFACE TREATMENT - #67 MAT COAT (GRANITE) STONE
R1	REMOVE & REPLACE 2'-6" CURB & GUTTER
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 2½" DEPTH
V2	MILLING ASPHALT PAVEMENT, 1" DEPTH
V3	MILLING ASPHALT PAVEMENT, 0 - 1½" DEPTH

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

** SHOULDER WORK ON MAP NO.1 - 7 AS NEEDED, TO BE DETERMINED BY ENGINEER.

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

8/17/99
 29-DEC-2020 10:03
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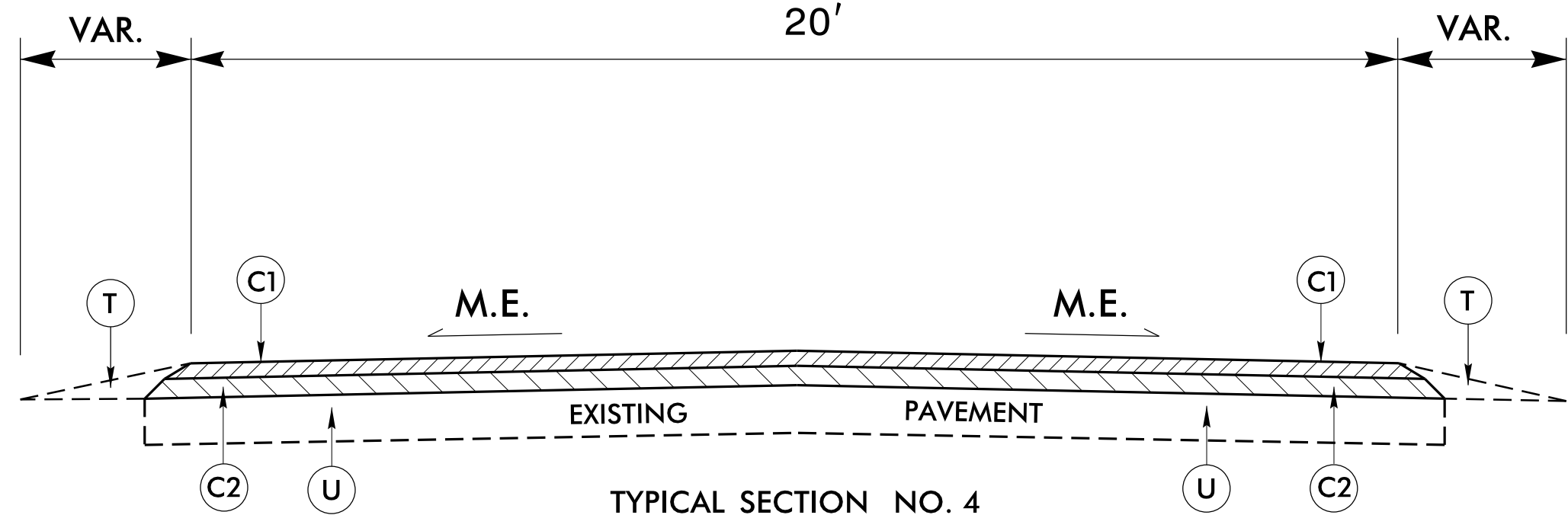


TYPICAL SECTION NO. 3

MAP NO. 3 SR 1937 (STALLINGS RD.) MP 0.08 - MP 1.68	MAP NO. 6 SR 1998 (OLD NC 41 HWY.) MP 0.00 - MP 0.24
* NO PAVING BRIDGE NO. 384 (FROM MP 0.42 - MP 0.51)	
MAP NO. 7 SR 1172 (JOHN DEERE RD. / N. EAST AVE.) MP 0.00 - MP 0.99	

PAVEMENT SCHEDULE	
C1	1½" S9.5B
C2	1" S9.5B
T	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT

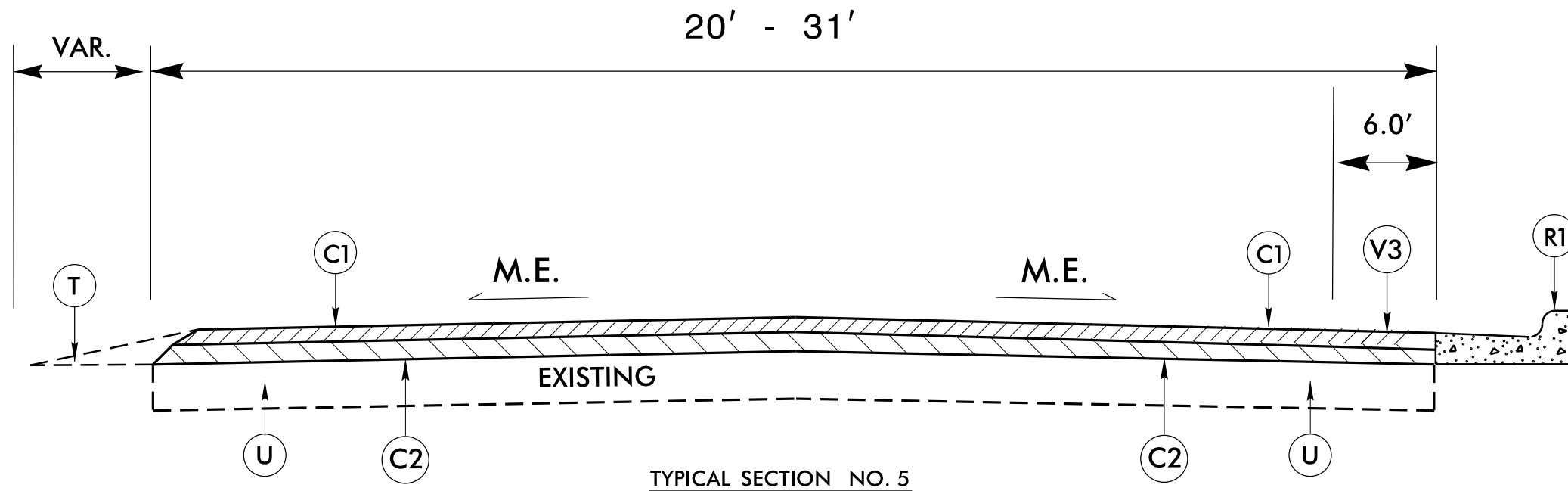
PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.



TYPICAL SECTION NO. 4

MAP NO. 4
SR 1999 (RALEIGH ST.)
MP 0.00 - MP 0.37

8/17/99
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MAP NO. 5
 SR 1939 (CARTER ST. / OLD WILMINGTON RD.)
 MP 0.00 - MP 0.85

* V3 SEE NOTES TO CONTRACTOR IN CONTRACT PROVISION

PAVEMENT SCHEDULE	
C1	1 1/2" S9.5B
C2	1" S9.5B
R1	REMOVE & REPLACE 2'-6" CURB & GUTTER
T	EARTH MATERIAL SHOULDER RECONST.
U	EXISTING PAVEMENT
V3	MILLING 0 - 1 1/2" DEPTH

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

EFF.01-16-2018
REV.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

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

STD.NO.	TITLE
DIVISION 8 - INCIDENTALS	
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
DIVISION 12 - PVMT MARKING, MARKERS AND DELINEATION	
1205.08	Pavement Markings - Symbols & Word Messages

8/17/99
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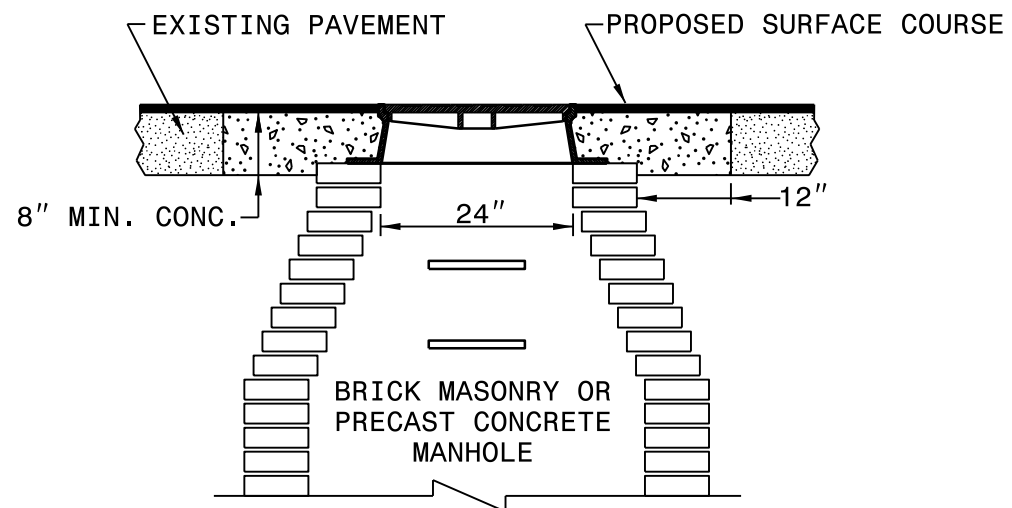
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

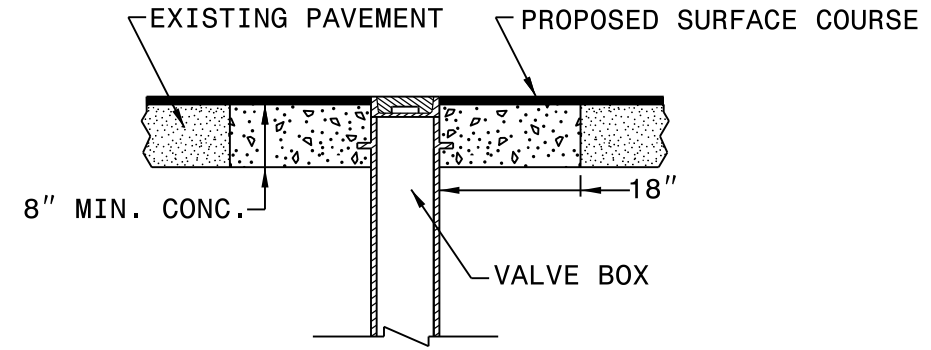
SHEET 1 OF 1
840D55

GENERAL NOTES:

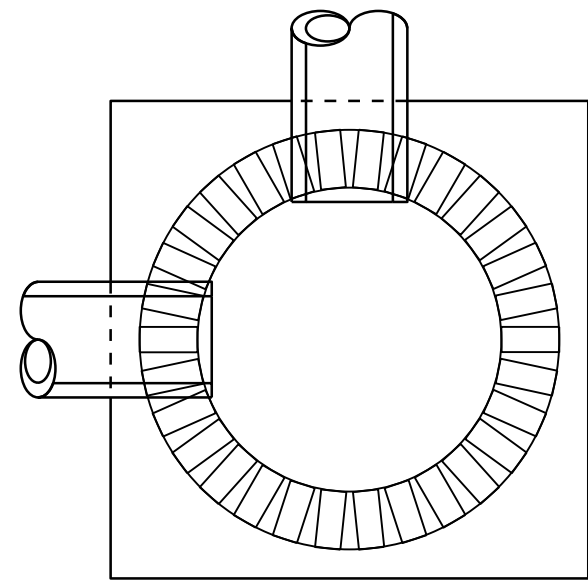
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL 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

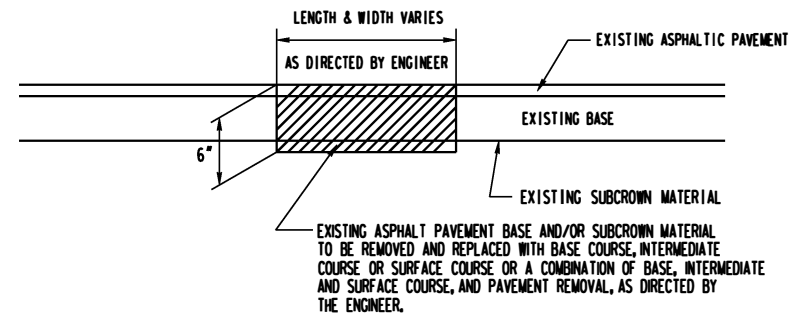
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

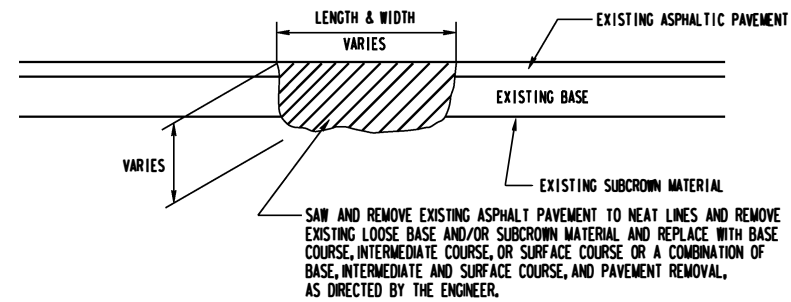
REVISIONS

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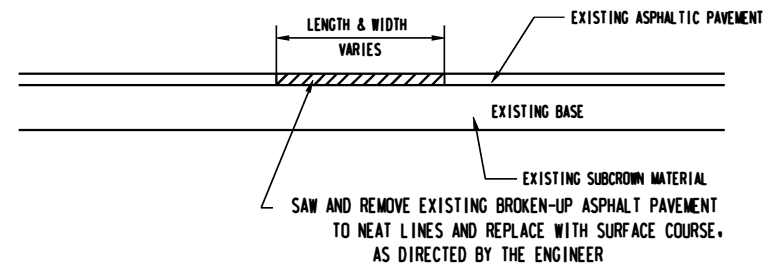
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



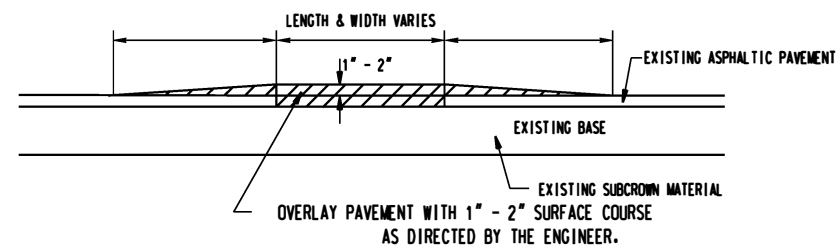
DETAIL NO. 1



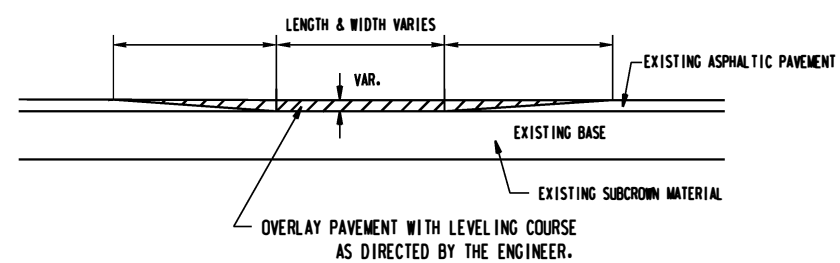
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

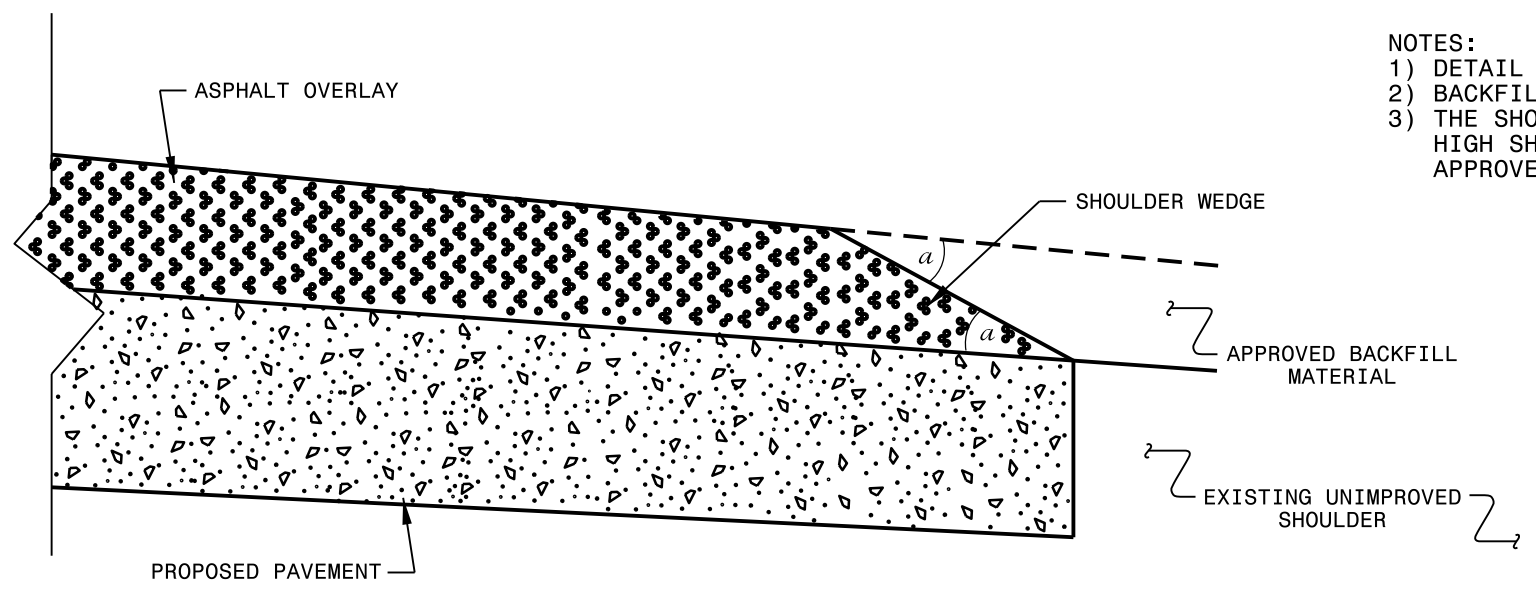


DETAIL NO. 5

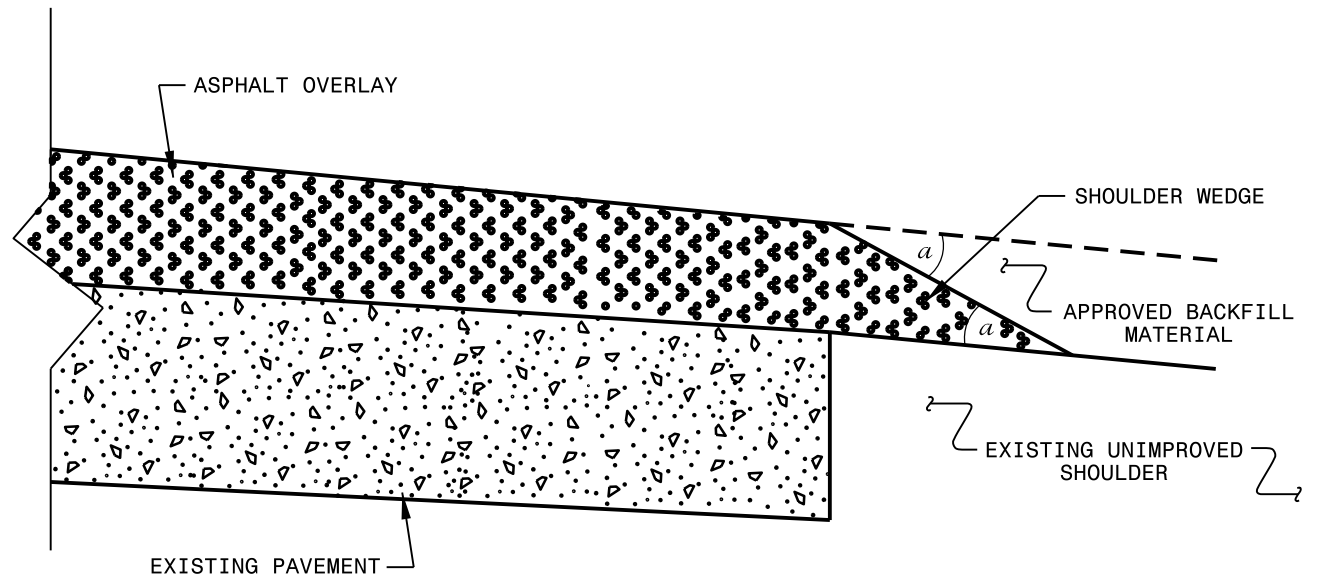
REVISIONS

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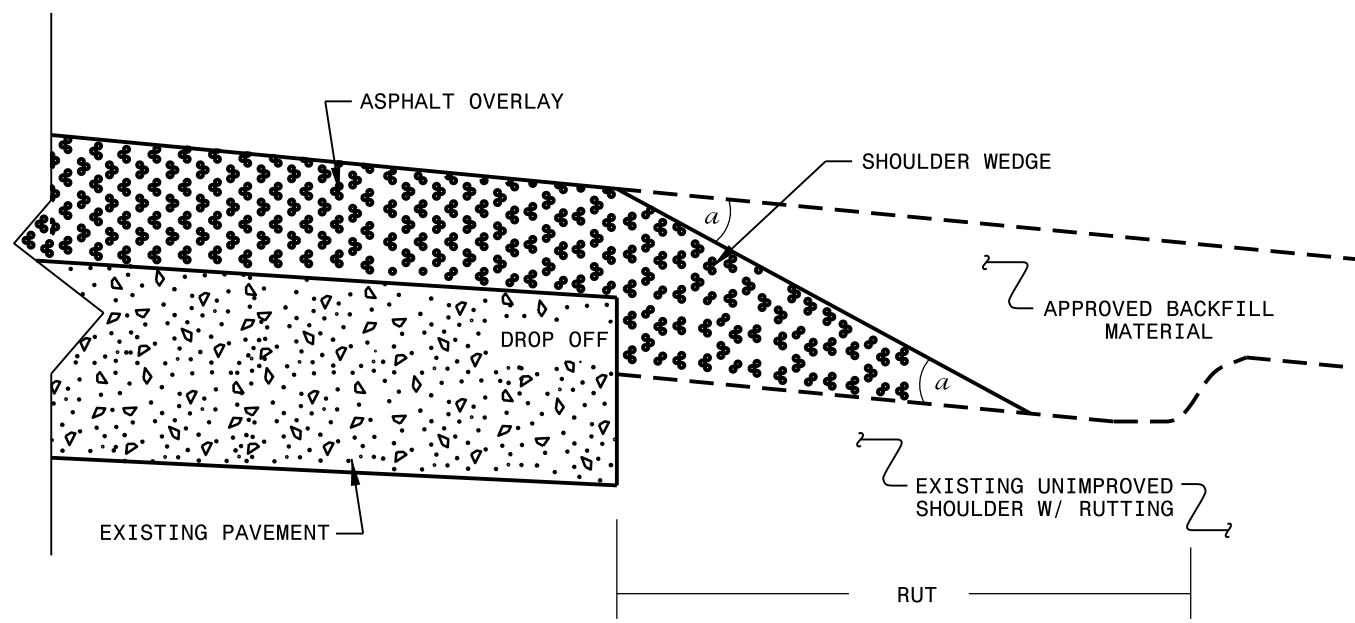
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

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

27 JUN 2018 13:22
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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

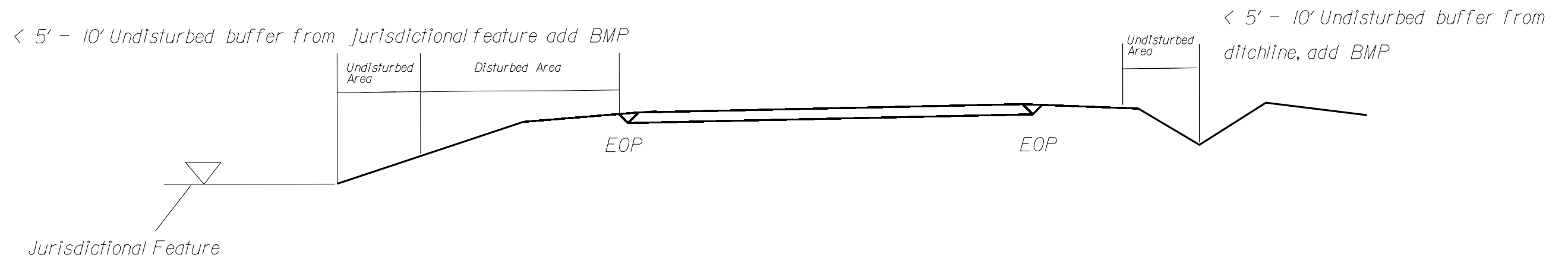
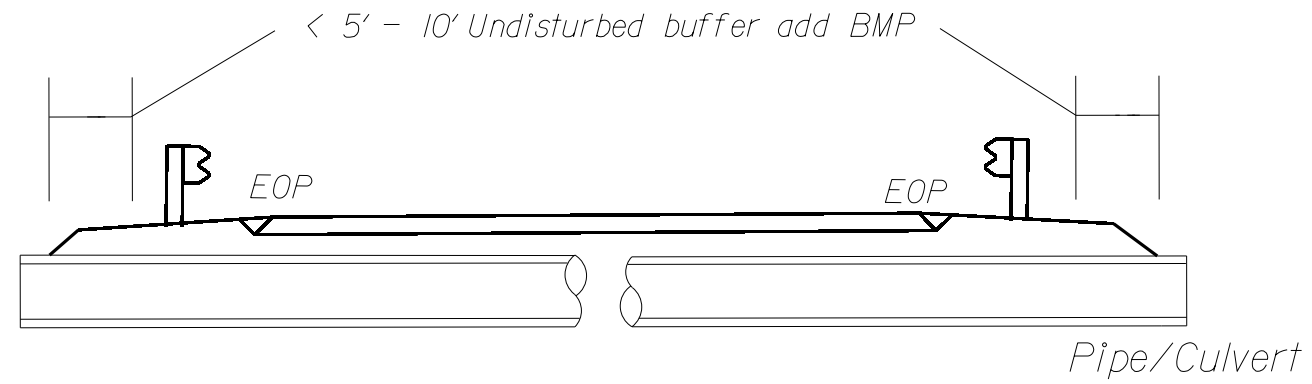
SOIL STABILIZATION TIMEFRAMES

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

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

BMP Options: Wattle or Silt Fence

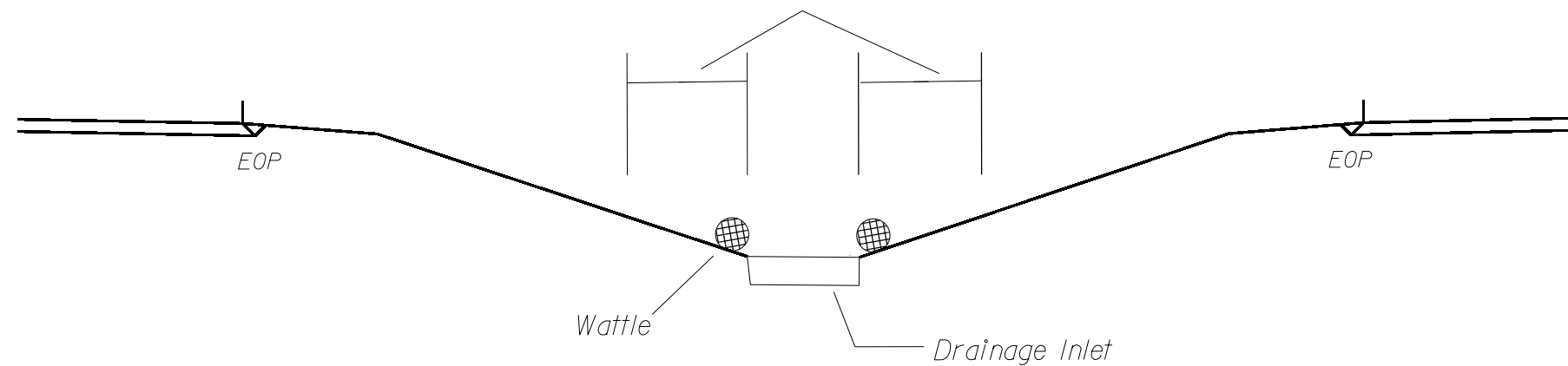
EROSION CONTROL DETAIL



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

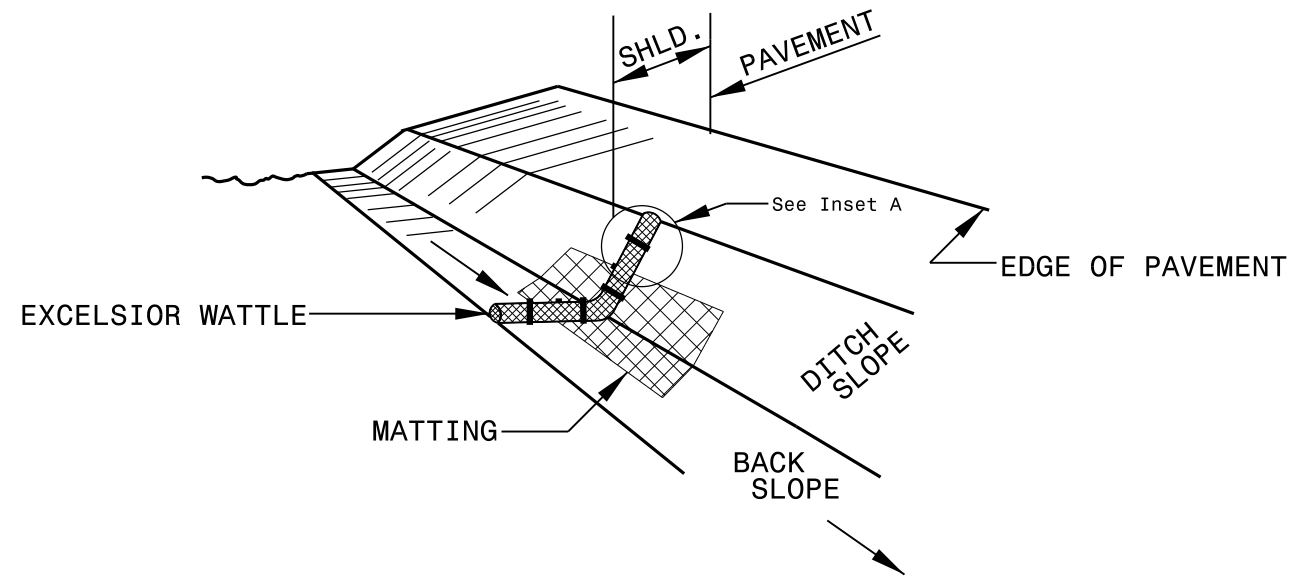


< 5' - 10' Undisturbed buffer from inlet, add wattle

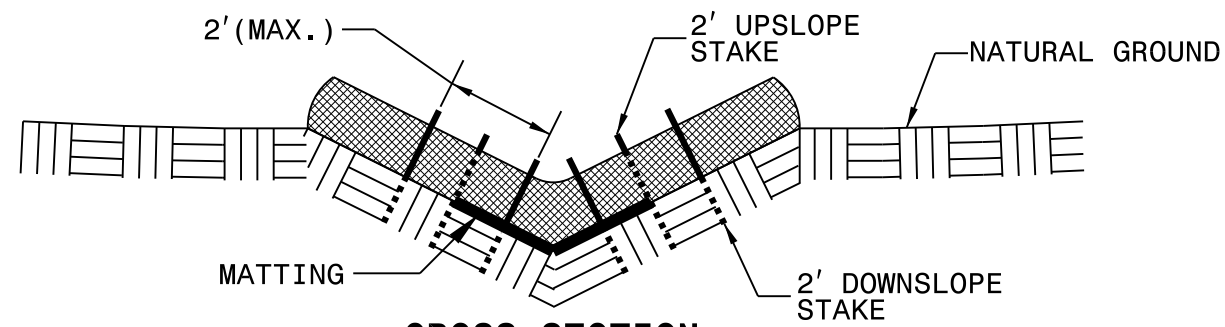


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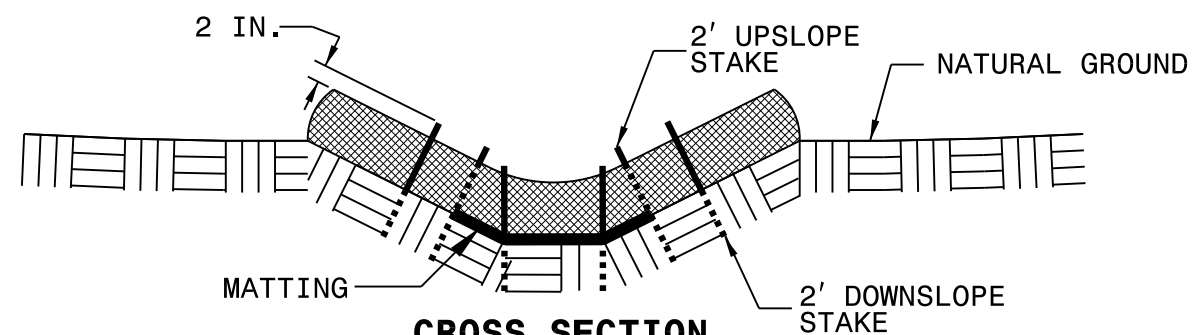
WATTLE DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

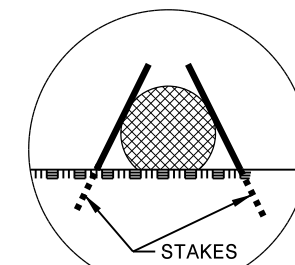
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

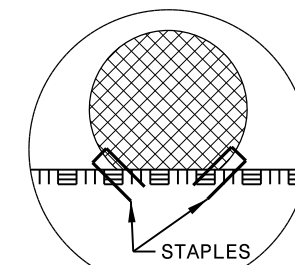
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

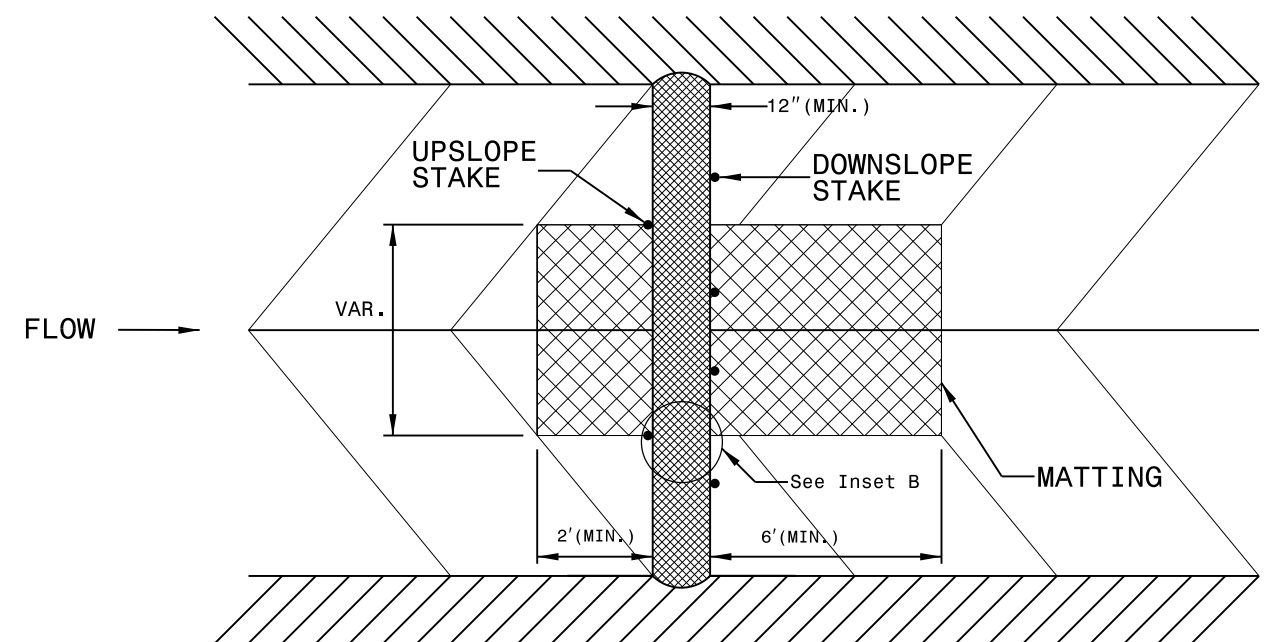
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW

PROJECT NO.	SHEET NO.
2021CPT.03.13.10311, 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	1308000000-E	1330000000-E	1519000000-E	1520000000-E	1575000000-E	1775500000-E	1838000000-E	1880000000-E					
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONST.	2 1/2" MILLING	1" MILLING	0" - 1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5B SHORT OVERLAY	LEVELING COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	ASPHALT SURFACE TREATMENT, MATCOAT, #67 GRANITE	EMULSION FOR ASPHALT SURFACE TREATMENT	PATCHING EXISTING PAVEMENT (MILL) GENERIC	PATCHING EXISTING PAVEMENT (FULL DEPTH) GENERIC		
											MI	FT	CY	TON	SMI	SY	SY	SY	SY	TON	TON	TON	TON	SY	GAL	TON	TON	
2021CPT.03.13.10311	Duplin	1	NC 11 HWY.	FROM SR 1102 (CHARITY RD.) TO 0.17 MILES SOUTH OF NC 903 [MP 8.05 - MP 16.05]	1, 2	2	2WU	NO	NO	8.00	23	1,222	76	16.00	2,699	1,704		555	9,402	150	640	107,947	43,180	50				
TOTAL FOR MAP NO. 1											8.00		1,222	76	16.00	2,699	1,704		555	9,402	150	640	107,947	43,180	50			
2021CPT.03.13.10311	Duplin	2	NC 111 HWY.	FROM ONSLOW COUNTY LINE TO SR 1800 (JACKSON STORE RD.) [MP 0.00 - MP 4.92]	1	2	2WU	NO	NO	4.92	21	752	100	9.84	3,509		511	5,282	160	365	60,614	24,250	100	25				
TOTAL FOR MAP NO. 2											4.92		752	100	9.84	3,509		511	5,282	160	365	60,614	24,250	100	25			
TOTAL FOR PROJ NO. 2021CPT.03.13.10311											12.92		1,974	176	25.84	6,208	1,704		1,066	14,684	310	1,005	168,561	67,430	150	25		
																7,912					14,684					175		
2021CPT.03.13.20311	Duplin	3	SR 1937 (STALLINGS RD.)	FROM 0.08 MILES EAST OF US 117 (US 117 HWY. / N. NORWOOD ST.) TO NC 11 [MP 0.08 - MP 1.68]	3	2	2WU	NO	NO	1.60	20	244	54	3.20			36	1,605		108				123				
TOTAL FOR MAP NO. 3											1.60		244	54	3.20			36	1,605		108			123				
2021CPT.03.13.20311	Duplin	4	SR 1999 (RALEIGH ST.)	FROM SR 1162 (BAY RD.) TO SR 1150 (LODGE ST.) [MP 0.00 - MP 0.37]	4	2	2WU	NO	NO	0.37	20	113	24	0.74			160	633		42				30				
TOTAL FOR MAP NO. 4											0.37		113	24	0.74			160	633		42			30				
2021CPT.03.13.20311	Duplin	5	SR 1939 (CARTER ST. / OLD WILMINGTON RD.)	FROM US 117 SOUTH (NORWOOD ST.) TO NC 11 HWY. [MP 0.00 - MP 0.85]	5	2	2WU	NO	NO	0.85	20 - 31	130	8	1.70		227	72	1,547		104				100				
TOTAL FOR MAP NO. 5											0.85		130	8	1.70		227	72	1,547		104			100				
2021CPT.03.13.20311	Duplin	6	SR 1998 (OLD NC 41 HWY.)	FROM NC 11 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.25]	3	2	2WU	NO	NO	0.25	21 - 50	76	4	0.50		135	136	383		26								
TOTAL FOR MAP NO. 6											0.25		76	4	0.50		135	136	383		26							
2021CPT.03.13.20311	Duplin	7	SR 1172 (JOHN DEERE RD. / NORTH EAST AVE.)	FROM US 117 TO SR 1150 (LODGE ST.) [MP 0.00 - MP 0.99]	3	2	2WU	NO	NO	0.99	20	50	32	1.98			53	1,013	10	69				64				
TOTAL FOR MAP NO. 7											0.99		50	32	1.98			53	1,013	10	69			64				
TOTAL FOR PROJ NO. 2021CPT.03.13.20311											4.06		613	122	8.12			362	457	5,181	10	349			317			
																			5,181					317				
2021CPT.03.13.20312	Duplin	8	SR 1732 (SANDRIDGE RD.)	FROM SR 1705 (TAPP FARM RD.) TO SR 1700 (SARECTA RD.) [MP 0.00 - MP 4.24]	N/A	2	2WU	NO	NO	4.24	20							267		18								
TOTAL FOR MAP NO. 8											4.24									267		18						
2021CPT.03.13.20312	Duplin	9	SR 1368 (NORWOOD EZZELL RD.)	FROM SR 1306 (BEAUTANCUS RD.) TO NC 403 HWY. [MP 0.00 - MP 3.38]	N/A	2	2WU	NO	NO	3.38	18							462		31								
TOTAL FOR MAP NO. 9											3.38									462		31						
2021CPT.03.13.20312	Duplin	10	SR 1354 (TAYLOR TOWN RD.)	FROM SR 1356 (MCNEILL RD.) TO US 117 HWY. [MP 2.40 - MP 4.61]	N/A	2	2WU	NO	NO	2.21	18							585		39								
TOTAL FOR MAP NO. 10											2.21									585		39						
2021CPT.03.13.20312	Duplin	11	SR 1917 (DICKSON RD.)	FROM SR 1915 (SHEFFIELD RD.) TO SR 1911 (BROOKS QUINN RD.) [MP 0.00 - MP 0.41]	N/A	2	2WU	NO	NO	0.41	20							75		5								
TOTAL FOR MAP NO. 11											0.41									75		5						
TOTAL FOR PROJ NO. 2021CPT.03.13.20312											10.24									1,389		93						
																			1,389									
GRAND TOTAL											27.22		2,587	298	33.96	6,208	1,704		362	1,523	19,865	1,389	320	1,447	168,561	67,430	150	342
																7,912					21,254					492		

PROJECT NO.	SHEET NO.
2021CPT.03.13.10311, Etc.	12

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	2591000000-E	2612000000-E	2752000000-E	2759000000-N	2815000000-N	2830000000-N	2845000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E		
												4" CONCRETE SIDEWALK	6" CONCRETE DRIVEWAY	REMOVE & REPLACE 2'-6" CURB & GUTTER (GENERIC)	ADJUSTMENT OF MONUMENTS (GENERIC)	ADJUSTMENT OF DROP INLET	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING		
												MI	FT	SY	SY	LF	EA	EA	EA	EA	LF	TON	TON	ACR	LBS
2021CPT.03.13.10311	Duplin	1	NC 11 HWY.	FROM SR 1102 (CHARITY RD.) TO 0.17 MILES SOUTH OF NC 903 [MP 8.05 - MP 16.05]	1, 2	2	2WU	NO	NO	8.00	23								500	200	200	8.00	400		
TOTAL FOR MAP NO. 1										8.00									500	200	200	8.00	400		
2021CPT.03.13.10311	Duplin	2	NC 111 HWY.	FROM ONSLOW COUNTY LINE TO SR 1800 (JACKSON STORE RD.) [MP 0.00 - MP 4.92]	1	2	2WU	NO	NO	4.92	21								492	120	120	4.92	246		
TOTAL FOR MAP NO. 2										4.92									492	120	120	4.92	246		
TOTAL FOR PROJ NO. 2021CPT.03.13.10311										12.92									992	320	320	12.92	646		
2021CPT.03.13.20311	Duplin	3	SR 1937 (STALLINGS RD.)	FROM 0.08 MILES EAST OF US 117 (US 117 HWY. / N. NORWOOD ST.) TO NC 11 [MP 0.08 - MP 1.68]	3	2	2WU	NO	NO	1.60	20								160	40	40	1.60	80		
TOTAL FOR MAP NO. 3										1.60									160	40	40	1.60	80		
2021CPT.03.13.20311	Duplin	4	SR 1999 (RALEIGH ST.)	FROM SR 1162 (BAY RD.) TO SR 1150 (LODGE ST.) [MP 0.00 - MP 0.37]	4	2	2WU	NO	NO	0.37	20								37	9	9	0.37	19		
TOTAL FOR MAP NO. 4										0.37									37	9	9	0.37	19		
2021CPT.03.13.20311	Duplin	5	SR 1939 (CARTER ST. / OLD WILMINGTON RD.)	FROM US 117 SOUTH (NORWOOD ST.) TO NC 11 HWY. [MP 0.00 - MP 0.85]	5	2	2WU	NO	NO	0.85	20 - 31	11	36	340	1	2	3	3	85	21	21	0.85	43		
TOTAL FOR MAP NO. 5										0.85		11	36	340	1	2	3	3	85	21	21	0.85	43		
2021CPT.03.13.20311	Duplin	6	SR 1998 (OLD NC 41 HWY.)	FROM NC 11 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.25]	3	2	2WU	NO	NO	0.25	21 - 50								25	6	6	0.25	13		
TOTAL FOR MAP NO. 6										0.25									25	6	6	0.25	13		
2021CPT.03.13.20311	Duplin	7	SR 1172 (JOHN DEERE RD. / NORTH EAST AVE.)	FROM US 117 TO SR 1150 (LODGE ST.) [MP 0.00 - MP 0.99]	3	2	2WU	NO	NO	0.99	20								2	100	25	25	0.99	50	
TOTAL FOR MAP NO. 7										0.99									2	100	25	25	0.99	50	
TOTAL FOR PROJ NO. 2021CPT.03.13.20311										4.06		11	36	340	1	2	3	5	407	101	101	4.06	205		
2021CPT.03.13.20312	Duplin	8	SR 1732 (SANDRIDGE RD.)	FROM SR 1705 (TAPP FARM RD.) TO SR 1700 (SARECTA RD.) [MP 0.00 - MP 4.24]	N/A	2	2WU	NO	NO	4.24	20														
TOTAL FOR MAP NO. 8										4.24															
2021CPT.03.13.20312	Duplin	9	SR 1368 (NORWOOD EZZELL RD.)	FROM SR 1306 (BEAUTANCUS RD.) TO NC 403 HWY. [MP 0.00 - MP 3.38]	N/A	2	2WU	NO	NO	3.38	18														
TOTAL FOR MAP NO. 9										3.38															
2021CPT.03.13.20312	Duplin	10	SR 1354 (TAYLOR TOWN RD.)	FROM SR 1356 (MCNEILL RD.) TO US 117 HWY. [MP 2.40 - MP 4.61]	N/A	2	2WU	NO	NO	2.21	18														
TOTAL FOR MAP NO. 10										2.21															
2021CPT.03.13.20312	Duplin	11	SR 1917 (DICKSON RD.)	FROM SR 1915 (SHEFFIELD RD.) TO SR 1911 (BROOKS QUINN RD.) [MP 0.00 - MP 0.41]	N/A	2	2WU	NO	NO	0.41	20														
TOTAL FOR MAP NO. 11										0.41															
TOTAL FOR PROJ NO. 2021CPT.03.13.20312										10.24															
GRAND TOTAL										27.22		11	36	340	1	2	3	5	1,399	421	421	16.98	851		

PROJECT NO.	SHEET NO.
2021CPT.03.13.10311, 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	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N
												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	SY	LF	LF	AC	LB	TON	EA
2021CPT.03.13.10311	Duplin	1	NC 11 HWY.	FROM SR 1102 (CHARITY RD.) TO 0.17 MILES SOUTH OF NC 903 [MP 8.05 - MP 16.05]	1, 2	2	2WU	NO	NO	8.00	23	2.00	50	200	120	7.75	400	2.00	10
TOTAL FOR MAP NO. 1										8.00		2.00	50	200	120	7.75	400	2.00	10
2021CPT.03.13.10311	Duplin	2	NC 111 HWY.	FROM ONSLOW COUNTY LINE TO SR 1800 (JACKSON STORE RD.) [MP 0.00 - MP 4.92]	1	2	2WU	NO	NO	4.92	21	1.23	43	251	80	4.77	246	1.23	6
TOTAL FOR MAP NO. 2										4.92		1.23	43	251	80	4.77	246	1.23	6
TOTAL FOR PROJ NO. 2021CPT.03.13.10311										12.92		3.23	93	451	200	12.52	646	3.23	16
2021CPT.03.13.20311	Duplin	3	SR 1937 (STALLINGS RD.)	FROM 0.08 MILES EAST OF US 117 (US 117 HWY. / N. NORWOOD ST.) TO NC 11 [MP 0.08 - MP 1.68]	3	2	2WU	NO	NO	1.60	20	0.40	20	80	30	1.55	80	0.40	2
TOTAL FOR MAP NO. 3										1.60		0.40	20	80	30	1.55	80	0.40	2
2021CPT.03.13.20311	Duplin	4	SR 1999 (RALEIGH ST.)	FROM SR 1162 (BAY RD.) TO SR 1150 (LODGE ST.) [MP 0.00 - MP 0.37]	4	2	2WU	NO	NO	0.37	20	0.09	10	19	20	0.27	19	0.09	2
TOTAL FOR MAP NO. 4										0.37		0.09	10	19	20	0.27	19	0.09	2
2021CPT.03.13.20311	Duplin	5	SR 1939 (CARTER ST. / OLD WILMINGTON RD.)	FROM US 117 SOUTH (NORWOOD ST.) TO NC 11 HWY. [MP 0.00 - MP 0.85]	5	2	2WU	NO	NO	0.85	20 - 31	0.21	10	43	20	0.62	43	0.21	2
TOTAL FOR MAP NO. 5										0.85		0.21	10	43	20	0.62	43	0.21	2
2021CPT.03.13.20311	Duplin	6	SR 1998 (OLD NC 41 HWY.)	FROM NC 11 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.25]	3	2	2WU	NO	NO	0.25	21 - 50	0.06	10	24	20	0.18	13	0.06	2
TOTAL FOR MAP NO. 6										0.25		0.06	10	24	20	0.18	13	0.06	2
2021CPT.03.13.20311	Duplin	7	SR 1172 (JOHN DEERE RD. / NORTH EAST AVE.)	FROM US 117 TO SR 1150 (LODGE ST.) [MP 0.00 - MP 0.99]	3	2	2WU	NO	NO	0.99	20	0.25	10	50	20	0.72	50	0.25	2
TOTAL FOR MAP NO. 7										0.99		0.25	10	50	20	0.72	50	0.25	2
TOTAL FOR PROJ NO. 2021CPT.03.13.20311										4.06		1.01	60	216	110	3.34	205	1.01	10
2021CPT.03.13.20312	Duplin	8	SR 1732 (SANDRIDGE RD.)	FROM SR 1705 (TAPP FARM RD.) TO SR 1700 (SARECTA RD.) [MP 0.00 - MP 4.24]	N/A	2	2WU	NO	NO	4.24	20								
TOTAL FOR MAP NO. 8										4.24									
2021CPT.03.13.20312	Duplin	9	SR 1368 (NORWOOD EZZELL RD.)	FROM SR 1306 (BEAUTANCUS RD.) TO NC 403 HWY. [MP 0.00 - MP 3.38]	N/A	2	2WU	NO	NO	3.38	18								
TOTAL FOR MAP NO. 9										3.38									
2021CPT.03.13.20312	Duplin	10	SR 1354 (TAYLOR TOWN RD.)	FROM SR 1356 (MCNEILL RD.) TO US 117 HWY. [MP 2.40 - MP 4.61]	N/A	2	2WU	NO	NO	2.21	18								
TOTAL FOR MAP NO. 10										2.21									
2021CPT.03.13.20312	Duplin	11	SR 1917 (DICKSON RD.)	FROM SR 1915 (SHEFFIELD RD.) TO SR 1911 (BROOKS QUINN RD.) [MP 0.00 - MP 0.41]	N/A	2	2WU	NO	NO	0.41	20								
TOTAL FOR MAP NO. 11										0.41									
TOTAL FOR PROJ NO. 2021CPT.03.13.20312										10.24									
GRAND TOTAL										27.22		4.24	153	667	310	15.86	851	4.24	26

PROJECT NO.	SHEET NO.
2021CPT.03.13.10311, Etc.	14

THERMOPLASTIC AND PAINT QUANTITIES

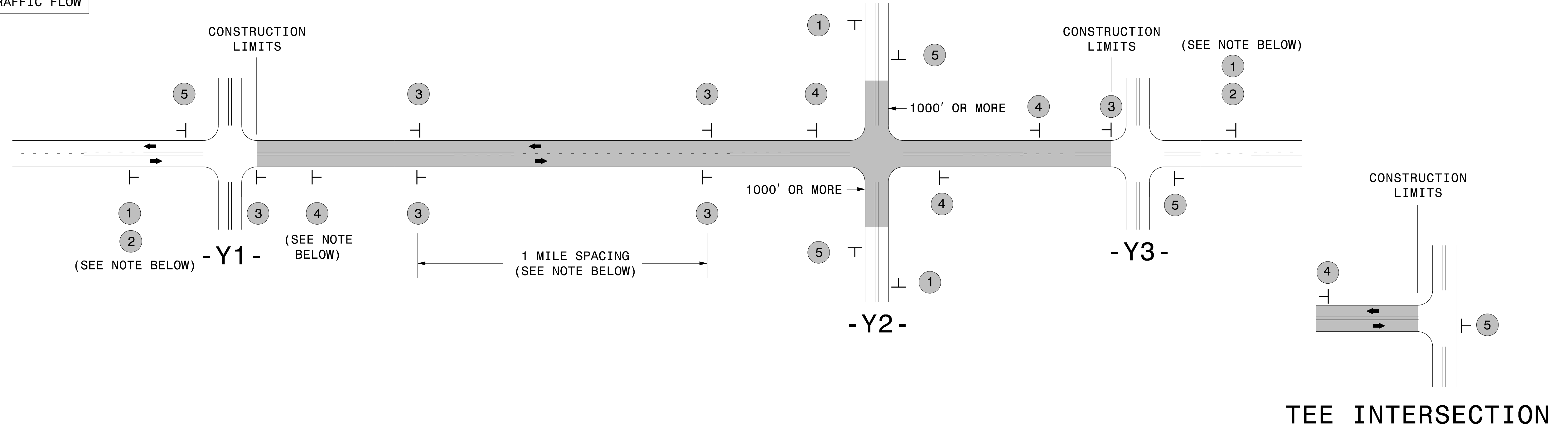
PROJECT NO	COUNT	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	441300000-E	445700000-N	468500000-E		481000000-E		483500000-E	484000000-N	489100000-E	490000000-N	490500000-N			
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" WHITE PAINT	4" YELLOW PAINT	24" WHITE PAINT	PAINT MSG SCHOOL	24" X 90 M WHITE THERMO	YELLOW & YELLOW MARKERS	SNOW PLOWABLE MARKERS (Y/Y)			
									MI	FT	SF	LS	LF	LF	LF	LF	EA	LF	EA	EA			
2021CPT.03.13.10311	Duplin	1	NC 11 HWY.	FROM SR 1102 (CHARITY RD.) TO 0.17 MILES SOUTH OF NC 903 [MP 8.05 - MP 16.05]	1, 2	2	2WU	8.00	23	896	0.29	86,080	42,150							533			
TOTAL FOR MAP NO. 1									8.00		896	0.29	86,080	42,150						533			
2021CPT.03.13.10311	Duplin	2	NC 111 HWY.	FROM ONSLOW COUNTY LINE TO SR 1800 (JACKSON STORE RD.) [MP 0.00 - MP 4.92]	1	2	2WU	4.92	21	560	0.18	52,939	33,955					60		284			
TOTAL FOR MAP NO. 2									4.92		560	0.18	52,939	33,955				60		284			
TOTAL FOR PROJ NO. 2021CPT.03.13.10311									12.92		1,456	0.47	139,019	76,105				60		817			
											215,124												
2021CPT.03.13.20311	Duplin	3	SR 1937 (STALLINGS RD.)	FROM 0.08 MILES EAST OF US 117 (US 117 HWY. / N. NORWOOD ST.) TO NC 11 [MP 0.08 - MP 1.68]	3	2	2WU	1.60	20		0.06			33,792	22,294					108			
TOTAL FOR MAP NO. 3									1.60			0.06			33,792	22,294				108			
2021CPT.03.13.20311	Duplin	4	SR 1999 (RALEIGH ST.)	FROM SR 1162 (BAY RD.) TO SR 1150 (LODGE ST.) [MP 0.00 - MP 0.37]	4	2	2WU	0.37	20		0.02			7,814	7,814	100	12			25			
TOTAL FOR MAP NO. 4									0.37			0.02			7,814	7,814	100	12		25			
2021CPT.03.13.20311	Duplin	5	SR 1939 (CARTER ST. / OLD WILMINGTON RD.)	FROM US 117 SOUTH (NORWOOD ST.) TO NC 11 HWY. [MP 0.00 - MP 0.85]	5	2	2WU	0.85	20 - 31		0.03			17,741	17,741					56			
TOTAL FOR MAP NO. 5									0.85			0.03			17,741	17,741				56			
2021CPT.03.13.20311	Duplin	6	SR 1998 (OLD NC 41 HWY.)	FROM NC 11 HWY. TO NC 41 HWY. [MP 0.00 - MP 0.25]	3	2	2WU	0.25	21 - 50		0.01			4,824	3,485					40			
TOTAL FOR MAP NO. 6									0.25			0.01			4,824	3,485				40			
2021CPT.03.13.20311	Duplin	7	SR 1172 (JOHN DEERE RD. / NORTH EAST AVE.)	FROM US 117 TO SR 1150 (LODGE ST.) [MP 0.00 - MP 0.99]	3	2	2WU	0.99	20		0.04			20,864	20,864					66			
TOTAL FOR MAP NO. 7									0.99			0.04			20,864	20,864				66			
TOTAL FOR PROJ NO. 2021CPT.03.13.20311									4.06			0.16			85,035	72,198	100	12		295			
											157,233												
2021CPT.03.13.20312	Duplin	8	SR 1732 (SANDRIDGE RD.)	FROM SR 1705 (TAPP FARM RD.) TO SR 1700 (SARECTA RD.) [MP 0.00 - MP 4.24]	N/A	2	2WU	4.24	20	480	0.15												
TOTAL FOR MAP NO. 8									4.24		480	0.15											
2021CPT.03.13.20312	Duplin	9	SR 1368 (NORWOOD EZZELL RD.)	FROM SR 1306 (BEAUTANCUS RD.) TO NC 403 HWY. [MP 0.00 - MP 3.38]	N/A	2	2WU	3.38	18	384	0.12												
TOTAL FOR MAP NO. 9									3.38		384	0.12											
2021CPT.03.13.20312	Duplin	10	SR 1354 (TAYLOR TOWN RD.)	FROM SR 1356 (MCNEILL RD.) TO US 117 HWY. [MP 2.40 - MP 4.61]	N/A	2	2WU	2.21	18	256	0.08												
TOTAL FOR MAP NO. 10									2.21		256	0.08											
2021CPT.03.13.20312	Duplin	11	SR 1917 (DICKSON RD.)	FROM SR 1915 (SHEFFIELD RD.) TO SR 1911 (BROOKS QUINN RD.) [MP 0.00 - MP 0.41]	N/A	2	2WU	0.41	20		0.02												
TOTAL FOR MAP NO. 11									0.41			0.02											
TOTAL FOR PROJ NO. 2021CPT.03.13.20312									10.24		1,120	0.37											
GRAND TOTAL											27.22		2,576	1.00	139,019	76,105	85,035	72,198	100	12	60	295	817
											215,124		157,233										

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

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

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

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

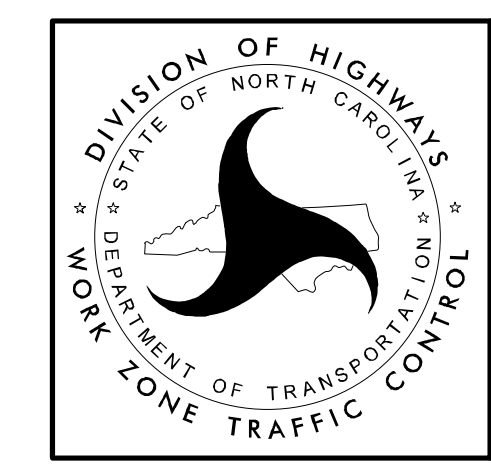
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

 <small>W20-1 48" X 48"</small> PLACED 500' IN ADVANCE OF FLAGGER.	 <small>W20-7 A 48" X 48"</small> PLACED 250' IN ADVANCE OF FLAGGER.
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THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.

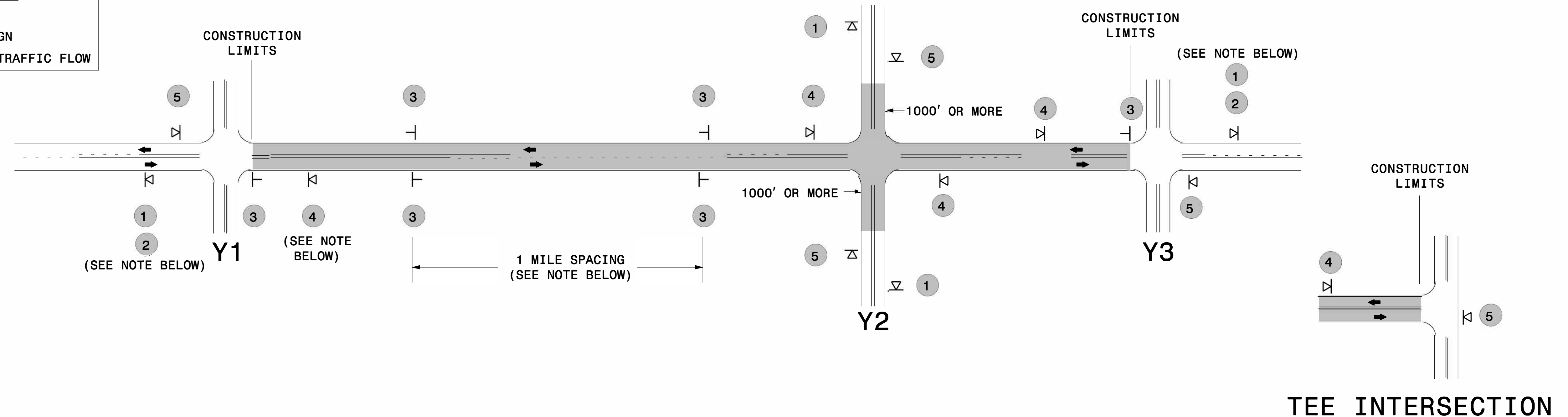


ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

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



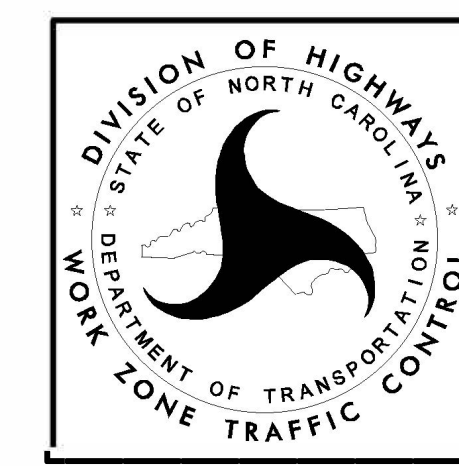
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

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

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