

# 2

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902		
F.A. PROJECT NO.			

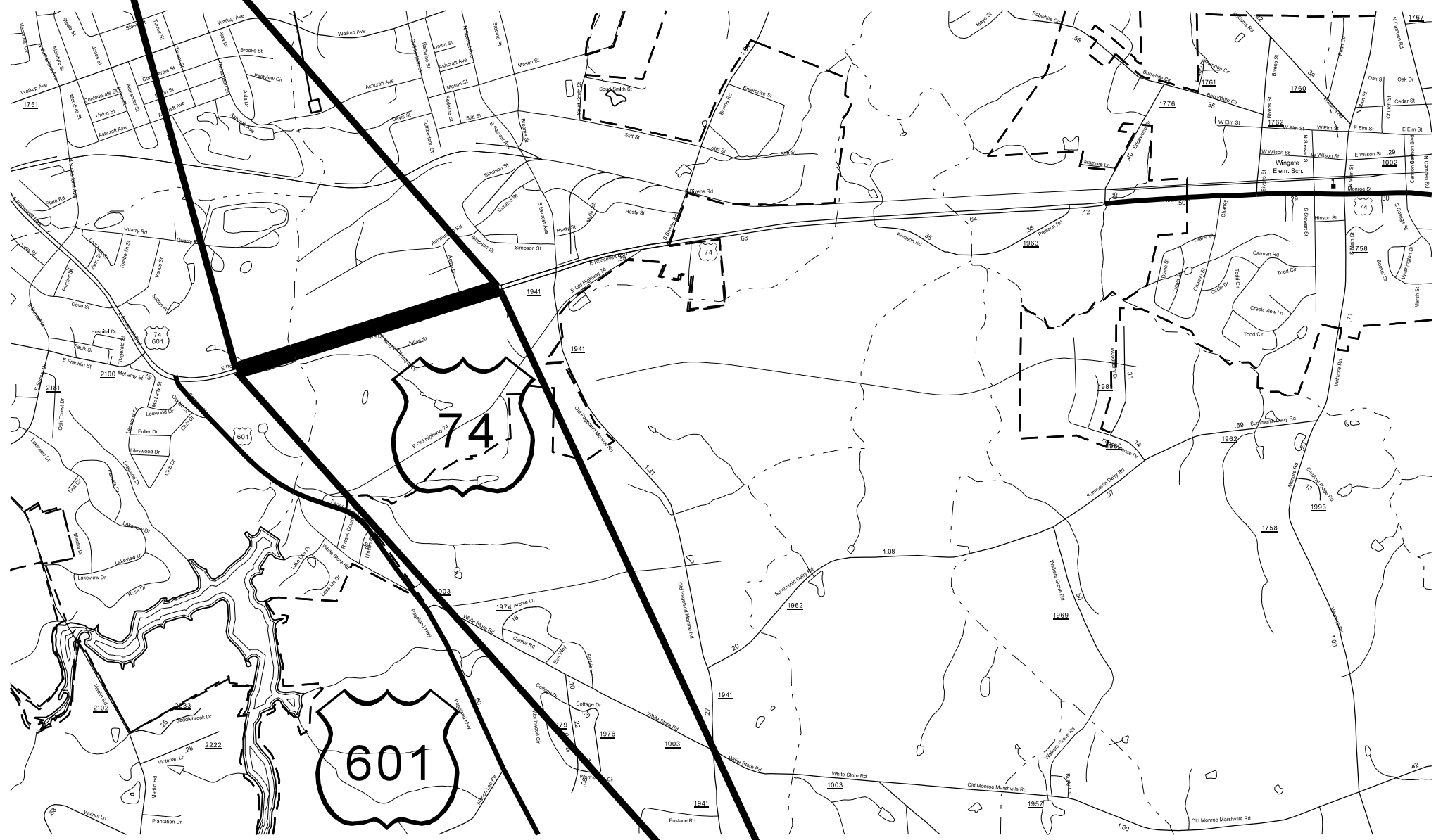


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
 NORTH CAROLINA

PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

**MAP #1 US 74 EAST**  
 0.96 MILES  
 FROM PAVEMENT JOINT 900 FT EAST  
 OF US74/US601 INTERSECTION  
 TO PAVEMENT JOINT 1000 FT WEST  
 OF US 74/SR 1941 OLD PAGELAND-MONROE ROAD

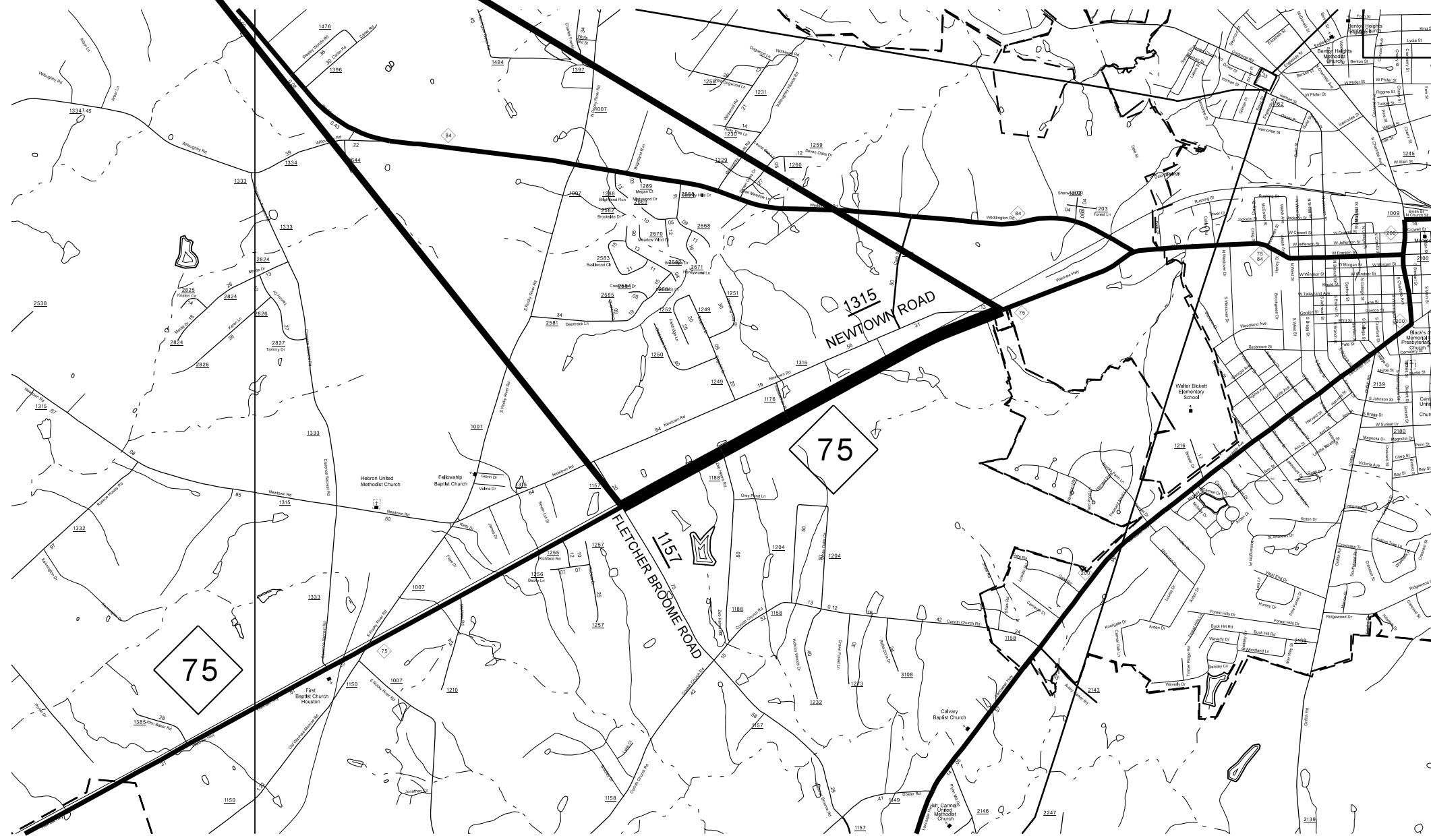
**MAP #2 US 74 WEST**  
 0.91 MILES  
 FROM 1000 FT WEST OF  
 US74/SR 1941 OLD PAGELAND-MONROE ROAD  
 TO PAVEMENT JOINT 900 FT EAST  
 OF US74/US601 INTERSECTION



# 1

# 3

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	2	
F.A. PROJECT NO.			



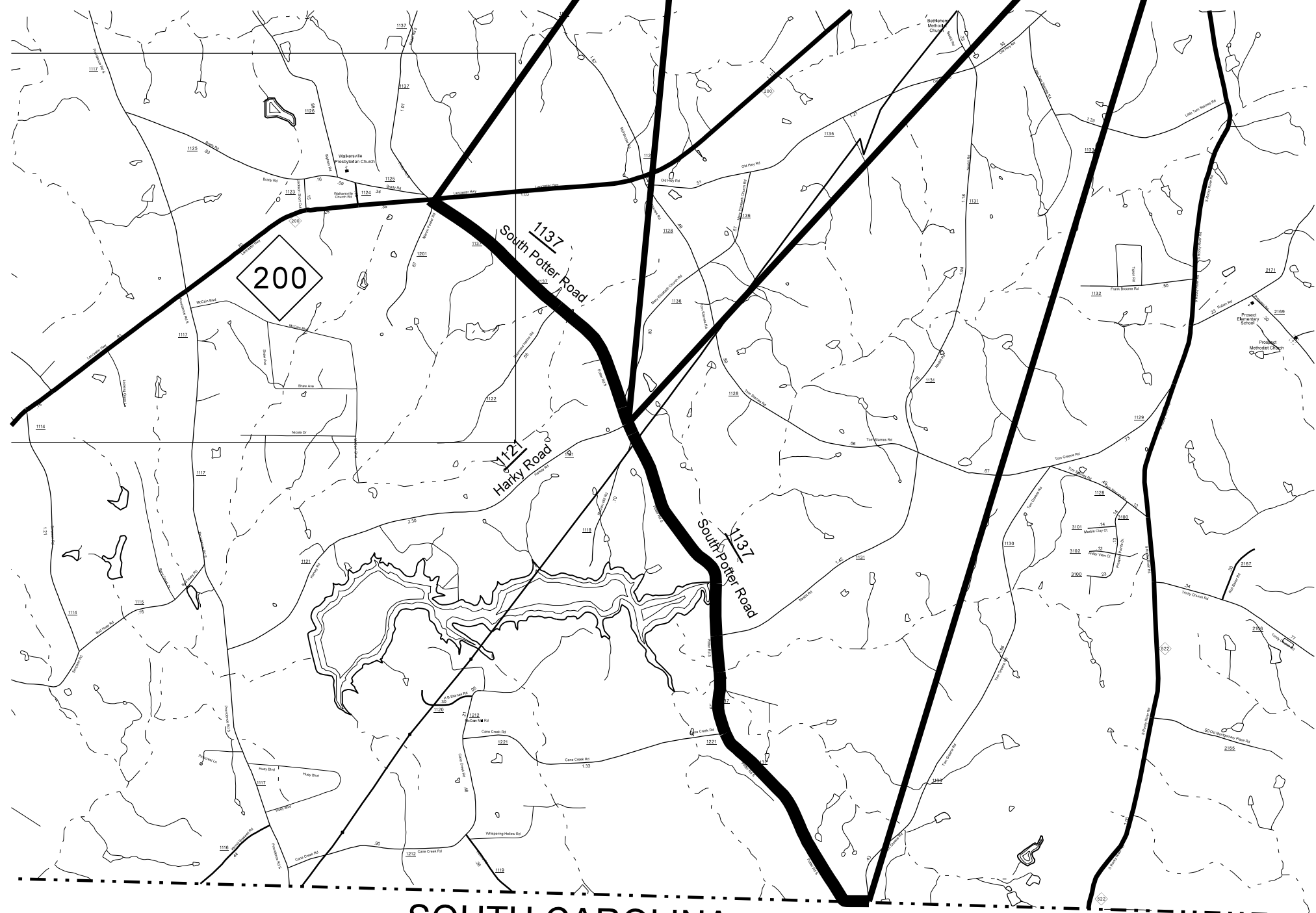
ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
NORTH CAROLINA  
PREPARED BY THE  
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DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

**MAP #3 NC 75**  
**1.84 MILES**  
**FROM SR 1157 FLETCHER BROOME ROAD**  
**TO SR 1315 NEWTOWN ROAD**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	3	
F.A. PROJECT NO.			

#5

#4



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
 NORTH CAROLINA  
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**MAP #4 SR 1137 SOUTH POTTER ROAD**  
 2.78 MILES  
 FROM SOUTH CAROLINA STATE LINE  
 TO SR 1121 HARKY ROAD

**MAP #5 SR 1137 SOUTH POTTER ROAD**  
 1.48 MILES  
 FROM SR 1121 HARKY ROAD  
 TO NC 200

SOUTH CAROLINA

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	4	
F.A. PROJECT NO.			

# 7



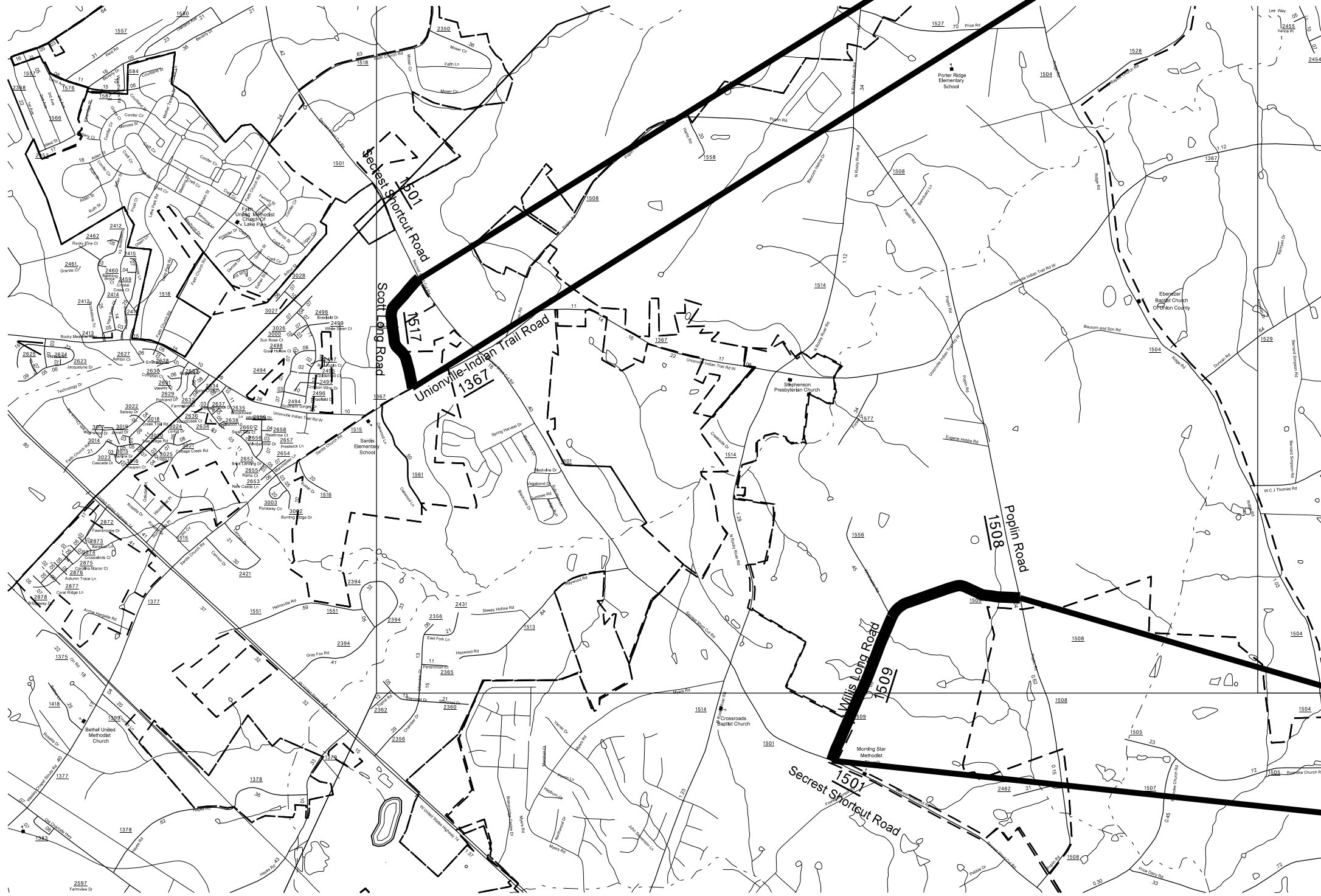
ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
 NORTH CAROLINA

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 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #6 SR 1509 WILLIS LONG ROAD  
 1.24 MILES  
 FROM SR 1501 SECREST SHORTCUT ROAD  
 TO SR 1508 POPLIN ROAD

MAP #7 SR 1517 SCOTT LONG ROAD  
 0.52 MILES  
 FROM SR 1367 UNIONVILLE-INDIAN TRAIL ROAD  
 TO SR 1501 SECREST SHORTCUT ROAD

# 6





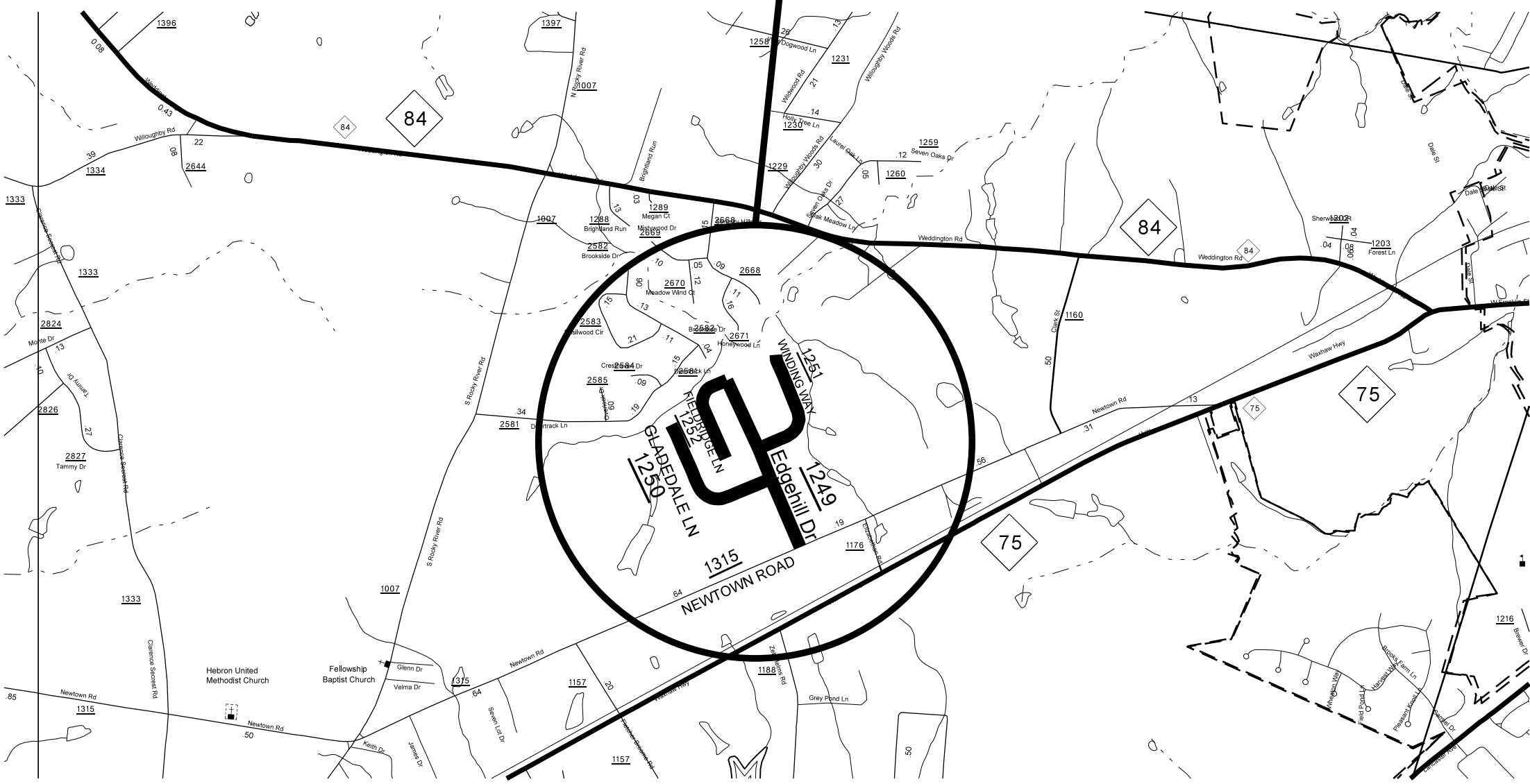
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	5	
F.A. PROJECT NO.			

# 8 - 11



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
 NORTH CAROLINA

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**MAP #8 SR 1249 EDGEHILL DRIVE**  
 0.51 MILES  
 FROM SR 1315 NEWTOWN ROAD  
 TO END OF MAINTENANCE

**Map #9 SR 1250 GLADEDALE LANE**  
 0.39 MILES  
 FROM SR 1249 EDGEHILL DRIVE  
 TO END OF MAINTENANCE

**MAP #10 SR 1251 WINDING WAY**  
 0.32 MILES  
 FROM SR 1249 EDGEHILL DRIVE  
 TO END OF MAINTENANCE

**MAP #11 SR 1252 FIELDRIDGE LANE**  
 0.26 MILES  
 FROM SR 1249 EDGEHILL DRIVE  
 TO END OF MAINTENANCE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	6	
F.A. PROJECT NO.			

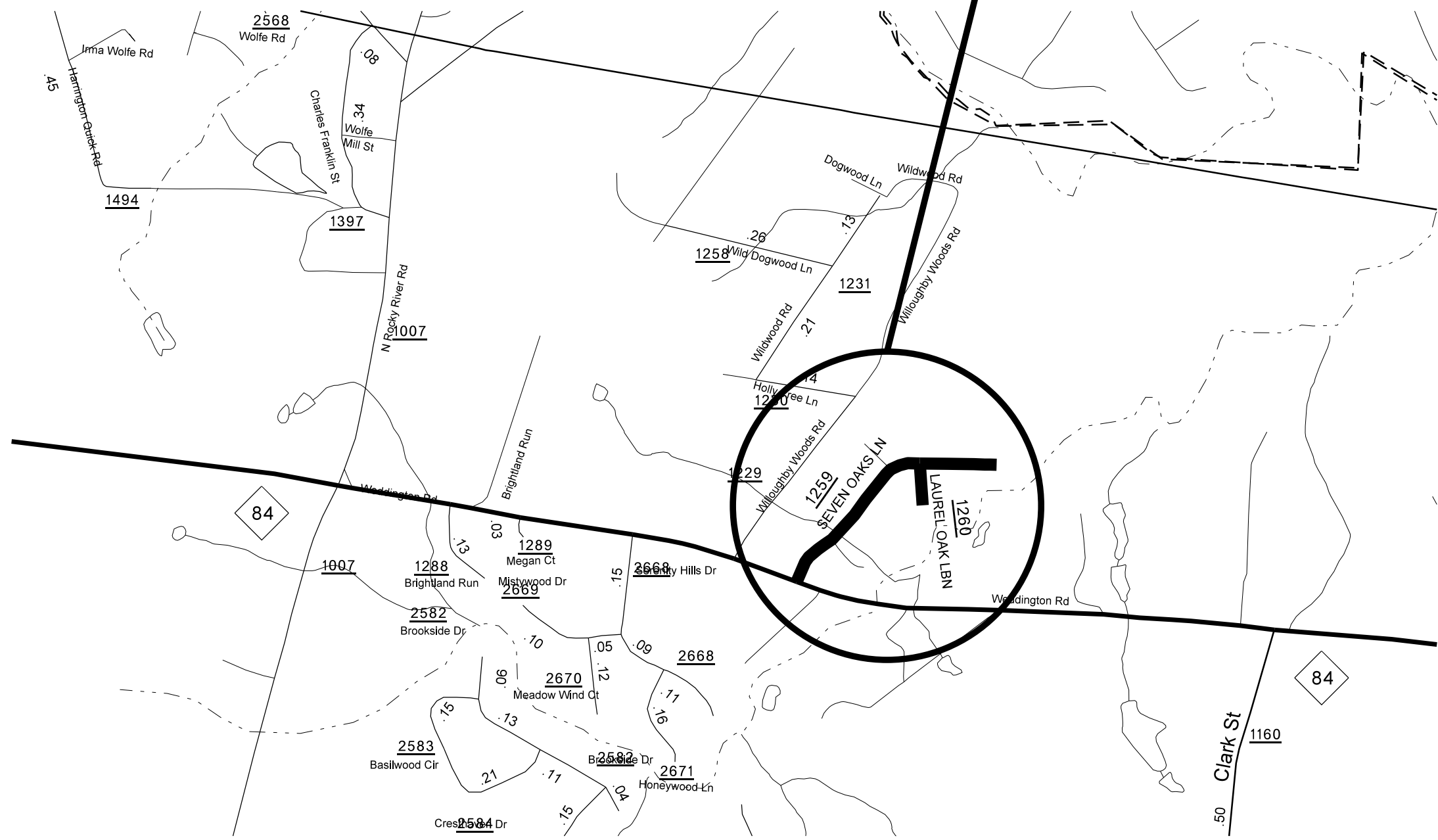
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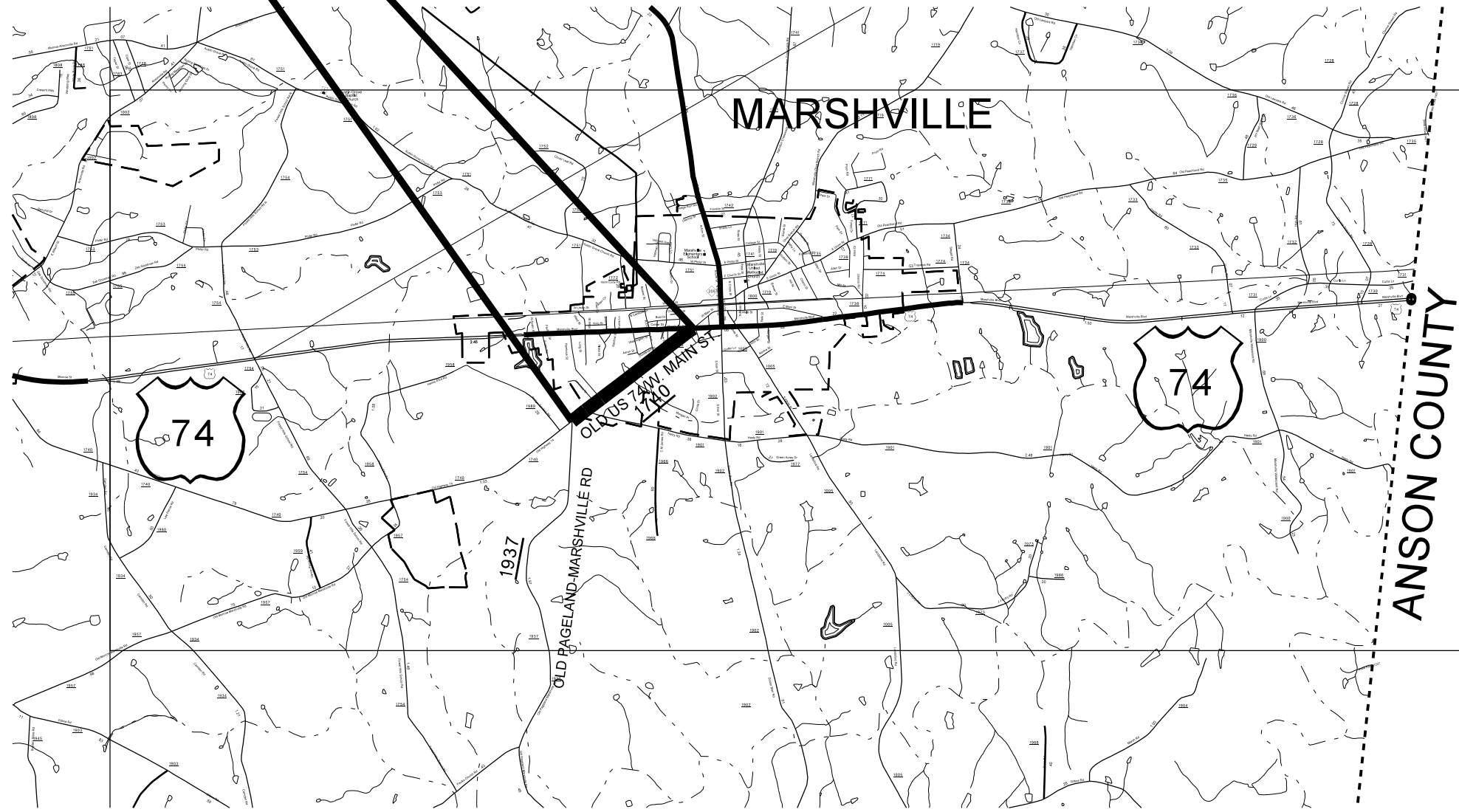
ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
 NORTH CAROLINA  
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MAP #12 SR 1259 SEVEN OAKS LANE  
 0.39 MILES  
 FROM NC 84  
 TO END OF MAINTENANCE

MAP #13 SR 1260 LAUREL OAK LANE  
 0.06 MILES  
 FROM SR 1259 SEVEN OAKS LANE  
 TO END OF MAINTENANCE



#14



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	7	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

# UNION COUNTY

NORTH CAROLINA

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DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #14 SR 1740 OLD US 74/W. MAIN STREET  
0.84 MILES  
FROM US 74 TO  
SR 1937 OLD PAGELAND-MARSHVILLE ROAD

#15-17

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	8	
F.A. PROJECT NO.			

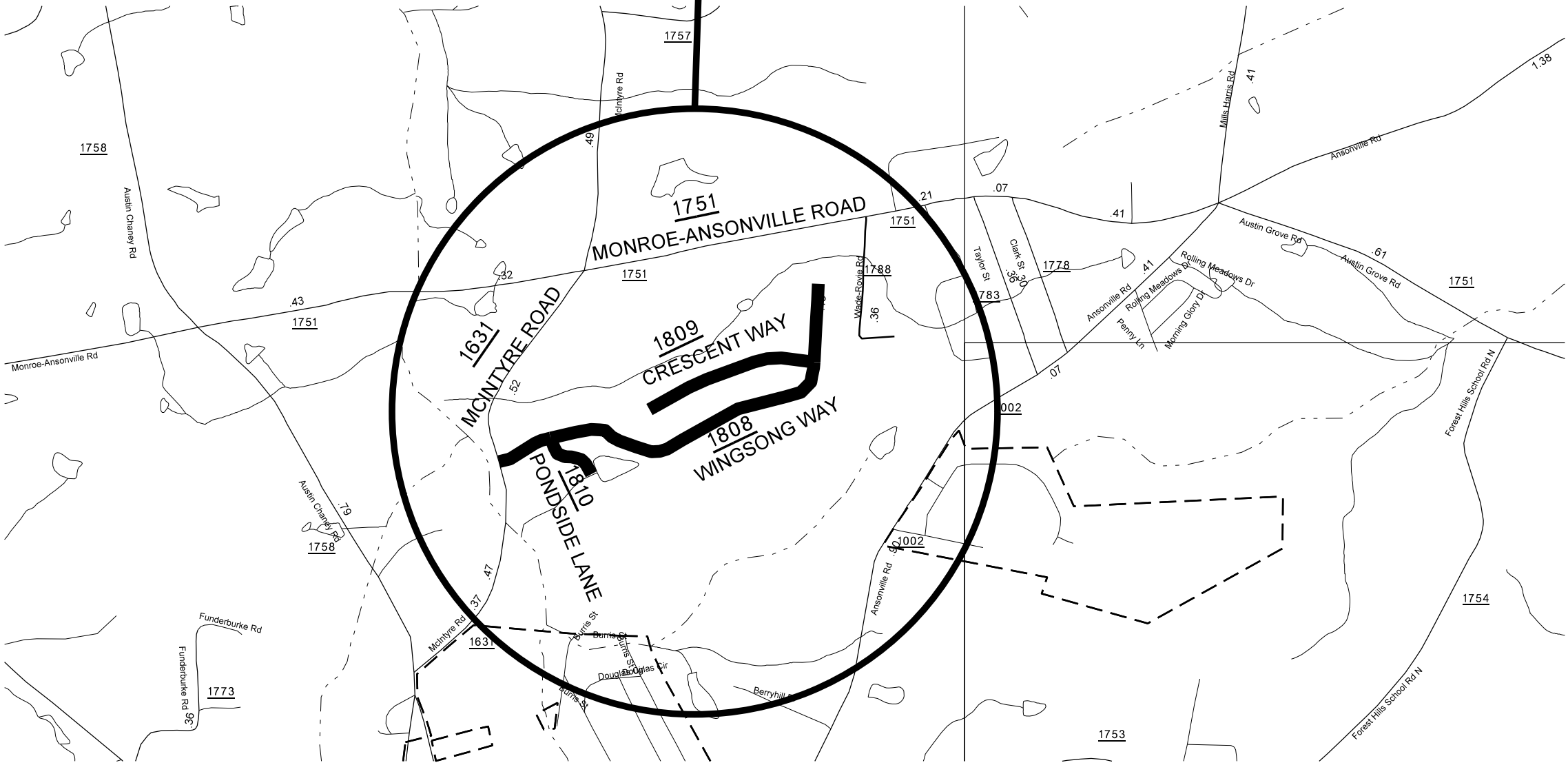


ENLARGED MUNICIPAL AND SUBURBAN AREAS

# UNION COUNTY

NORTH CAROLINA

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**MAP #15 SR 1808 WINGSONG WAY**  
0.97 MILES  
FROM SR 1631 MCINTRYE ROAD  
TO END OF MAINTENANCE

**Map #16 SR 1809 CRESCENT WAY**  
0.33 MILES  
FROM SR 1808 WINGSONG WAY  
TO END OF MAINTENANCE

**MAP #17 SR 1810 PONDSIDE LANE**  
0.08 MILES  
FROM SR 1808 WINGSONG WAY  
TO END OF MAINTENANCE

#18

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	9	
F.A. PROJECT NO.			

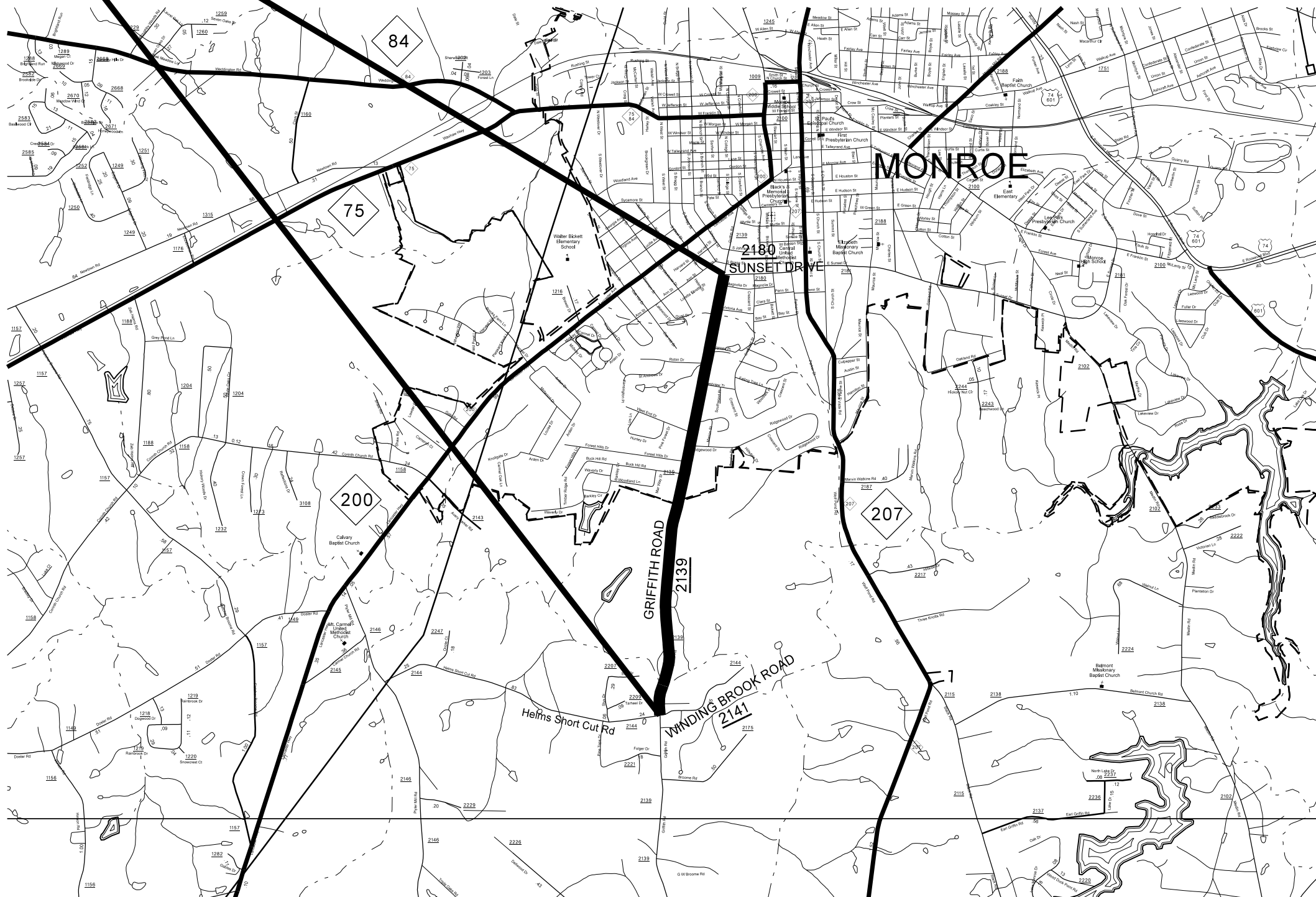


ENLARGED MUNICIPAL AND SUBURBAN AREAS

# UNION COUNTY

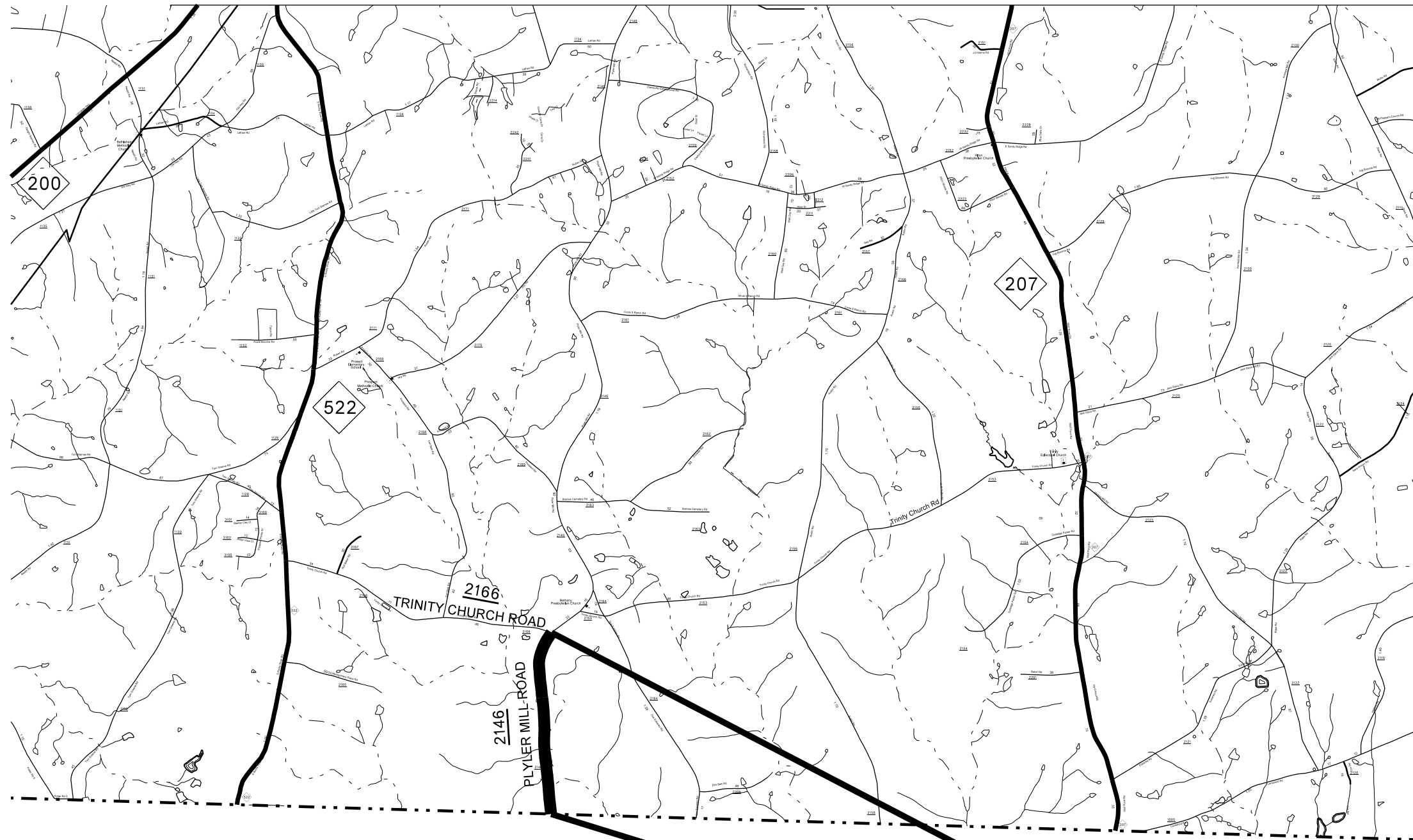
NORTH CAROLINA

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DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3



**MAP #18 SR 2139 GRIFFITH ROAD**  
**2.07 MILES**  
**FROM SR 2141 WINDING BROOK ROAD**  
**TO SR 2180 SUNSET DRIVE**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	10	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

# UNION COUNTY

NORTH CAROLINA

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**MAP #19 SR 2146 PLYLER MILL ROAD  
1.18 MILES  
FROM SR 2166 TRINITY CHURCH ROAD  
TO SOUTH CAROLINA STATE LINE**

SOUTH CAROLINA

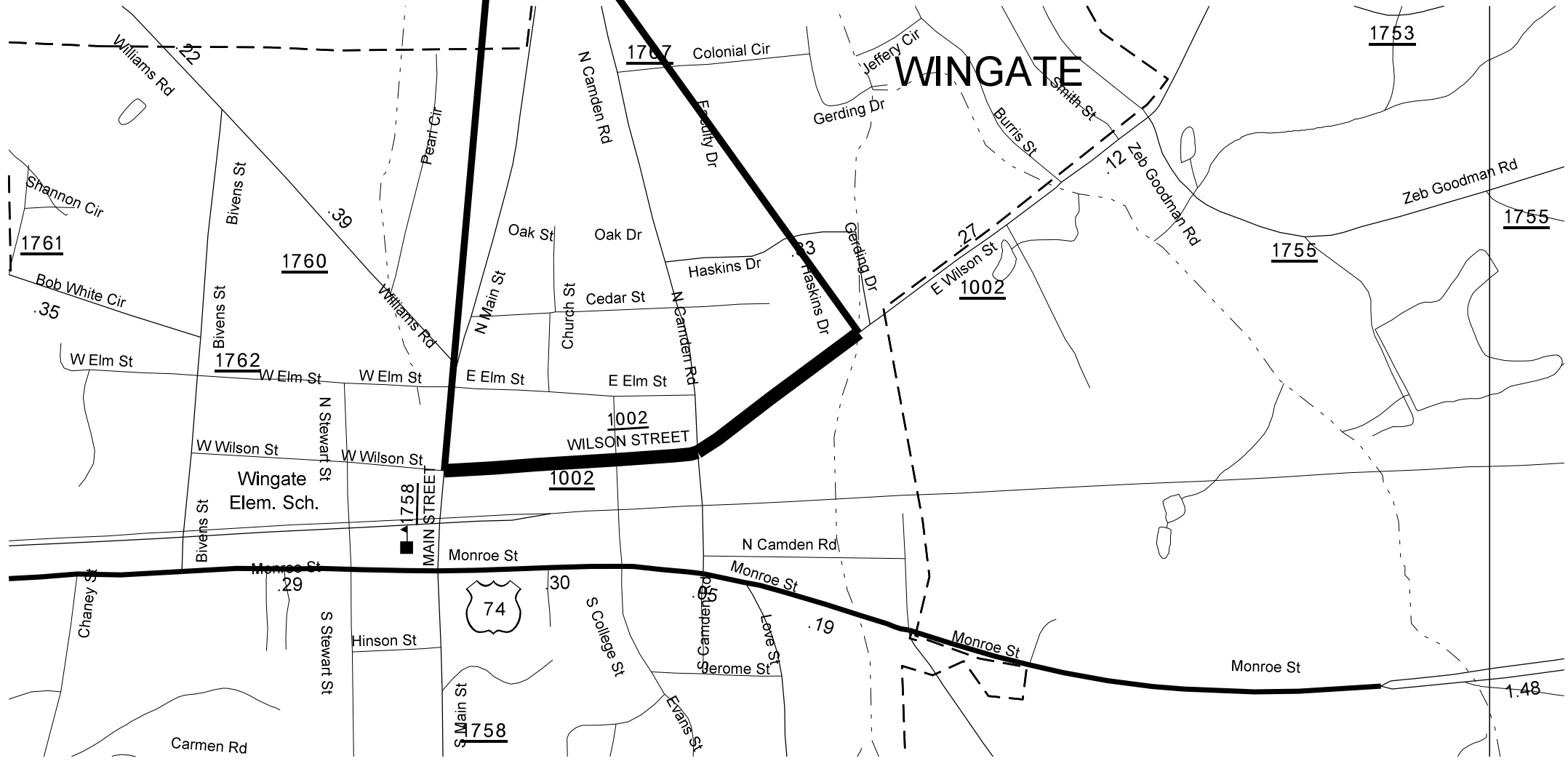
#19

#20

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902		
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
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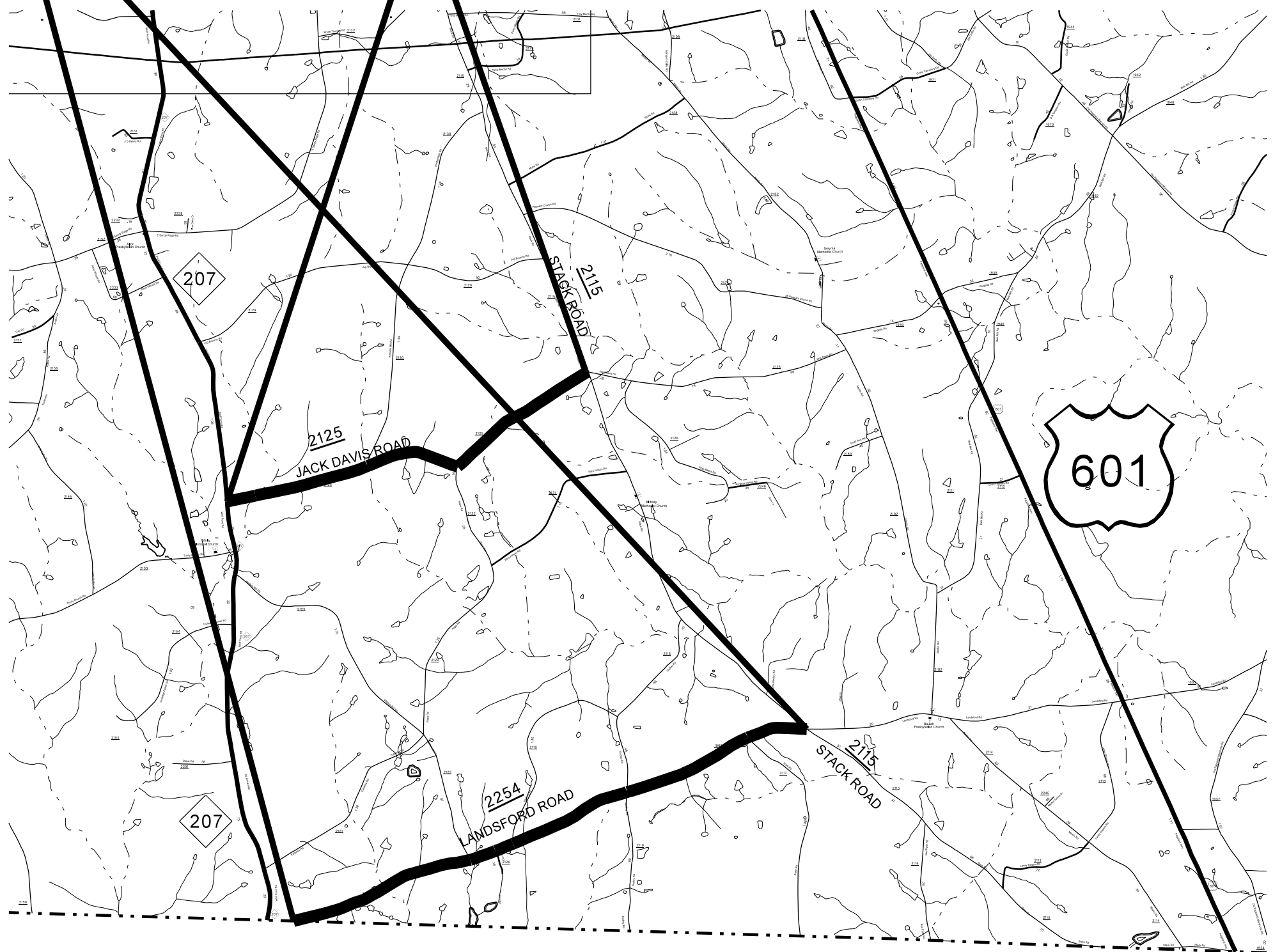


**MAP #20 SR 1002 WILSON STREET**  
**0.78 MILES**  
**FROM SR 1758 MAIN STREET**  
**TO BRIDGE AT WINGATE CITY LIMITS**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	12	
F.A. PROJECT NO.			

# 21

# 22



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
 NORTH CAROLINA  
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MAP #21 SR 2254 LANDSFORD ROAD  
 3.58 MILES  
 FROM SOUTH CAROLINA LINE  
 TO SR 2115 STACK ROAD

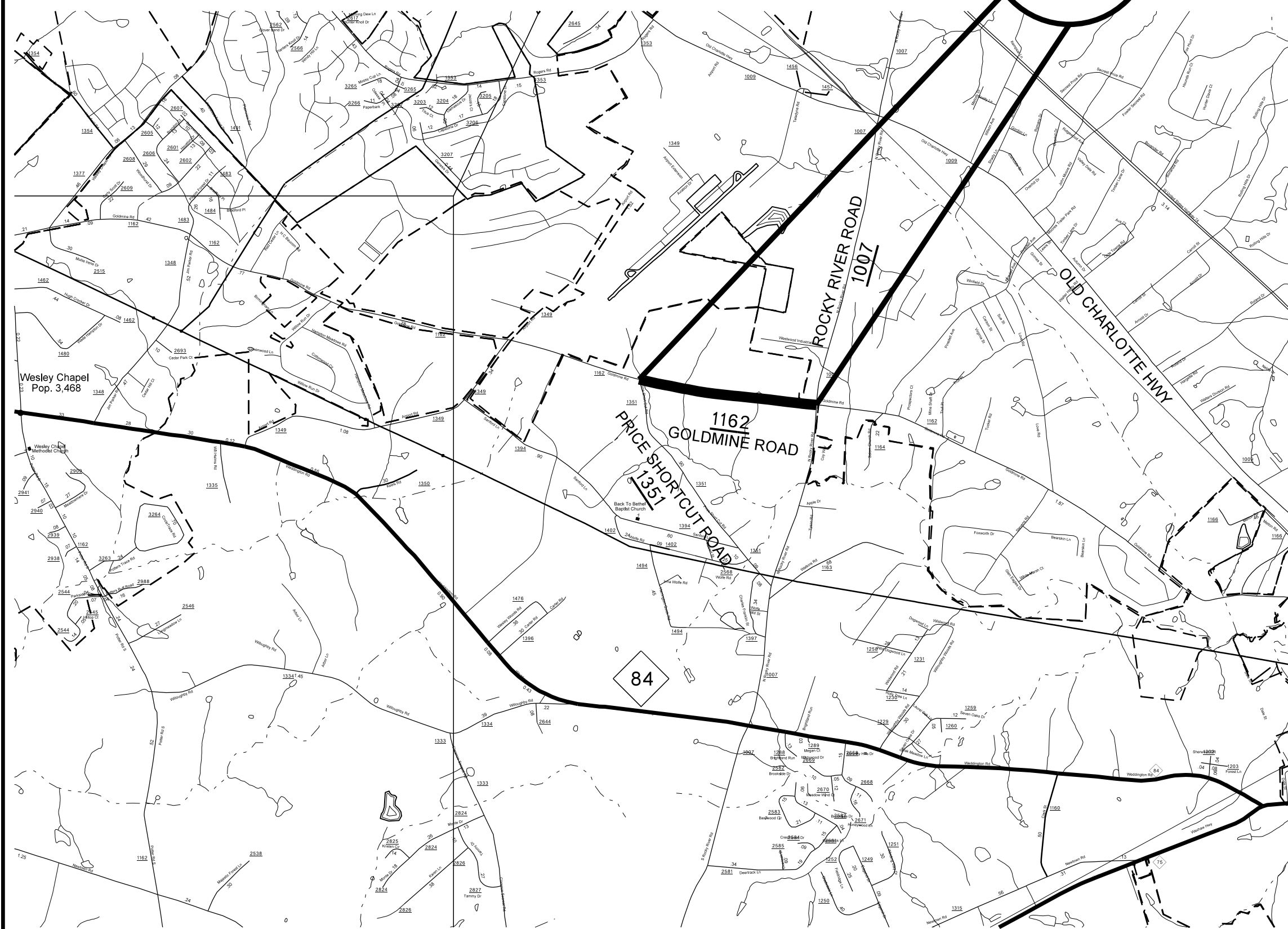
MAP #22 SR 2125 JACK DAVIS ROAD  
 2.8 MILES  
 FROM SR 2122 RAPE ROAD  
 TO SR 2114 MEDLIN ROAD

SOUTH CAROLINA



#23

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	13	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**UNION COUNTY**  
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**MAP #23 SR 1162 GOLDMINE ROAD**  
0.69 MILES  
FROM SR 1007 ROCKY RIVER ROAD  
TO PVMT JT APPROX. 600 FT FROM  
SR 1351 PRICE SHORTCUT ROAD

Wesley Chapel  
Pop. 3,468

84



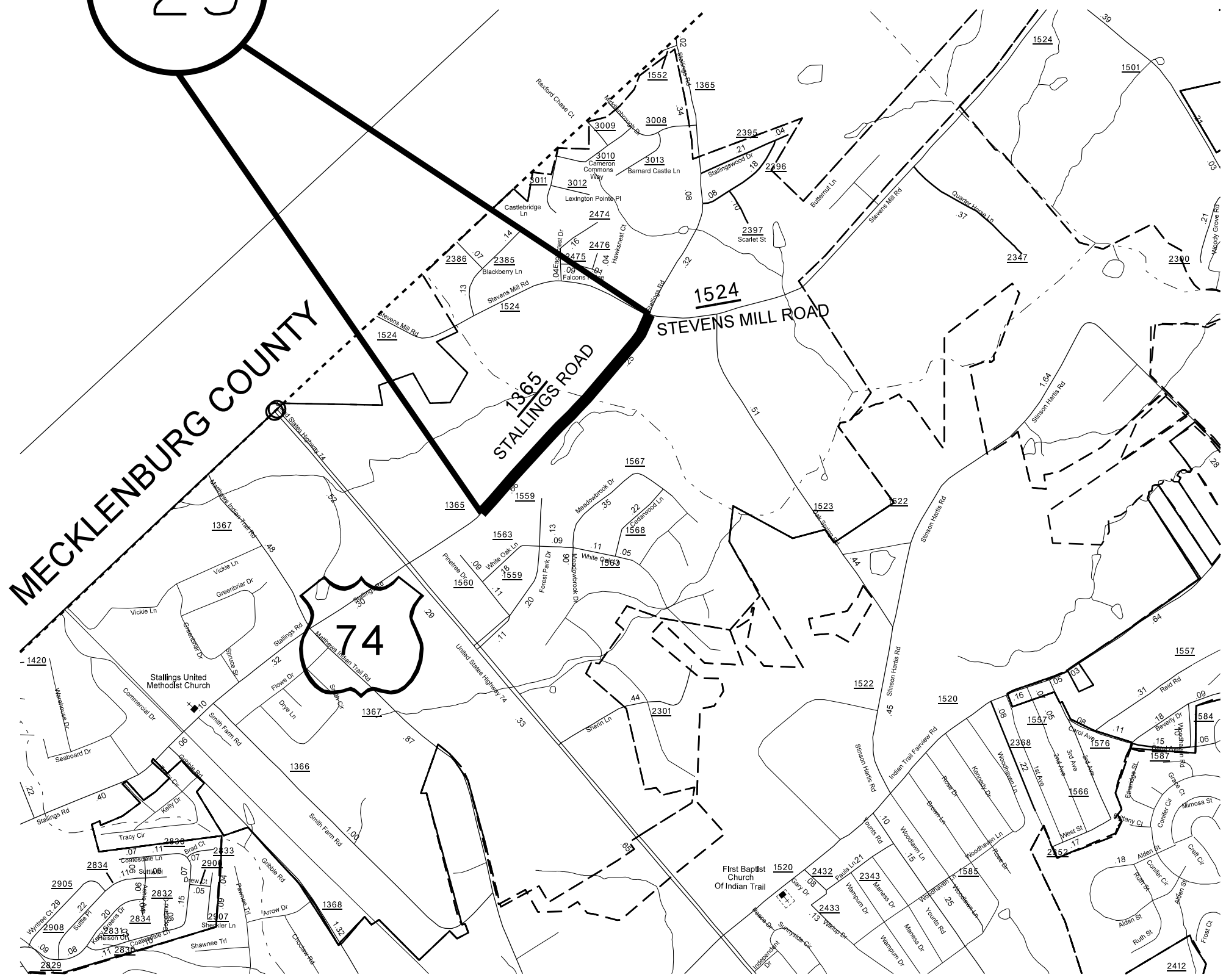
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STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	15	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS  
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 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #25 SR 1365 STALLINGS ROAD  
 0.64 MILES  
 FROM US 74 BYPASS LIMITS TO  
 SR 1524 STEVENS MILL ROAD

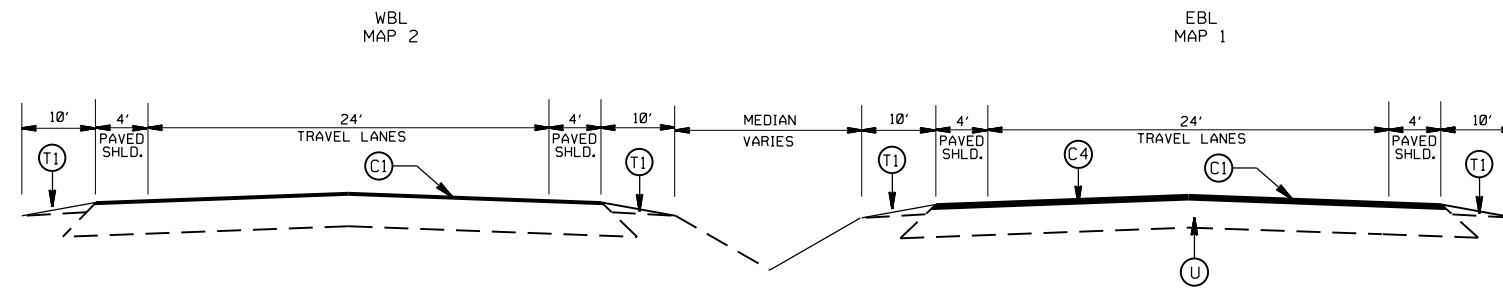




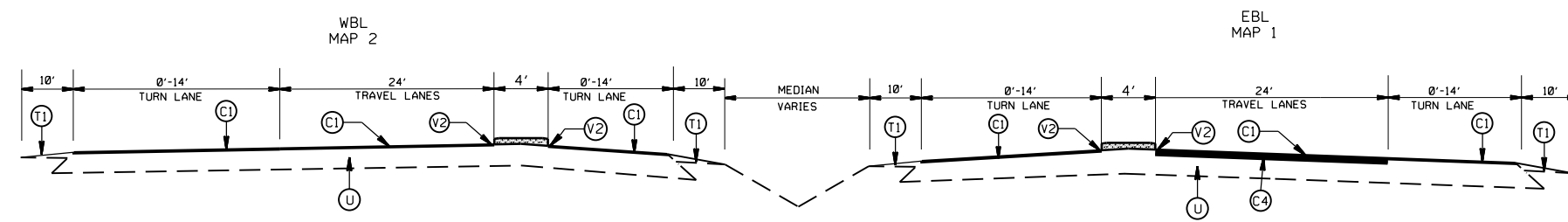
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	17	
F.A. PROJECT NO.			

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	AST MAT COAT # 67
(C5)	AST MAT COAT # 78M
(C6)	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL. (SEE S. P. FOR AGGREGATE TYPE.)
(D1)	PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROPOSED 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
(V3)	MILLING 0'-1.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
(Z)	FULL DEPTH RECLAMATION




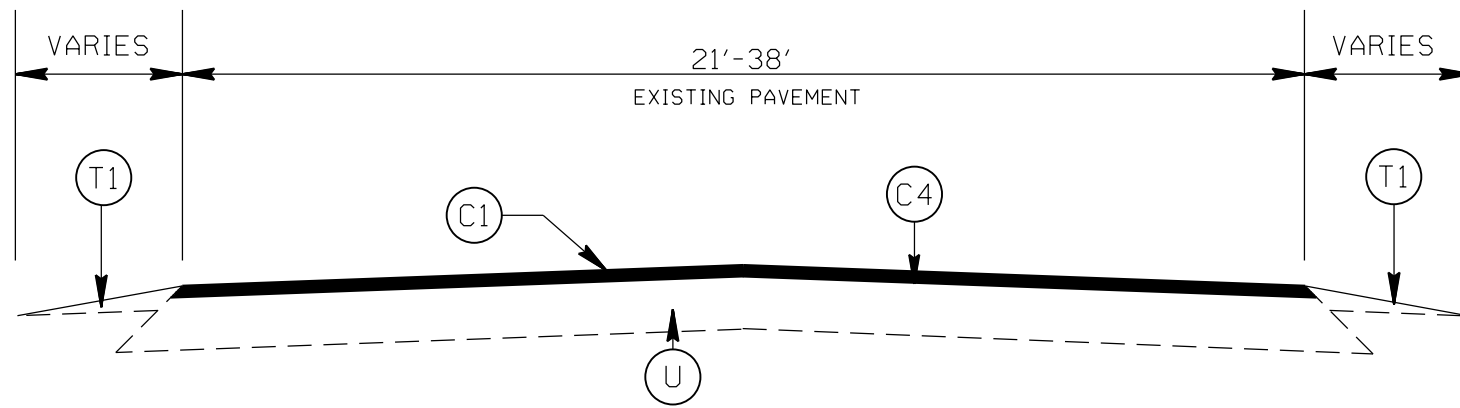
TYPICAL SECTION NO. 1  
US 74 EB (MAP 1)  
US 74 WB (MAP 2)  
\*SEE NOTE 1



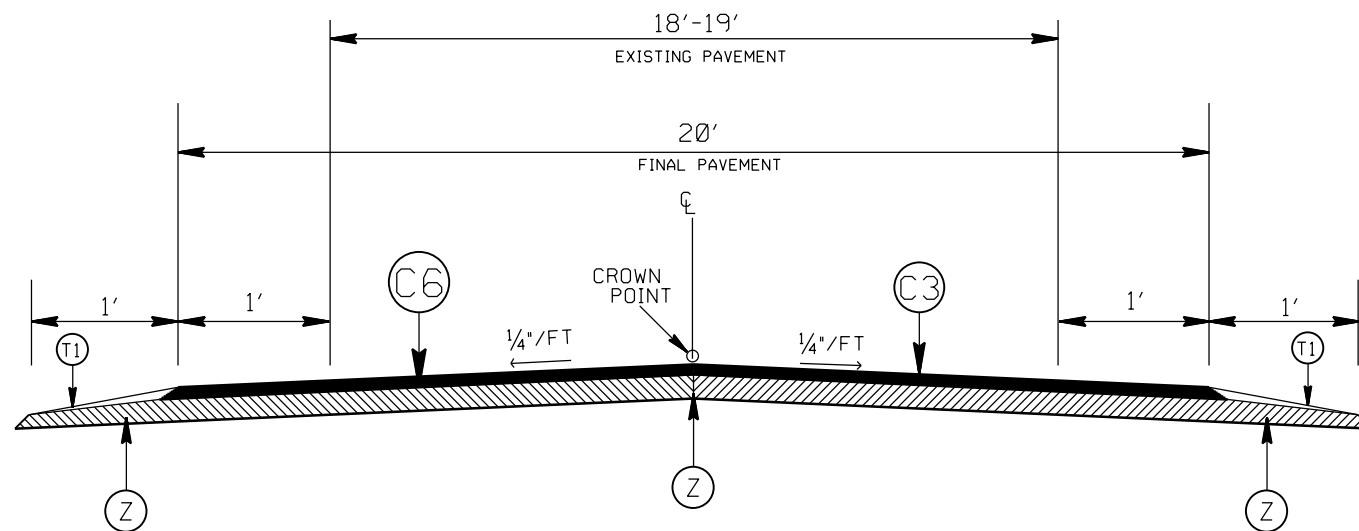
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US 74 EB (MAP 1)  
US 74 WB (MAP 2)  
TURN LANES

2019-2020  
UNION COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	12/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		



TYPICAL SECTION NO. 3  
 NC 75 (MAP 3)  
 SR 1740 OLD HWY 74/W. MAIN STREET (MAP 14)  
 \*SEE NOTE 5




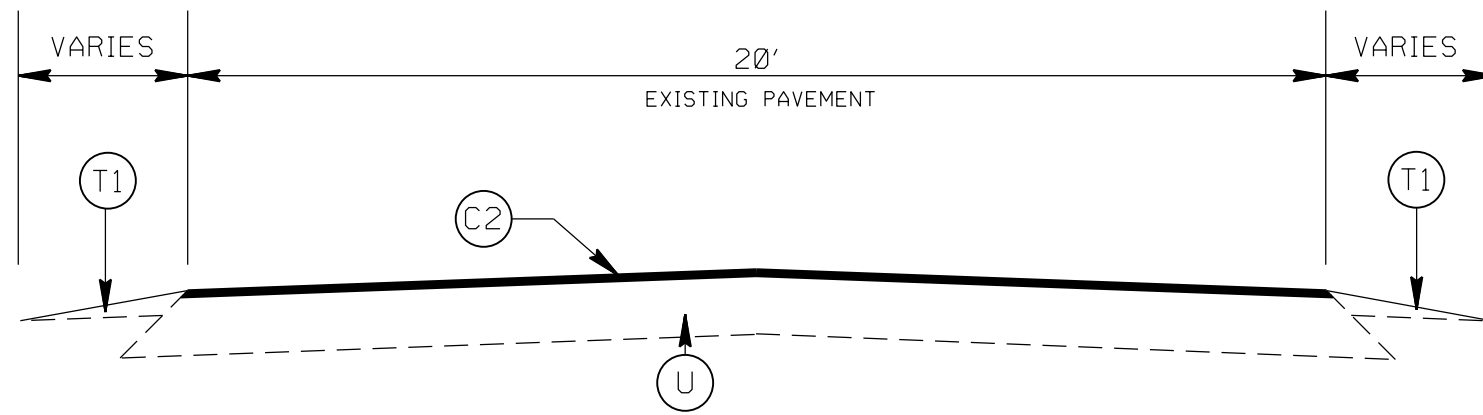
TYPICAL SECTION NO. 4  
 SR 1137 POTTER ROAD (MAP 4)  
 \* SEE NOTE 3  
 SR 1509 WILLIS LONG ROAD (MAP 6)  
 SR 1517 SCOTT LONG ROAD (MAP 7)

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N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	18	
F.A. PROJECT NO.			

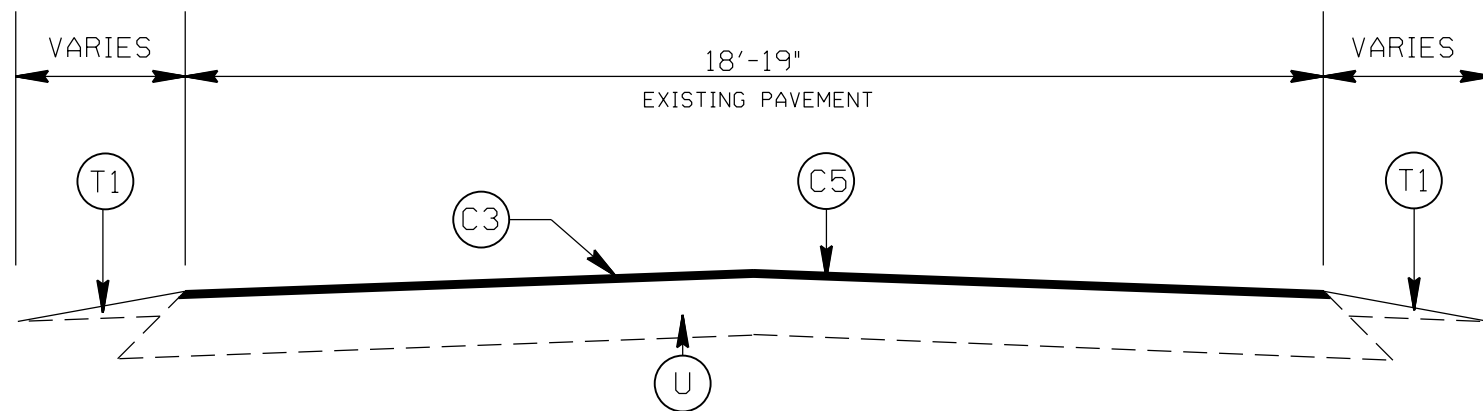
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	AST MAT COAT # 67
(C5)	AST MAT COAT # 78M
(C6)	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
(D1)	PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROPOSED 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(T2)	SHOULDER CONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
(V3)	MILLING 0'-1.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
(Z)	FULL DEPTH RECLAMATION

2019-2020 UNION COUNTY RESURFACING			
SCALE	-NA-		REVISIONS
DATE	12/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		



TYPICAL SECTION NO. 5  
 SR 1137 POTTER ROAD (MAP 5)  
 SR 2139 GRIFFITH ROAD (MAP 18)  
 SR 2146 PLYLER MILL ROAD (MAP 19)  
 SR 2254 LANDSFORD ROAD (MAP 21)  
 SR 2125 JACK DAVIS ROAD (MAP 22)  
 SR 1365 STALLINGS ROAD (MAP 25)  
 \*SEE NOTE 2 FOR MAPS 18 AND 19




TYPICAL SECTION NO. 6  
 SR 1249 EDGEHILL DRIVE (MAP 8)  
 SR 1250 GLADED DALE LANE (MAP 9)  
 SR 1251 WINDING WAY (MAP 10)  
 SR 1252 FIELDRIDGE LANE (MAP 11)  
 SR 1260 LAUREL OAKS LANE (MAP 13)

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F.A. PROJECT NO.			

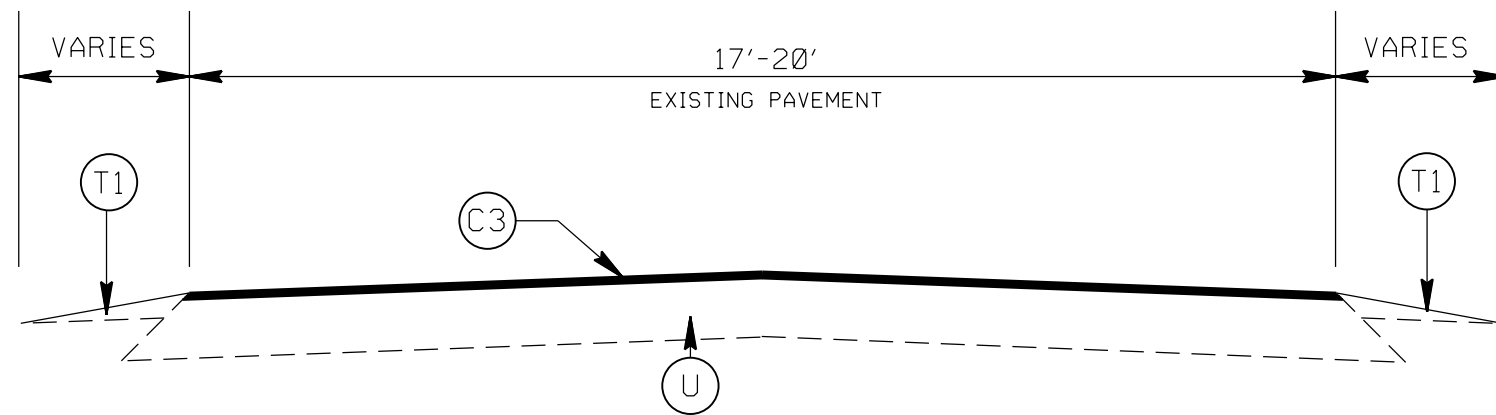
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	AST MAT COAT # 67
(C5)	AST MAT COAT # 78M
(C6)	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, (SEE S.P. FOR AGGREGATE TYPE.)
(D1)	PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROPOSED 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
(V3)	MILLING 0'-1.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
(Z)	FULL DEPTH RECLAMATION

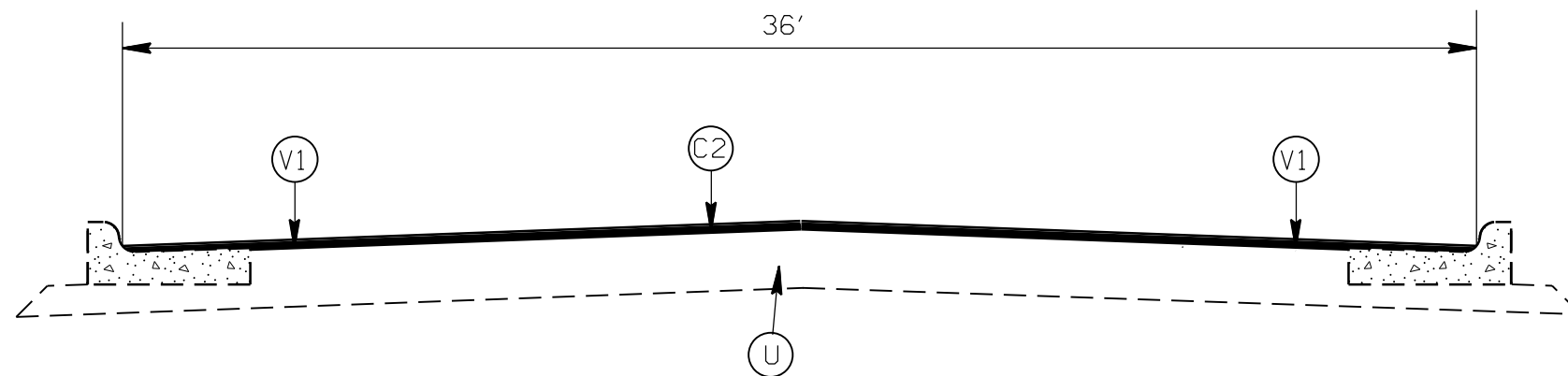
2019-2020  
UNION COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	12/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	20	
F.A. PROJECT NO.			




TYPICAL SECTION NO. 7  
 SR 1259 SEVEN OAKS DRIVE (MAP 12)  
 SR 1808 WINDSONG WAY (MAP 15)  
 \* SEE NOTE 4  
 SR 1809 CRESCENT WAY (MAP 16)  
 SR 1810 POND SIDE LANE (MAP 17)



TYPICAL SECTION NO. 8  
 SR 1002 WILSON STREET (MAP 20)  
 APPROX. STA: 10+00 TO 37+65

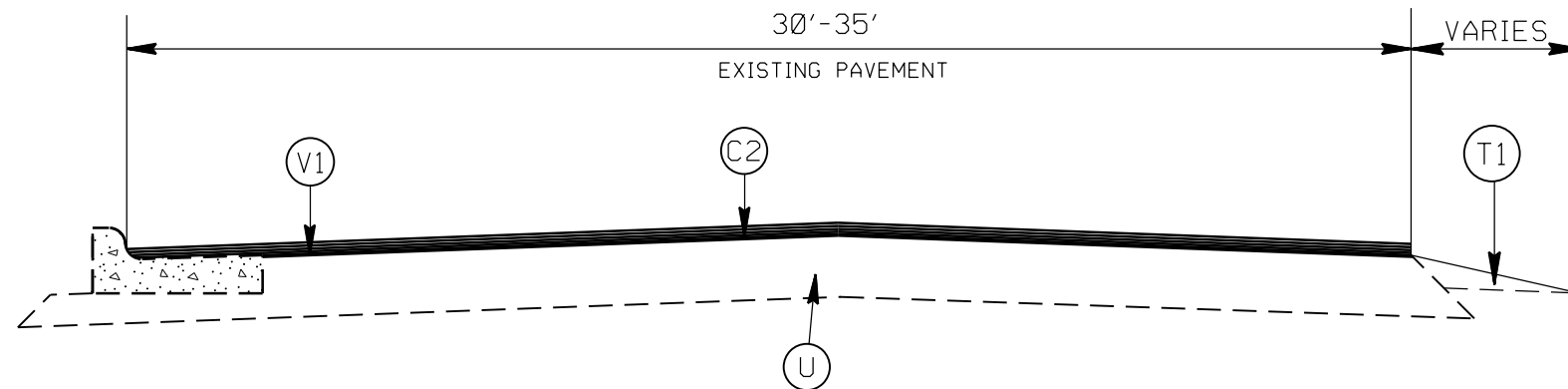
### PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	AST MAT COAT # 67
(C5)	AST MAT COAT # 78M
(C6)	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
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(E1)	PROPOSED 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
(V3)	MILLING 0'-1.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
(Z)	FULL DEPTH RECLAMATION

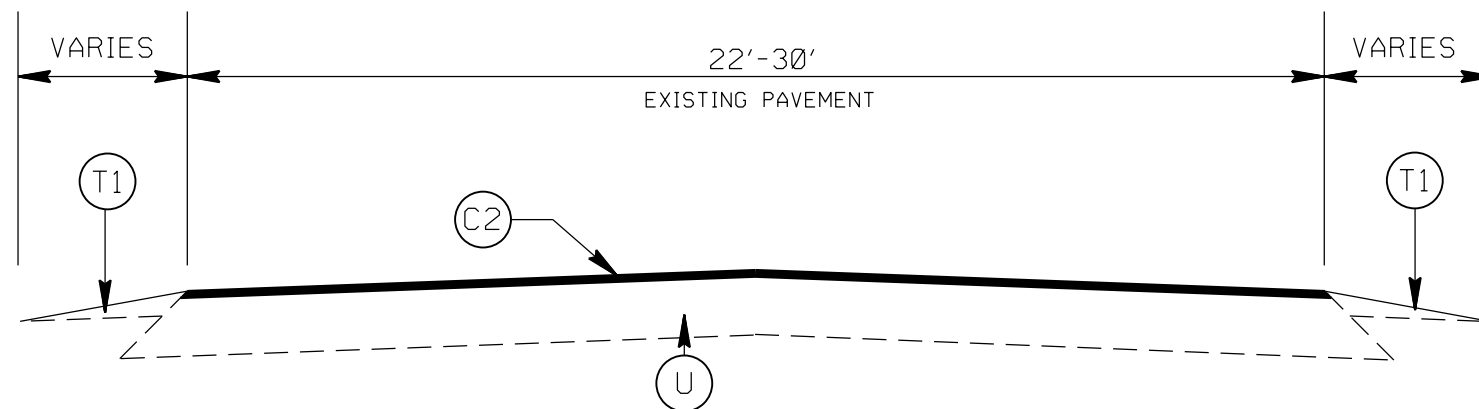
2019-2020 UNION COUNTY RESURFACING			
SCALE	-NA-		REVISIONS
DATE	12/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.I0.08.I0901 2020CPT.I0.08.20901 2020CPT.I0.08.20902	21	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 9  
SR 1002 WILSON STREET (MAP 20)  
APPROX. STA: 37+65 TO 41+30



TYPICAL SECTION NO. 10  
SR 1002 WILSON STREET (MAP 20)  
APPROX. STA: 41+30 TO 51+30

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	AST MAT COAT # 67
(C5)	AST MAT COAT # 78M
(C6)	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
(D1)	PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROPOSED 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
(V3)	MILLING 0'-1.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
(Z)	FULL DEPTH RECLAMATION

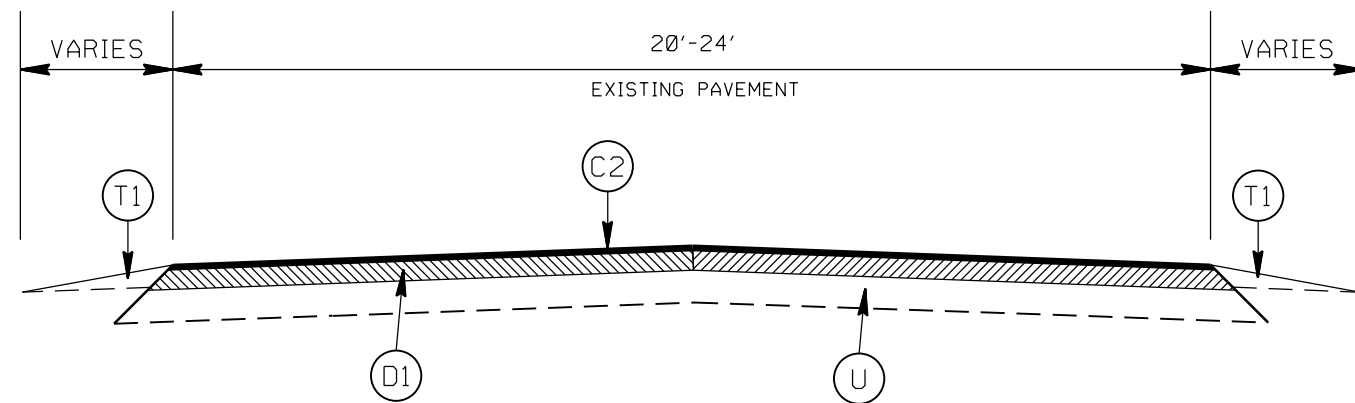
2019-2020  
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	12/18
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA



REVISIONS	

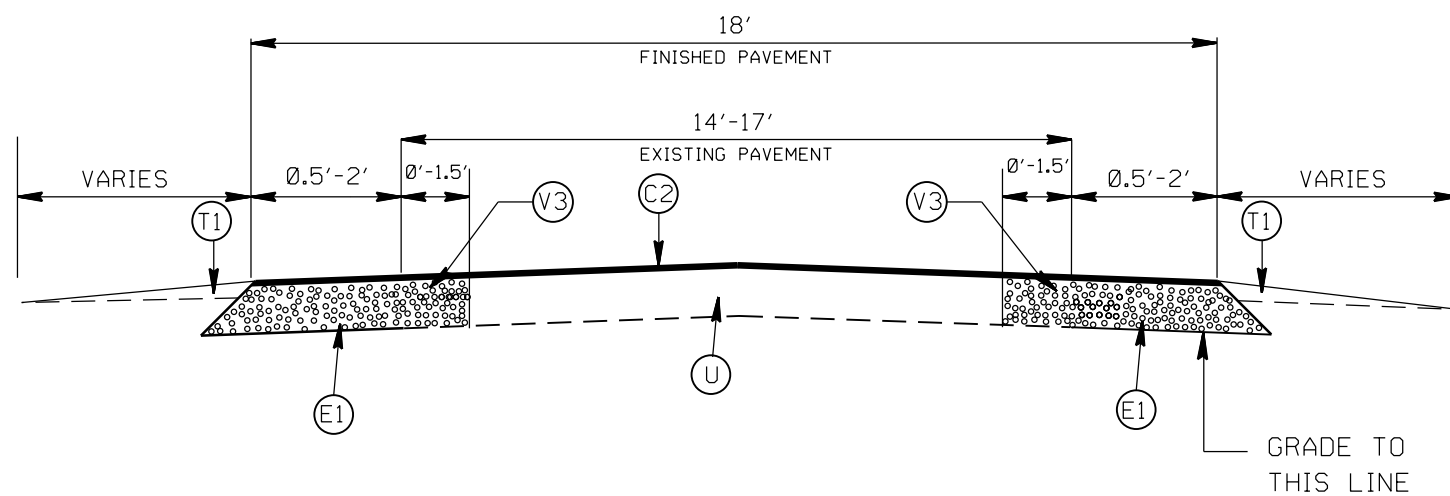
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	22	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 11  
SR 1162 GOLDMINE ROAD (MAP 23)  
SR 1006 OLIVE BRANCH ROAD (MAP 24)


PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	AST MAT COAT # 67
(C5)	AST MAT COAT # 78M
(C6)	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, (SEE S.P. FOR AGGREGATE TYPE.)
(D1)	PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROPOSED 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
(V3)	MILLING 0'-1.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
(Z)	FULL DEPTH RECLAMATION



TYPICAL SECTION NO. 12  
SR 1390 WILLIAMS RESCUE ROAD (MAP 26)

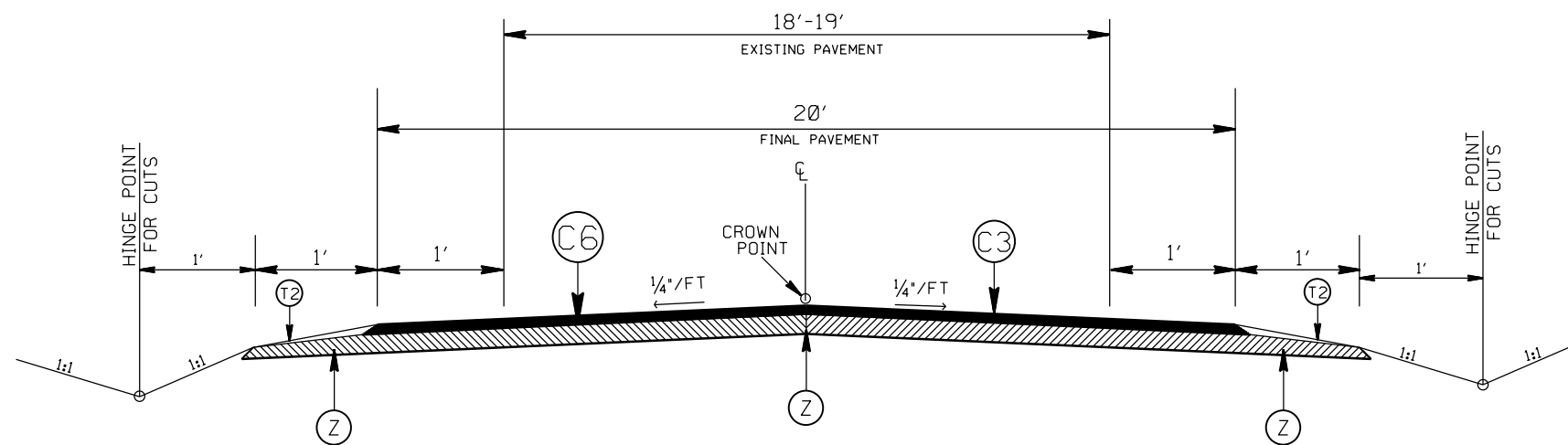
2019-2020  
UNION COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	12/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	23	
F.A. PROJECT NO.			

### PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	AST MAT COAT # 67
(C5)	AST MAT COAT # 78M
(C6)	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, (SEE S.P. FOR AGGREGATE TYPE.)
(D1)	PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROPOSED 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(T2)	SHOULDER CONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
(V3)	MILLING 0'-1.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
(Z)	FULL DEPTH RECLAMATION



TYPICAL SECTION NO. 13  
 SR 1137 POTTER ROAD (MAP 4)  
 APPROX. STA: 13+50 TO 17+75  
 STA: 15+75 TO 20+00  
 STA: 95+00 TO 97+50

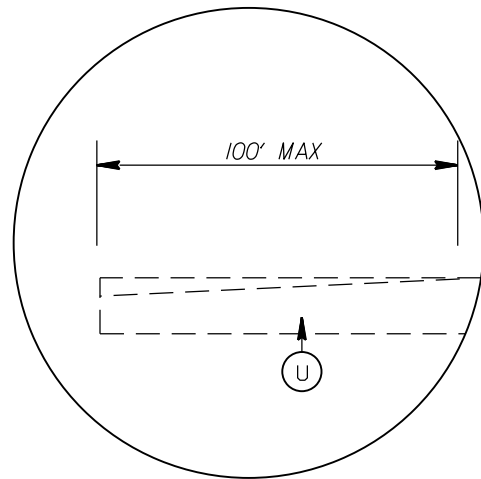
2019-2020  
 UNION COUNTY RESURFACING

SCALE -NA-  
 DATE 12/18  
 DWG. BY AMO  
 DESIGN BY AMO  
 APPROVED CLA

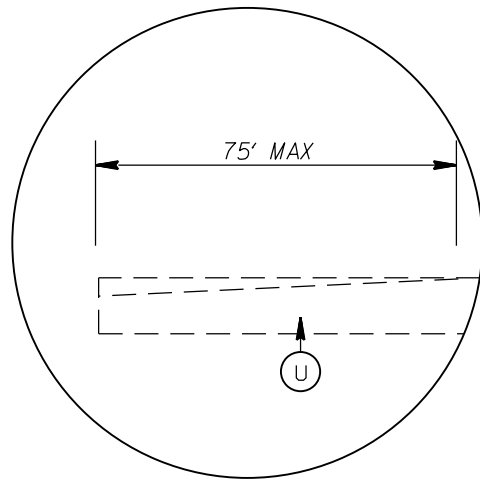


REVISIONS	

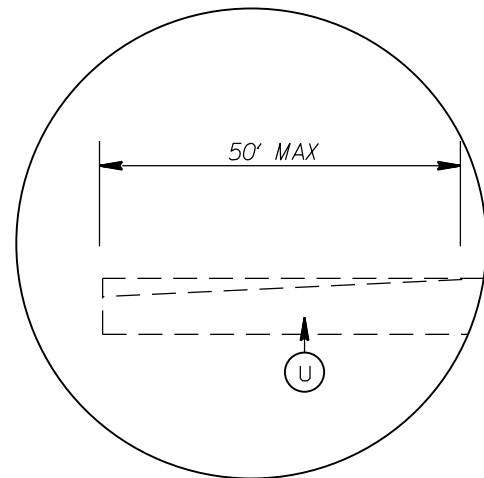
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.J0.08.I0901 2020CPT.J0.08.20901 2020CPT.J0.08.20902	24	
F.A. PROJECT NO.			



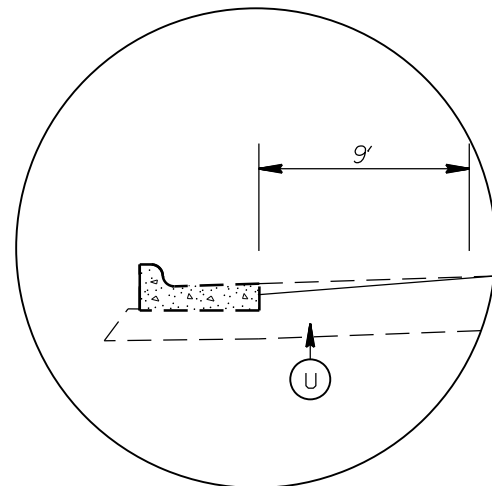
DETAIL FOR INCIDENTAL MILLING (0" TO 2.0")



DETAIL FOR INCIDENTAL MILLING (0" TO 1.5")

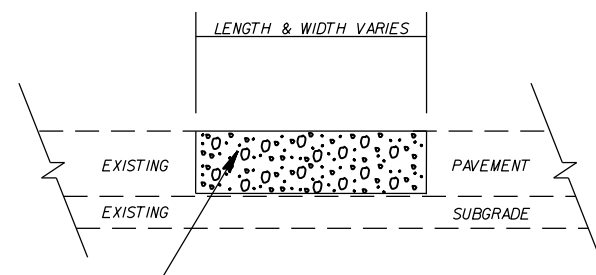


DETAIL FOR INCIDENTAL MILLING (0" TO 1.0")



DETAIL FOR PROFILE MILLING

PATCHING DETAIL



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE 119.0C SHALL BE PLACED.

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	AST MAT COAT # 67
(C5)	AST MAT COAT # 78M
(C6)	PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
(D1)	PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROPOSED 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(T2)	SHOULDER CONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
(V3)	MILLING 0'-1.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
(Z)	FULL DEPTH RECLAMATION


2019-2020  
UNION COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	12/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	25	
F.A. PROJECT NO.			

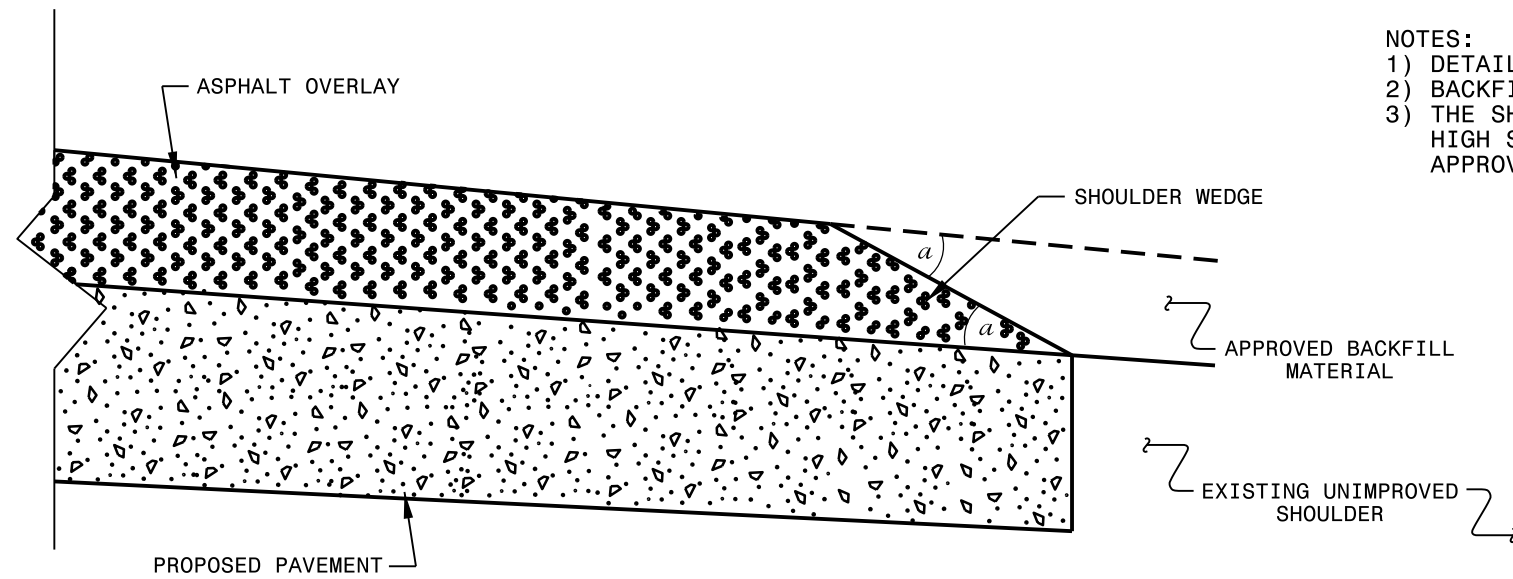
NOTES:

1. ON MAPS 1 AND 2, MILL AND FILL BRIDGE WITH 2.0" S9.5C.
2. ON MAPS 18 AND 19, MILL AND FILL BRIDGE WITH 1.5" S9.5C.
3. ON MAP 4, SKIP BRIDGE, DO NOT MILL AND FILL.
- 4: ON MAP 15, CONTRACTOR SHALL PROFILE MILL 0-1.0" AROUND MEDIAN ISLAND.  
(SEE SOQ FOR QUANTITY)
- 5: ON MAP 14, CONTRACTOR SHALL PROFILE MILL 0-2.0" AT CURB AND GUTTER IN  
RADIUS OF INTERSECTION. (SEE SOQ FOR QUANTITY)
- 6: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
- 7: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED, ON MAPS 4, 6, AND 7  
PRIOR TO THE ASPHALT OVERLAY.
- 8: WIDENING ON FULL DEPTH RECLAMATION MAPS TO BE DONE BY STATE FORCES.
9. SIGNAL/LOOPS TO BE DONE BY STATE FORCES.

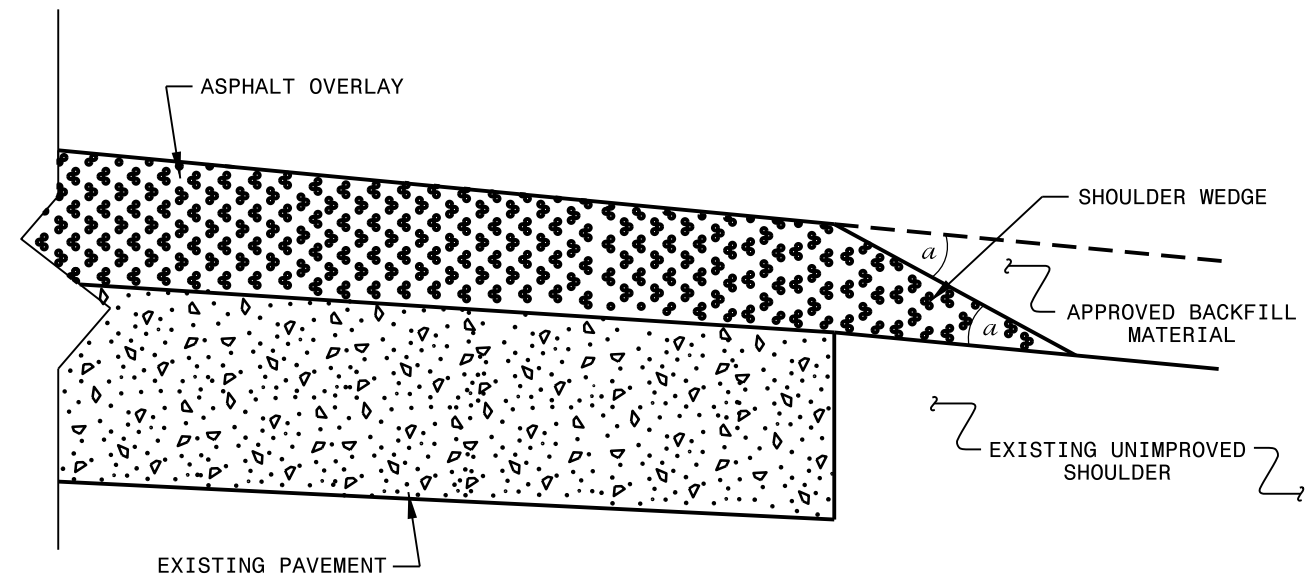
2019-2020 UNION COUNTY RESURFACING			
SCALE	-NA-		REVISIONS
DATE	12/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

**NOTES:**

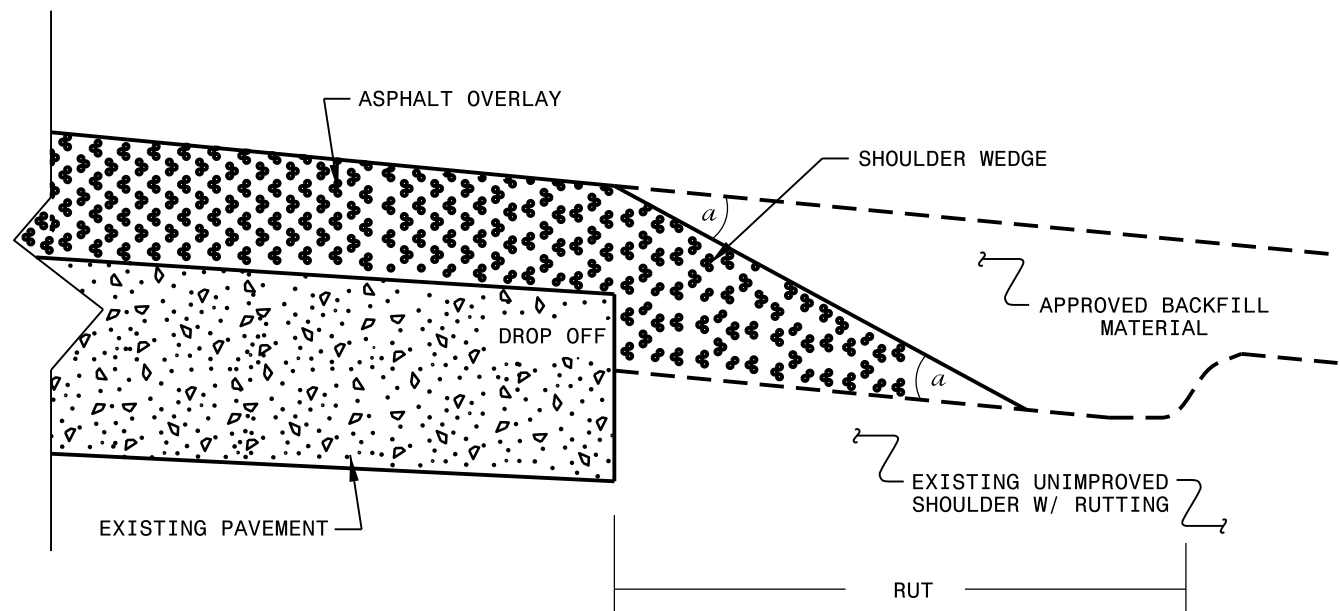
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ NO Widening)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

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

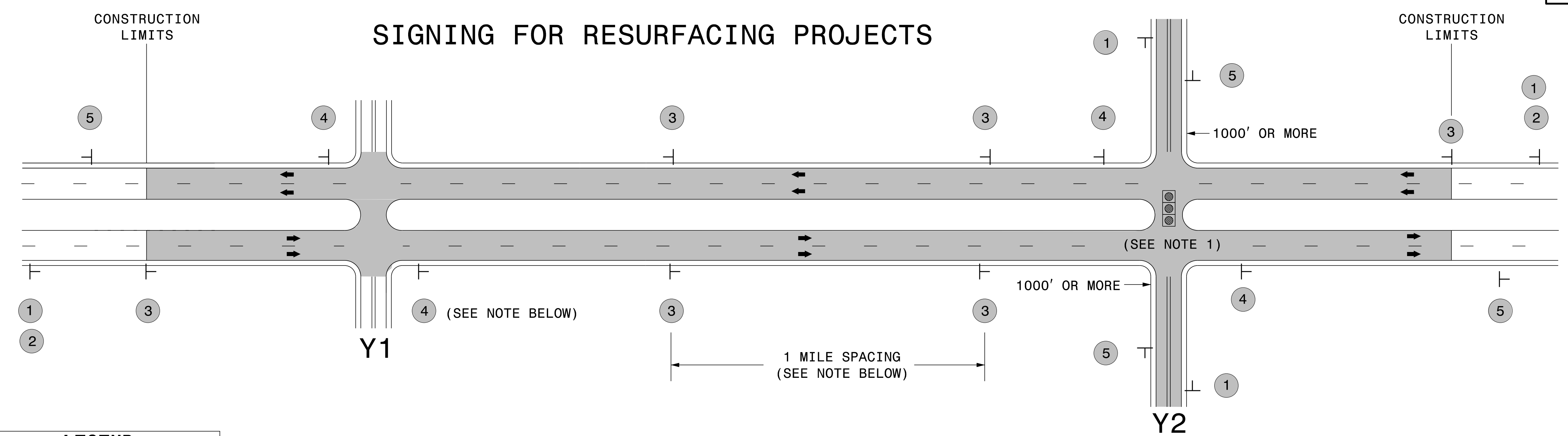


# THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGT	WID	WZ	TEM P. TRAFFIC CONTROL	LAW ENFORCEMENT	4810000000-E		4820000000-E		4825000000-		4835000		4840000000-N			4845000000-N				
								H	TH	ADV/GEN WARN SIGNING			4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	8" YELLOW PAINT	12" YELLOW PAINT	12" WHITE PAINT	24" WHITE PAINT	PAINT MSG AHEAD	PAINT MSG SCHOOL	PAINT MSG STOP	PAINT LT ARROW	PAINT RT ARROW				
									MI	FT	SF	LS	HR	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA				
2020CPT.10.08.10901	Union	1	US 74 EAST/ROUTE # 20000074	FROM PVMT JT 900 FT EAST OF US74/US 601 INTERSECTION TO PVMT JT 1000 FT WEST OF US 74 / SR 1941 OLD PAGELAND MONROE RD <b>MILEPOST 13.2 TO 14.17</b>	1,2	2	MD	0.96	28	103	*	10	8,540	5,089	1,227	88						8	7					
		2	US 74 WEST/ROUTE # 20000074	1000 FT WEST OF US74/SR 1941 OLD PAGELAND MONROE RD INTERSECTION TO PVMT JT 900 FT EAST OF US74/601 INTERSECTION <b>MILEPOST 11.35 TO 12.26</b>	1,2	2	MD	0.91	28	103		10	6,188	4,823	865	88							7	2				
		3	NC 75/ROUTE 30000075	FROM SR 1157 FLETCHER BROOME RD TO SR 1315 NEWTOWN ROAD, <b>MILEPOST 10.72 TO 12.56</b>	3	2	2WU	1.84	24																	1		
<b>TOTAL FOR PROJ NO. 2020CPT.10.08.10901</b>														<b>20</b>	<b>34,358</b>	<b>23,948</b>	<b>2,092</b>		<b>176</b>					<b>15</b>	<b>10</b>			
													<b>58,306</b>	<b>2,092</b>	<b>176</b>									<b>25</b>				
2020CPT.10.08.20901	Union	4	SR 1137 POTTER ROAD/ROUTE 40001137	FROM SC STATE LINE TO SR 1121 HARKEY RD, <b>MILEPOST 0 TO 2.78</b>	4,13	2	2WU	2.78	20	341	*																	
		5	SR 1137 POTTER ROAD/ROUTE 40001137	FROM SR 1121 HARKY RD TO NC 200 S, <b>MILEPOST 2.78 TO 4.25</b>	5	2	2WU	1.48	20																			
		6	SR 1509 WILLIS LONG ROAD/ROUTE 40001509	FROM SR 1501 SECREST SHORT CUT RD TO SR 1508 POPLIN RD, <b>MILEPOST 0 TO 1.24</b>	4	2	2WU	1.24	20	80																		
		7	SR 1517 SCOTT LONG RD/ROUTE 30001517	FROM SR 1367 UNIONVILLE-INDIAN TRAIL RD TO SR 1501 SECREST SHORT CUT RD, <b>MILEPOST 0 TO 0.52</b>	4	2	2WU	0.52	20	80																		
		8	SR 1249 EDGEHILL DRIVE/ROUTE 40001249	FROM SR 1315 NEWTOWN RD TO EOM, <b>MILEPOST 0 TO 0.51</b>	6	2	2WU	0.51	20																			
		9	SR 1250 GLADEDALE LANE/ROUTE 40001250	FROM SR 1249 EDGEHILL DRIVE TO EOM, <b>MILEPOST 0 TO 0.39</b>	6	2	2WU	0.39	19																			
		10	SR 1251 WINDING WAY/ROUTE 40001251	FROM SR 1249 EDGEHILL DR TO EOM, <b>MILEPOST 0 TO 0.32</b>	6	2	2WU	0.32	18																			
		11	SR 1252 FIELDRIDGE LANE/ROUTE 40001252	FROM SR 1249 EDGEHILL DR TO EOM, <b>MILEPOST 0 TO 0.26</b>	6	2	2WU	0.26	18																			
		12	SR 1259 SEVEN OAKS DRIVE/ROUTE 40001259	FROM NC 84 TO EOM, <b>MILEPOST 0 TO 0.39</b>	7	2	2WU	0.39	20																			
		13	SR 1260 LAUREL OAKS LANE/ROUTE 40001260	FROM SR 1259 SEVEN OAKS DR TO EOM, <b>MILEPOST 0 TO 0.06</b>	6	2	2WU	0.06	19.5																			
		14	SR 1740 OLD 74/ROUTE 40001740	FROM US 74 TO SR 1937 OLD PAGELAND MARSHVILLE RD, <b>MILEPOST 3.63 TO 4.47</b>	3	2	2WU	0.84	21-38							4	17,707	17,812	178							1	1	
		15	SR 1808 WINDSONG WAY/ROUTE 40001808	FROM SR 1631 MCINTRYE RD TO EOM, <b>MILEPOST 0 TO 0.97</b>	7	2	2WU	0.97	19																			
		16	SR 1809 CRESCENT WAY/ROUTE 40001809	FROM SR 1808 WINDSONG WAY TO EOM, <b>MILEPOST 0 TO 0.33</b>	7	2	2WU	0.33	18																			
		17	SR 1810 PONDSIDE LANE/ROUTE 40001810	FROM SR 1808 WINDSONG WAY TO EOM, <b>MILEPOST 0 TO 0.08</b>	7	2	2WU	0.08	17																			
		18	SR 2139 GRIFFITH ROAD/ROUTE 40002139	FROM SR 2141 WINDING BROOK RD TO SR 2180 SUNSET AVE, <b>MILEPOST 5.3 TO 7.37</b>	5	2	2WU	2.07	23	341																		
		19	SR 2146 PLYER MILL RD/ROUTE 40002146	FROM SR 2166 TRINITY CHURCH RD TO SC STATE LINE, <b>MILEPOST 8.59 TO 9.77</b>	5	2	2WU	1.18	20																			
		20	SR 1002 WILSON STREET/ROUTE 40001002	FROM SR 1758 MAIN STREET TO BRIDGE AT WINGATE CITY LIMITS, <b>MILEPOST 0 TO 0.78</b>	8,9,10	2	2WU	0.78	36							4	2,937	15,432	240	22						2		
		21	SR 2254 LANDSFORD ROAD/ROUTE 40002254	FROM SC STATE LINE TO SR 2115 STACK ROAD, <b>MILEPOST 0 TO 3.58</b>	5	2	2WU	3.58	21	341																		
		22	SR 2125 JACK DAVIS ROAD/ROUTE 40002125	FROM SR 2122 RAPE RD TO SR 2114 MEDLIN RD, <b>MILEPOST 1.54 TO 4.34</b>	5	2	2WU	2.8	18	341																		
		23	SR 1162 GOLDMINE ROAD/40001162	FROM SR 1007 ROCKY RIVER RD TO PVMT JNT 600 FT EAST OF SR 1351 PRICE SHORTCUT RD, <b>MILEPOST 3.81 TO 4.5</b>	11	2	2WU	0.69	20.5							4	7,389	6,200								2		
		24	SR 1006 OLIVE BRANCH ROAD ROUTE # 40001006	FROM SR 1719 MARSHVILLE-OLIVE BRANCH ROAD TO NC 218 <b>MILEPOST 13.83 TO 14.15</b>	11	2	2WU	0.32	24																			
		25	SR 1365 STALLINGS ROAD ROUTE # 40001365	FROM US 74 BYPASS LIMITS TO SR 1524 STEVENS MILL ROAD <b>MILEPOST 1.4 TO 0.76</b>	5	2	2WU	0.64	30																			
		26	SR 1390 WILLIAMS RESCUE ROAD ROUTE #40001390	FROM SR1009 OLD CHARLOTTE ROAD TO END OF MAINTENANCE <b>MILEPOST 0 TO 0.29</b>	12	2	2WU	0.29	18																			
		<b>TOTAL FOR PROJ NO. 2020CPT.10.08.20901</b>															<b>12</b>	<b>360,664</b>	<b>345,817</b>	<b>418</b>	<b>22</b>	<b>170</b>	<b>984</b>	<b>10</b>	<b>6</b>	<b>16</b>	<b>8</b>	<b>1</b>
															<b>706,481</b>	<b>440</b>	<b>170</b>									<b>9</b>		
		2020CPT	Union	4	SR 1137 POTTER ROAD/ROUTE 40001137	FROM SC STATE LINE TO SR 1121 HARKEY RD, <b>MILEPOST 0 TO 2.78</b>	4	2	2WU	2.78		20		*														
6	SR 1509 WILLIS LONG ROAD/ ROUTE 40001509			FROM SR 1501 SECREST SHORT CUT RD TO SR 1508 POPLIN RD, <b>MILEPOST 0 TO 1.24</b>	4	2	2WU	1.24	20																			
7	SR 1517 SCOTT LONG ROAD/ROUTE 40001517			FROM SR 1367 UNIONVILLE-INDIAN TRAIL RD TO SR 1501 SECREST SHORT CUT RD, <b>MILEPOST</b>	4	2	2WU	0.52	20																			
<b>TOTAL FOR PROJ NO. 2020CPT.10.08.20902</b>																												
									<b>4.54</b>																			
<b>GRAND TOTAL</b>																												
									<b>26.23</b>			<b>1,730</b>	<b>1</b>	<b>32</b>	<b>395,022</b>	<b>369,765</b>	<b>2,510</b>	<b>22</b>	<b>176</b>	<b>170</b>	<b>1,014</b>	<b>10</b>	<b>6</b>	<b>16</b>	<b>23</b>	<b>11</b>		
													<b>764,787</b>	<b>2,532</b>	<b>346</b>									<b>34</b>				

ON MAPS 1-3, 18, 20, 23, AND 25 ALL PAINT MARKINGS SHALL BE TEMPORARY PAINT. ONE 15 MIL APPLICATION WITH GLASS BEADS.





**LEGEND**  
 ┆ STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW

**MAINLINE (-L-) SIGNING**

**-Y- LINE SIGNING**

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;">   <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.</li> </ol>
		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	
		<p>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.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

3/23/2015  
 C:\Users\rmgarrrett\Downloads\Resurfacing\_AdvWarn\_Ltr-Su\_Shldr.dgn  
 User:rmgarrrett

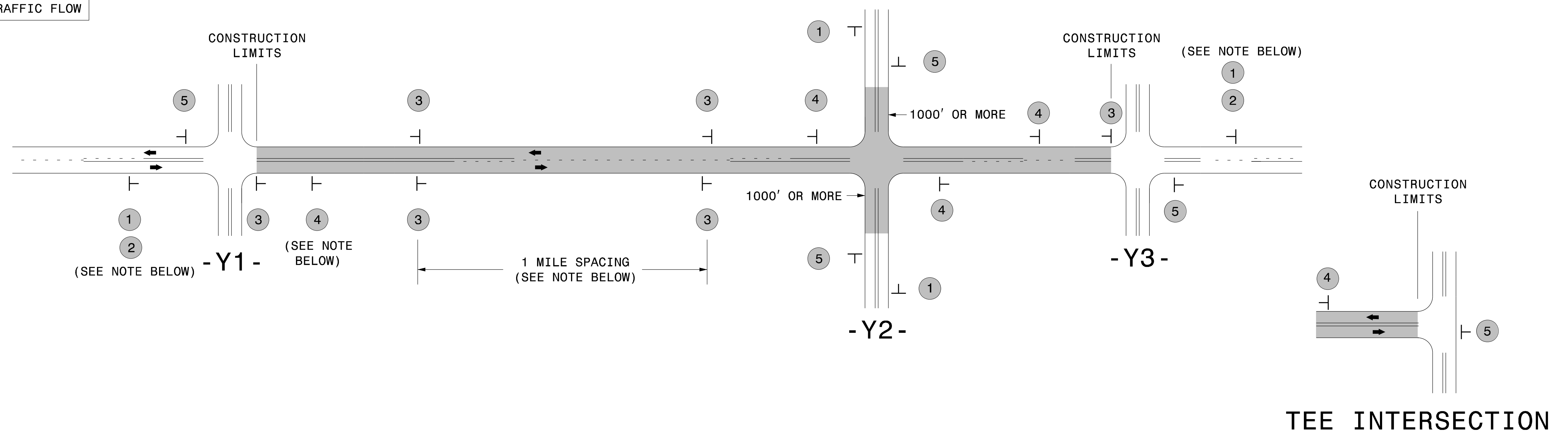
**RESURFACING  
 ADVANCE WARNING SIGNS  
 FOR RURAL AND SUBURBAN  
 MULTI-LANE ROADWAYS  
 W/ SHOULDER SECTIONS**

# SIGNING FOR RESURFACING PROJECTS

**LEGEND**

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

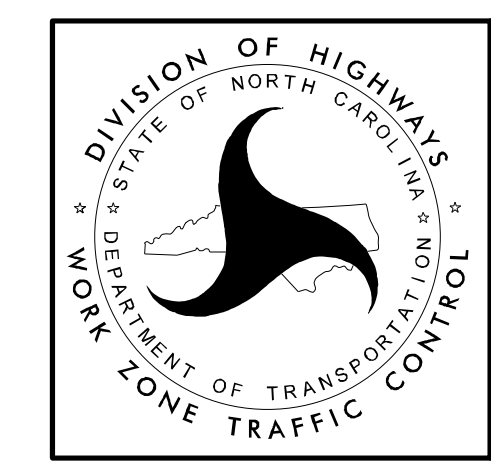
## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">               W20-1 48" X 48"              PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">               W20-7 A 48" X 48"              PLACED 250' IN ADVANCE OF FLAGGER.         </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3		- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4		- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

**MAPS LESS THAN 2 MILES**

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



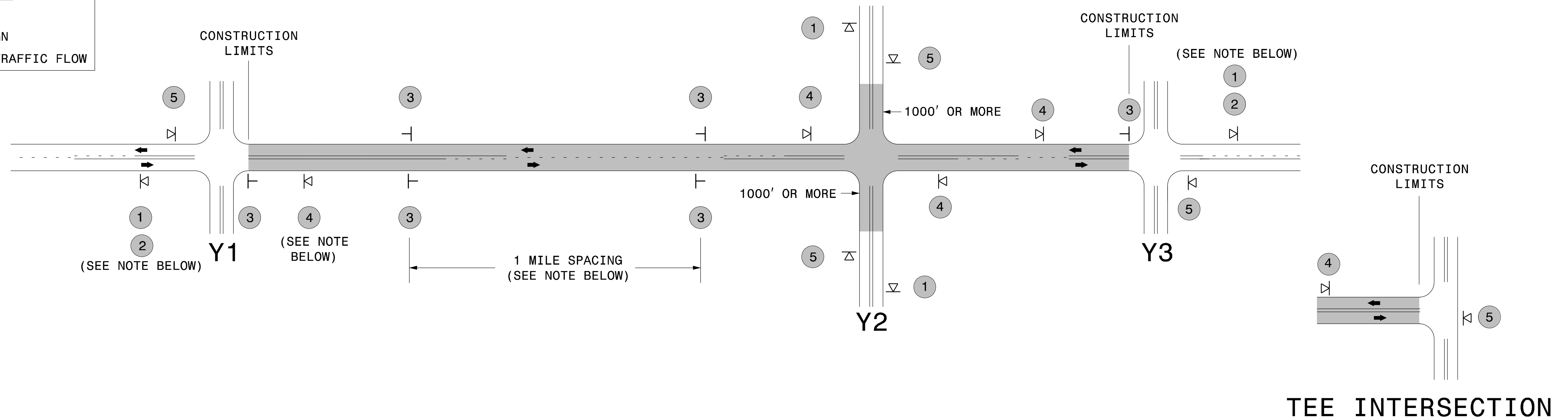
**ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING**

5/15/2017 S:\TMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing\_AdvWarn\_2Ln.dgn User:kadai

# 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		<ul style="list-style-type: none"> <li>- PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</li> <li>- 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.</li> </ul>	<p>STATIONARY SIGNING NOT REQUIRED FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>
		<ul style="list-style-type: none"> <li>- ALTERNATE THE FOLLOWING TWO SIGNS:</li> <li>- STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".</li> <li>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER.</li> <li>- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</li> </ul>	
		<ul style="list-style-type: none"> <li>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</li> <li>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</li> <li>- 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.</li> <li>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</li> </ul>	
		<ul style="list-style-type: none"> <li>- PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</li> </ul>	
	<p>THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.</p>		

**MAPS LESS THAN 2 MILES**

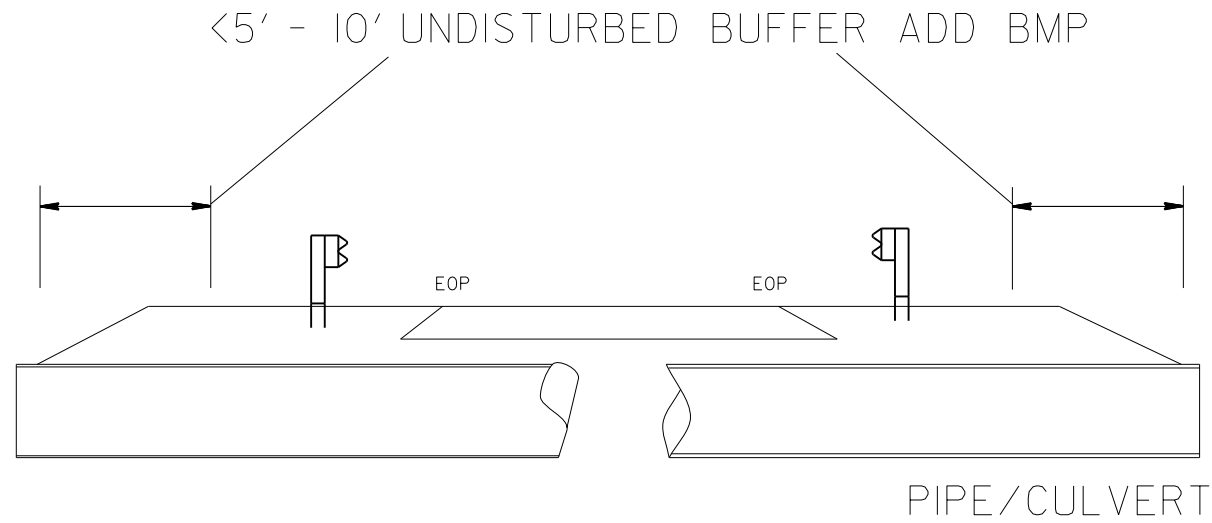
FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.

**ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT**

5/12/2017 S:\TUXWZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing\_AdvWarn\_2Ln - AST.dgn User:kadai

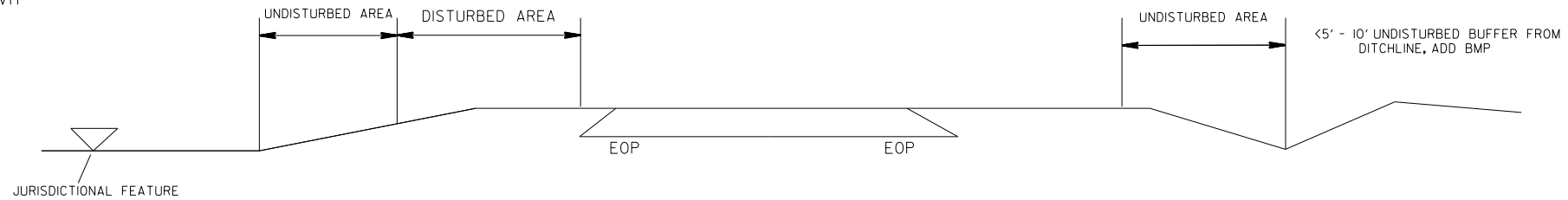
NOTES: LESS THAN 5' - 10' UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE, OR DRAINAGE INLET, ADD BMP.

BMP OPTIONS: WATTLE OR SILT FENCE

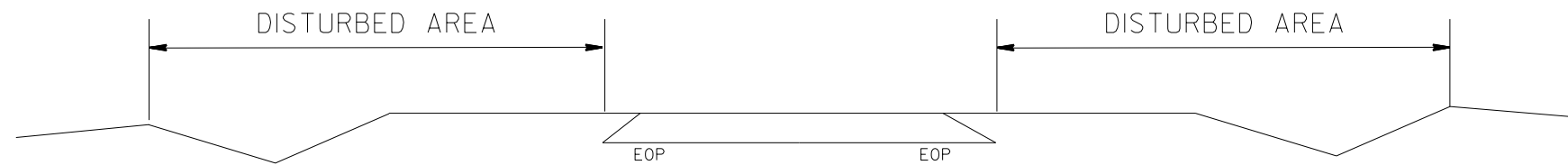


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.08.10901 2020CPT.10.08.20901 2020CPT.10.08.20902	EC-1	
F.A. PROJECT NO.			

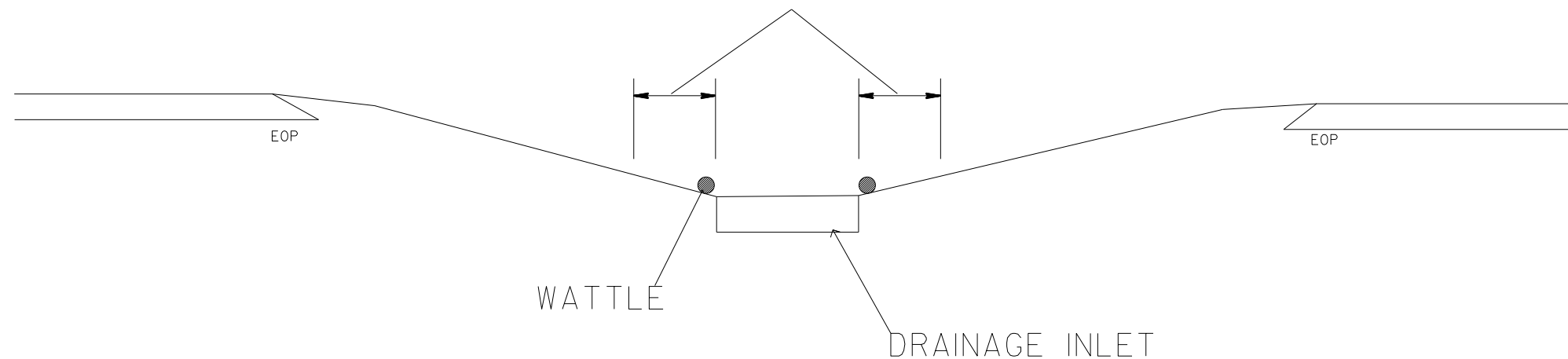
<5' - 10' UNDISTURBED BUFFER FROM JURISDICTIONAL FEATURE ADD BMP



USE BMP'S IF SHOULDERS AND/OR FRONTSLOPES AND/OR DITCHLINE AND/OR BACKSLOPES ARE DISTURBED



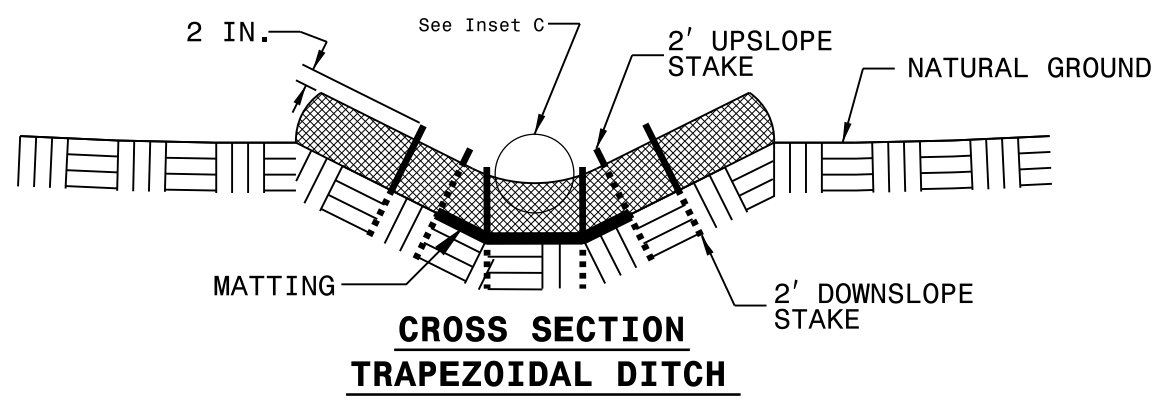
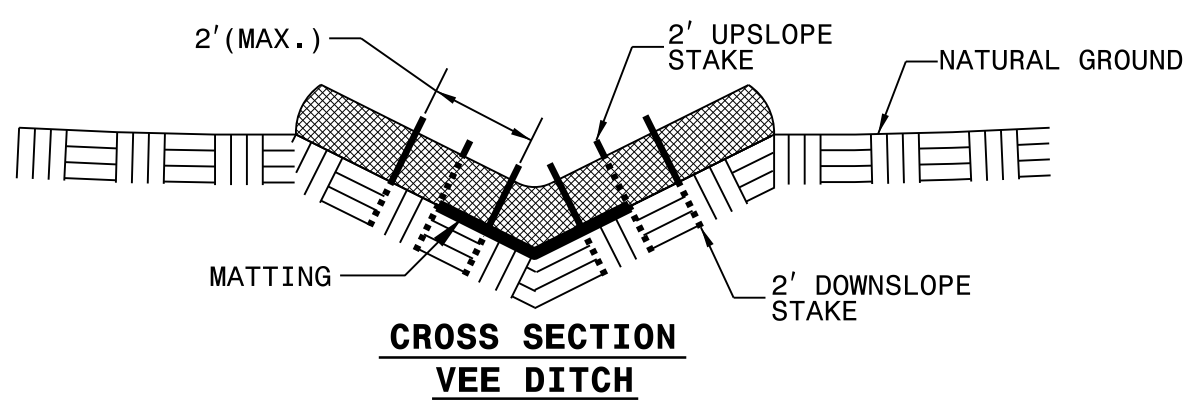
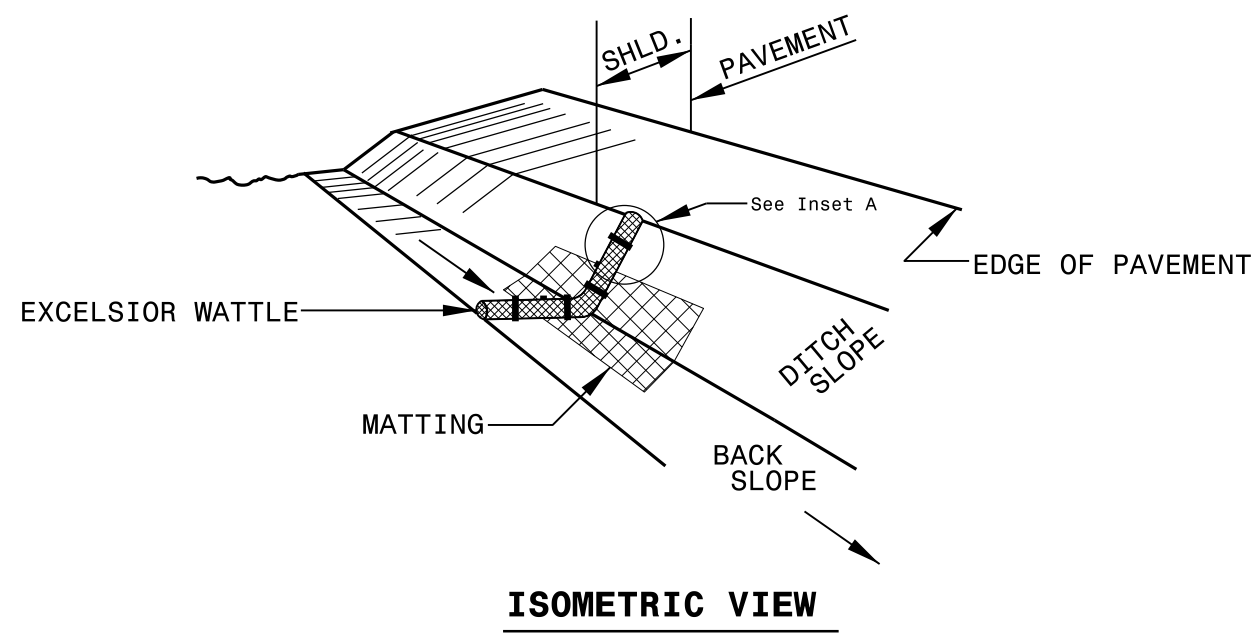
<5' - 10' UNDISTURBED BUFFER FROM INLET, ADD WATTLE



EROSION CONTROL DETAIL

SCALE	-NA-		REVISIONS	
DATE	12/18			
DWG. BY	AMO			
DESIGN BY	AMO			
APPROVED	CLA			

# WATTLE WITH POLYACRYLAMIDE (PAM) 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.
  - PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.
  - INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

