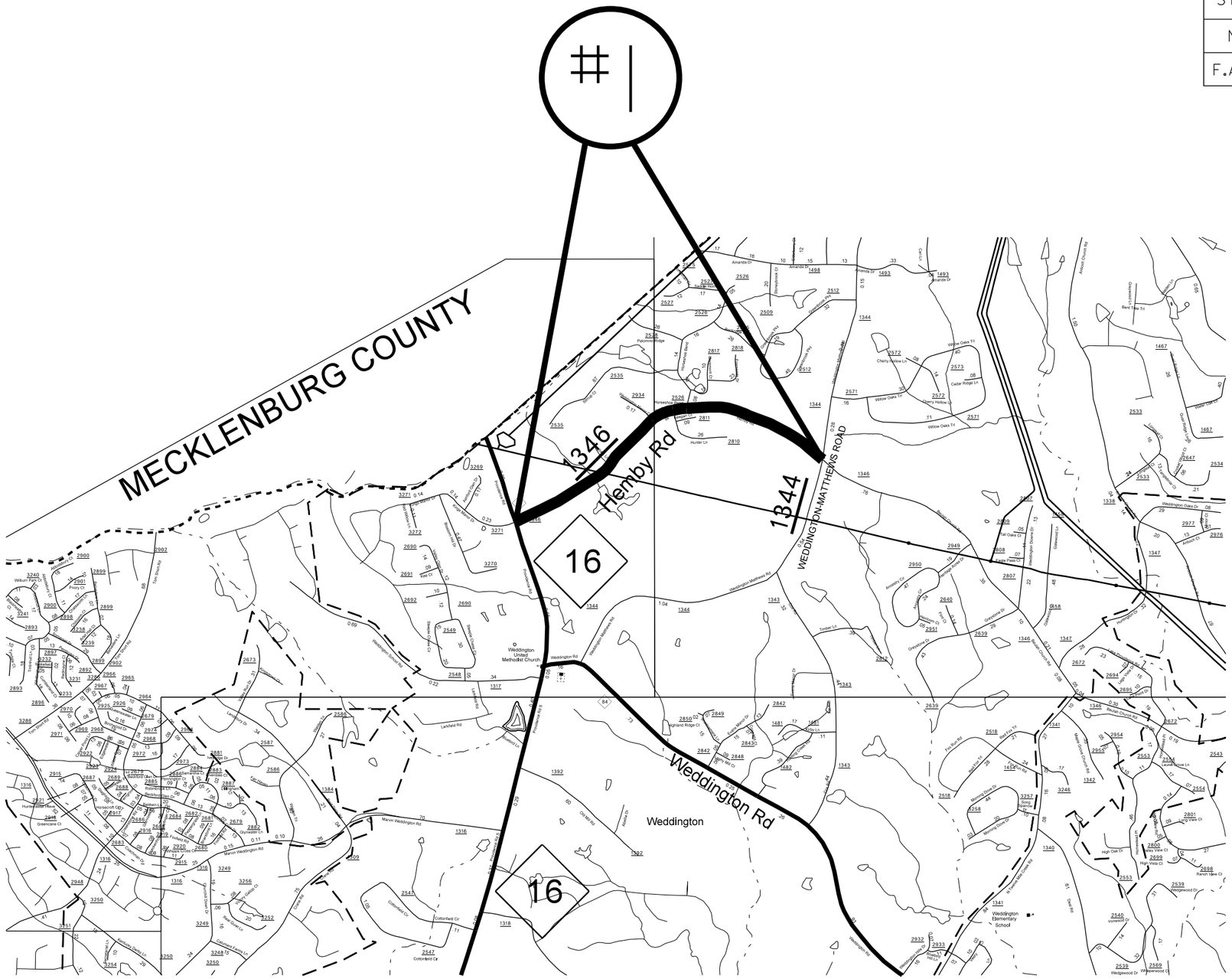
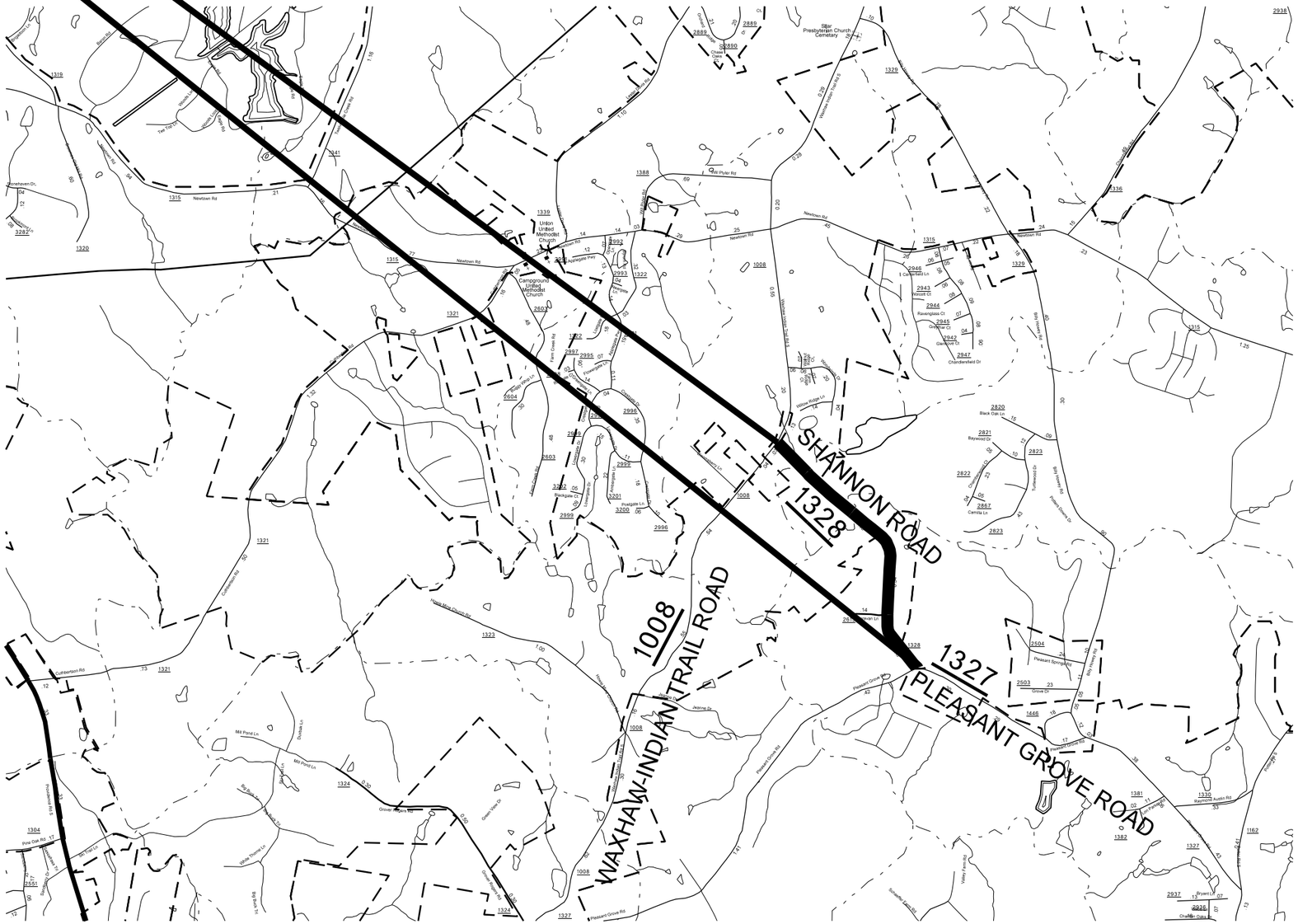
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	1	
F.A. PROJECT NO.			


#1
MECKLENBURG COUNTY
1346
Hemby Rd
1344
OLD WEDDINGTON-MATTHEWS ROAD
16
Weddington Rd
Weddington
Weddington United Methodist Church
Weddington Elementary School
Marvin Weddington Rd
Weddington-Matthews Rd
Landfall Rd
Cuthbertson Rd
Cottonfield Cir
Chalk Rd
Hunter Ln
Tom Short Rd
Wilburn Farm Ln
Greencare Ct
Highland Ridge Ct
Cedar Ridge Ln
Cherry Hollow Ln
Willow Oaks Trl
Ranch Church Rd
Wedgewood Dr
Ranch View Ct
High Vista Ct
High Oak Dr
Tall Oaks Ct
Weddington Oaks Dr
Arbor Crest Ln
Arbor Crest Ct
Arbor Crest Dr
Arbor Crest Way
Arbor Crest Rd
Arbor Crest Cir
Arbor Crest Trl
Arbor Crest Pkwy
Arbor Crest Ave
Arbor Crest Ln
Arbor Crest Blvd

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2019CPT.10.04.20901.1-ETC.	2	
F.A. PROJECT NO.			

#2



N

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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

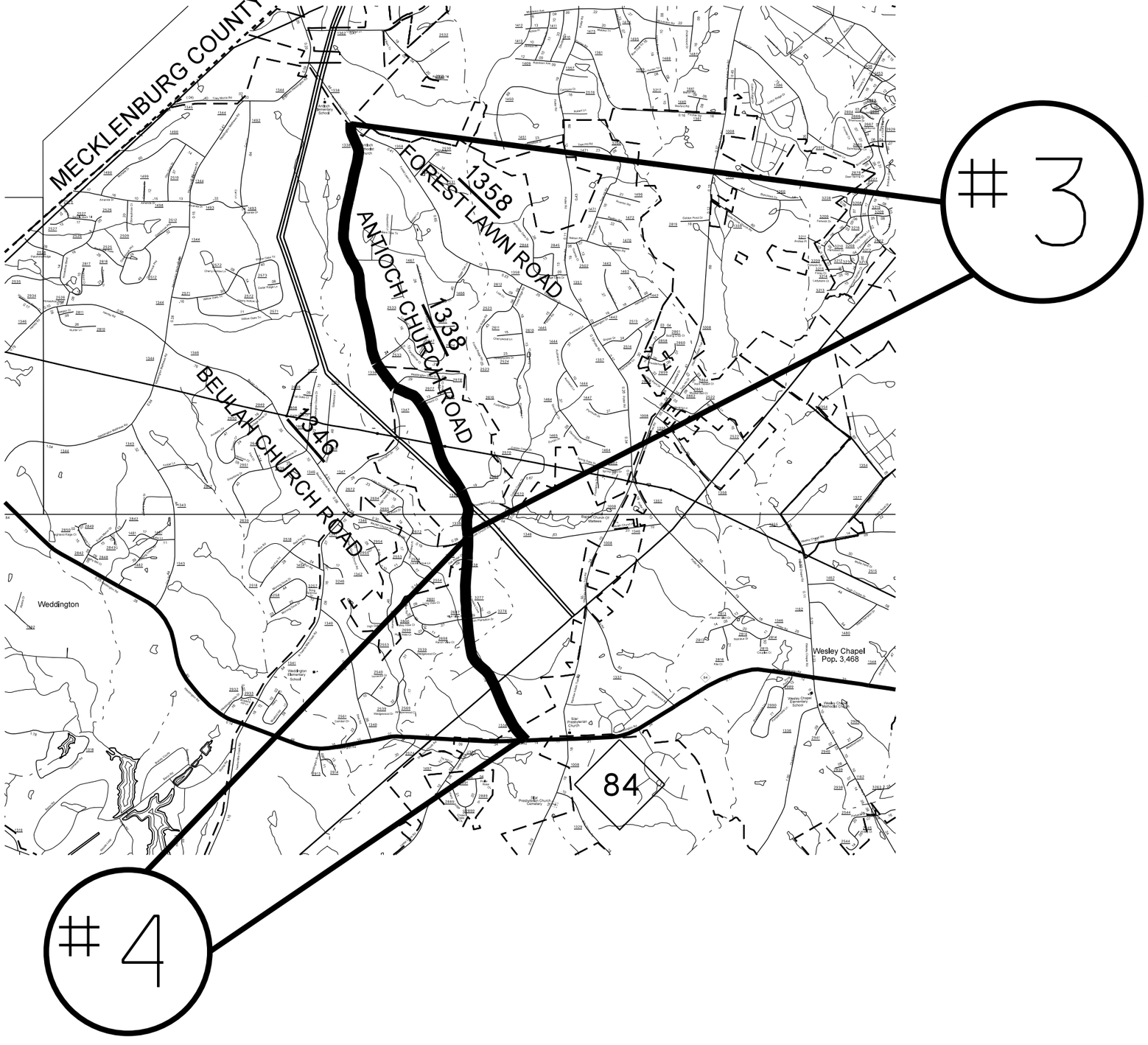
NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #2 SR 1328 SHANNON ROAD
1.1 MILES

FROM SR 1008 WAXHAW-INDIAN TRAIL ROAD TO SR 1327 PLEASANT GROVE ROAD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	3	
F.A. PROJECT NO.			

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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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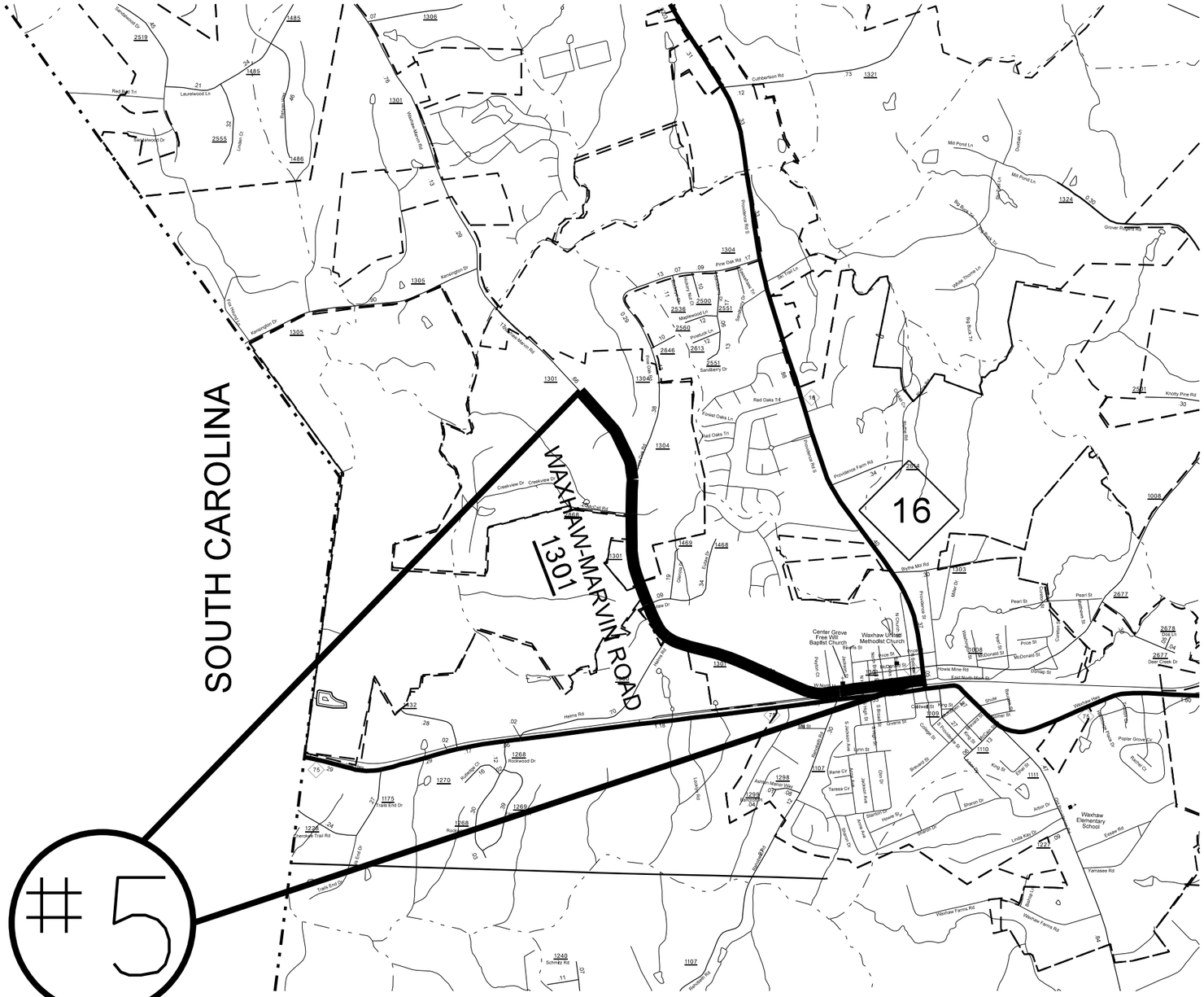
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

Map #3 SR 1338 ANTIOCH CHURCH ROAD
2.8 MILES
FROM SR 1358 FOREST LAWN ROAD
TO SR 1346 BEULAH CHURCH ROAD

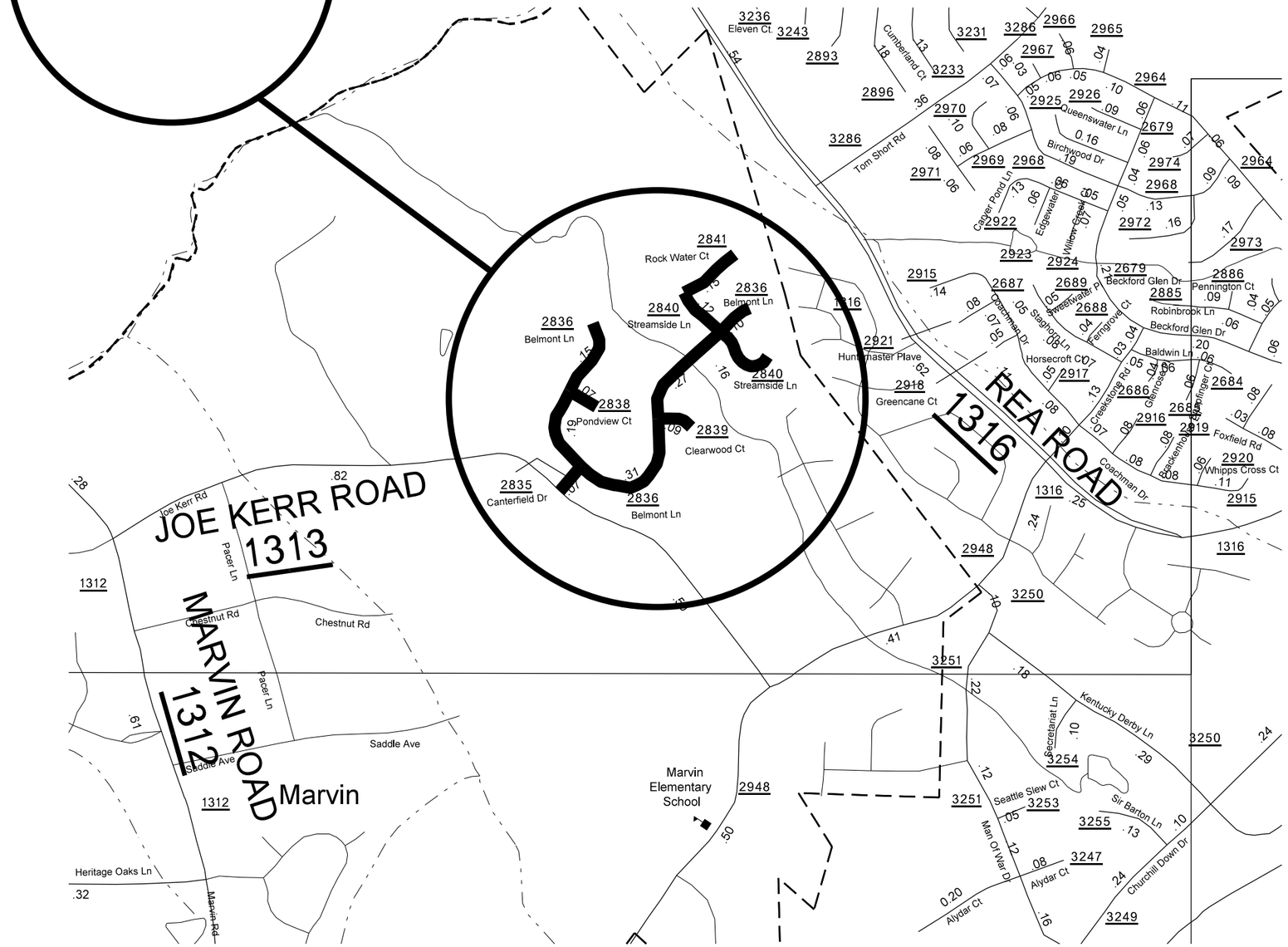
Map #4 SR 1339 ANTIOCH CHURCH ROAD
1.3 MILES
FROM SR 1346 BEULAH CHURCH ROAD
TO NC 84

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	4	
F.A. PROJECT NO.			


SOUTH CAROLINA
WAXHAW-MARVIN ROAD
1301
16
#5
Waxhaw Elementary School
Center Grove Free Will Baptist Church
Waxhaw United Methodist Church
Providence Rd
Cuthbertson Rd
Mill Pond Ln
Red Bud Trl
Laurelwood Ln
Sandalwood Dr
Kensington Dr
Meadowood Ln
Pine Oak Rd
Sandberry Dr
Red Oaks Trl
Forest Oaks Ln
Providence Farm Rd
Creekview Dr
Helms Rd
Trails End Dr
Rockwood Dr
Teresa Cir
Howie Mine Rd
East North Main St
Waxhaw Farms Rd
Knotty Pine Rd
Yamassee Rd
Edwin Rd
Pearl St
Price St
McDonald St
Dogwood Dr
Plaster Grove Cir
Sharon Dr
Howie Dr
Lucia Kist Dr
Arbor Dr
Rene Cir
Jenny Ln
Bethel Church Rd
Waxhaw Cemetery
Providence Methodist Church
Waxhaw Presbyterian Church
Waxhaw Fire Dept
Waxhaw Police Dept
Waxhaw Town Hall
Waxhaw Library
Waxhaw Post Office
Waxhaw Family Medical Center
Waxhaw Pediatrics
Waxhaw Dental Care
Waxhaw Animal Hospital
Waxhaw Veterinary Clinic
Waxhaw Auto Repair
Waxhaw Auto Parts
Waxhaw Auto Sales
Waxhaw Auto Service
Waxhaw Auto Body
Waxhaw Auto Glass
Waxhaw Auto Detail
Waxhaw Auto Wash
Waxhaw Auto Rental
Waxhaw Auto Leasing
Waxhaw Auto Insurance
Waxhaw Auto Finance
Waxhaw Auto Dealer
Waxhaw Auto Mall
Waxhaw Auto Center
Waxhaw Auto Plaza
Waxhaw Auto Park
Waxhaw Auto Lot
Waxhaw Auto Yard
Waxhaw Auto Shop
Waxhaw Auto Garage
Waxhaw Auto Repair Shop
Waxhaw Auto Parts Store
Waxhaw Auto Sales Lot
Waxhaw Auto Service Center
Waxhaw Auto Body Shop
Waxhaw Auto Glass Shop
Waxhaw Auto Detail Shop
Waxhaw Auto Wash Center
Waxhaw Auto Rental Agency
Waxhaw Auto Leasing Company
Waxhaw Auto Insurance Agency
Waxhaw Auto Finance Company
Waxhaw Auto Dealership
Waxhaw Auto Mall Center
Waxhaw Auto Plaza Park
Waxhaw Auto Lot Yard
Waxhaw Auto Shop Garage
Waxhaw Auto Repair Shop Parts Store
Waxhaw Auto Sales Lot Service Center
Waxhaw Auto Body Shop Glass Shop
Waxhaw Auto Detail Shop Wash Center
Waxhaw Auto Rental Agency Leasing Company
Waxhaw Auto Insurance Agency Finance Company
Waxhaw Auto Dealership Mall Center
Waxhaw Auto Plaza Park Lot Yard
Waxhaw Auto Shop Garage Repair Shop
Waxhaw Auto Parts Store Sales Lot
Waxhaw Auto Service Center Body Shop
Waxhaw Auto Glass Shop Detail Shop
Waxhaw Auto Wash Center Rental Agency
Waxhaw Auto Leasing Company Insurance Agency
Waxhaw Auto Finance Company Dealership
Waxhaw Auto Mall Center Plaza Park
Waxhaw Auto Lot Yard

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	5	
F.A. PROJECT NO.			

#6 - #11



N

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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 #6 SR 2835 CANTERFIELD DRIVE
.05 MILES
FROM SR 1313 JOE KERR ROAD
TO SR 2836 BELMONT LANE

Map #7 SR 2836 BELMONT LANE
0.75 MILES
FROM CUL DE SAC TO CUL DE SAC

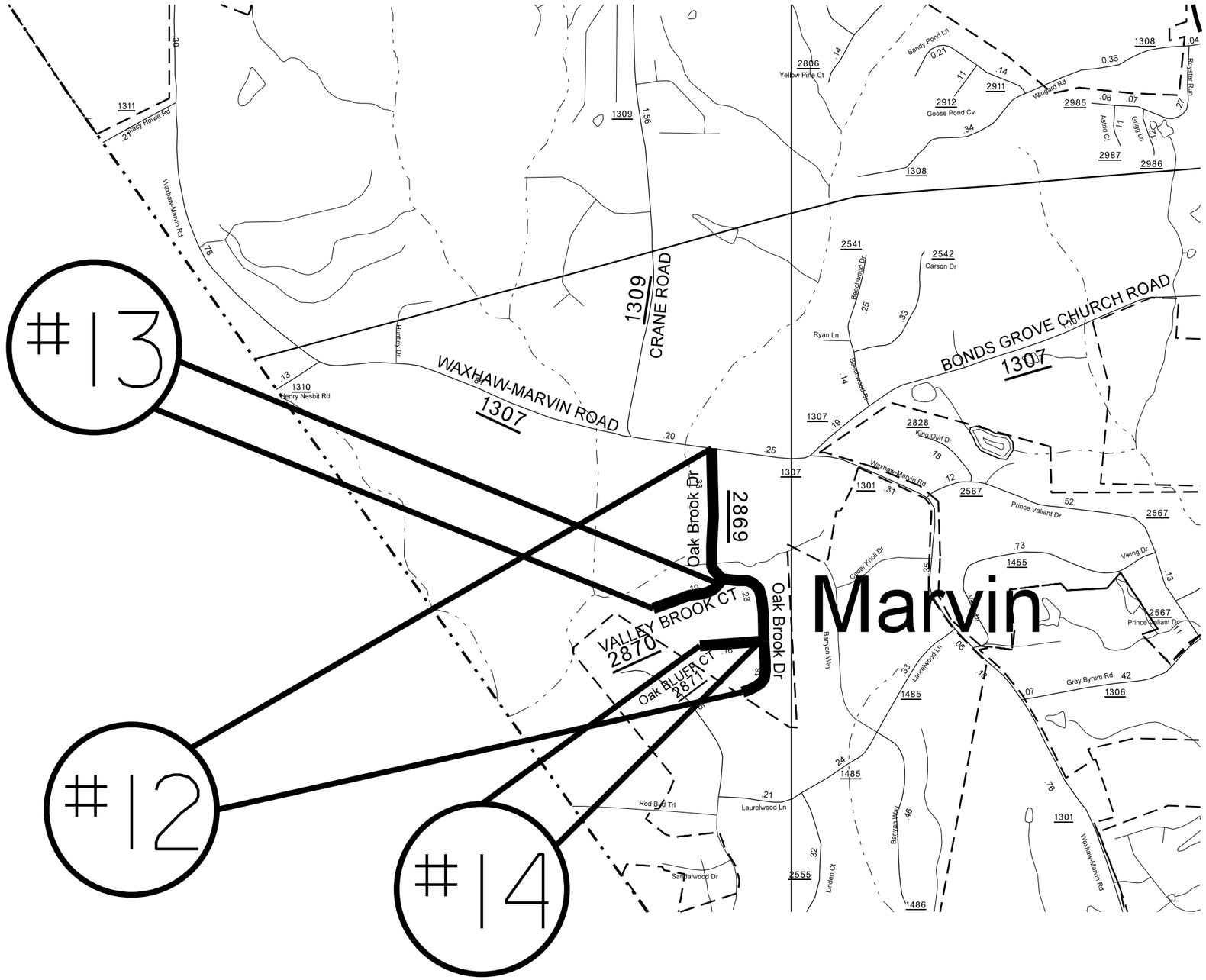
Map #8 SR 2838 PONDVIEW COURT
0.05 MILES
FROM SR 2836 BELMONT LANE
TO CUL DE SAC

Map #9 SR 2839 CLEARWOOD COURT
0.07 MILES
FROM SR 2836 BELMONT LANE
TO CUL DE SAC

Map #10 SR 2840 STREAMSIDE LANE
0.24 MILES
FROM SR 2841 ROCK WATER COURT
TO CUL DE SAC

Map #11 SR 2841 ROCK WATER COURT
0.11 MILES
FROM SR 2840 STREAMSIDE LANE
TO CUL DE SAC

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	6	
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

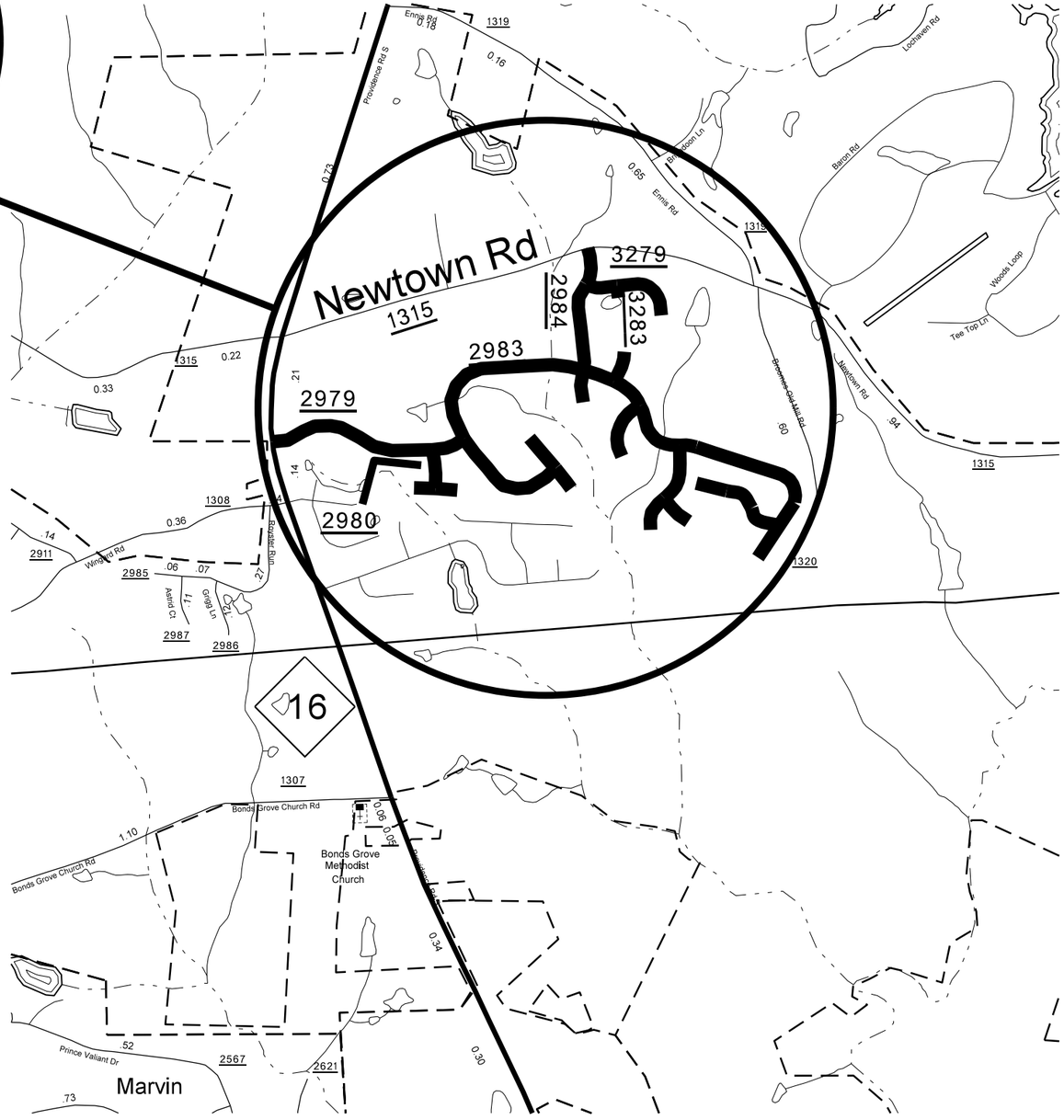
Map #12 SR 2869 OAKBROOK DRIVE
0.7 MILES
FROM SR 1307 WAXHAW-MARVIN ROAD
TO CUL DE SAC

Map #13 SR 2870 VALLEY BROOK COURT
0.2 MILES
FROM SR 2869 OAKBROOK DRIVE
TO CUL DE SAC

Map #14 SR 2871 OAK BLUFF COURT
0.2 MILES
FROM SR 2869 OAKBROOK DRIVE
TO CUL DE SAC

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	7	
F.A. PROJECT NO.			

#15 - #21



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

Map #15 SR 2984 HICKORY RIDGE DRIVE
0.25 MILES
FROM SR 1315 NEWTOWN ROAD
TO SR 2983 STONEHAVEN DRIVE

Map #16 SR 2984 HICKORY RIDGE DRIVE
0.07 MILES
FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC

Map #17 SR 3279 WESTMONT WAY
0.3 MILES
FROM SR 2984 HICKORY RIDGE DRIVE
TO CUL DE SAC

Map #18 SR 3283 FAIRBURNE COURT
0.03 MILES
FROM SR 3279 WESTMONT WAY
TO CUL DE SAC

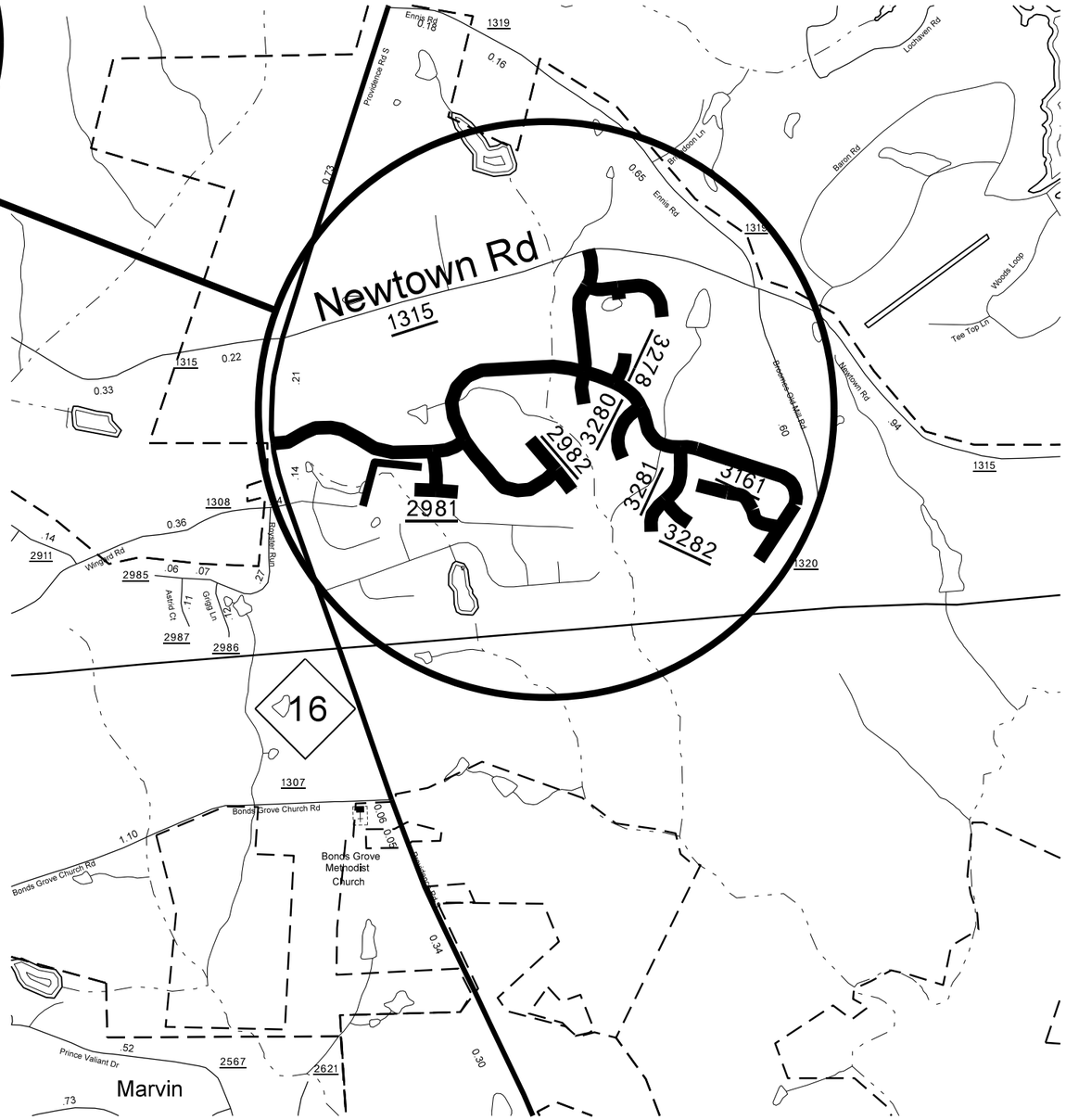
Map #19 SR 2983 STONEHAVEN DRIVE
1.6 MILES
FROM SR 2982 SUMMITVIEW PLANTATION
TO CUL DE SAC

Map #20 SR 2979 WOODMONT DRIVE
0.41 MILES
FROM NC 16
TO SR 2983 STONEHAVEN DRIVE

Map #21 SR 2980 ROSEMONT WAY
0.08 MILES
FROM SR 2979 WOODMONT DRIVE
TO SR 2981 ROCKLAND TRAIL

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	8	
F.A. PROJECT NO.			

#22-#28



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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 #22 SR 2981 ROCKLAND TRAIL
0.1 MILES
FROM CUL DE SAC TO CUL DE SAC

Map #23 SR 2982 SUMMITVIEW PLANTATION
0.14 MILES
FROM CUL DE SAC TO CUL DE SAC

Map #24 SR 3278 OAK SHADOW WAY
0.07 MILES
FROM SR 2983 STONEHAVEN DRIVE
TO CUL DE SAC

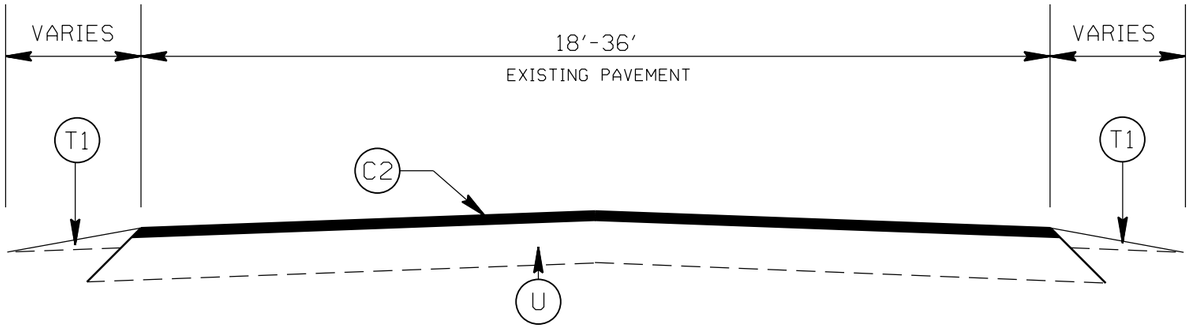
Map #25 SR 3280 STREAMVIEW COURT
0.13 MILES
FROM SR 2983 STONEHAVEN DRIVE
TO CUL DE SAC

Map #26 SR 3281 HIGHLAND FOREST DRIVE
0.42 MILES
FROM SR 2983 STONEHAVEN DRIVE
TO CUL DE SAC

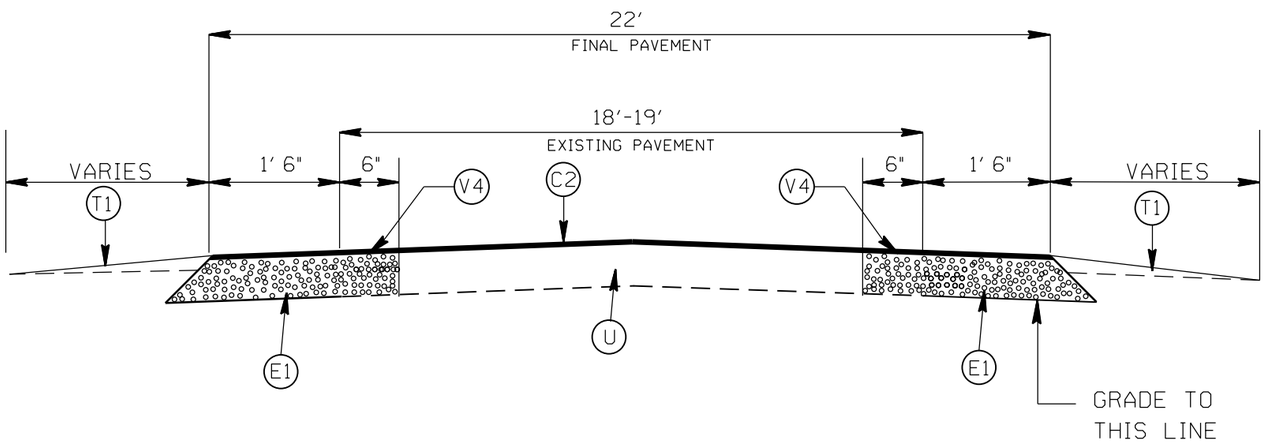
Map #27 SR 3282 BROOKMONT LANE
0.07 MILES
FROM SR 3281 HIGHLAND FOREST DRIVE
TO CUL DE SAC

Map #28 SR 3161 MEADOWGATE LANE
0.16 MILES
FROM SR 2983 STONEHAVEN DRIVE
TO CUL DE SAC

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	9	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 1
SR 1346 HEMBY ROAD (MAP 1)
FROM STA: 10+00 TO STA: 83+35
SR 1338 ANTIOCH CHURCH ROAD (MAP 3)
FROM STA: 10+00 TO STA: 18+00



TYPICAL SECTION NO. 2
SR 1328 SHANNON ROAD (MAP 2)
SR 1338 ANTIOCH CHURCH ROAD (MAP 3)
FROM STA: 31+35 TO STA: 49+00
FROM STA: 62+15 TO STA: 74+35
*SEE NOTE 1

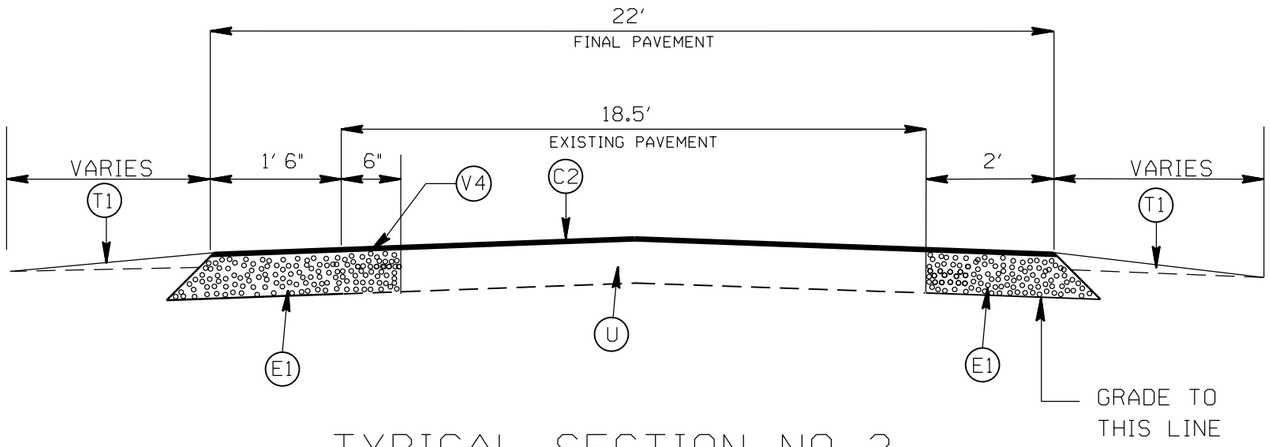
PAVEMENT SCHEDULE

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	PROP. APPROX. 0.5" ASPHALT CONC. SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 50 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQYD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING EXISTING ASPHALT, 0 - 2.0"
V2	PROFILE MILLING EXISTING ASPHALT, 0 - 1.5"
V3	PROFILE MILLING EXISTING ASPHALT, 0 - 1.0"
V4	MILLING EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
U	EXISTING PAVEMENT

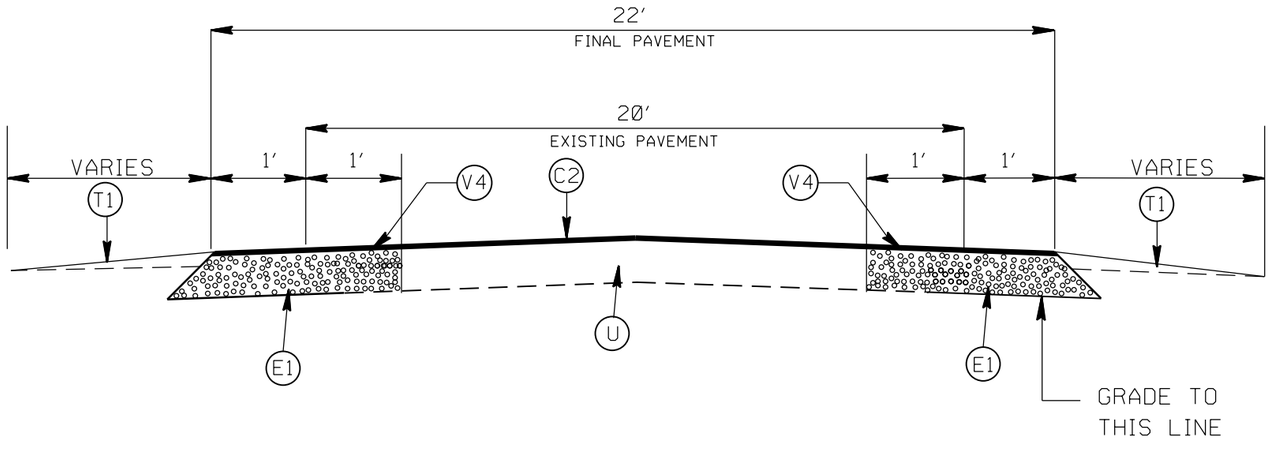
2018-2019
ANSON COUNTY RESURFACING

		REVISIONS	
SCALE	-NA-		
DATE	01/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	10	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 3
SR 1338 ANTIOCH CHURCH ROAD (MAP 3)
FROM STA: 18+00 TO STA: 22+00



TYPICAL SECTION NO. 4
SR 1338 ANTIOCH CHURCH ROAD (MAP 3)
FROM STA: 83+45 TO STA: 155+55
SR 1338 ANTIOCH CHURCH ROAD (MAP 4)

PAVEMENT SCHEDULE

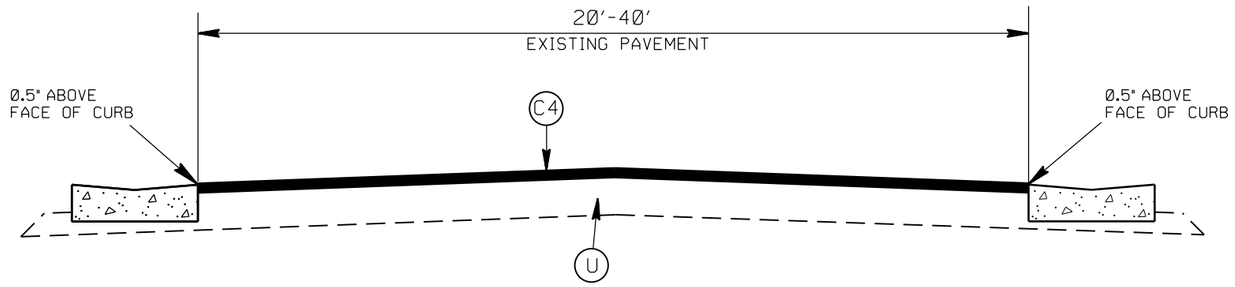
C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C4	PROP. APPROX. 0.5" ASPHALT CONC. SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 50 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQYD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING EXISTING ASPHALT, 0 - 2.0"
V2	PROFILE MILLING EXISTING ASPHALT, 0 - 1.5"
V3	PROFILE MILLING EXISTING ASPHALT, 0 - 1.0"
V4	MILLING EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
U	EXISTING PAVEMENT

2018-2019
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	01/18
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA

REVISIONS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901-ETC.	| |	
F.A. PROJECT NO.			

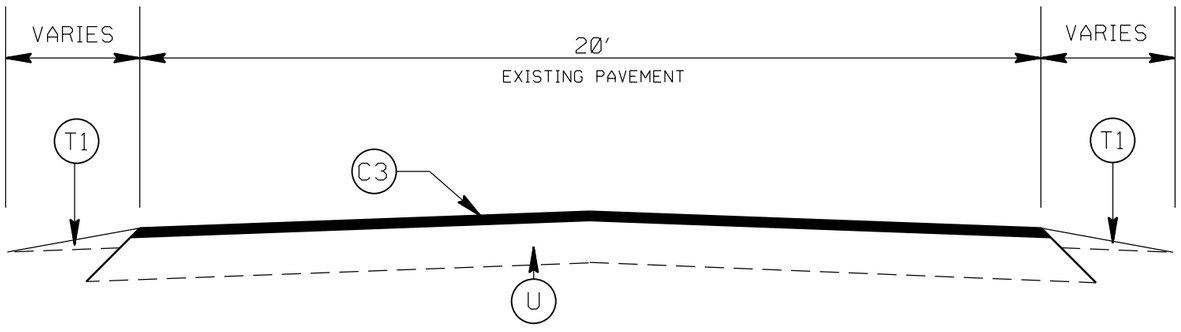


TYPICAL SECTION NO. 5

SR 2835 CANTERFIELD DRIVE (MAP 6)
SR 2836 BELMONT LANE (MAP 7)
SR 2838 PONDVIEW COURT (MAP 8)
SR 2839 CLEARWOOD COURT (MAP 9)
SR 2840 STREAMSIDE LANE (MAP 10)
SR 2841 ROCK WATER COURT (MAP 11)

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	PROP. APPROX. 0.5" ASPHALT CONC. SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 50 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQYD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING EXISTING ASPHALT, 0 - 2.0"
V2	PROFILE MILLING EXISTING ASPHALT, 0 - 1.5"
V3	PROFILE MILLING EXISTING ASPHALT, 0 - 1.0"
V4	MILLING EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
U	EXISTING PAVEMENT



TYPICAL SECTION NO. 6

SR 2869 OAKBROOK DRIVE (MAP 12)
SR 2870 VALLEY BROOK COURT (MAP 13)
SR 2871 OAK BLUFF COURT (MAP 14)

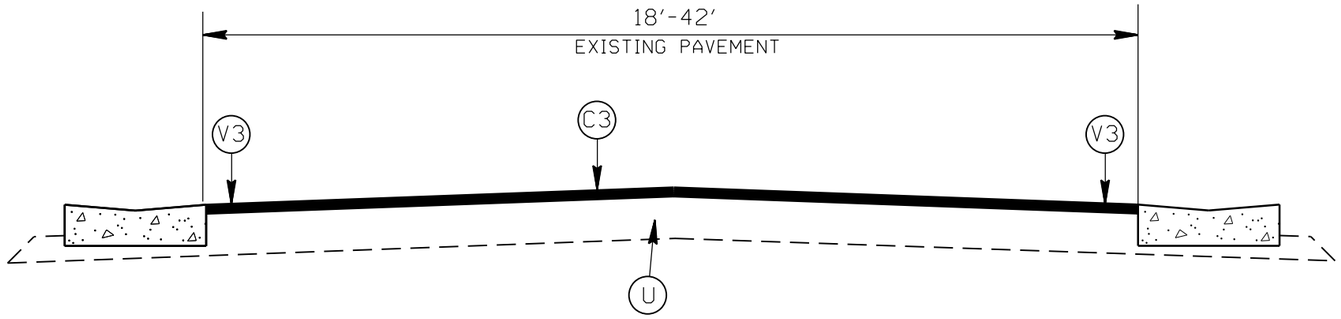
* SEE NOTE 4

2018-2019
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	01/18
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	12	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 7

SR 2984 HICKORY RIDGE (MAPS 15 & 16)
SR 3279 WESTMONT WAY (MAP 17)
SR 3283 FAIRBURNE COURT (MAP 18)
SR 2983 STONEHAVEN DRIVE (MAP 19)
SR 2979 WOODMONT DRIVE (MAP 20)
SR 2980 ROSEMONT WAY (MAP 21)
SR 2981 ROCKLAND TRAIL (MAP 22)
SR 2982 SUMMIT VIEW PLANTATION (MAP 23)
SR 3278 OAK SHADOW WAY (MAP 24)
SR 3280 STREAMVIEW COURT (MAP 25)
SR 3281 HIGHLAND FOREST DRIVE (MAP 26)
SR 3282 BROOKMONT LANE (MAP 27)
SR 3161 MEADOWGATE LANE (MAP 28)

PAVEMENT SCHEDULE

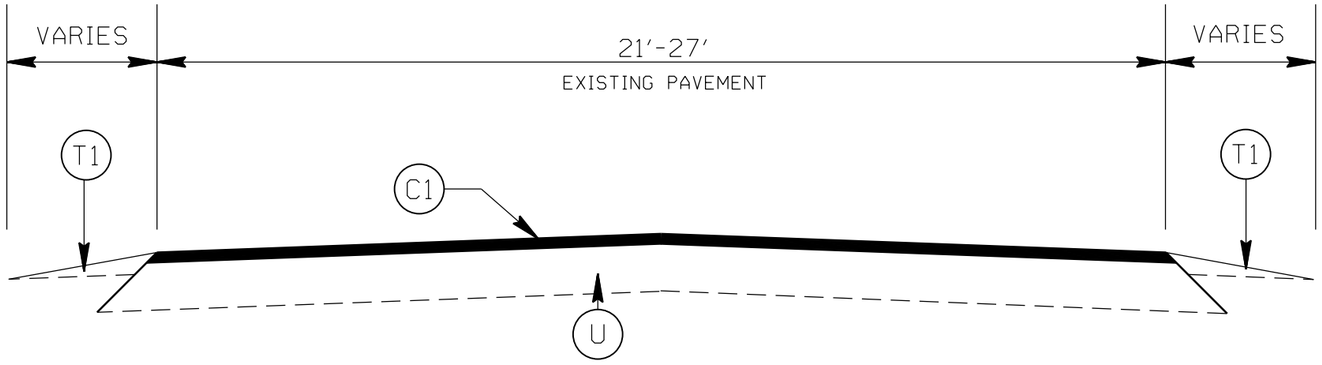
C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
C4	PROP. APPROX. 0.5" ASPHALT CONC. SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 50 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQYD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING EXISTING ASPHALT, 0 - 2.0"
V2	PROFILE MILLING EXISTING ASPHALT, 0 - 1.5"
V3	PROFILE MILLING EXISTING ASPHALT, 0 - 1.0"
V4	MILLING EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
U	EXISTING PAVEMENT

2018-2019
UNION COUNTY RESURFACING

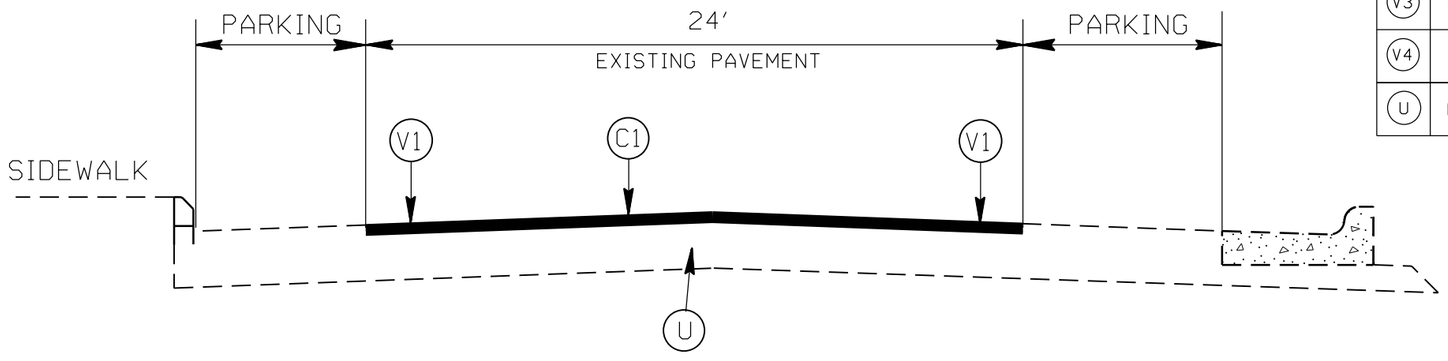
SCALE	-NA-
DATE	01/18
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901-ETC.	13	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 8
SR 1301 WAXHAW-MARVIN ROAD (MAP 5)
FROM STA: 14+70 TO STA: 68+95
FROM STA: 77+00 TO 80+83



TYPICAL SECTION NO. 9
SR 1301 WAXHAW-MAVIN ROAD (MAP 5)
FROM STA: 10+00 TO 14+70

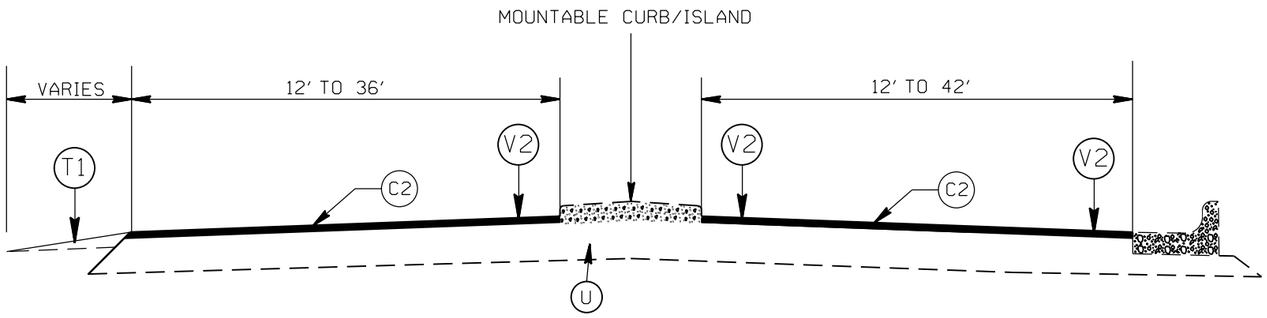
PAVEMENT SCHEDULE

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	PROP. APPROX. 0.5" ASPHALT CONC. SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 50 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQYD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING EXISTING ASPHALT, 0 - 2.0"
V2	PROFILE MILLING EXISTING ASPHALT, 0 - 1.5"
V3	PROFILE MILLING EXISTING ASPHALT, 0 - 1.0"
V4	MILLING EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
U	EXISTING PAVEMENT

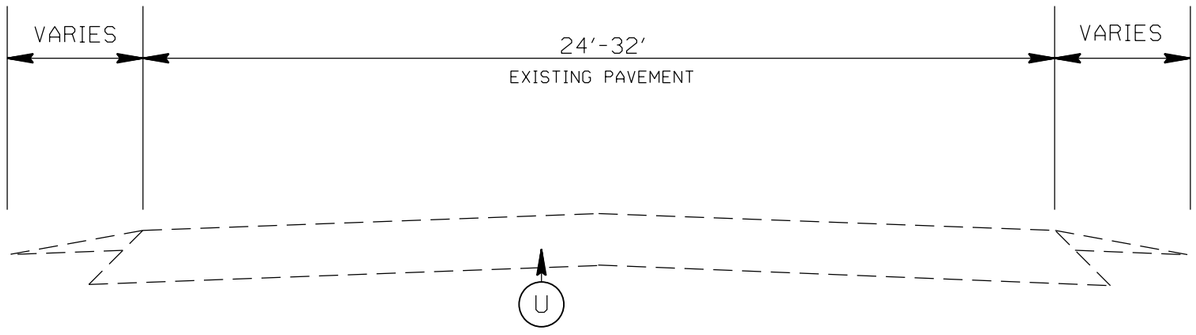
2018-2019
UNION COUNTY RESURFACING

		REVISIONS	
SCALE	-NA-		
DATE	01/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901-ETC.	14	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 10
SR 1346 HEMBY ROAD (MAP 1)
FROM STA: 83+35 TO 90+75



TYPICAL SECTION 11
SR 1301 WAXHAW-MARVIN ROAD (MAP 5)
FROM STA: 68+95 TO STA: 77+00
SR 1338 ANTIOCH CHURCH ROAD (MAP 3)
FROM STA: 22+00 TO STA: 31+35
FROM STA: 49+00 TO STA: 62+15
FROM STA: 74+35 TO STA: 83+45
*SEE NOTE 3

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.
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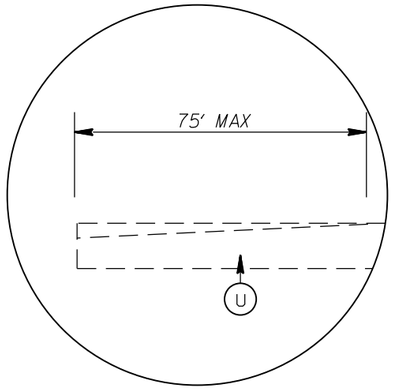
E1	PROP. APPROX. 5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQYD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING EXISTING ASPHALT, 0 - 2.0"
V2	PROFILE MILLING EXISTING ASPHALT, 0 - 1.5"
V3	PROFILE MILLING EXISTING ASPHALT, 0 - 1.0"
V4	MILLING EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
U	EXISTING PAVEMENT

2018-2019
UNION COUNTY RESURFACING

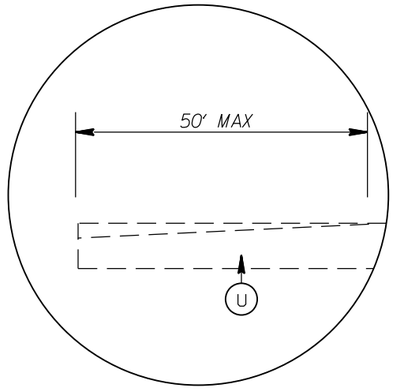
SCALE	-NA-
DATE	01/18
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA

REVISIONS	

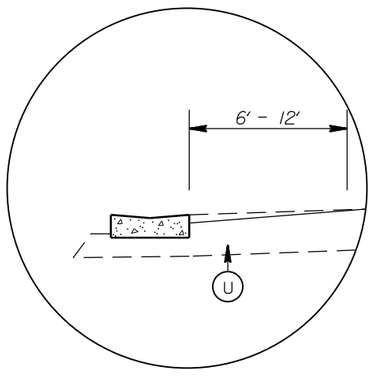
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	15	
F.A. PROJECT NO.			



DETAIL FOR INCIDENTAL MILLING (0" TO 2.0")

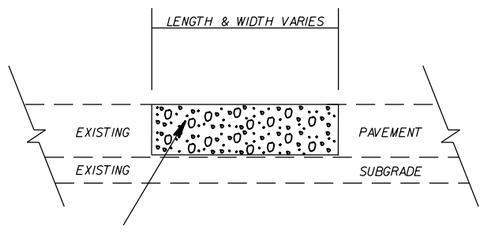


DETAIL FOR INCIDENTAL MILLING (0" TO 1.5")



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.
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E1	PROP. APPROX. 5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQYD.
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U	EXISTING PAVEMENT

2018-2019
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	01/18
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.10.04.20901.1-ETC.	16	
F.A. PROJECT NO.			

2019CPT.10.04.20901.1-ETC.

NOTES:

1. ON MAP 2, MILL AND FILL BRIDGE WITH 1.5" S9.5C.

2: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

3: NO WORK, CONTRACTOR SHALL SKIP THESE AREA.

4: 0 - 1" PROFILE MILLING IN RADIUS AND CUL DE SACS

5: PROFILE MILLING WILL BE AS DIRECTED BY THE ENGINEER.

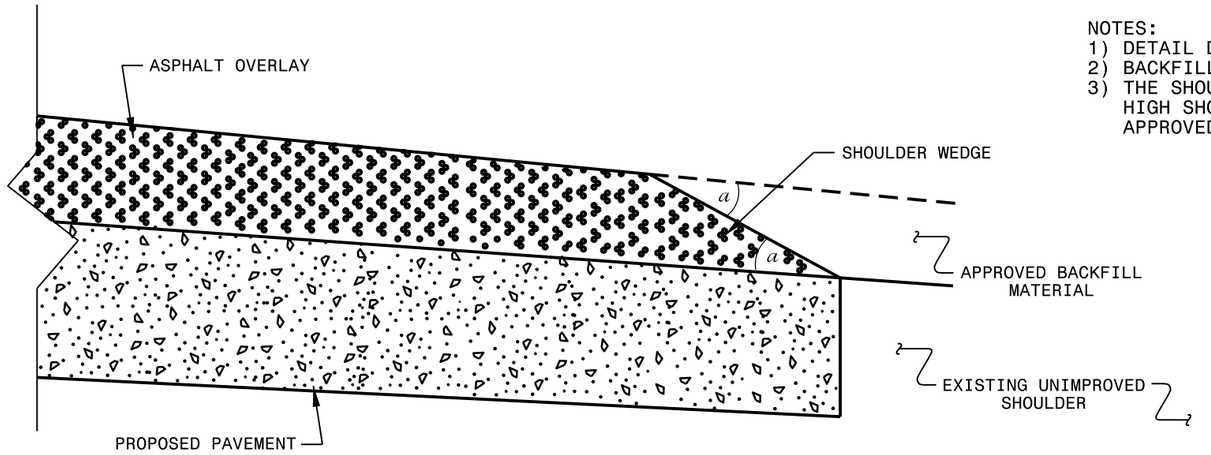
6: SIGNAL LOOPS WILL BE HANDLED BY STATE FORCES.

2018-2019
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	01/18
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA

REVISIONS	

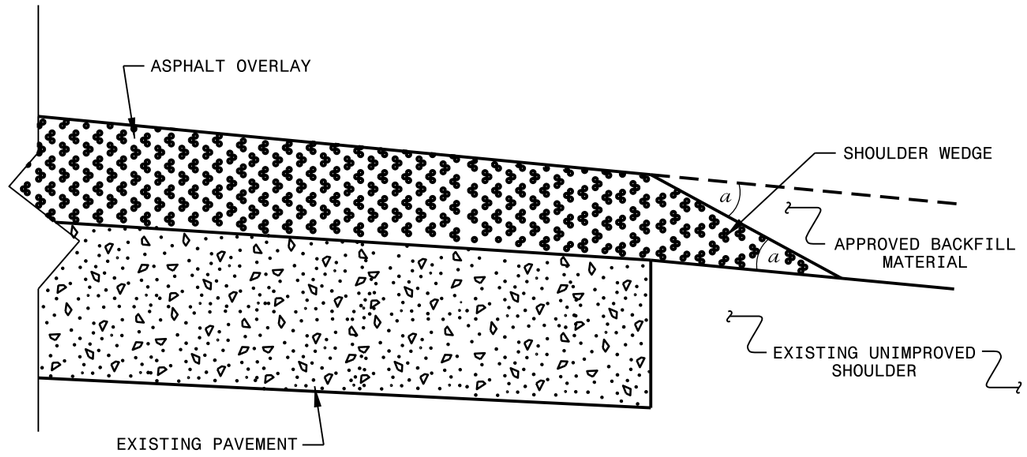
PROJECT REFERENCE NO.	SHEET NO.
2019CPT.10.04.20901.1, etc	17



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.

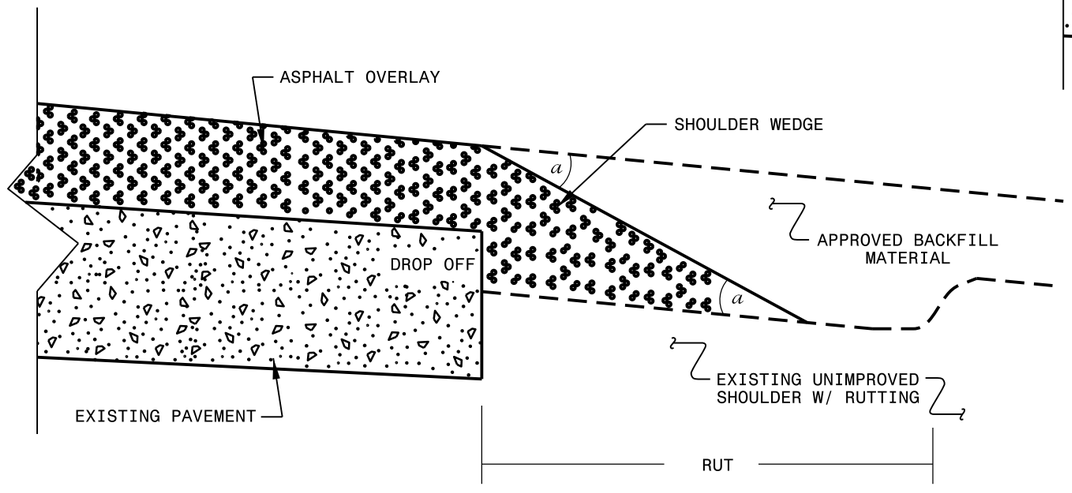
SHOULDER WEDGE DETAIL

(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

22-JAN-2018 09:41
S:\Contracts\Contracts\Resurfacing Projects\Division 4\I-5937 Wilson March 2018\Revised Shoulder Wedge Detail.dgn
pporter AI CSD-2925/2

PROJECT NO.	SHEET NO.	TOTAL NO.
2019CPT.10.04.20901.1, etc.	18	

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	BORROW	INCI-DENTAL STONE BASE	SHOULDER RECONSTRUCTION	1½" MILLING	0" TO 1.5" MILLING	0" TO 2" MILLING	0" TO 1" MILLING	INCI-DENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	LEVELING COURSE, S9.5C	ACSC S4.75A	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	RETROFIT EXI. CURB RAMP (std. drawings 848.05/848.06)	CONC CURB RAMPS	6" DRIVE-WAYS	ADJ. OF MAN-HOLES	ADJ. OF METER OR VALVE BOXES	TEMP SILT FENCE	STONE FOR EC, CLASS B	SEDI-MENT CON-TROL STONE	WATTLE	POLY-ACRYLA-MIDE (PAM)
										MI	FT	CY	TONS	SMI	SY	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TON	TONS	TONS	EA	EA	SY	EA	EA	LF	TN	TN	LF	LB
2019CPT.10.04.20901.1	Union	1	SR 1346 HEMBY ROAD/ROUTE 40001346	FROM SR 1344 MATTHEWS-WEDDINGTON RD TO NC 16 MILEPOST 4.7 TO 6.2	1, 10	2	2WU	NO	NO	**1.5**	20-42	**235**	**65**	**3.0**		**2,430**			**605**				**2,410**	**600**		**181**	**675**			**100**			**207**	**28**	**14**	**207**	**1**
2019CPT.10.04.20901.2	Union	2	SR 1328 SHANNON ROAD/ ROUTE 40001328	FROM WAXHAW-INDIAN TRAIL ROAD TO PLEASANT GROVE ROAD MILE POST 0 TO 1.1	2	2	2WU	NO	NO	**1.1**	22	**175**	**140**	**2.3**	**134**				**262**	**846**			1,415	**473**		**151**	**460**						**345**	**23**	**12**	**345**	**1**
2019CPT.10.04.20901.3	Union	3	SR 1338 ANTIOCH CHURCH ROAD/ROUTE 40001338	FROM SR 1358 FOREST LAWN ROAD TO SR 1346 BEULAH CHURCH ROAD,FROM MILEPOST 0 TO 2.8	1, 2, 3, 4, 11	2	2WU	NO	NO	**2.8**	22	**396**	**65**	**4.4**					**1,243**	**1,476**			2,794	**968**		**292**	**990**			**650**		**1**	**660**	**66**	**33**	**660**	**2**
2019CPT.10.04.20901.4	Union	4	SR 1338 ANTIOCH CHURCH ROAD/ROUTE 40001338	FROM SR 1346 BEULAH CHURCH ROAD TO NC 84, MILEPOST 2.8 TO 4.1	4	2	2WU	NO	NO	**1.3**	22	**243**	**55**	**2.7**					**369**	**973**			1,665	**732**		**188**	**598**			**225**			**399**	**40**	**20**	**399**	**1**
2019CPT.10.04.20901.5	Union	5	SR 1301 WAXHAW-MARVIN ROAD/ROUTE 40001301	FROM NC 16 TO PVMT JT 1.3 MILES NORTHWEST MILEPOST 0 TO 1.3	8, 9, 11	2	2WU	NO	NO	**1.3**	24	**242**	**90**	**2.4**				**625**	**893**				2,014	**495**		**151**	**540**			**75**	**1**	**3**	**180**	**24**	**12**	**180**	
2019CPT.10.04.20901.6	Union	6	SR 2835 CANTERFIELD DRIVE/ROUTE 40002835	FROM SR 1313 JOE KERR ROAD TO SR 2836 BELMONT LANE MILEPOST 0 TO 0.05	5	2	2WU	NO	NO	0.05	40								406						35	2	20										
		7	SR 2836 BELMONT LANE/ROUTE 40002836	FROM CUL DE SAC TO CUL DE SAC MILEPOST 0 TO 0.75	5	2	2WU	NO	NO	0.75	22														333	23	100										
		8	SR 2838 PONDVIEW COURT/ROUTE 40002838	FROM SR 2836 BELMONT LANE TO CUL DE SAC MILEPOST 0 TO 0.05	5	2	2WU	NO	NO	0.05	20														16	1	15										
		9	SR 2839 CLEARWOOD COURT/ROUTE 40002839	FROM SR 2836 BELMONT LANE TO CUL DE SAC MILEPOST 0 TO 0.07	5	2	2WU	NO	NO	0.07	20														22	2											
		10	SR 2840 STREAMSIDE LANE/ROUTE 40002840	FROM SR 2841 ROCK WATER COURT TO CUL DE SAC MILEPOST 0 TO 0.24	5	2	2WU	NO	NO	0.24	24														86	6	50										
		11	SR 2841 ROCK WATER COURT/ROUTE 40002841	FROM SR 2840 STREAMSIDE LANE TO CUL DE SAC MILEPOST 0 TO 0.11	5	2	2WU	NO	NO	0.11	20														36	3	20										
TOTAL FOR PROJ NO. 2019CPT.10.04.20901.6										**1.27**									**406**						**528**	**37**	**205**										
2019CPT.10.04.20901.7	Union	12	SR 2869 OAKBROOK DRIVE/ROUTE 40002869	FROM SR 1307 WAXHAW-MARVIN ROAD TO CUL DE SAC MILEPOST 0 TO 0.7	6	2	2WU	NO	NO	0.7	20	25		1.4					475	291		512	100				41										
		13	SR 2870 VALLEY BROOK COURT/ROUTE 40002870	FROM 2869 OAKBROOK DRIVE TO CUL DE SAC MILEPOST 0 TO 0.2	6	2	2WU	NO	NO	0.2	20	6		0.5					218			135					9										
		14	SR 2871 OAK BLUFF COURT/ROUTE40002871	FROM SR 2869 OAKBROOK DRIVE TO CUL SE SAC MILEPOST 0 TO 0.2	6	2	2WU	NO	NO	0.2	20	5		0.3					213			114					8										
TOTAL FOR PROJ NO. 2019CPT.10.04.20901.7										**1.1**		**36**		**2.2**					**906**	**291**		**761**	**100**				**58**										
2019CPT.10.04.20901.8	Union	15	SR 2984 HICKORY RIDGE DRIVE/ROUTE 40002984	FROM SR 1315 NEWTOWN ROAD TO SR 2983 STONEHAVEN DRIVE MILEPOST 0 TO 0.25	7	2	2WU	NO	NO	0.25	32								1,850	444		300	50				23	50	6								
		16	SR 2984 HICKORY RIDGE DRIVE/ROUTE 40002984	FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC MILEPOST 0.25 TO 0.32	7	2	2WU	NO	NO	0.07	18								325			44					3				2						
		17	SR 3279 WESTMONT WAY/ROUTE 40003279	FROM SR 2984 HICKORY RIDGE DRIVE TO CUL DE SAC MILEPOST 0 TO 0.3	7	2	2WU	NO	NO	0.3	18								1,200			163					11				6						
		18	SR 3283 FAIRBURNE COURT/ROUTE 40003283	FROM SR 3279 WESTMONT WAY TO CUL DE SAC MILEPOST 0 TO 0.03	7	2	2WU	NO	NO	0.03	18								125			18					1				1						
		19	SR 2983 STONEHAVEN DRIVE/ROUTE 40002983	FROM SR 2982 SUMMIT VIEW PLACE TO CUL DE SAC MILEPOST 0 TO 1.6	7	2	2WU	NO	NO	1.6	32								11,213	57		1,786	50				123	50	18	3	28						
		20	SR 2979 WOODMONT DRIVE/ROUTE 40002979	FROM NC 16 TO SR 2983 STONEHAVEN DRIVE MILEPOST 0 TO 0.41	7	2	2WU	NO	NO	0.41	32								2,880	178		505	220				49	246			6						
		21	SR 2980 ROSEMONT WAY/ROUTE 40002980	FROM SR 2979 ROSEMONT DRIVE TO SR 2981 ROCKLAND TRAIL MILEPOST 0 TO 0.08	7	2	2WU	NO	NO	0.08	18								360			50	40				6		3		2						
TOTAL FOR PROJ NO. 2019CPT.10.04.20901.8										**2.74**									**17,953**	**679**		**2,866**	**360**				**216**	**346**	**27**	**3**		**45**					
2019CPT.10.04.20901.9	Union	22	SR 2981 ROCKLAND TRAIL/ROUTE 40002981	FROM CUL DE SAC TO CUL DE SAC MILEPOST O TO 0.1	7	2	2WU	NO	NO	0.1	18								453			62	35				6				3						
		23	SR 2982 SUMMIT VIEW PLACE/ROUTE 40002982	FROM CUL DE SAC TO CUL DE SAC MILEPOST 0 TO 0.14	7	2		NO	NO	0.14	24								1,000			121					8				4						
		24	SR 3278 OAK SHADOW WAY/ROUTE 40003278	FROM CUL DE SAC TO CUL DE SAC MILEPOST O TO 0.07	7	2	2WU	NO	NO	0.07	18								316			43					3				2						
		25	SR 3280 STREAMVIEW COURT/ ROUTE 40003280	FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC MILEPOST 0 TO 0.13	7	2	2WU	NO	NO	0.13	24								913			111					7		1		3						
		26	SR 3281 HIGHLAND FOREST DRIVE/ROUTE 40003281	FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC MILEPOST 0 TO 0.42	7	2	2WU	NO	NO	0.42	24								3,318			402					27		2		13						
		27	SR 3282 BROOKMONT LANE/ ROUTE 40003282	FROM SR 3281 HIGHLAND FOREST DRIVE TO CUL DE SAC MILEPOST 0 TO 0.07	7	2	2WU	NO	NO	0.07	24								513			63					4				3						
		28	SR 3161 MEADOWGATE LANE/ROUTE 40003161	FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC MILEPOST 0 TO 0.16	7	2	2WU	NO	NO	0.16	24								1,153			140					9	20			4						
TOTAL FOR PROJ NO. 2019CPT.10.04.20901.9										**1.09**									**7,666**			**942**	**35**				**64**	**20**	**3**		**32**					
GRAND TOTAL										**14.20**		**1,327**	**415**	**17.0**	**134**	**2,430**	**625**	**26,525**	**4,748**	**3,295**	**4,569**	**495**	**10,298**	**3,268**	**528**	**1,338**	**3,834**	**30**	**3**	**1,050**	**78**	**4**	**1,791**	**181**	**91**	**1,791**	**5**

PROJECT NO.	SHEET NO.	TOTAL NO.
2019CPT.10.04.20901.1, etc.	19	

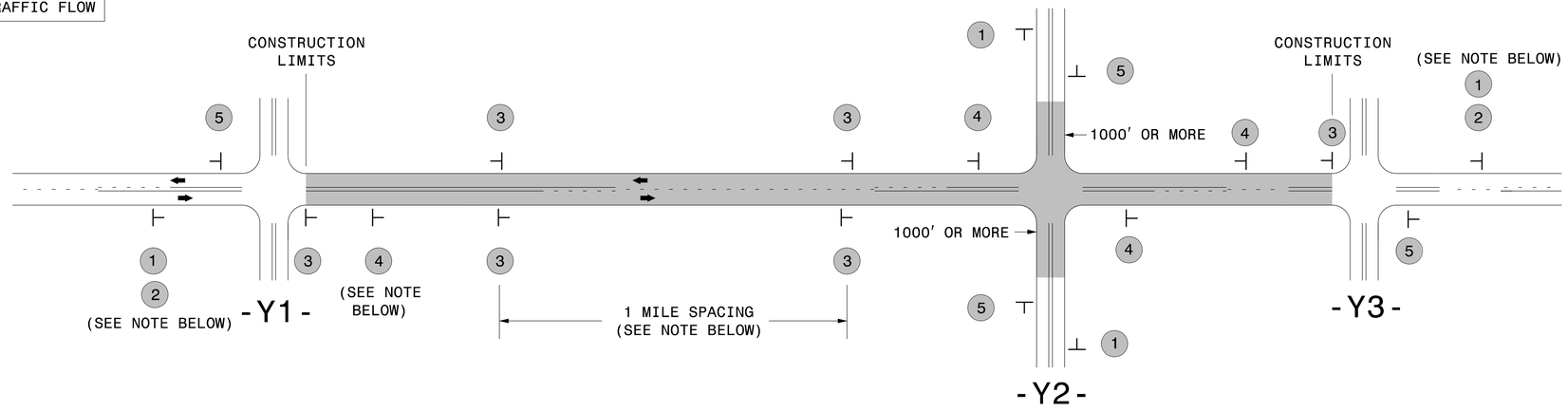
THERMOPLASTIC AND PAINT QUANTITIES

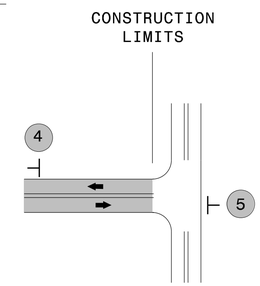
											4413000000-E	445700000	4890000000-E		4695000	4890000000-E		4697000000	4700000000-E		4710000000	4725000000-E					4820000	4835..-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH		WORK ZONE ADVANCE/ GENERAL WARNING SIGNING	TEMP. TRAFFIC CONTROL	4" 90 M WHITE (HRM)	4" 90 M YELLOW (HRM)	8" X 90 M WHITE THERMO	4" 120 M WHITE (HRM)	4" 120 M YELLOW (HRM)	8" X 120 M WHITE THERMO	12" X 90 M WHITE THERMO	12" X 90 M YELLOW THERMO	24" X 120 M WHITE THERMO	THERMO LT ARROW 90 M	THERM O RT ARROW 90 M	THERMO STR & LT ARROW 90 M	MERGE ARROW	THERMO STR & RT ARROW 90 M	8" WHITE PAINT	24" WHITE PAINT
								MI	FT		SF	LS	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF
2019CPT.10.04.20901.1	Union	1	SR 1346 HEMBY ROAD/ROUTE 40001346	FROM SR 1344 MATTHEWS-WEDDINGTON RD TO NC 16 MILEPOST 4.7 TO 6.2	1, 10	2	2WU	**1.5**	20-42			*	**16,150**	**450**	**290**	**836**	**18,084**	**225**	**290**	**125**	**49**	**4**	**6**	**2**	**3**			
													16,600			**18,920**			**415**			**15**					
2019CPT.10.04.20901.2	Union	2	SR 1328 SHANNON ROAD/ ROUTE 40001328	FROM WAXHAW-INDIAN TRAIL ROAD TO PLEASANT GROVE ROAD MILE POST 0 TO 1.1	2	2	2WU	**1.1**	22			*	**12,144**				**12,144**											
													12,144			**12,144**											
2019CPT.10.04.20901.3	Union	3	SR 1338 ANTIOCH CHURCH ROAD/ROUTE 40001338	FROM SR 1358 FOREST LAWN ROAD TO SR 1346 BEULAH CHURCH ROAD,FROM MILEPOST 0 TO 2.8	1, 2, 3, 4, 11	2	2WU	**2.8**	22		157	*	**22,790**			**252**	**23,382**				**42**	**2**				**2**		
													22,790			**23,634**						**4**					
2019CPT.10.04.20901.4	Union	4	SR 1338 ANTIOCH CHURCH ROAD/ROUTE 40001338	FROM SR 1346 BEULAH CHURCH ROAD TO NC 84, MILEPOST 2.8 TO 4.1	4	2	2WU	**1.3**	22			*	**13,960**				**13,960**				**40**							
													13,960			**13,960**											
2019CPT.10.04.20901.5	Union	5	SR 1301 WAXHAW-MARVIN ROAD/ROUTE 40001301	FROM NC 16 TO PVMT JT 1.3 MILES NORTHWEST MILEPOST 0 TO 1.3	8, 9, 11	2	2WU	**1.3**	24			*	**12,548**				**12,548**				**64**							
													12,548			**12,548**											
2019CPT.10.04.20901.6	Union	6	SR 2835 CANTERFIELD DRIVE/ROUTE 40002835	FROM SR 1313 JOE KERR ROAD TO SR 2836 BELMONT LANE MILEPOST 0 TO 0.05	5	2	2WU	0.05	40			*																
		7	SR 2836 BELMONT LANE/ROUTE 40002836	FROM CUL DE SAC TO CUL DE SAC MILEPOST 0 TO 0.75	5	2	2WU	0.75	22																			
		8	SR 2838 PONDVIEW COURT/ROUTE 40002838	FROM SR 2836 BELMONT LANE TO CUL DE SAC MILEPOST 0 TO 0.05	5	2	2WU	0.05	20																			
		9	SR 2839 CLEARWOOD COURT/ROUTE 40002839	FROM SR 2836 BELMONT LANE TO CUL DE SAC MILEPOST 0 TO 0.07	5	2	2WU	0.07	20																			
		10	SR 2840 STREAMSIDE LANE/ROUTE 40002840	FROM SR 2841 ROCK WATER COURT TO CUL DE SAC MILEPOST 0 TO 0.24	5	2	2WU	0.24	24																			
		11	SR 2841 ROCK WATER COURT/ROUTE 40002841	FROM SR 2840 STREAMSIDE LANE TO CUL DE SAC MILEPOST 0 TO 0.11	5	2	2WU	0.11	20																			
TOTAL FOR PROJ NO. 2019CPT.10.04.20901.6								**1.27**																				
2019CPT.10.04.20901.7	Union	12	SR 2869 OAKBROOK DRIVE/ROUTE 40002869	FROM SR 1307 WAXHAW-MARVIN ROAD TO CUL DE SAC MILEPOST 0 TO 0.7	6	2	2WU	0.7	20			*																
		13	SR 2870 VALLEY BROOK COURT/ROUTE 40002870	FROM 2869 OAKBROOK DRIVE TO CUL DE SAC MILEPOST 0 TO 0.2	6	2	2WU	0.2	20																			
		14	SR 2871 OAK BLUFF COURT/ROUTE40002871	FROM SR 2869 OAKBROOK DRIVE TO CUL SE SAC MILEPOST 0 TO 0.2	6	2	2WU	0.2	20																			
TOTAL FOR PROJ NO. 2019CPT.10.04.20901.7								**1.1**																				
2019CPT.10.04.20901.8	Union	15	SR 2984 HICKORY RIDGE DRIVE/ROUTE 40002984	FROM SR 1315 NEWTOWN ROAD TO SR 2983 STONEHAVEN DRIVE MILEPOST 0 TO 0.25	7	2	2WU	0.25	32			*																34
		16	SR 2984 HICKORY RIDGE DRIVE/ROUTE 40002984	FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC MILEPOST 0.25 TO 0.32	7	2	2WU	0.07	18																			10
		17	SR 3279 WESTMONT WAY/ROUTE 40003279	FROM SR 2984 HICKORY RIDGE DRIVE TO CUL DE SAC MILEPOST 0 TO 0.3	7	2	2WU	0.3	18																			10
		18	SR 3283 FAIRBURNE COURT/ROUTE 40003283	FROM SR 3279 WESTMONT WAY TO CUL DE SAC MILEPOST 0 TO 0.03	7	2	2WU	0.03	18																			7
		19	SR 2983 STONEHAVEN DRIVE/ROUTE 40002983	FROM SR 2982 SUMMIT VIEW PLACE TO CUL DE SAC MILEPOST 0 TO 1.6	7	2	2WU	1.6	32																			135
		20	SR 2979 WOODMONT DRIVE/ROUTE 40002979	FROM NC 16 TO SR 2983 STONEHAVEN DRIVE MILEPOST 0 TO 0.41	7	2	2WU	0.41	32																			24
		21	SR 2980 ROSEMONT WAY/ROUTE 40002980	FROM SR 2979 ROSEMONT DRIVE TO SR 2981 ROCKLAND TRAIL MILEPOST 0 TO 0.08	7	2	2WU	0.08	18																			20
TOTAL FOR PROJ NO. 2019CPT.10.04.20901.8								**2.74**																			**195**	**240**
2019CPT.10.04.20901.9	Union	22	SR 2981 ROCKLAND TRAIL/ROUTE 40002981	FROM CUL DE SAC TO CUL DE SAC MILEPOST O TO 0.1	7	2	2WU	0.1	18																			
		23	SR 2982 SUMMIT VIEW PLACE/ROUTE 40002982	FROM CUL DE SAC TO CUL DE SAC MILEPOST 0 TO 0.14	7	2		0.14	24																			
		24	SR 3278 OAK SHADOW WAY/ROUTE 40003278	FROM CUL DE SAC TO CUL DE SAC MILEPOST O TO 0.07	7	2	2WU	0.07	18																			10
		25	SR 3280 STREAMVIEW COURT/ ROUTE 40003280	FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC MILEPOST 0 TO 0.13	7	2	2WU	0.13	24			*																12
		26	SR 3281 HIGHLAND FOREST DRIVE/ROUTE 40003281	FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC MILEPOST 0 TO 0.42	7	2	2WU	0.42	24																			15
		27	SR 3282 BROOKMONT LANE/ ROUTE 40003282	FROM SR 3281 HIGHLAND FOREST DRIVE TO CUL DE SAC MILEPOST 0 TO 0.07	7	2	2WU	0.07	24																			12
		28	SR 3161 MEADOWGATE LANE/ROUTE 40003161	FROM SR 2983 STONEHAVEN DRIVE TO CUL DE SAC MILEPOST 0 TO 0.16	7	2	2WU	0.16	24																			12
TOTAL FOR PROJ NO. 2019CPT.10.04.20901.9								**1.09**																				**61**
GRAND TOTAL								**14.2**			**157**	**1**	**77,592**	**450**	**290**	**1,088**	**80,118**	**225**	**290**	**125**	**195**	**6**	**6**	**2**	**3**	**2**	**195**	**301**
													78,042			**81,206**			**415**			**19**					

PROJ. REFERENCE NO.	SHEET NO.
2019CPT.10.04.20901.1, etc.	TMP-1

SIGNING FOR RESURFACING PROJECTS

LEGEND
- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD — W20-1, 48″ X 48″
2 — NEXT XX MILES — W7-3aP, 24″ X 18″

PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.
ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.

#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 — LOWSOFT SHOULDER — SP 13107, 48″ X 48″

- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.

4 — ROAD UNDER CONST — SP 13106, 48″ X 48″

- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.
- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.
- INSTALL 500′ +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.
- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500′ OF EACH APPROACH.
- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.
- FOR TEE INTERSECTIONS, INSTALL WITHIN 500′ +/- OF THE INTERSECTION ALONG -L- LINE.

5 — END ROAD WORK — G20-2 A, 48″ X 24″

PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

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

MAPS LESS THAN 2 MILES

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

-Y- LINE SIGNING

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.

PLACED 500′ IN ADVANCE OF FLAGGER.

PLACED 250′ IN ADVANCE OF FLAGGER.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

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:kedavis

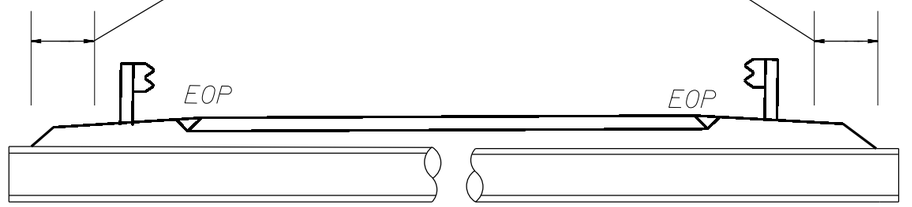
PROJECT REFERENCE NO.	SHEET NO.
2019CPTJ0.04.2090II.ETC	EC-1

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

BMP Options: Wattle or Silt Fence

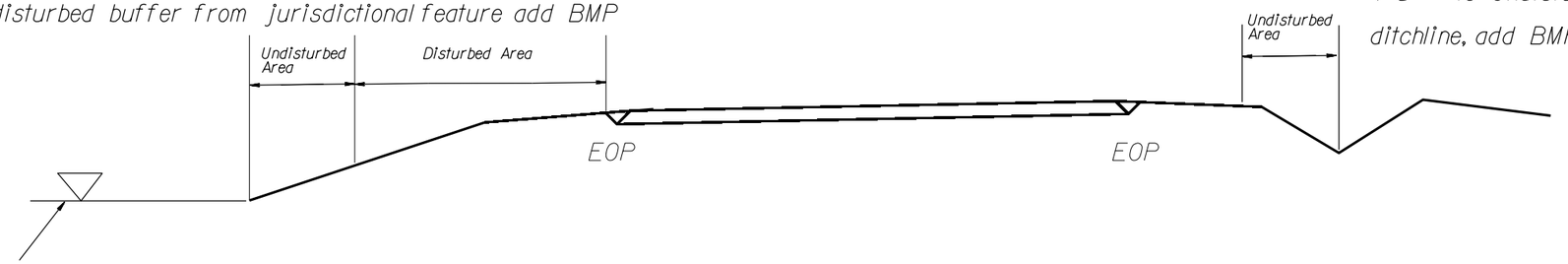
EROSION CONTROL DETAIL

< 5' – 10' Undisturbed buffer add BMP



Pipe/Culvert

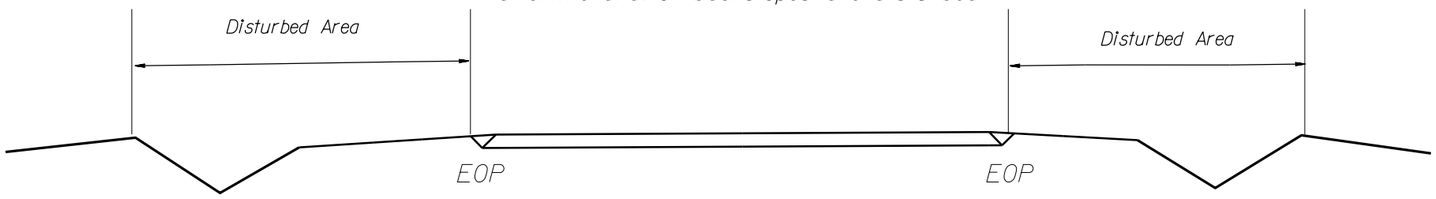
< 5' – 10' Undisturbed buffer from jurisdictional feature add BMP



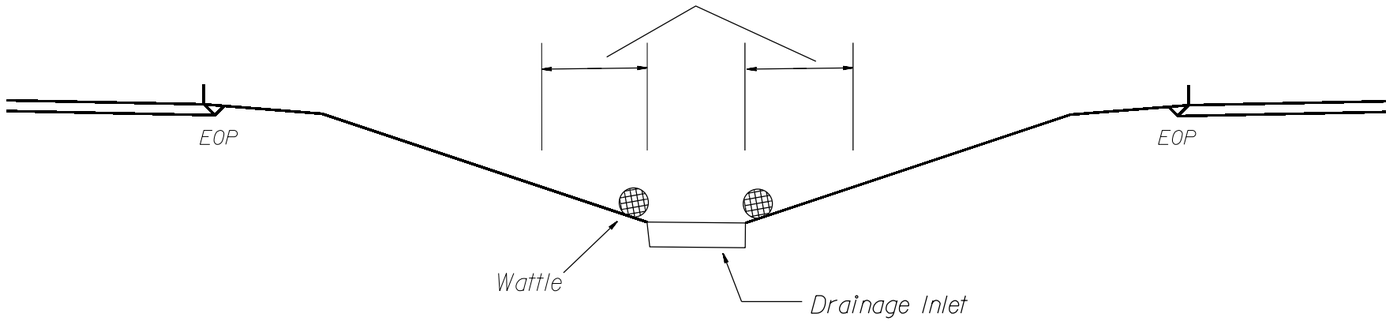
< 5' – 10' Undisturbed buffer from ditchline, add BMP

Jurisdictional Feature

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



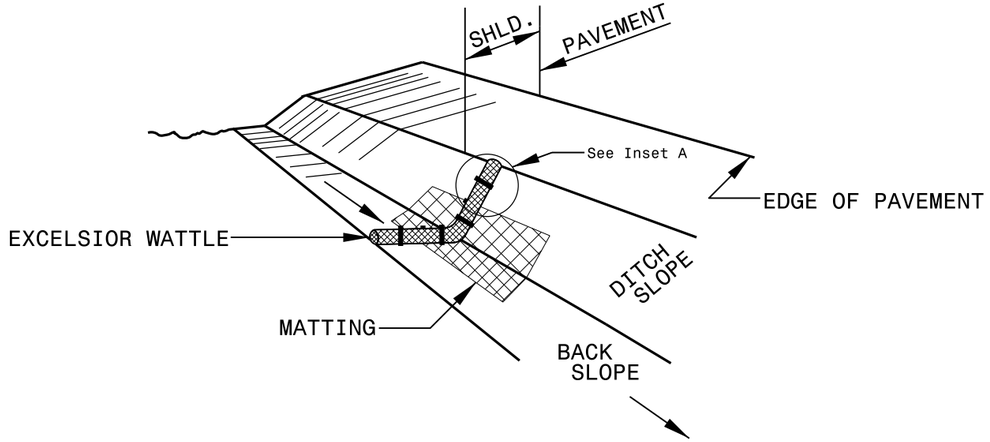
< 5' – 10' Undisturbed buffer from inlet, add wattle



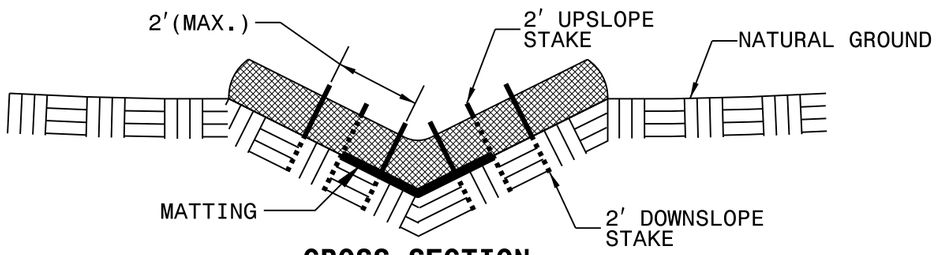
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
2019CPT.10.04.20901.1, etc	EC-2

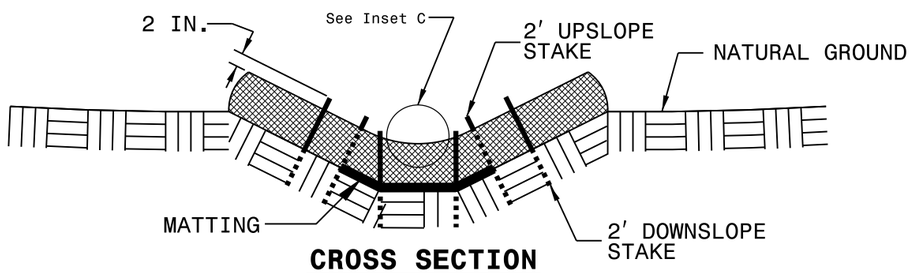
WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



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.

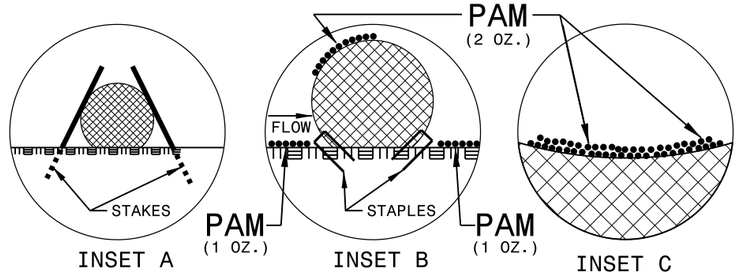
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

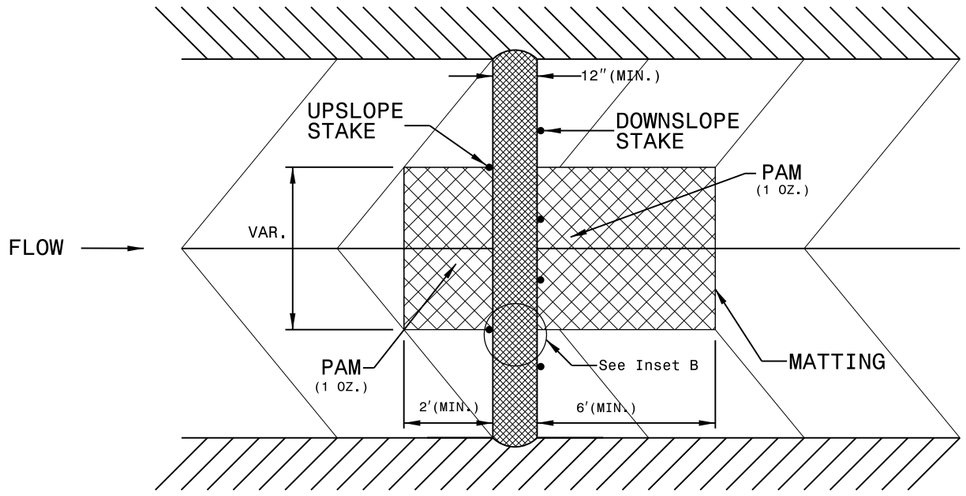
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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

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.





TOP VIEW