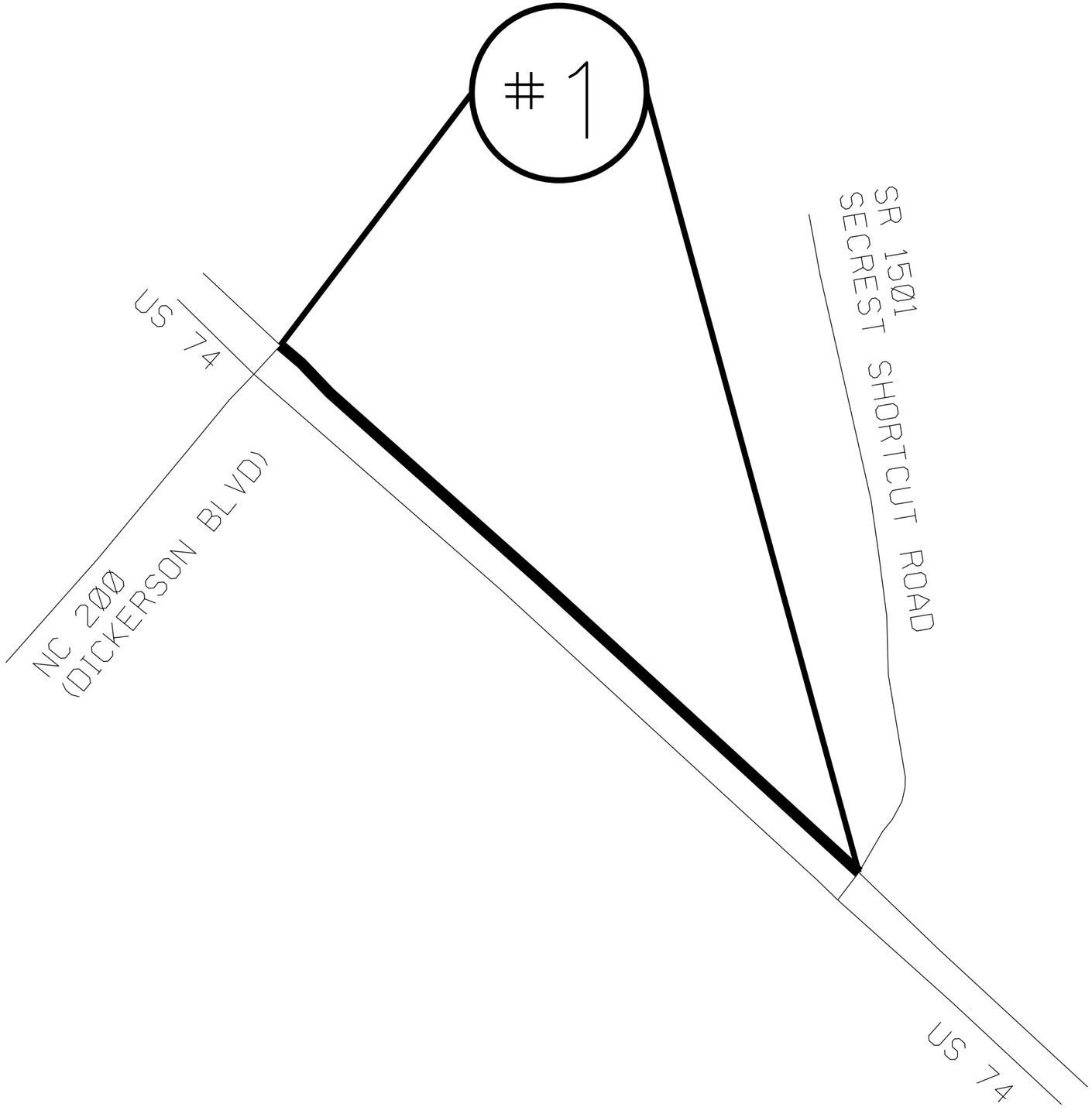
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	1	29
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

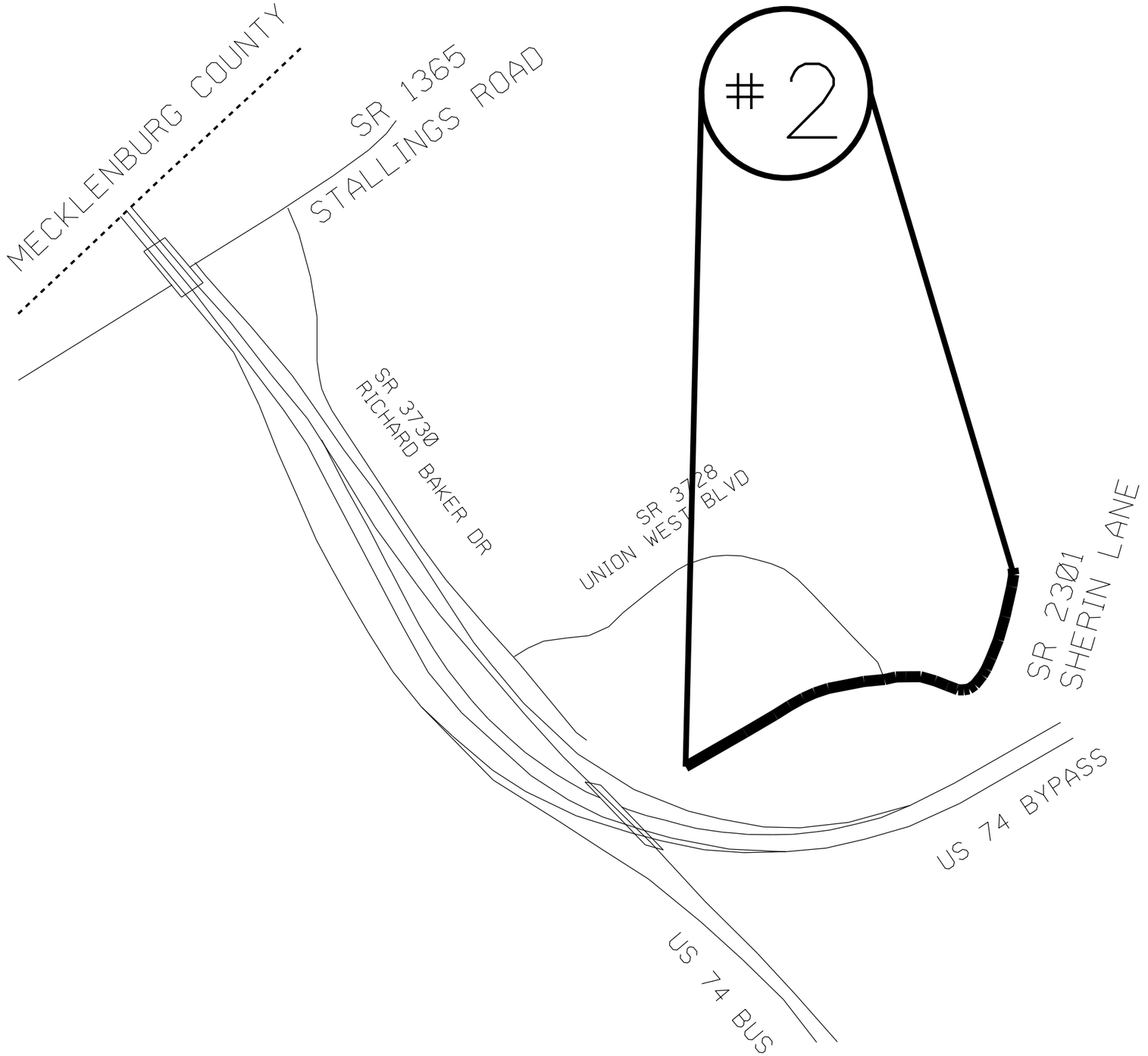
NORTH CAROLINA

PREPARED BY THE

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

Map #1 US 74
0.28 MILES
FROM SR 1501 SECREST SHORTCUT ROAD
TO NC 200 (DICKERSON BLVD)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	2	
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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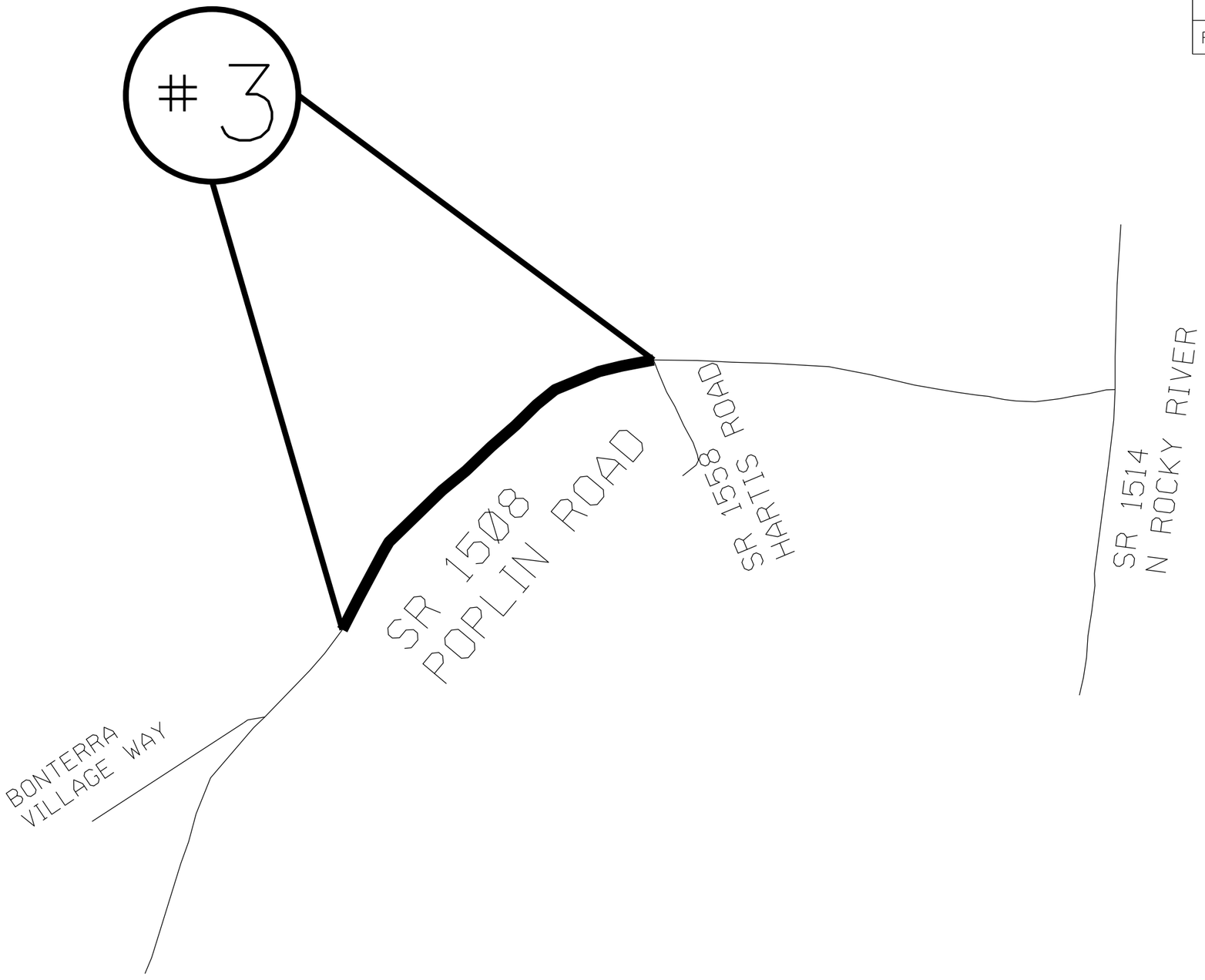
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP # 2 SR 2301 SHERIN LANE
0.39 MILES
FROM END OF MAINTANANCE TO CUL DE SAC

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	3	
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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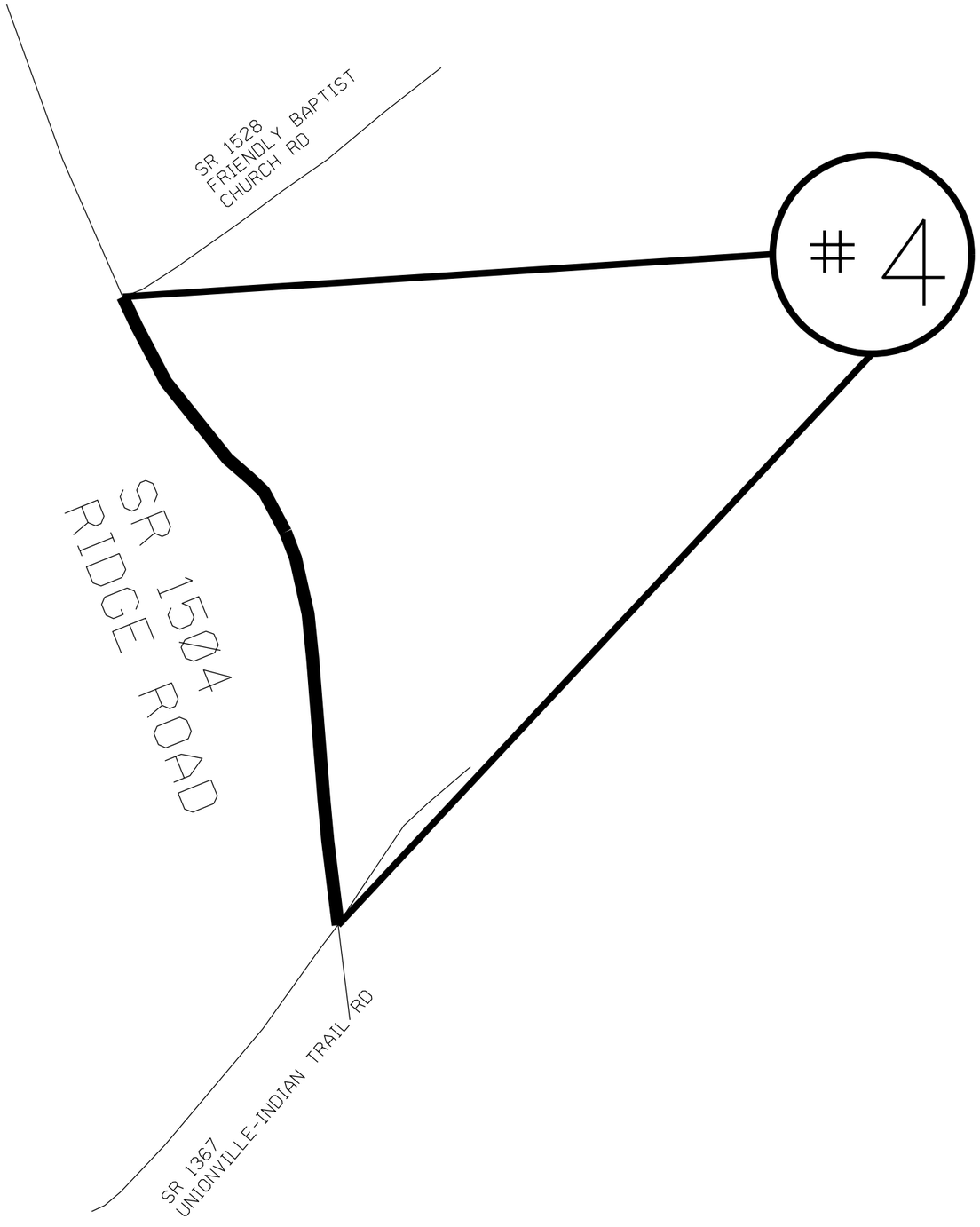
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #3 SR 1508 POPLIN ROAD
0.55 MILES
FROM SR 1558 HARTIS ROAD
TO PAVEMENT JOINT

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	4	
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

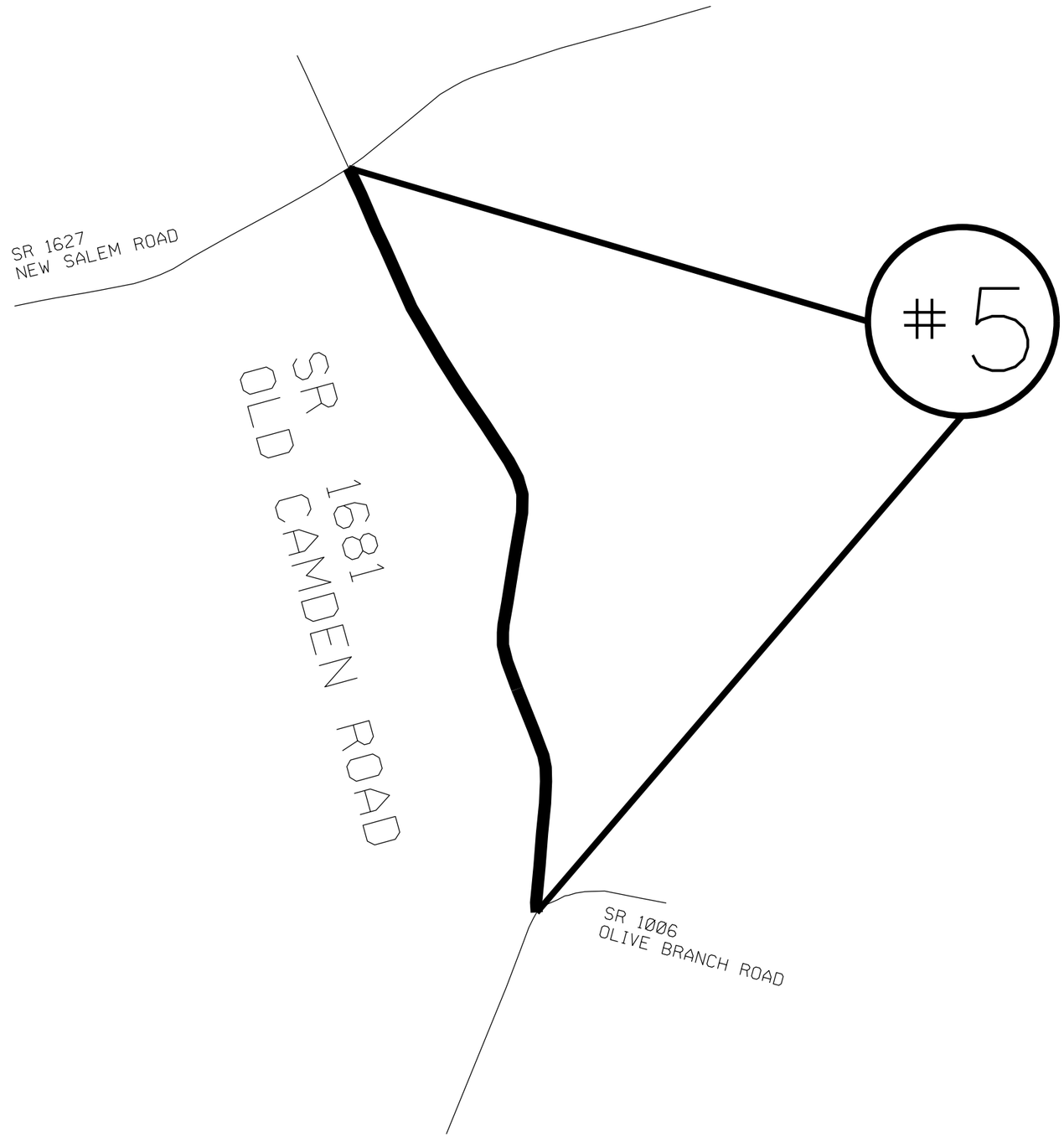
NORTH CAROLINA

PREPARED BY THE

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

MAP #4 SR 1504 RIDGE ROAD
0.46 MILES
FROM SR 1367 UNIONVILLE-INDIAN TRAIL ROAD
TO SR 1528 FRIENDLY BAPTIST CHURCH ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	5	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

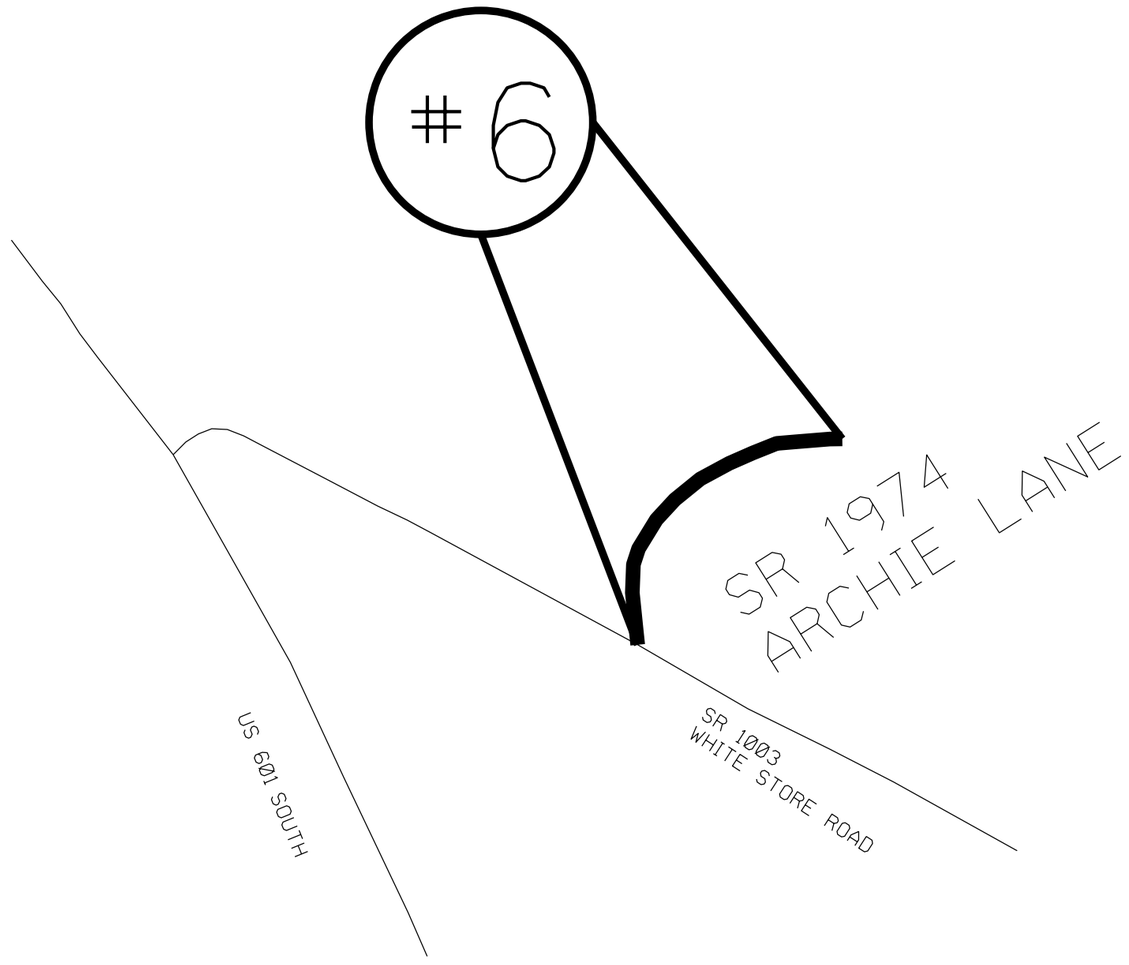
NORTH CAROLINA

PREPARED BY THE

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

MAP #5 SR 1681 OLD CAMDEN ROAD
1.3 MILES
FROM SR 1627 NEW SALEM ROAD
TO SR 1006 OLIVE BRANCH ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	6	
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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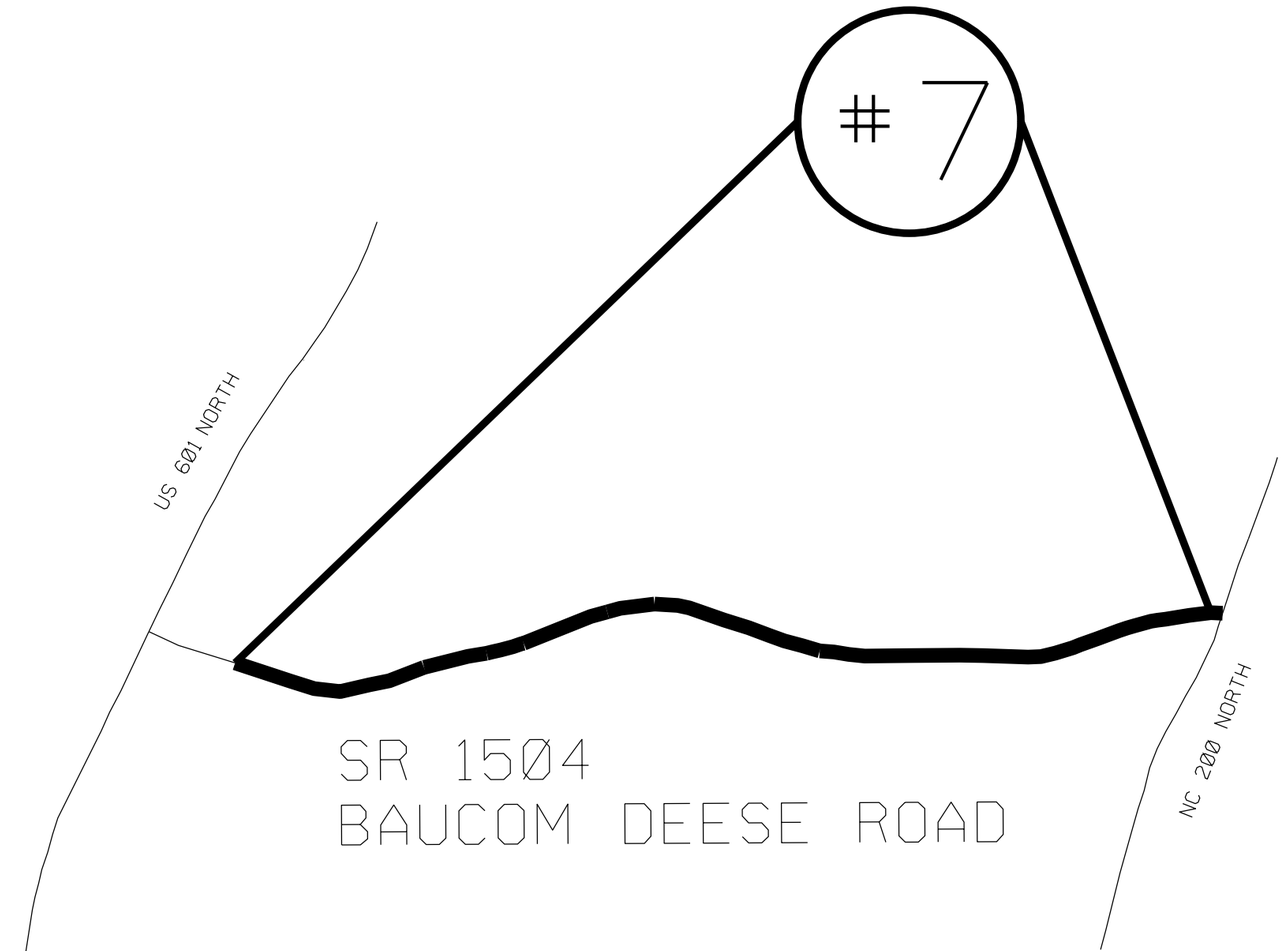
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #6 SR 1974 ARCHIE LANE
0.19 MILES
FROM SR 1003 WHITE STORE ROAD
TO END OF MAINTANANCE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	7	
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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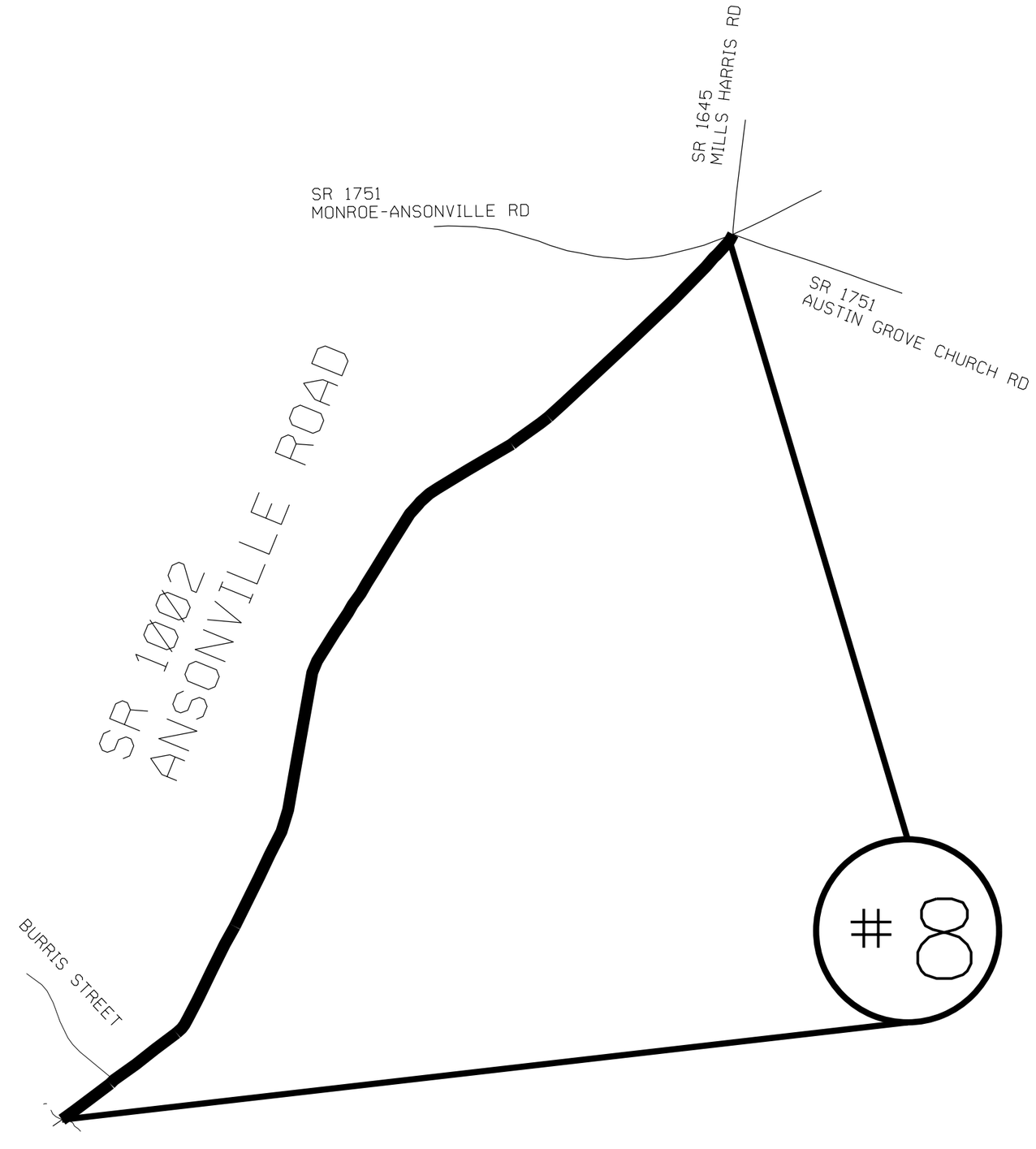
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #7 SR 1504 BAUCOM DEESE ROAD
1.69 MILES
FROM NC 200 NORTH
TO PAVEMENT JOINT AT US 601 NORTH

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	8	
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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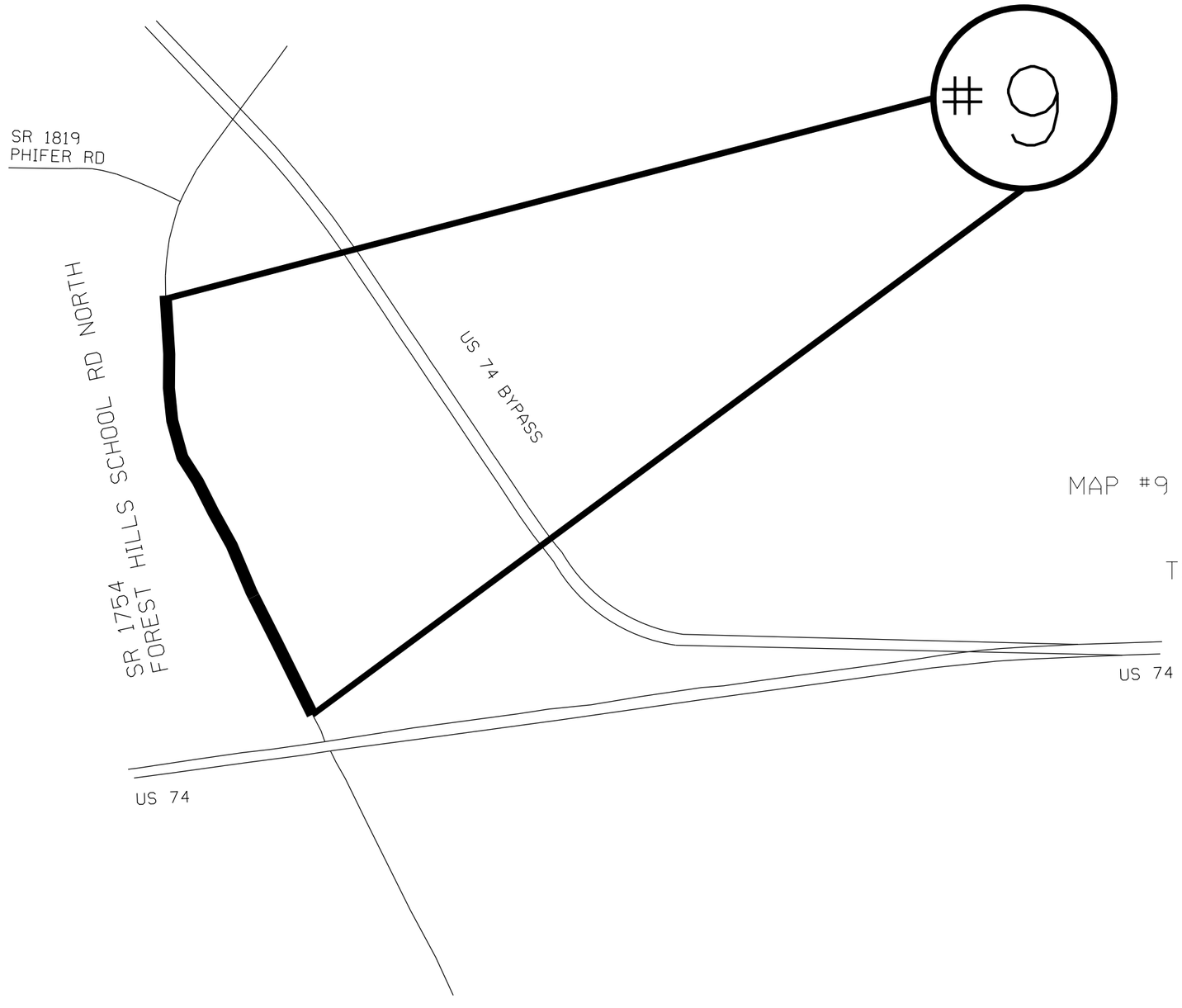
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #8 SR 1002 ANSONVILLE ROAD
1.26 MILES
FROM PAVEMENT JOINT AT BRIDGE NEAR
BURRIS STREET TO SR 1751 AUSTIN GROVE CHURCH ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	9	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

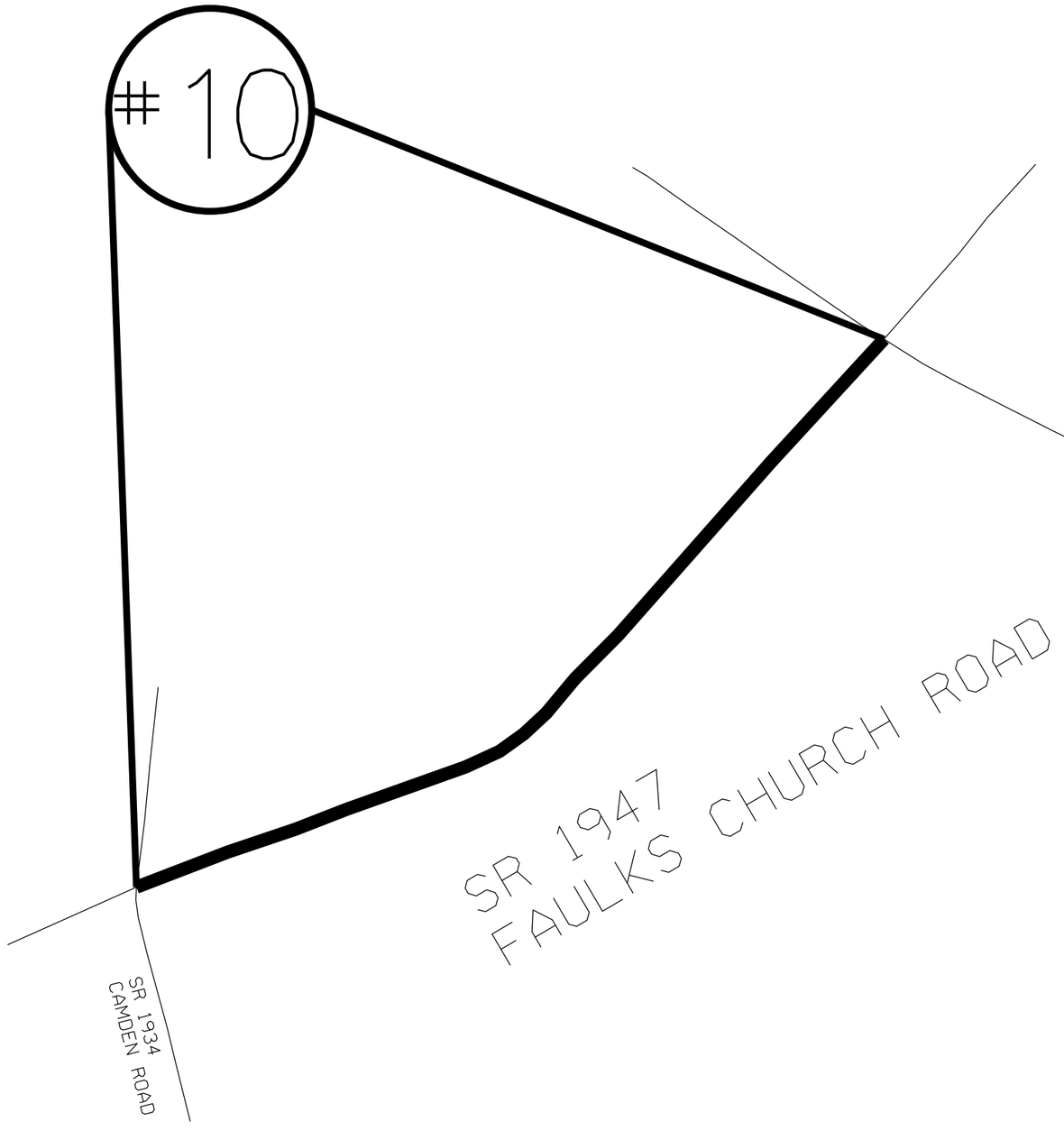
NORTH CAROLINA

PREPARED BY THE

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

MAP #9 SR 1754 FOREST HILLS SCHOOL ROAD NORTH
0.38 MILES
FROM PAVEMENT JOINT AT US 74
TO PAVEMENT JOINT APPROX. 765 FT
FROM SR 1819 PHIFER ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	10	
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

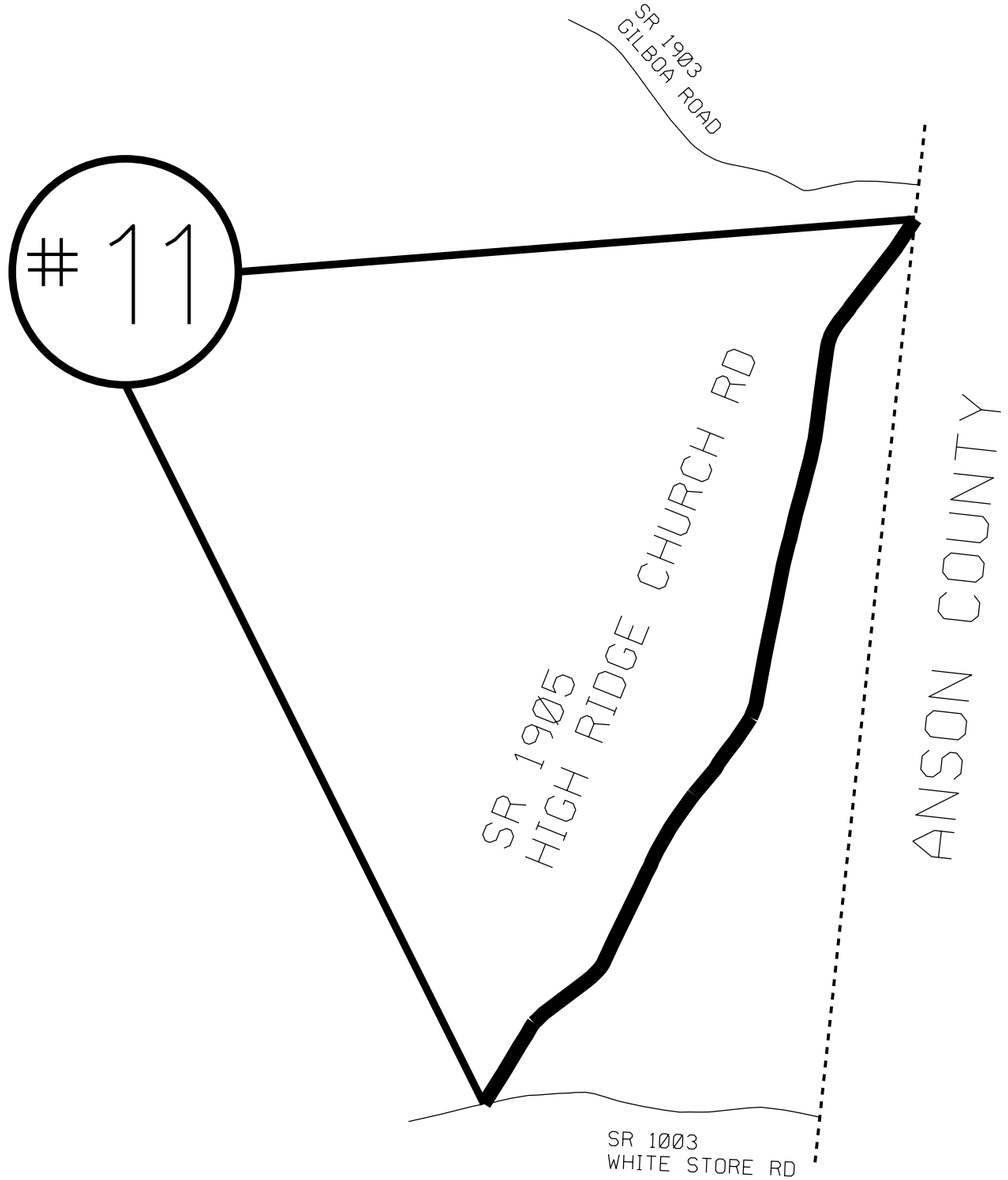
PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #10 SR 1947 FAULKS CHURCH ROAD
0.80 MILES
FROM SR 1934 CAMDEN ROAD
TO SR 1903 GILBOA ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.10.10901 2023CPT.10.10.20901	11	
F.A. PROJECT NO.			



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ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

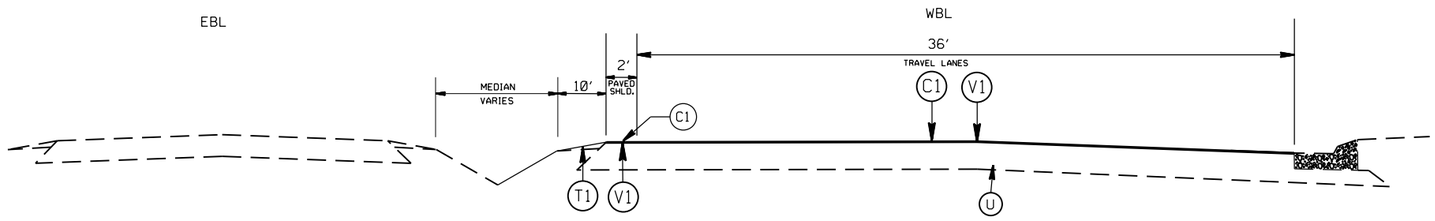
NORTH CAROLINA

PREPARED BY THE

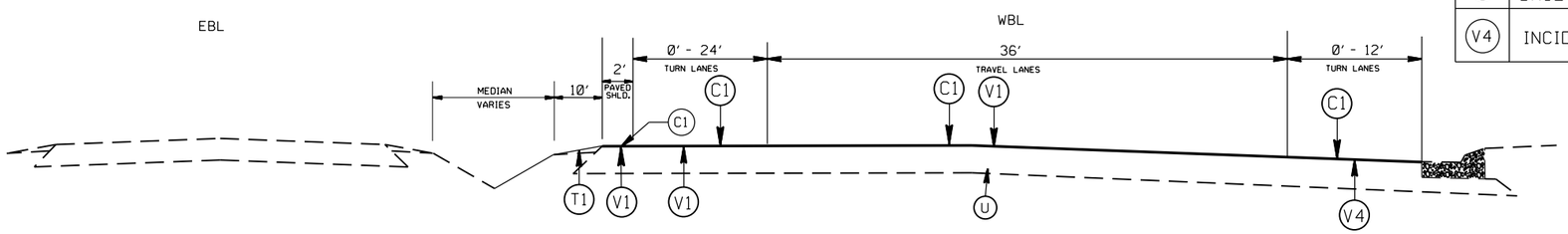
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #11 SR 1905 HIGH RIDGE CHURCH ROAD
2.46 MILES
FROM SR 1003 WHITE STORE ROAD
TO ANSON COUNTY LINE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	12	
F.A. PROJECT NO.			



TYPICAL SECTION 1
US 74 WBL (MAP 1)
FROM APPROX. STA. 10+00 TO 12+50
FROM APPROX. STA. 23+05 TO 24+75



TYPICAL SECTION 2
US 74 WBL (MAP 1)
FROM APPROX. STA. 12+50 TO 17+75

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING 0.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 500' OR LESS)

SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

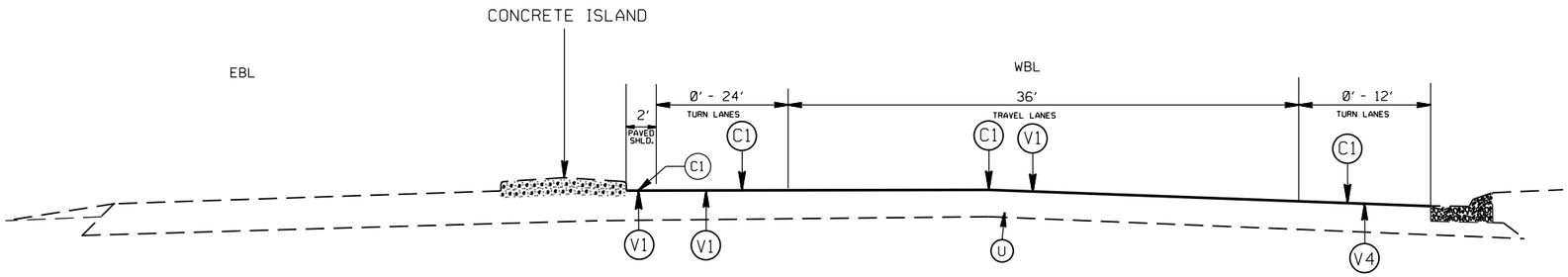
2023-2024
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	1/20
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA

DIVISION OF HIGHWAYS
DEPARTMENT OF TRANSPORTATION
DISTRICT 09

REVISIONS	

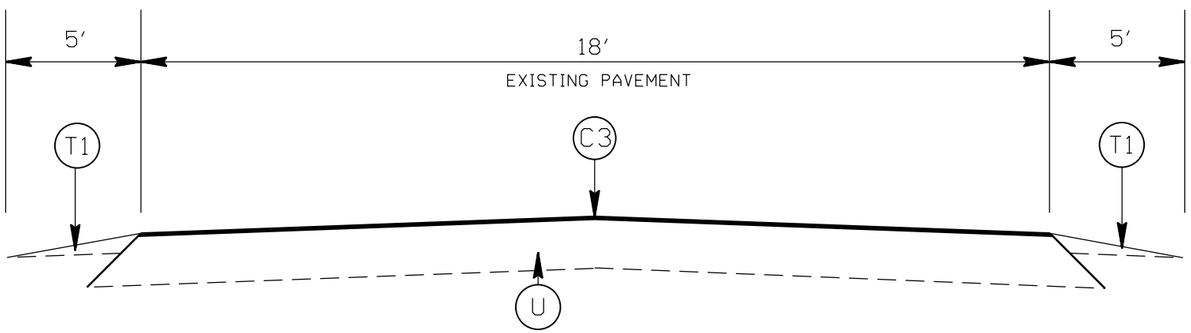
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	13	
F.A. PROJECT NO.			



TYPICAL SECTION 3
US 74 WBL (MAP 1)
FROM APPROX. STA. 17+75 TO 23+05

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING 0.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 500' OR LESS)



TYPICAL SECTION 4
SR 2301 SHERIN LANE (MAP 2)

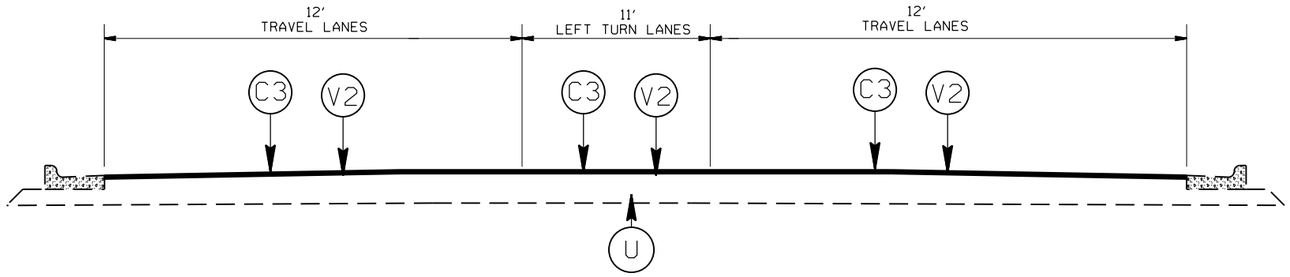
SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

2023-2024
UNION COUNTY RESURFACING

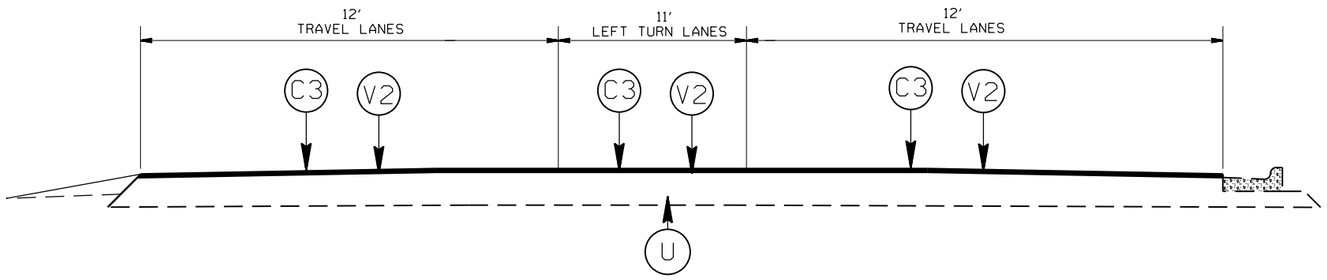
SCALE	-NA-
DATE	1/20
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	CLA

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	14	
F.A. PROJECT NO.			



TYPICAL SECTION 5
SR 1508 POPLIN ROAD (MAP 3)
APPROX. STA: 10+00 TO 22+72



TYPICAL SECTION 6
SR 1508 POPLIN ROAD (MAP 3)
APPROX. STA: 22+72 TO 29+22

PAVEMENT SCHEDULE

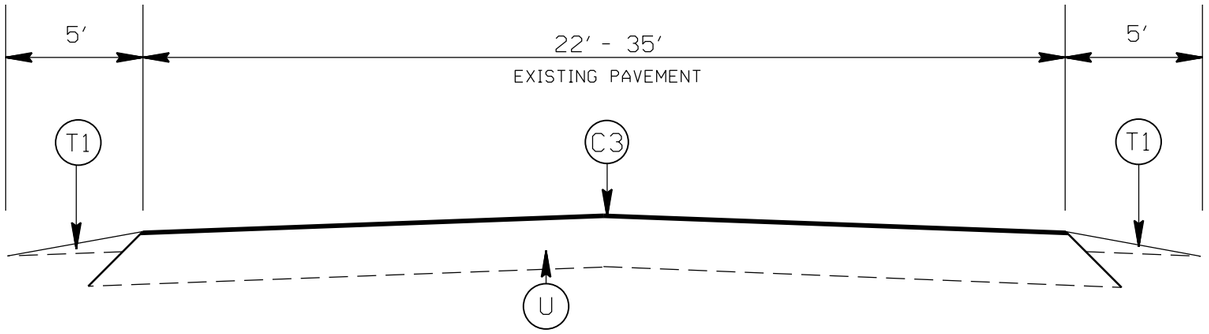
C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING 0.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 500' OR LESS)

SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

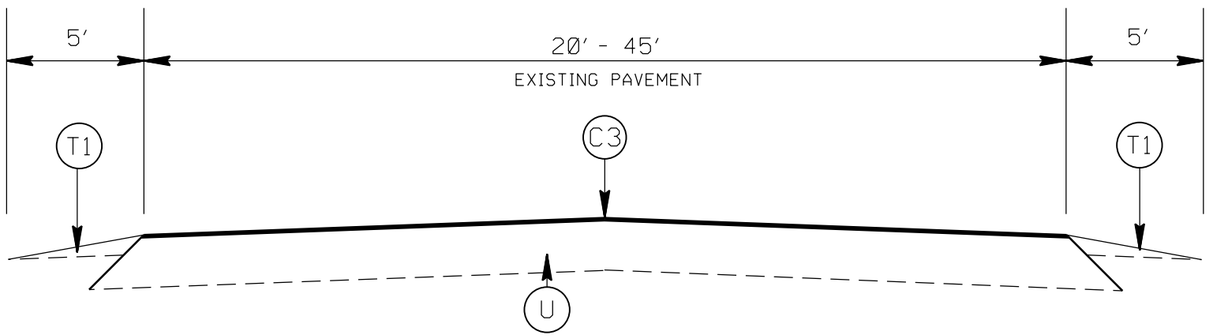
2023-2024
UNION COUNTY RESURFACING

		REVISIONS	
SCALE	-NA-		
DATE	9/21		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	15	
F.A. PROJECT NO.			



TYPICAL SECTION 7
SR 1508 POPLIN ROAD (MAP 3)
APPROX. STA. 29+22 TO 39+12



TYPICAL SECTION 8
SR 1504 RIDGE ROAD (MAP 4)
SR 1504 BAUCOM DEESE (MAP 7)
SR 1002 ANSONVILLE ROAD (MAP 8)
SR 1754 FOREST HILLS SCHOOL ROAD NORTH (MAP 9)

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING 0.5′ OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 500′ OR LESS)

SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

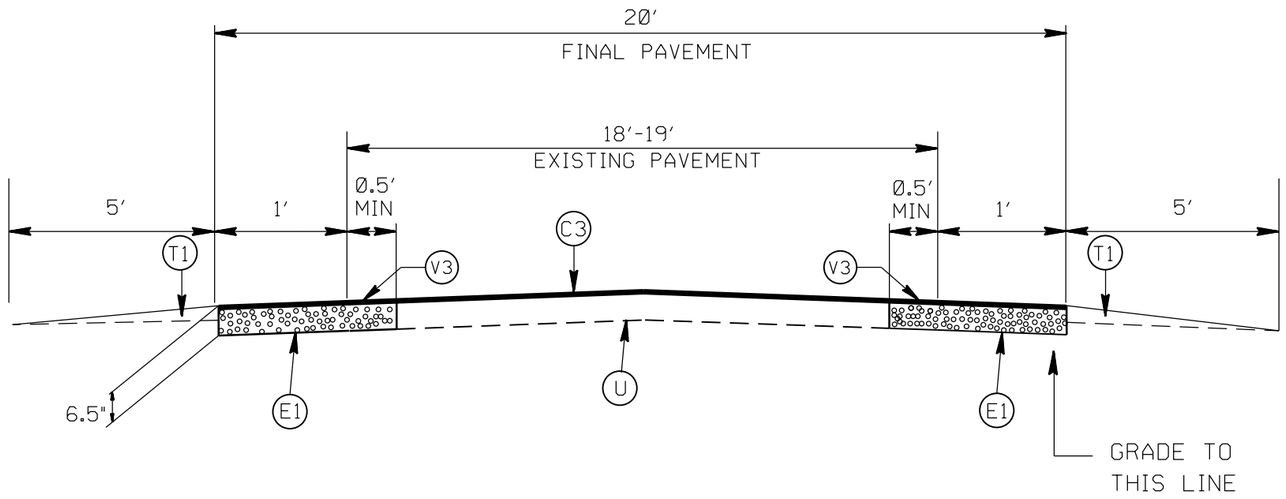
2023-2024
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	9/21
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	

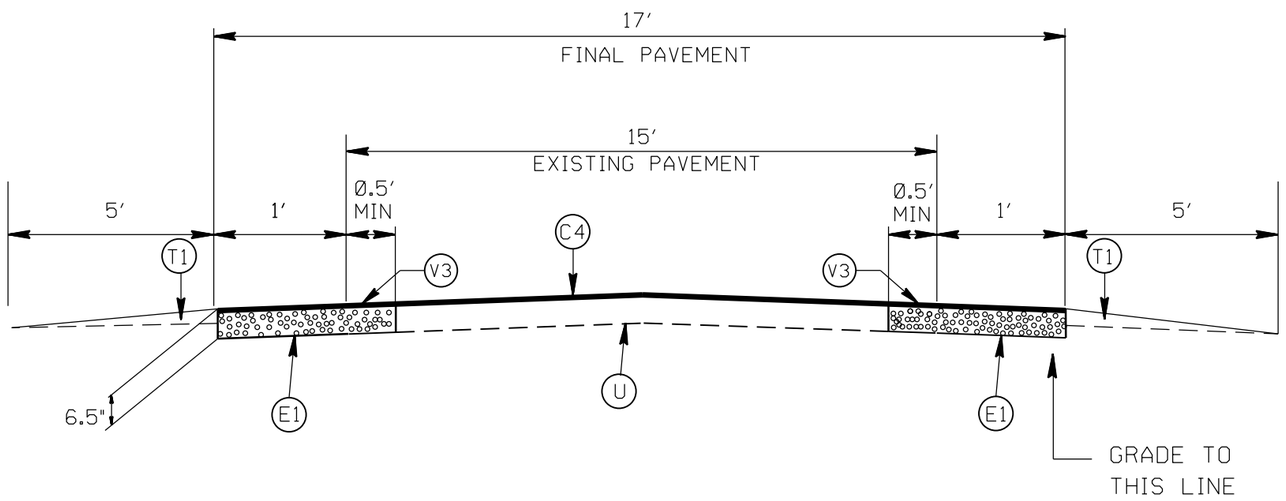
DIVISION OF HIGHWAYS — DEPARTMENT OF TRANSPORTATION — DISTRICT

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	16	
F.A. PROJECT NO.			



TYPICAL SECTION 9
SR 1681 OLD CAMDEN ROAD (MAP 5)



TYPICAL SECTION 10
SR 1974 ARCHIE LANE (MAP 6)

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING Ø.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 500' OR LESS)

SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

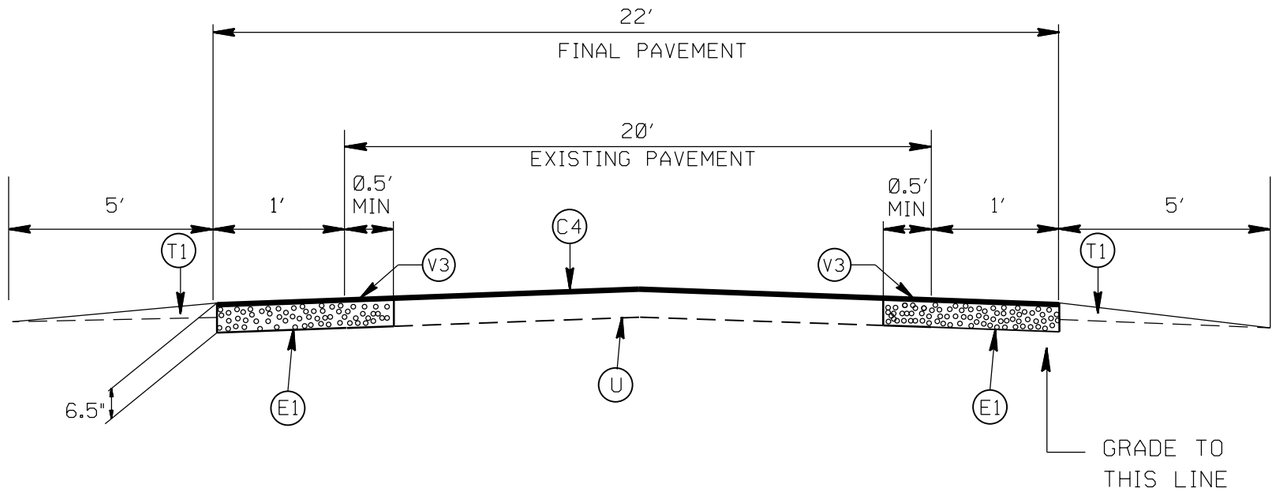
2023-2024
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	9/21
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	

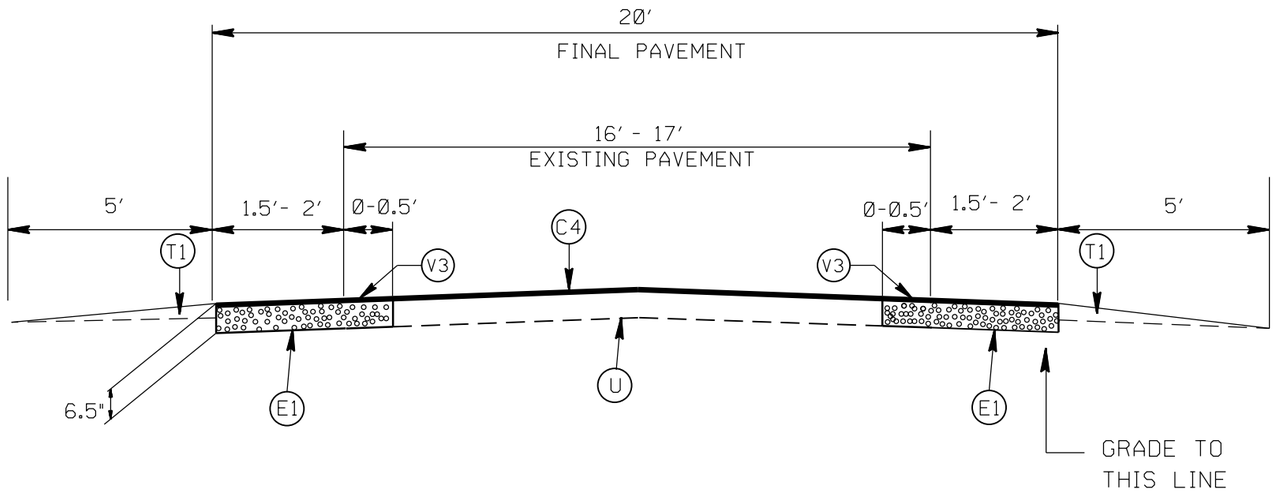
DIVISION OF HIGHWAYS
TRANSPORTATION MOBILITY AND DEVELOPMENT
DISTRICT

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	17	
F.A. PROJECT NO.			



TYPICAL SECTION 11
SR 1947 FAULKS CHURCH ROAD (MAP 1Ø)



TYPICAL SECTION 12
SR 1905 HIGH RIDGE CHURCH ROAD (MAP 11)

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.Ø" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.Ø" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.ØC, AT AN AVERAGE RATE OF 57Ø LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.Ø" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING Ø.5′ OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 5ØØ′ OR LESS)

SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

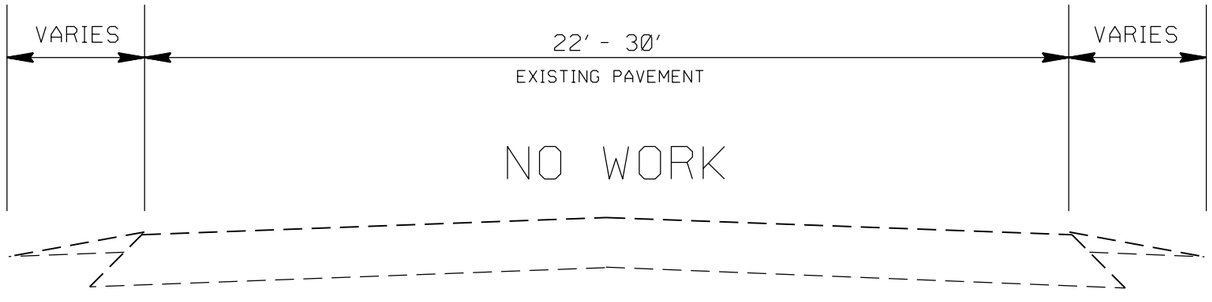
2023-2024
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	9/21
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	

DIVISION OF HIGHWAYS
TRANSPORTATION DISTRICT 08

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	18	
F.A. PROJECT NO.			



TYPICAL SECTION 13
SR 1002 ANSONVILLE ROAD (MAP 8)
FROM APPROX. STA. 34+00 - 56+25
MILEPOST 0.45 TO 0.88
NO WORK IN THIS AREA

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING 0.5′ OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 500′ OR LESS)

SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

2023-2024
UNION COUNTY RESURFACING

SCALE	-NA-
DATE	9/21
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
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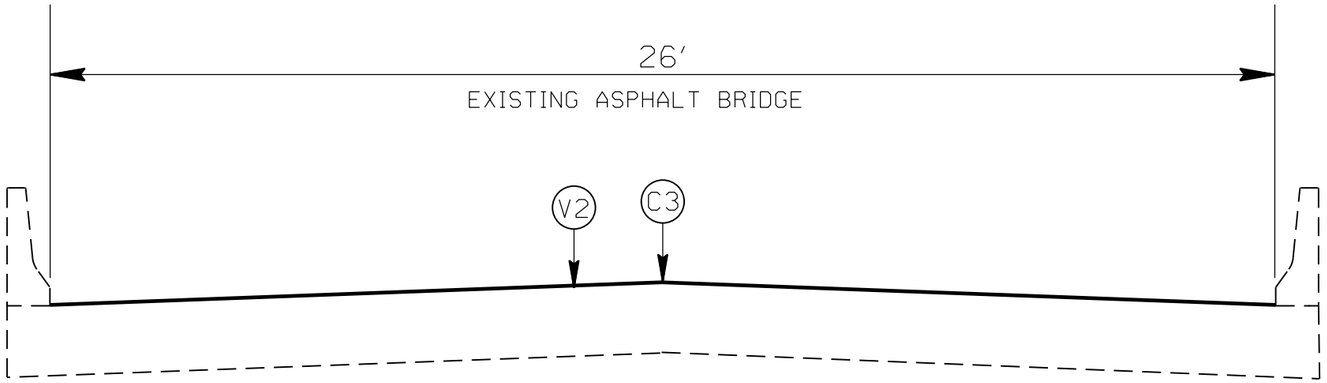
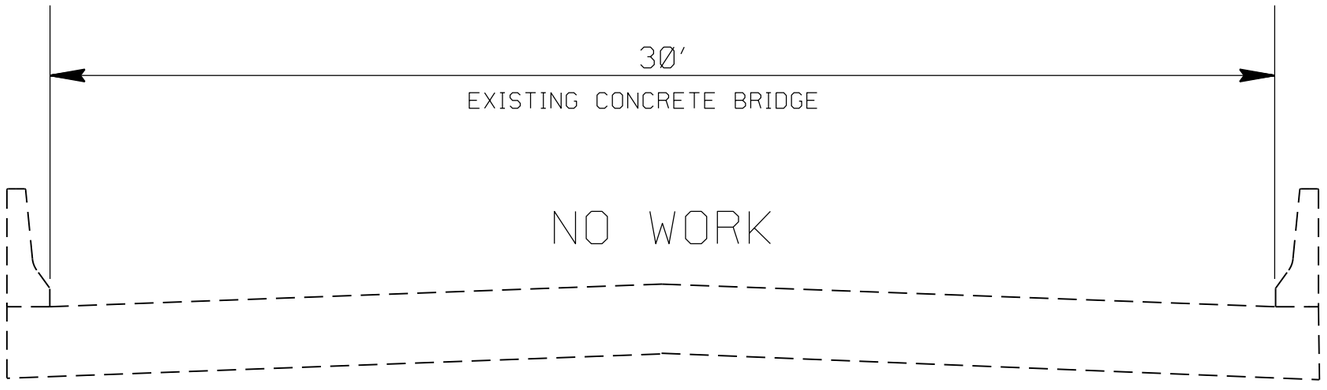
F.A. PROJECT NO.			



TYPICAL SECTION 14
SR 1504 RIDGE ROAD (MAP 4)
SR 1681 OLD CAMDEN ROAD (MAP 5)
SR 1504 BAUCOM DEESE ROAD (MAP 7)

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING 0.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 500' OR LESS)



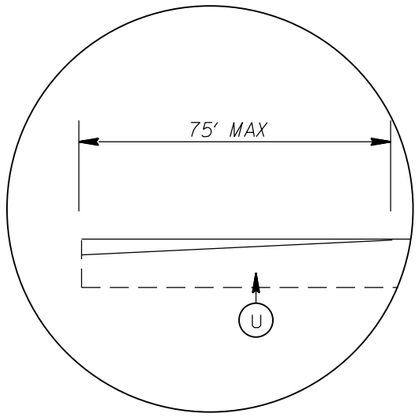
TYPICAL SECTION 15
NO WORK ON CONCRETE BRIDGE
SR 1002 ANSONVILLE ROAD (MAP 8)

SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

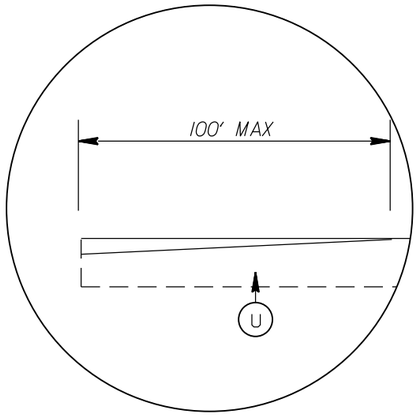
2023-2024
UNION COUNTY RESURFACING

		REVISIONS	
SCALE	-NA-		
DATE	9/21		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	20	
F.A. PROJECT NO.			



DETAIL FOR INCIDENTAL MILLING (0" TO 1.5")
TIE IN

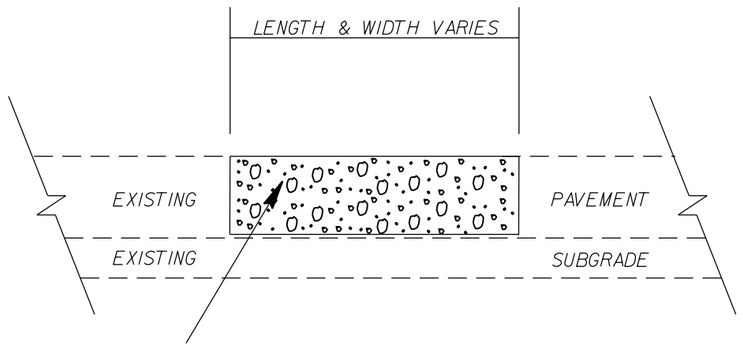


DETAIL FOR INCIDENTAL MILLING (0" TO 2.0")
TIE IN

PAVEMENT SCHEDULE

C1	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
C4	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS PER SQ. YD.
C5	ASPHALT SURFACE TREATMENT, MAT COAT # 67
E1	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS PER SQ.YD.
T1	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
V2	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
V3	MILLING 0.5' OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
V4	INCIDENTAL MILLING (FULL WIDTH TURN LANES 500' OR LESS)

PATCHING DETAIL



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

SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

2023-2024
UNION COUNTY RESURFACING

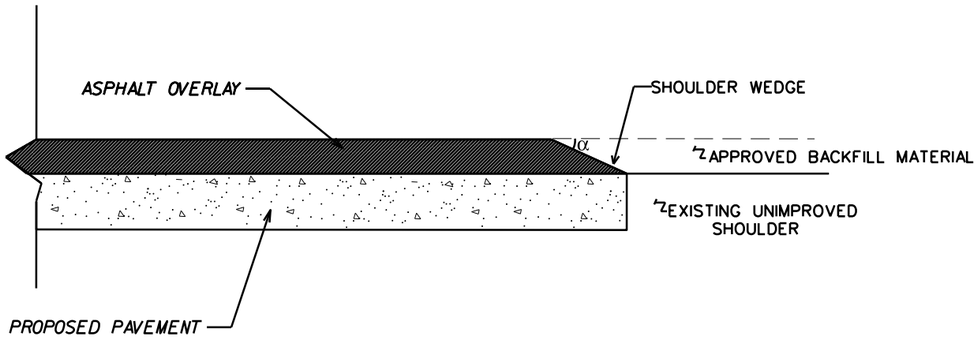
SCALE	-NA-
DATE	9/21
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	

DIVISION OF HIGHWAYS
DISTRICT 08

REVISIONS	

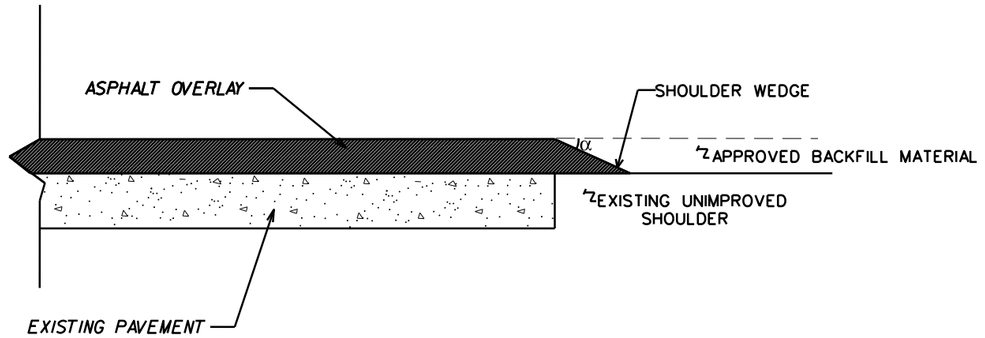
NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	21	
F.A. PROJECT NO.			



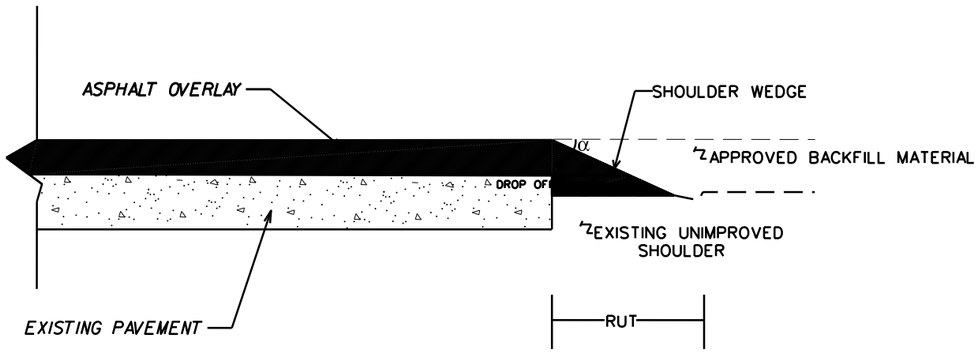
SHOULDER WEDGE DETAIL

(RESURFACING PROJECTS W/ WIDENING OR WITH EXISTING PAVED SHOILDER HAVING NO DROPOFFS)



SHOULDER WEDGE DETAIL

(RESURFACING PROJECTS W/ NO WIDENING)



SHOULDER WEDGE DETAIL

(RESURFACING ADJACENT TO RUTTED SHOULDER)

α = 30 DEGREES

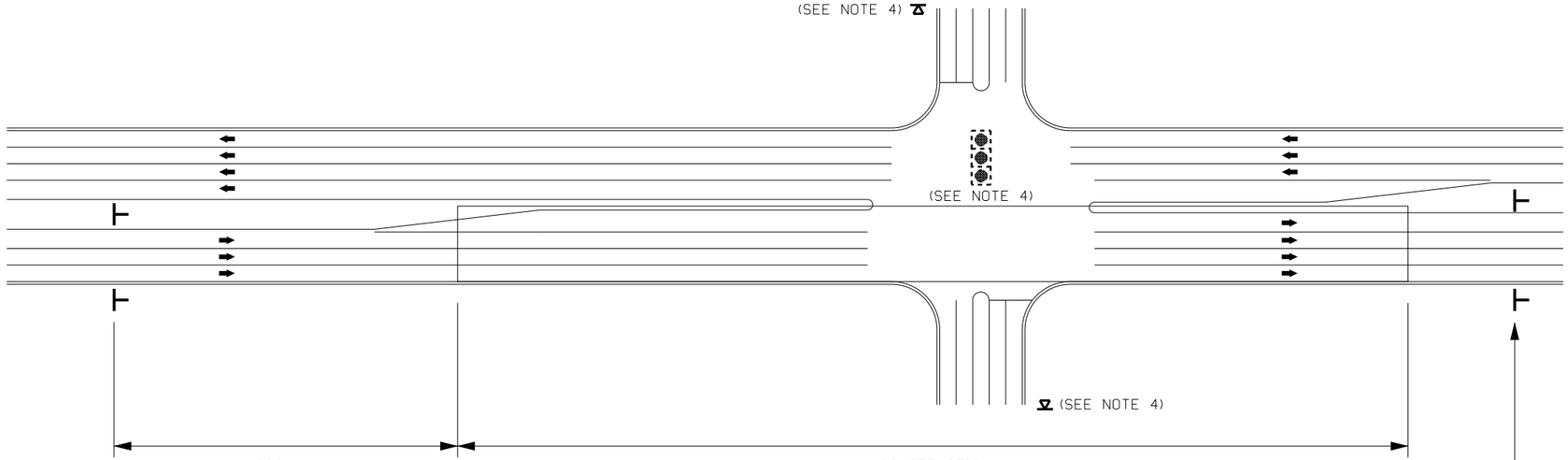
SHOULDER WEDGE DETAILS

SCALE	-NA-
DATE	11/20
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	

REVISIONS

PROJ. REFERENCE NO.	SHEET NO.
2023CPT.10.10.10901 2023CPT.10.10.2090	TC1

URBAN / SUBURBAN WORKZONES



NOTES:

1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
4) 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.
5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

⊢ STATIONARY SIGN

➡ DIRECTION OF TRAFFIC FLOW

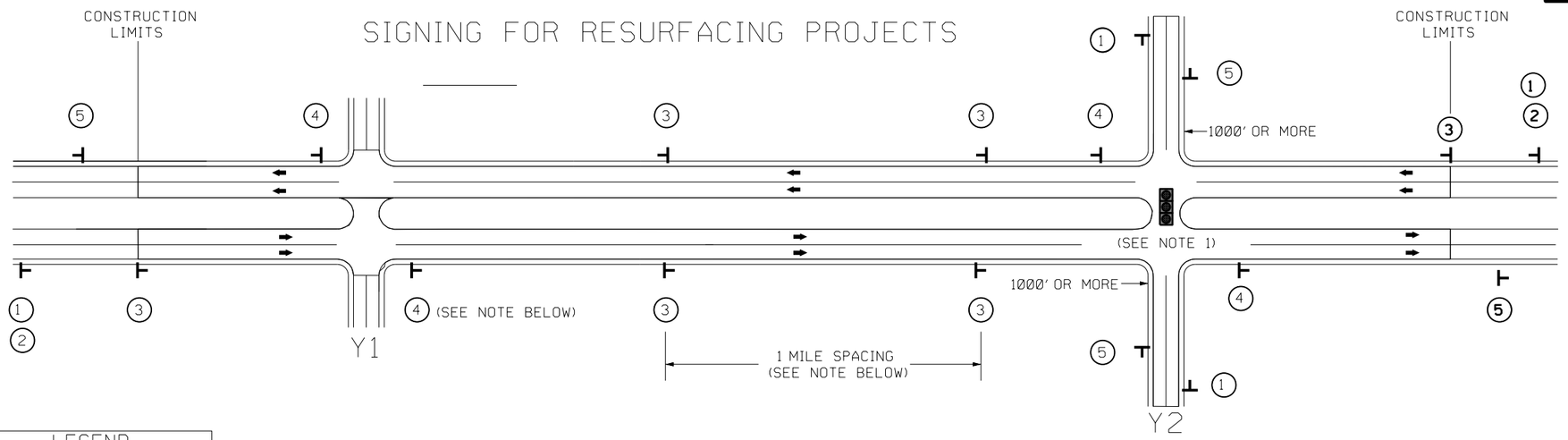
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES

16-NOV-2022 11:44
C:\Users\gauten\Documents\MacGauten\My Documents\CONTRACTS\Resurfacing_Raleigh Let Contract\2023-2024\Union •1\UNION •1\Union •1 Typicals.dgn
gauten AT DIV10-328722L

PROJ. REFERENCE NO.	SHEET NO.
2023CPT.10.10.1090 2023CPT.10.10.2090	TC2

SIGNING FOR RESURFACING PROJECTS



LEGEND
- ⊢ STATIONARY SIGN
- ← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

① ROAD WORK AHEAD — W20-1, 48" X 48" — PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

② NEXT XX MILES — W7-3aP, 24" X 18" — #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)

③ LOW/SOFT SHOULDER — SP 13107, 48" X 48" — PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE 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.

⑤ END ROAD WORK — G20-2 A, 48" X 24" — PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

-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, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

ROAD WORK AHEAD — W20-1, 48" X 48" — PLACED 500' IN ADVANCE OF FLAGGER.

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

NOTES:

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.

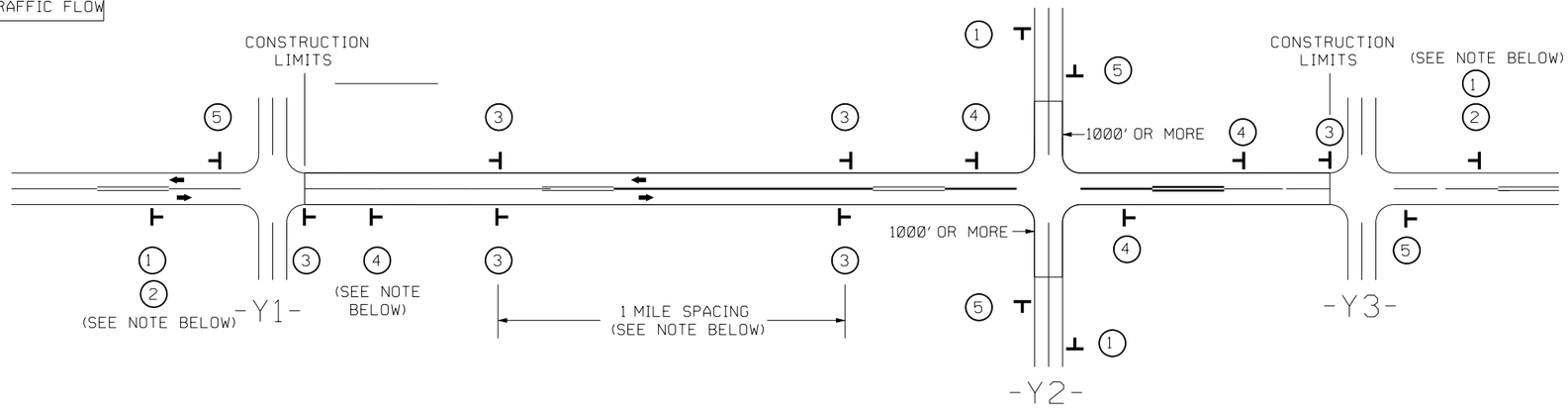
DIVISION OF HIGHWAYS • STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION • WORK ZONE TRAFFIC CONTROL

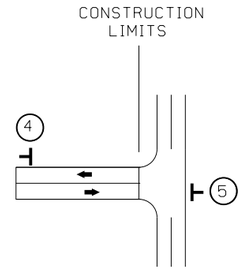
RESURFACING
ADVANCE WARNING SIGNS
FOR RURAL AND SUBURBAN
MULTI-LANE ROADWAYS
W/ SHOULDER SECTIONS

PROJ. REFERENCE NO.	SHEET NO.
2023CPT.10.10.10901 2023CPT.10.10.20901	TC3

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" — PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.
2. NEXT XX MILES W7-3aP 24" X 18" — #2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)
3. LOW/SOFT SHOULDER SP 13107 48" X 48"
   - 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.

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

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

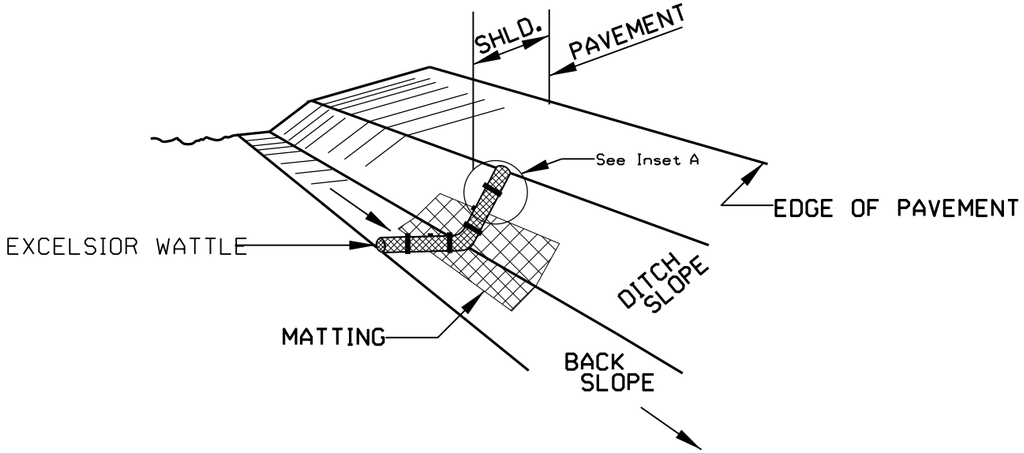
DIVISION OF HIGHWAYS • STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION • WORK ZONE TRAFFIC CONTROL

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

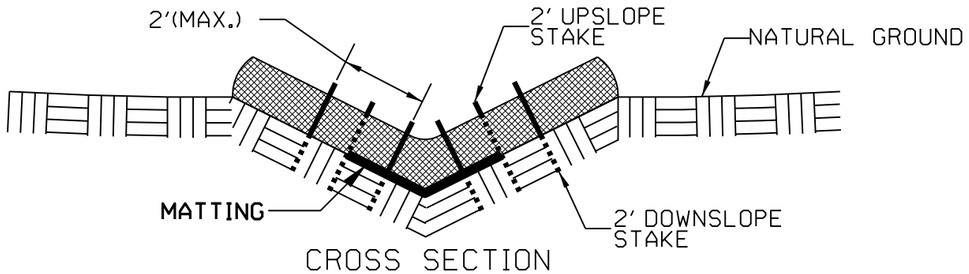
16-NOV-2022 11:47
C:\Users\qouten\Documents\MacOuten\My Documents\CONTRACTS\Resurfacing_Raleigh Let Contract\2023-2024\Union •1\UNION •1\Union •1 Typicals.dgn
qouten AT DIV10-328722L

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.10.10.10901 2023CPT.10.10.20901	EC1

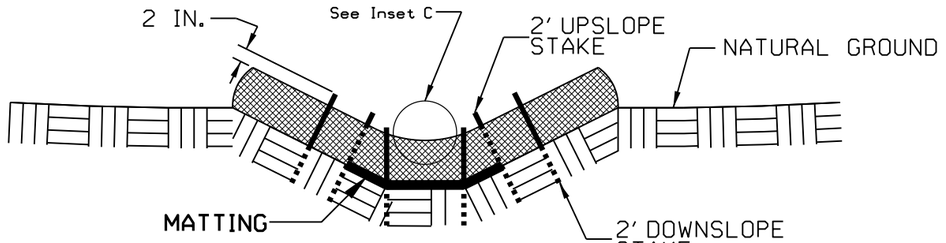
WATTLE WITH POLYACRYLAMIDE DETAIL



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. CROSS SECTION.

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

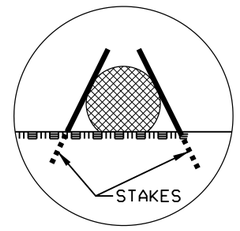
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

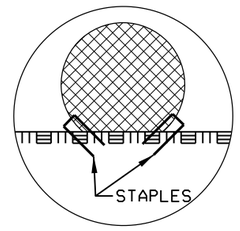
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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.

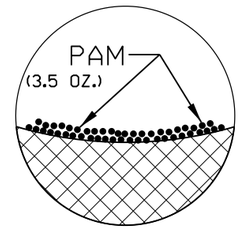
INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



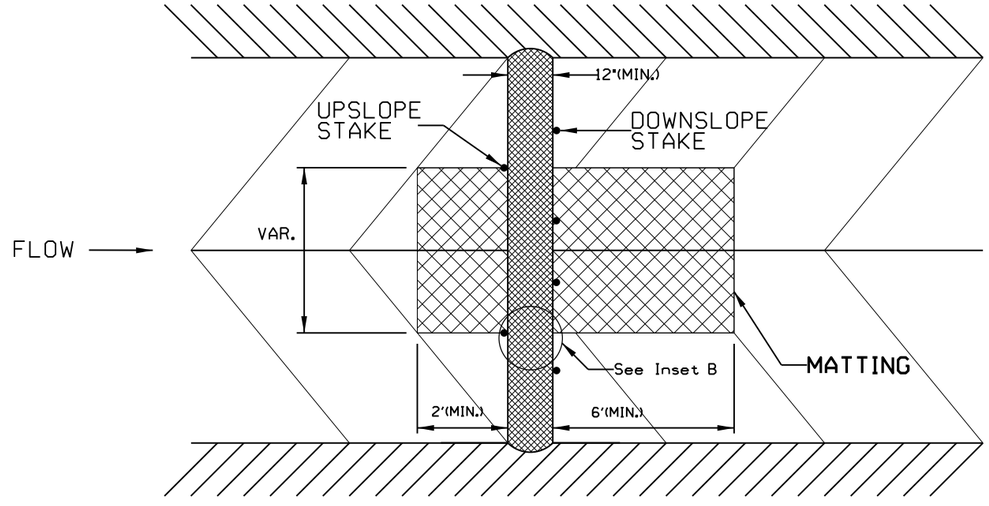
INSET A



INSET B



INSET C



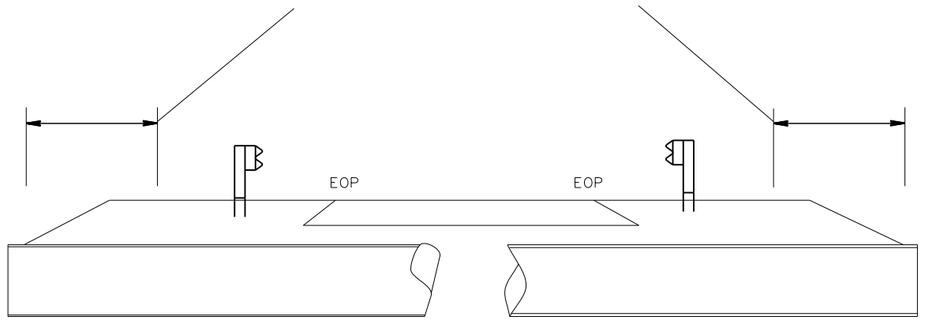
TOP VIEW

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.10.10901 2023CPT.10.10.20901	EC2	
F.A. PROJECT NO.			

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

BMP OPTIONS: WATTLE OR SILT FENCE

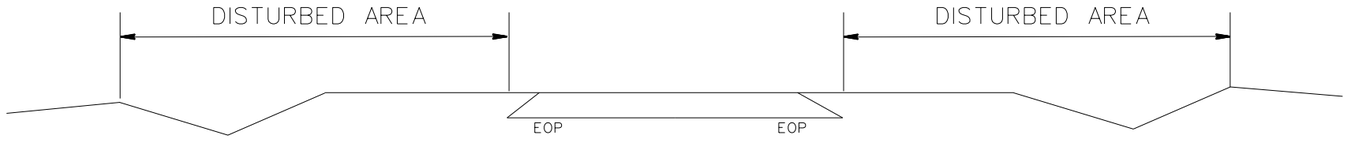
<5' - 10' UNDISTURBED BUFFER ADD BMP



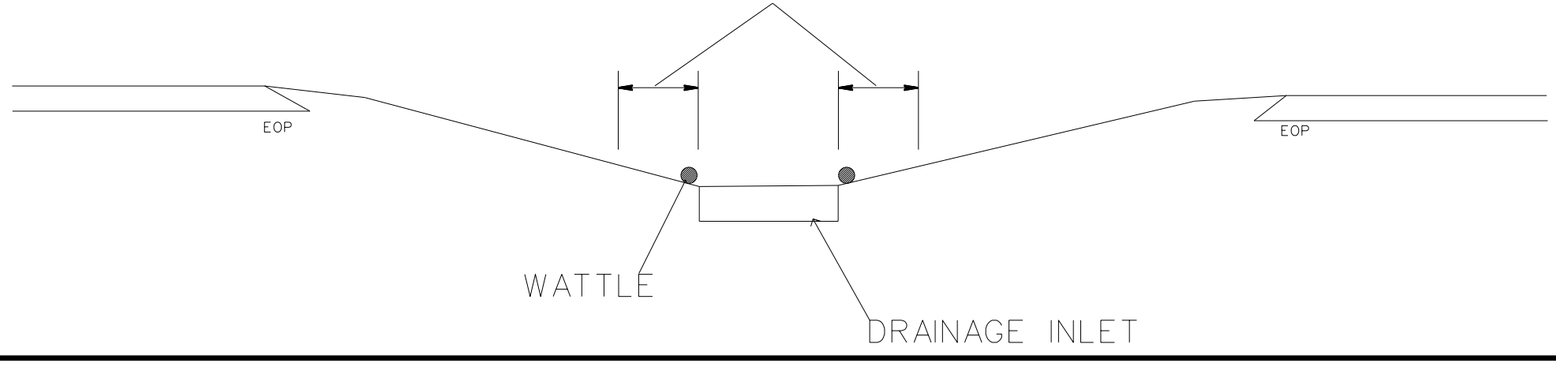
PIPE/CULVERT

<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

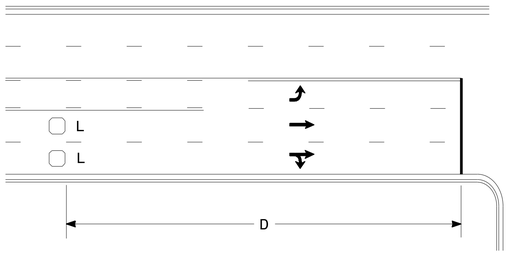


EROSION CONTROL DETAIL

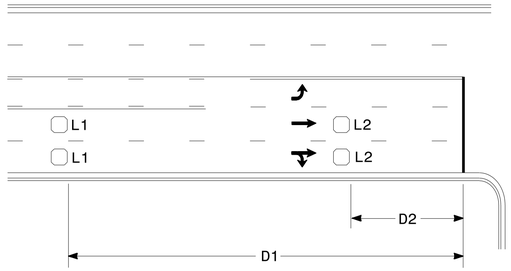
		REVISIONS	
SCALE	-NA-		
DATE	11/20		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED			

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.10.10.10901 2023CPT.10.10.20901	

High Speed Detection
(≥40 mph)



OR



Speed Limit mph	D ft
40	250
45	300
50	355
55	420

L = 6ft X 6ft
Wired in series for TS1 Controllers
Wired separately for TS2, 170, and 2070L Controllers

Volume Density Operation

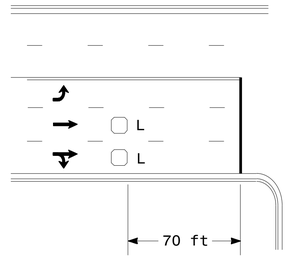
Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110

L1 = 6ft X 6ft
Wired in series

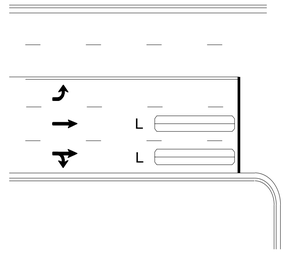
L2 = 6ft X 6ft
Wired in series

"Stretch" Operation

Low Speed Detection
(≤35 mph)



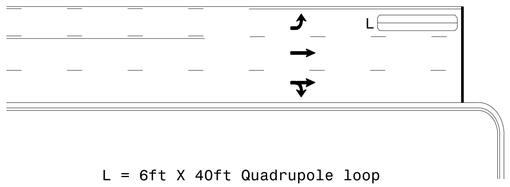
OR



L = 6ft X 6ft
Wired in series

L = 6ft X 40ft
Quadrupole loop, wired separately

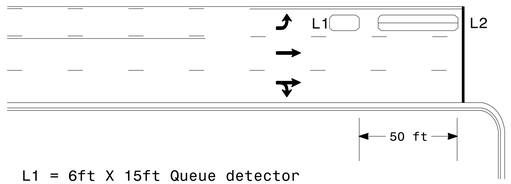
Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

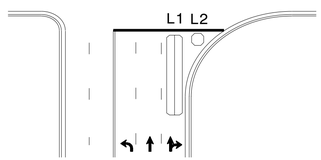
OR



L1 = 6ft X 15ft Queue detector
L2 = 6ft X 40ft Quadrupole loop

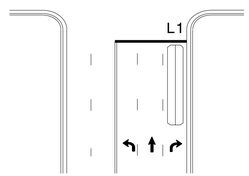
Queue Loop Detection

Right Turn Lane Detection

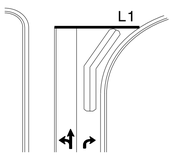


Shared Lane/
Wide Radius Turn

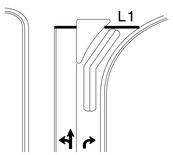
L1 = 6ft X 40ft Quadrupole loop
L2 = 6ft X 6ft [Minimum] Presence loop
Wired separately



Standard Turn

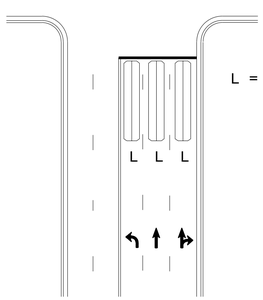


Wide Radius Turn



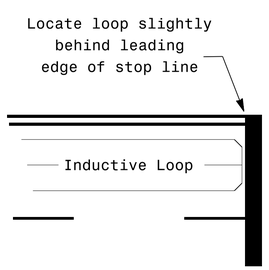
Channelized Turn

Side Street Detection



L = 6ft X 40ft
Quadrupole loop
Wired to separate detectors/channels

Presence Loop Placement at Stop Lines



Note:
Loop may be located in advance of stop line under any of the following conditions:
1) stop line is greater than 15′ from edge of intersecting roadway
2) loop detects a permissive or protected/permissive left turn
3) for an exclusive right turn lane

Recommended Number of Turns

Single 6′ X 6′ loop
(when wired separately):

Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns

6′ X 15′ Loops:
Lead-in < 150′, use 2 turns
Lead-in > 150′, use 3 turns

Prepared in the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

Typical Signal Loop Locations

PLAN DATE: January 2015	REVIEWED BY: JPG
PREPARED BY: PLA	REVIEWED BY:

SCALE
N/A

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 23489 ENGINEER PAMELA L. ALEXANDER

DocuSigned by: P L Alexander
B4756E00CE4E46D...
1/30/2015
DATE

SIG. INVENTORY NO.

30-JAN-2015 12:39
S:\NCDOT\Traffic Signal\Signal Design Section\Eastern Region\looptypical2015.dgn
palexander

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.10.10.10901, 2023CPT.10.20901	28	29

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 BORROW	1220000000-E INCIDENTAL STONE BASE	1245000000-E SHOULDER RECONSTRUCTION	1297000000-E 2" MILLING	1½" MILLING	1330000000-E INCIDENTAL MILLING	1491000000-E BASE COURSE, B25.0C	1519000000-E SURFACE COURSE, S9.5B	1520000000-E LEVELING COURSE, S9.5B	1523000000-E SURFACE COURSE, S9.5C	1524000000-E LEVELING COURSE, S9.5C	1524200000-E SURFACE COURSE, S9.5D	1575000000-E ASPHALT BINDER FOR PLANT MIX	1577000000-E POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	1704000000-E PATCHING EXISTING PAVEMENT	2612000000-E 6" CONCRETE DRIVEWAYS	2830000000-N ADJ. OF MANHOLES	2845000000-N ADJ. OF METER OR VALVE BOX	5255000000-N PORTABLE LIGHTING	6000000000-E TEMPORARY SILT FENCE	6009000000-E STONE FOR EROSION CONTROL, CLASS B	6012000000-E SEDIMENT CONTROL STONE	6071010000-E WATTLE	6071020000-E POLYACRYLAMIDE (PAM)	7444000000-E INDUCTIVE LOOP SAWCUT
										MI	FT	CY	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TON	TONS	TONS	TONS	SY	EA	EA	LS	LF	TN	TN	LF	LB	LF
2023CPT.10.10.10901	Union	1	US 74 WEST / ROUTE ID 20000074090	FROM SR 1501 SECREST SHORTCUT ROAD TO NC 200 (DICKERSON BOULEVARD) **MILEPOST 15.66 - 15.94**	1,2,3	3	MD	NO	NO	0.28	38-74	67		0.28	8,455		1,105						1,175	2	67	40				1	42	3	1	42		500
TOTAL FOR MAP NO. 1										**0.28**		**67**		**0.28**	**8,455**		**1,105**						**1,175**	**2**	**67**	**40**				**1**	**42**	**3**	**1**	**42**		**500**
TOTAL FOR PROJ NO. 2023CPT.10.10.10901										**0.28**		**67**		**0.28**	**8,455**		**1,105**						**1,175**	**2**	**67**	**40**				**1**	**42**	**3**	**1**	**42**		**500**
															8,455																				
2023CPT.10.10.20901	Union	2	SR 2301 SHERIN LANE / ROUTE ID 40002301090	FROM CUL DE SAC TO END OF MAINTANANCE **MILEPOST 0-0.39**	4	2	2WU	NO	NO	0.39	18	60	60	0.80			20				420	210		52		300					59	8	4	59		
TOTAL FOR MAP NO. 2										**0.39**		**60**	**60**	**0.80**			**20**				**420**	**210**		**52**		**300**					**59**	**8**	**4**	**59**		
2023CPT.10.10.20901	Union	3	SR 1508 POPLIN ROAD / ROUTE ID 40001508090	FROM SR 1558 HARTIS ROAD TO PAVEMENT JOINT **MILEPOST 4.11-4.66**	5,6,7	3	MU	NO	NO	0.55	22-35	29	25	0.40		7,261	500				995			69		200	50	3	1		83	11	5	83		
TOTAL FOR MAP NO. 3										**0.55**		**29**	**25**	**0.40**		**7,261**	**500**				**995**			**69**		**200**	**50**	**3**	**1**		**83**	**11**	**5**	**83**		
2023CPT.10.10.20901	Union	4	SR 1504 RIDGE ROAD / ROUTE ID 40001504090	FROM SR 1367 UNIONVILLE-INDIAN TRAIL ROAD TO SR 1528 FRIENDLY BAPTIST CHURCH ROAD **MILEPOST 5.83-6.29**	8, 14	2	2WU	NO	NO	0.46	26-45	70	30	0.90		205	605				400	240		46		150					69	10	5	69		300
TOTAL FOR MAP NO. 4										**0.46**		**70**	**30**	**0.90**		**205**	**605**				**400**	**240**		**46**		**150**					**69**	**10**	**5**	**69**		**300**
2023CPT.10.10.20901	Union	5	SR 1681 OLD CAMDEN ROAD / ROUTE ID 40001681090	FROM SR 1627 NEW SALEM ROAD TO SR 1006 OLIVE BRANCH ROAD **MILEPOST 2.83-4.13**	9,14	2	2WU	NO	NO	1.3	18-19	200	105	2.60		330	350	950			1,445	700		179		150	550				390	39	20	390	1	
TOTAL FOR MAP NO. 5										**1.3**		**200**	**105**	**2.60**		**330**	**350**	**950**			**1,445**	**700**		**179**		**150**	**550**				**390**	**39**	**20**	**390**	**1**	
2023CPT.10.10.20901	Union	6	SR 1974 ARCHIE LANE / ROUTE ID 40001974090	FROM SR 1003 WHITE STORE ROAD TO END OF MAINTANANCE **MILEPOST 0-0.19**	10	2	2WU	NO	NO	0.19	17	30	40	0.40			142	138	173					20		50					57	6	3	57		
TOTAL FOR MAP NO. 6										**0.19**		**30**	**40**	**0.40**			**142**	**138**	**173**					**20**		**50**					**57**	**6**	**3**	**57**		
2023CPT.10.10.20901	Union	7	SR 1504 BAUCOM DEESE ROAD / ROUTE ID 40001504090	FROM NC 200 NORTH TO PAVEMENT JOINT AT US 601 NORTH **MILEPOST 0-1.69**	8, 14	2	2WU	NO	NO	1.69	22	258	150	3.40		160	435				2,169	1,200		235		675	150				254	34	17	254	1	
TOTAL FOR MAP NO. 7										**1.69**		**258**	**150**	**3.40**		**160**	**435**				**2,169**	**1,200**		**235**		**675**	**150**				**254**	**34**	**17**	**254**	**1**	
2023CPT.10.10.20901	Union	8	SR 1002 ANSONVILLE ROAD / ROUTE ID 40001002090	FROM PAVEMENT JOINT AT BRIDGE NEAR BURRIS STREET TO SR 1751 AUSTIN GROVE CHURCH ROAD **MILEPOST 0.01-1.71**	8,13, 15	2	2WU	NO	NO	1.26	22-25	193	60	2.50			484				1,810	675		178		600	200	3			189	25	13	189	1	
TOTAL FOR MAP NO. 8										**1.26**		**193**	**60**	**2.50**			**484**				**1,810**	**675**		**178**		**600**	**200**	**3**			**189**	**25**	**13**	**189**	**1**	
2023CPT.10.10.20901	Union	9	SR 1754 FOREST HILLS SCHOOL ROAD NORTH / ROUTE ID 40001754090	FROM PAVEMENT JOINT AT US 74 TO PAVEMENT JOINT APPROXIMATELY 765' FROM SR 1819 PHIFER ROAD **MILEPOST 2.73-3.11**	8	2	2WU	NO	NO	0.38	20	58		0.80			335				410	360		56		200	100				57	8	4	57		
TOTAL FOR MAP NO. 9										**0.38**		**58**		**0.80**			**335**				**410**	**360**		**56**		**200**	**100**				**57**	**8**	**4**	**57**		
2023CPT.10.10.20901	Union	10	SR 1947 FAULKS CHURCH ROAD / ROUTE ID 40001947090	FROM SR 1934 CAMDEN ROAD TO SR 1903 GILBOA ROAD **MILEPOST 1.31-2.11**	11	2	2WU	NO	NO	0.8	20	123	65	1.60			367	590	958	530				148		460	100				240	24	12	240	1	
TOTAL FOR MAP NO. 10										**0.8**		**123**	**65**	**1.60**			**367**	**590**	**958**	**530**				**148**		**460**	**100**				**240**	**24**	**12**	**240**	**1**	
2023CPT.10.10.20901	Union	11	SR 1905 HIGH RIDGE CHURCH ROAD / ROUTE ID 40001905090	FROM SR 1003 WHITE STORE ROAD TO ANSON COUNTY LINE **MILEPOST 0-2.46**	12	2	2WU	NO	NO	2.46	21	376	140	4.90			370	1,815	2,758	1,300				414		1,250	50				738	74	37	738	2	
TOTAL FOR MAP NO. 11										**2.46**		**376**	**140**	**4.90**			**370**	**1,815**	**2,758**	**1,300**				**414**		**1,250**	**50**				**738**	**74**	**37**	**738**	**2**	
										9.48		**1,397**	**675**	**18.30**		**7,956**	**3,608**	**3,493**	**3,889**	**1,830**	**7,649**	**3,385**		**1,397**		**4,035**	**1,200**	**6**	**1**		**2,136**	**239**	**120**	**2,136**	**6**	**300**
TOTAL FOR PROJ NO. 2023CPT.10.10.20901																																			
										9.76		**1,464**	**675**	**18.58**	**8,455**	**7,956**	**4,713**	**3,493**	**3,889**	**1,830**	**7,649**	**3,385**	**1,175**	**1,399**	**67**	**4,075**	**1,200**	**6**	**1**	**1**	**2,178**	**242**	**121**	**2,178**	**6**	**800**
GRAND TOTAL																																			

THERMOPLASTIC AND PAINT QUANTITIES

										4413000000-E	4457000000-N	4510000000-N	4685000000-E		4695000000-E		4704000000-E	4709000000-E	4720000000-E				4725000000-E					4810000000-E		4835000000-E	4845000000-N					4905100000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	THERMO PVT MKG LINES 4",90 MILS WHITE	THERMO PVT MKG LINES 4",90 MILS YELLOW	THERMO PVT MKG LINES 8", 90 MILS WHITE	THERMO PVT MKG LINES 8", 90 MILS YELLOW	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	THERMO PVT MKG CHARACTER 90 MILS (SCHOOL)	THERMO PVT MKG CHARACTER 90 MILS (AHEAD)	THERMO PVT MKG CHARACTER 90 MILS (STOP)	THERMO PVT MKG CHARACTER 90 MILS (RXR)	THERMO PVT MKG SYMBOL 90 MILS (LEFT)	THERMO PVT MKG SYMBOL 90 MILS (RIGHT)	THERMO PVT MKG SYMBOL 90 MILS (STRAIGHT)	THERMO PVT MKG SYMBOL 90 MILS (COMBO STRAIGHT/LT/RT)	THERMO PVT MKG SYMBOL 90 MILS (COMBO STRAIGHT/RT)	4" WHITE PAINT	4" YELLOW PAINT	24" WHITE PAINT	PAINT LT ARROW	PAINT RT ARROW	PAINT STR ARROW	PAINT STR & RT ARROW	PAINT STR & LT/RT ARROW	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
								MI	FT	SF	LS	HR	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA
2023CPT.10.10.10901	Union	1	US 74 WEST / ROUTE ID 20000074090	FROM SR 1501 SECREST SHORTCUT ROAD TO NC 200 (DICKERSON BOULEVARD) **MILEPOST 15.66 - 15.94**	1,2,3	3	MD	0.28	38-74	126.0	1	20	2,115	1,850				170					8	3	6	1	4	2,115		170	8	3	6	4	1	141
TOTAL FOR MAP NO. 1								**0.28**		**126.0**	**1.0**	**20**	**2,115**	**1,850**				**170**					**8**	**3**	**6**	**1**	**4**	**2,115**		**170**	**8**	**3**	**6**	**4**	**1**	**141**
TOTAL FOR PROJ NO. 2023CPT.10.10.10901								**0.28**		**126.0**	**1.0**	**20**	**2,115**	**1,850**				**170**					**8**	**3**	**6**	**1**	**4**	**2,115**		**170**	**8**	**3**	**6**	**4**	**1**	**141**
													3,965										**22**					**2,115**			**22**					
2023CPT.10.10.20901	Union	2	SR 2301 SHERIN LANE / ROUTE ID 40002301090	FROM END OF MAINTANANCE TO CUL DE SAC **MILEPOST 0-0.39**	4	2	2WU	0.39	18		*							50										8,140	8,140							
TOTAL FOR MAP NO. 2								**0.39**										**50**										**8,140**	**8,140**							
2023CPT.10.10.20901	Union	3	SR 1508 POPLIN ROAD / ROUTE ID 40001508090	FROM SR 1558 HARTIS ROAD TO PAVEMENT JOINT **MILEPOST 4.11-4.66**	5,6,7	3	MU	0.55	22-35		*		3,790	14,235	215	210		330	12				16					820	11,820		16					
TOTAL FOR MAP NO. 3								**0.55**					**3,790**	**14,235**	**215**	**210**		**330**	**12**				**16**					**820**	**11,820**		**16**					
2023CPT.10.10.20901	Union	4	SR 1504 RIDGE ROAD / ROUTE ID 40001504090	FROM SR 1367 UNIONVILLE-INDIAN TRAIL ROAD TO SR 1528 FRIENDLY BAPTIST CHURCH ROAD **MILEPOST 5.83-6.29**	8, 14	2	2WU	0.46	26-45		*		5,230	5,910		25		150	12				5	2												
TOTAL FOR MAP NO. 4								**0.46**					**5,230**	**5,910**		**25**		**150**	**12**				**5**	**2**												
2023CPT.10.10.20901	Union	5	SR 1681 OLD CAMDEN ROAD/ ROUTE ID 40001681090	FROM SR 1627 NEW SALEM ROAD TO SR 1006 OLIVE BRANCH ROAD **MILEPOST 2.83-4.13**	9,14	2	2WU	1.3	18-19		*		13,630	13,630				30		5	8															
TOTAL FOR MAP NO. 5								**1.3**					**13,630**	**13,630**				**30**		**5**	**8**															
2023CPT.10.10.20901	Union	6	SR 1974 ARCHIE LANE/ ROUTE ID 40001974090	FROM SR 1003 WHITE STORE ROAD TO END OF MAINTANANCE **MILEPOST 0-0.19**	10	2	2WU	0.19	17		*																									
TOTAL FOR MAP NO. 6								**0.19**																												
2023CPT.10.10.20901	Union	7	SR 1504 BAUCOM DEESE ROAD/ ROUTE ID 40001504090	FROM NC 200 NORTH TO PAVEMENT JOINT AT US 601 NORTH **MILEPOST 0-1.69**	8, 14	2	2WU	1.69	22		*		17,842	17,842				30																		
TOTAL FOR MAP NO. 7								**1.69**					**17,842**	**17,842**				**30**																		
2023CPT.10.10.20901	Union	8	SR 1002 ANSONVILLE ROAD/ ROUTE ID 40001002090	FROM PAVEMENT JOINT AT BRIDGE NEAR BURRIS STREET TO SR 1751 AUSTIN GROVE CHURCH ROAD **MILEPOST 0.01-1.71**	8,13, 15	2	2WU	1.26	22-25		*		13,295	13,295																						
TOTAL FOR MAP NO. 8								**1.26**					**13,295**	**13,295**																						
2023CPT.10.10.20901	Union	9	SR 1754 FOREST HILLS SCHOOL ROAD NORTH/ ROUTE ID 40001754090	FROM PAVEMENT JOINT AT US 74 TO PAVEMENT JOINT APPROXIMATELY 765' FROM SR 1819 PHIFER ROAD **MILEPOST 2.73-3.11**	8	2	2WU	0.38	20		*		3,990	3,990			45	20				2														
TOTAL FOR MAP NO. 9								**0.38**					**3,990**	**3,990**			**45**	**20**				**2**														
2023CPT.10.10.20901	Union	10	SR 1947 FAULKS CHURCH ROAD/ ROUTE ID 40001947090	FROM SR 1934 CAMDEN ROAD TO SR 1903 GILBOA ROAD **MILEPOST 1.31-2.11**	11	2	2WU	0.8	20		*							39										16,960	15,360							
TOTAL FOR MAP NO. 10								**0.8**										**39**										**16,960**	**15,360**							
2023CPT.10.10.20901	Union	11	SR 1905 HIGH RIDGE CHURCH ROAD/ ROUTE ID 40001905090	FROM SR 1003 WHITE STORE ROAD TO ANSON COUNTY LINE **MILEPOST 0-2.46**	12	2	2WU	2.46	21	275.5	*							19										52,000	47,050							
TOTAL FOR MAP NO. 11								**2.46**		**275.5**								**19**										**52,000**	**47,050**							
TOTAL FOR PROJ NO. 2023CPT.10.10.20901								**9.48**		**275.5**			**57,777**	**68,902**	**215**	**235**	**45**	**668**	**24**	**5**	**8**	**2**	**21**	**2**				**77,920**	**82,370**		**16**					
													126,679		**450**				**39**				**23**					**160,290**			**16**					
GRAND TOTAL								**9.76**		**401.5**	**1.0**	**20**	**59,892**	**70,752**	**215**	**235**	**45**	**838**	**24**	**5**	**8**	**2**	**29**	**5**	**6**	**1**	**4**	**80,035**	**82,370**	**170**	**24**	**3**	**6**	**4**	**1**	**141**
													130,644		**450**				**39**				**45**					**162,405**			**38**					