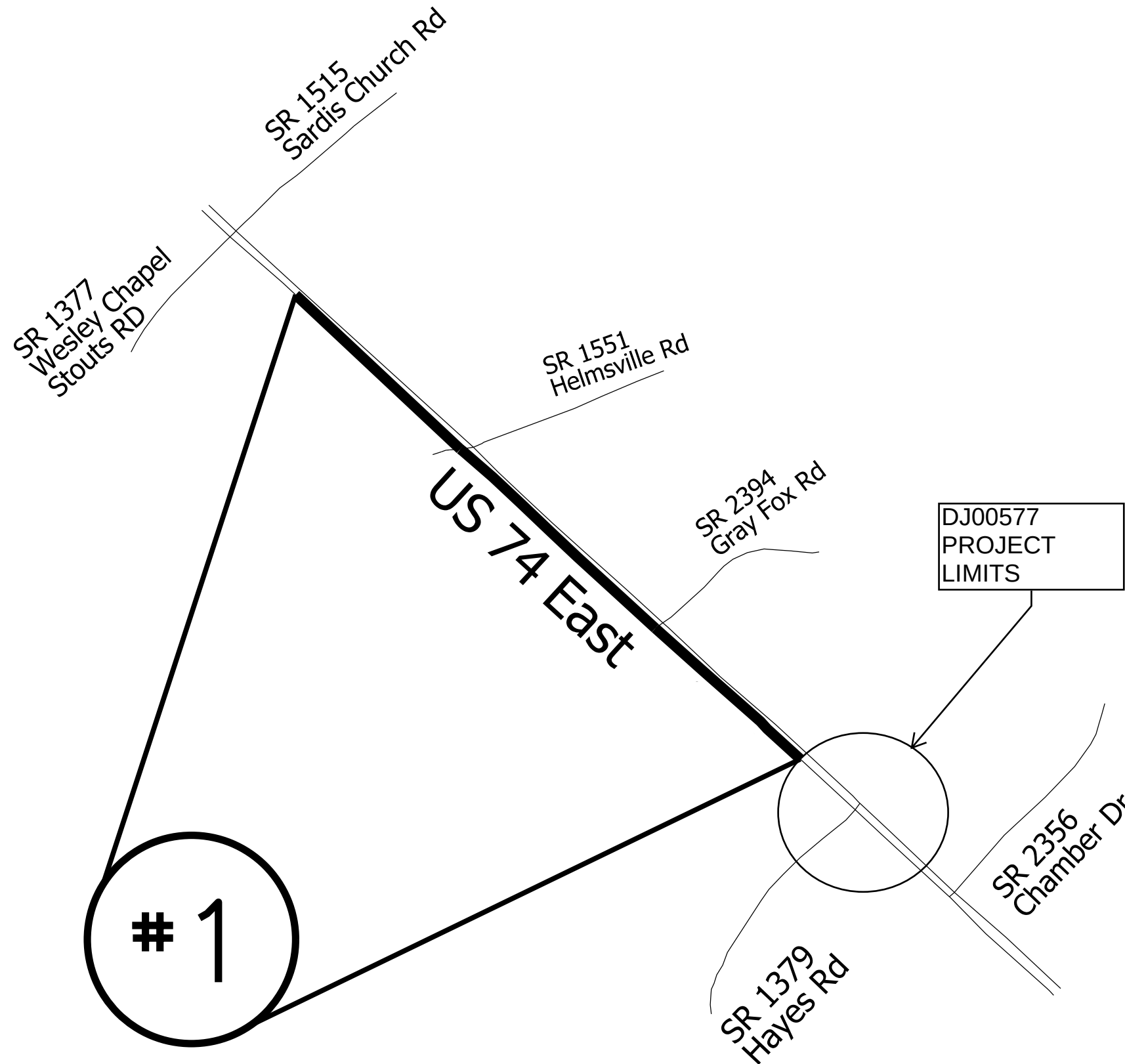




| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 1         |              |
| F.A. PROJECT NO. |                                            |           |              |



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

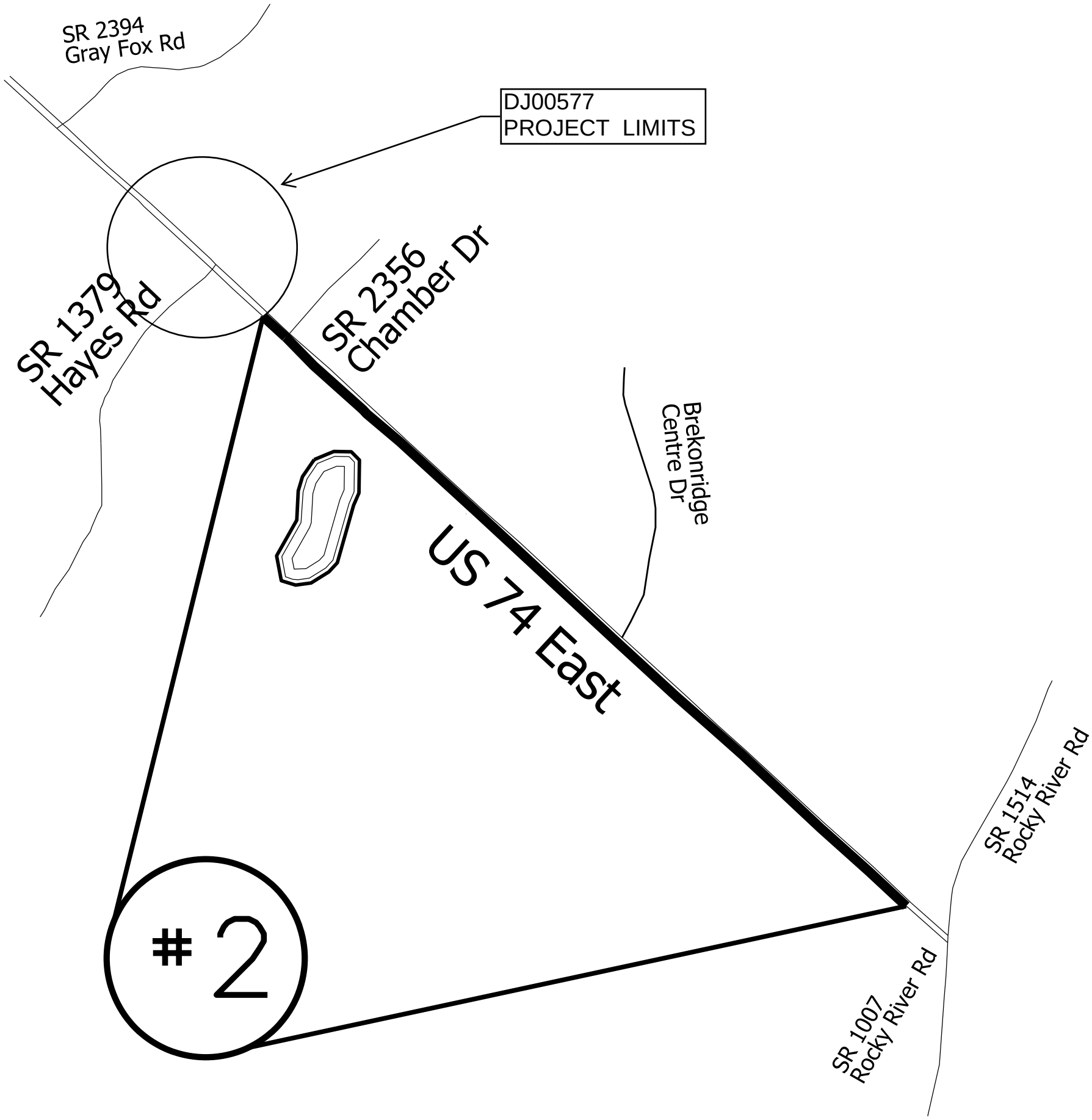
MAP #1 US 74 EAST  
0.68 MILES  
FROM PVMT JOINT EAST  
OF SR 1377 WESLEY CHAPEL STOUTS RD  
TO SR 1379 HAYES RD  
(HAYES RD IMPROVEMENT PROJECT (DJ00577))

| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 2         |              |
| 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 #2 US 74 EAST  
1.3 MILES  
FROM SR 1379 HAYES RD  
PROJECT (DJ00577)  
TO SR 1007 ROCKY RIVER RD



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 3         |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

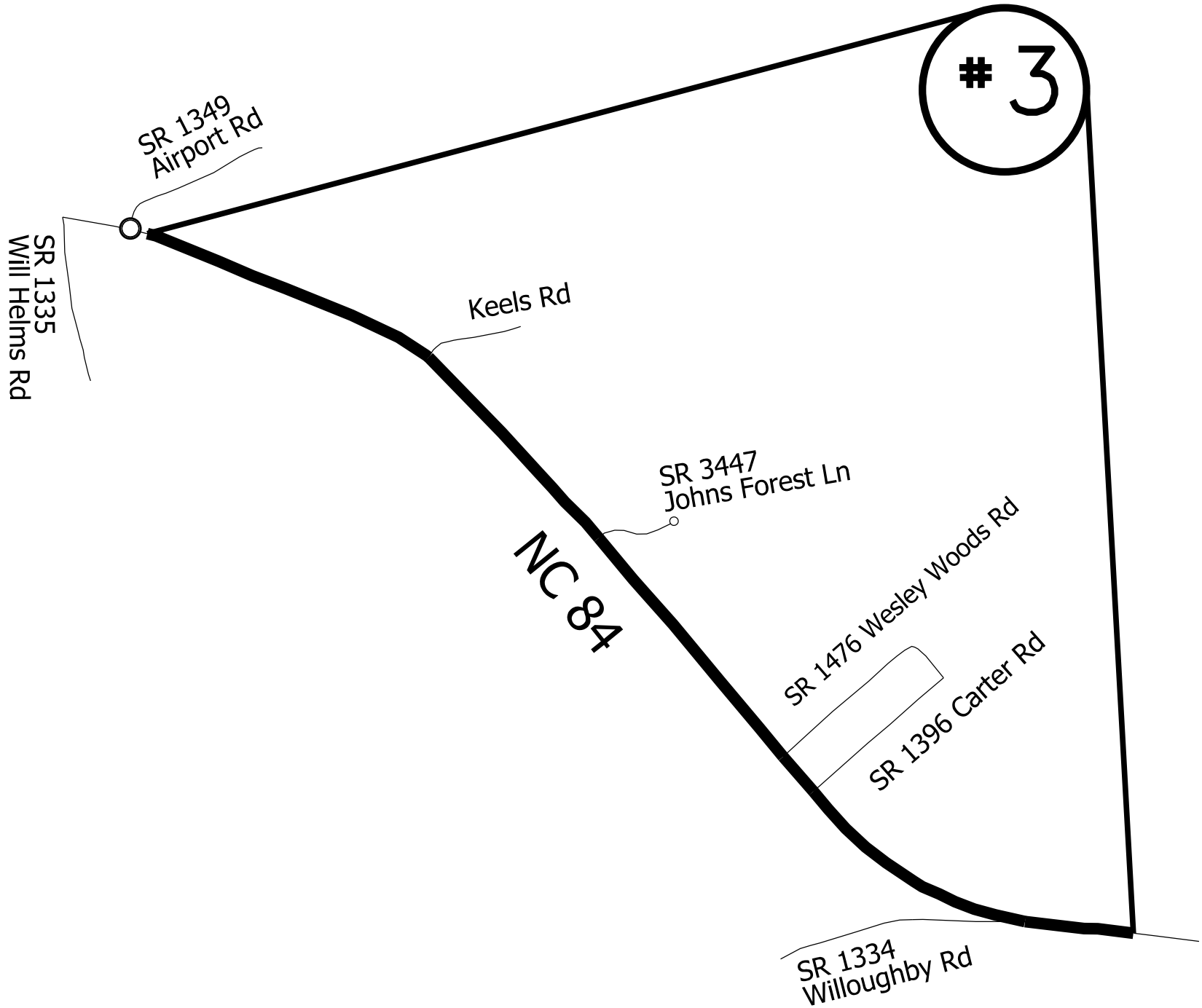
PREPARED BY THE

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

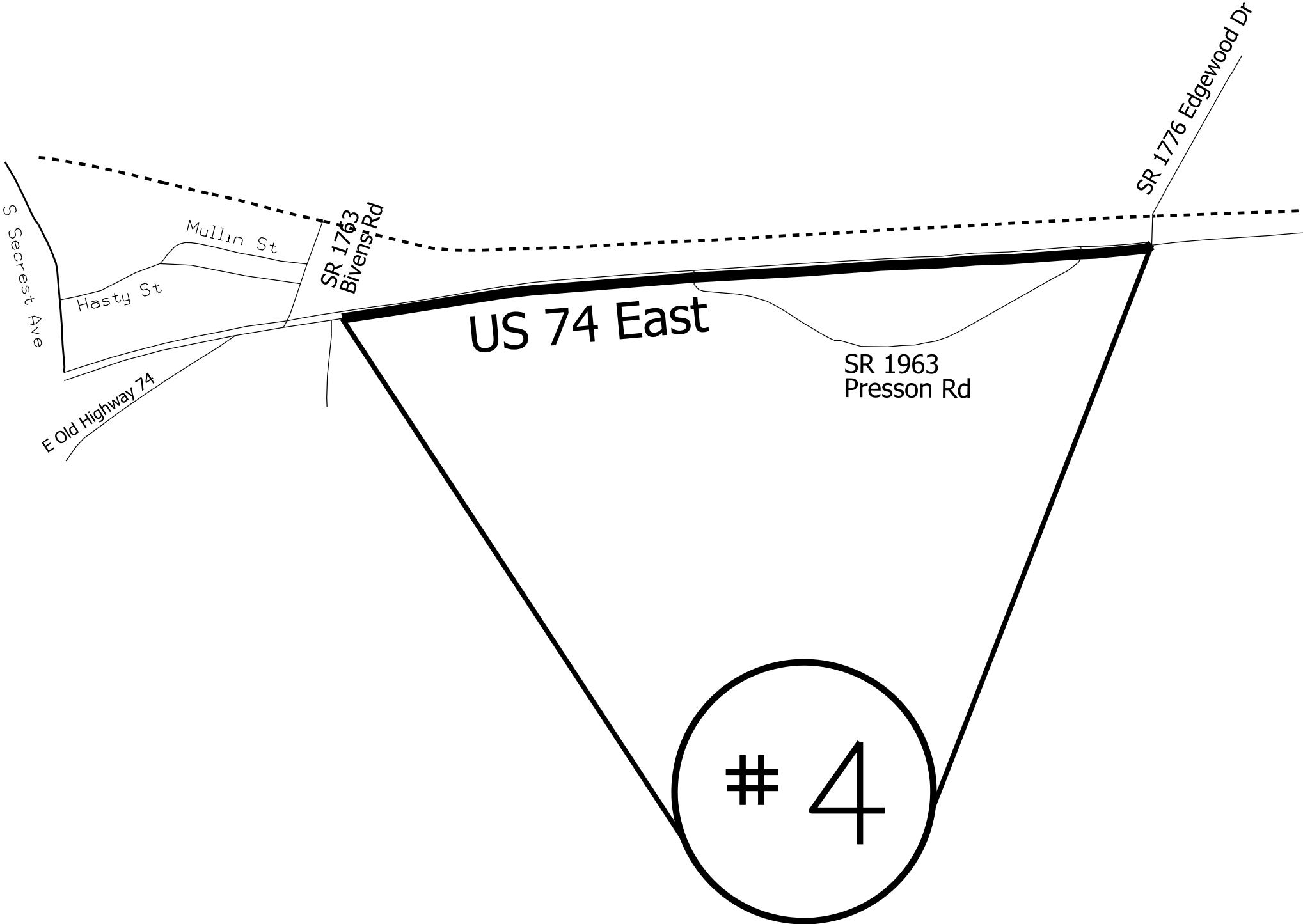
MAP #3 NC 84

1.94 MILES

FROM RAB SR 1349 AIRPORT RD  
TO SR 1334 WILLOUGHBY RD



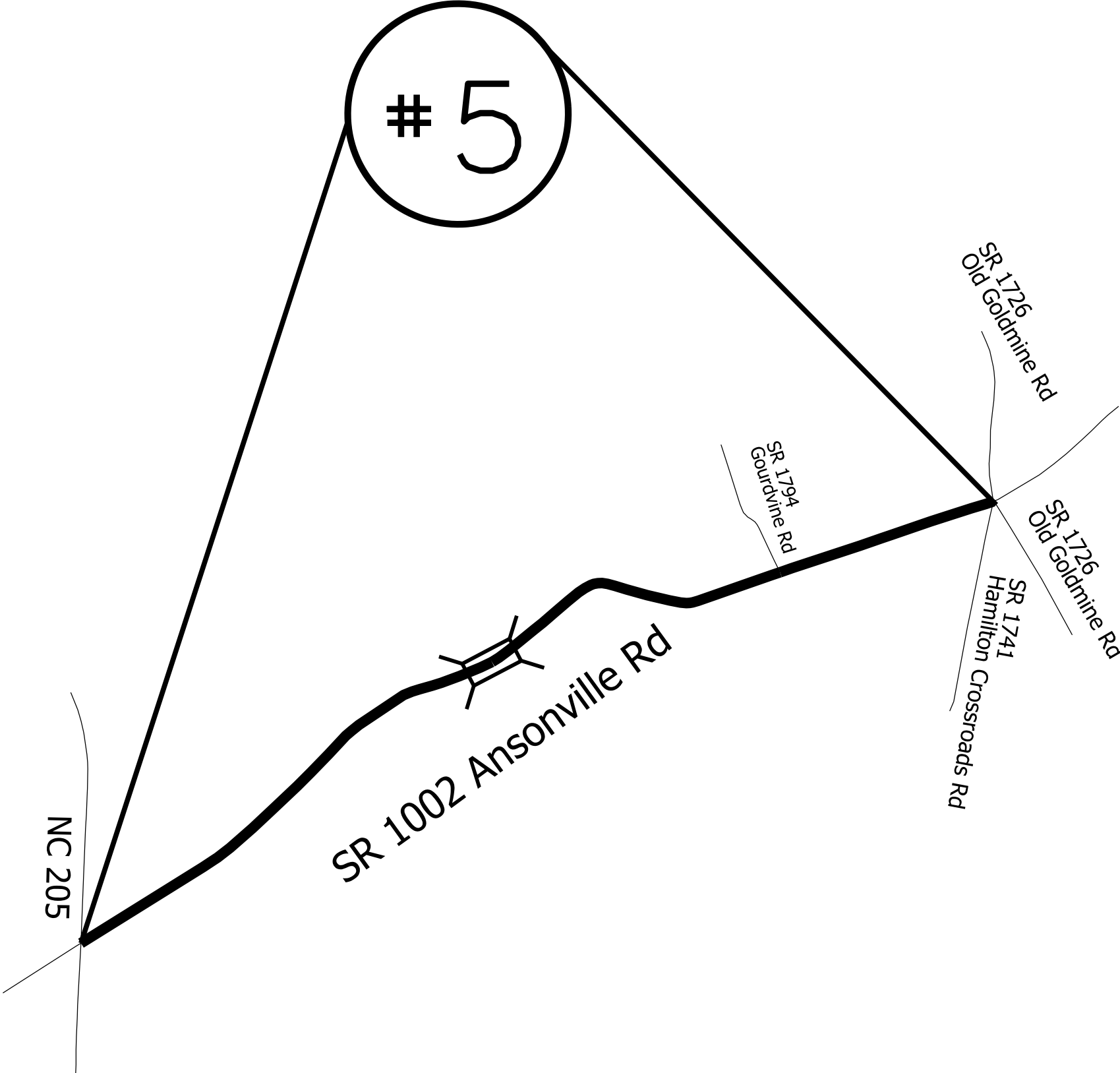
| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 4         |              |
| F.A. PROJECT NO. |                                            |           |              |



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 #4 US 74 EAST  
1.15 MILES  
FROM SR 1763 BIVENS RD  
TO SR 1776 EDGEWOOD DR

| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 5         |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #5 SR 1002 ANSONVILLE RD  
2.26 MILES  
FROM NC 205  
TO SR 1726 OLD GOLDMINE RD

| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 6         |              |
| F.A. PROJECT NO. |                                            |           |              |



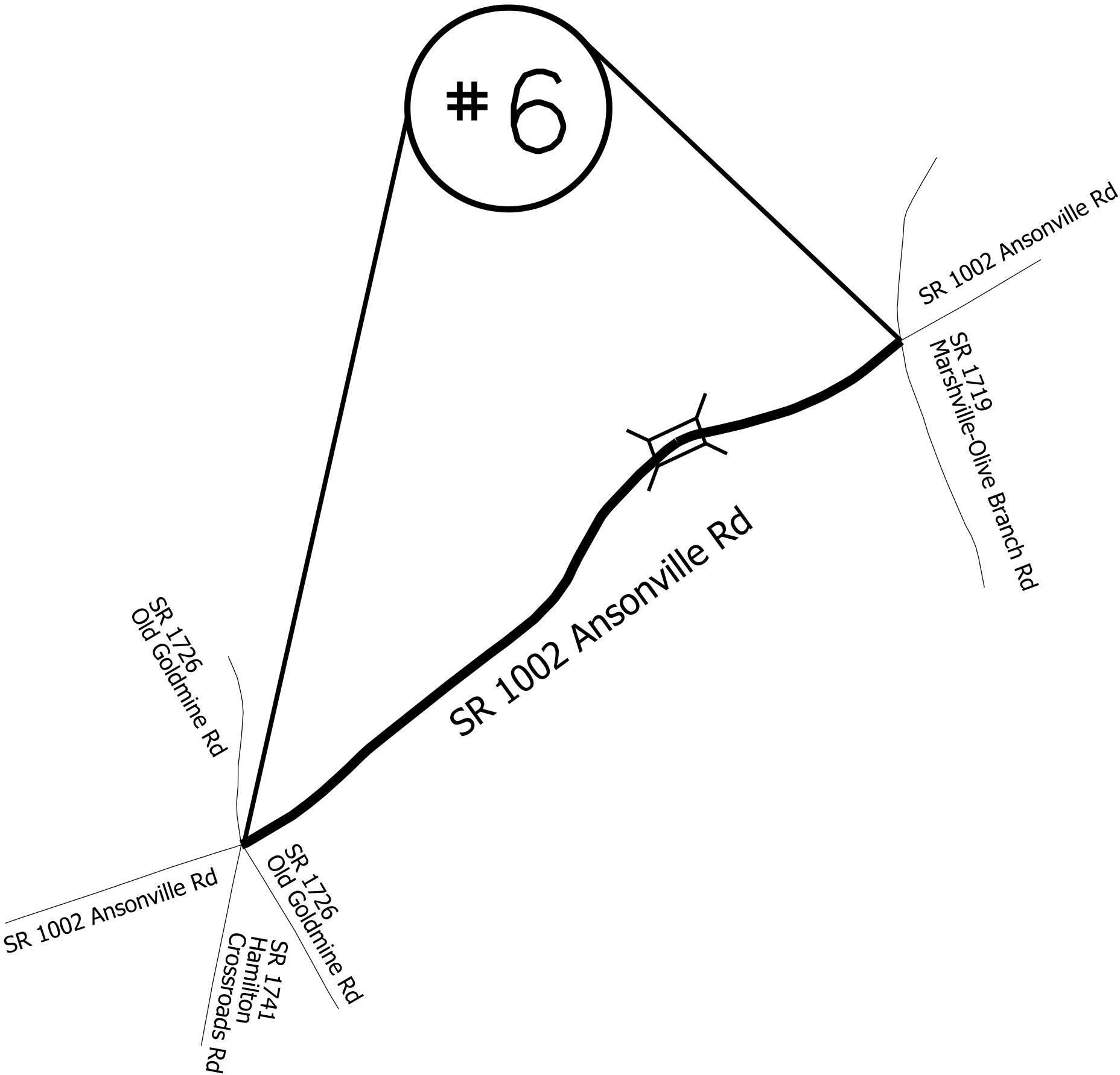
ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

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

MAP #6 SR 1002 ANSONVILLE RD  
1.64 MILES  
FROM SR 1726 OLD GOLDMINE RD  
TO SR 1719 MARSHVILLE-OLIVE BRANCH RD



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 7         |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

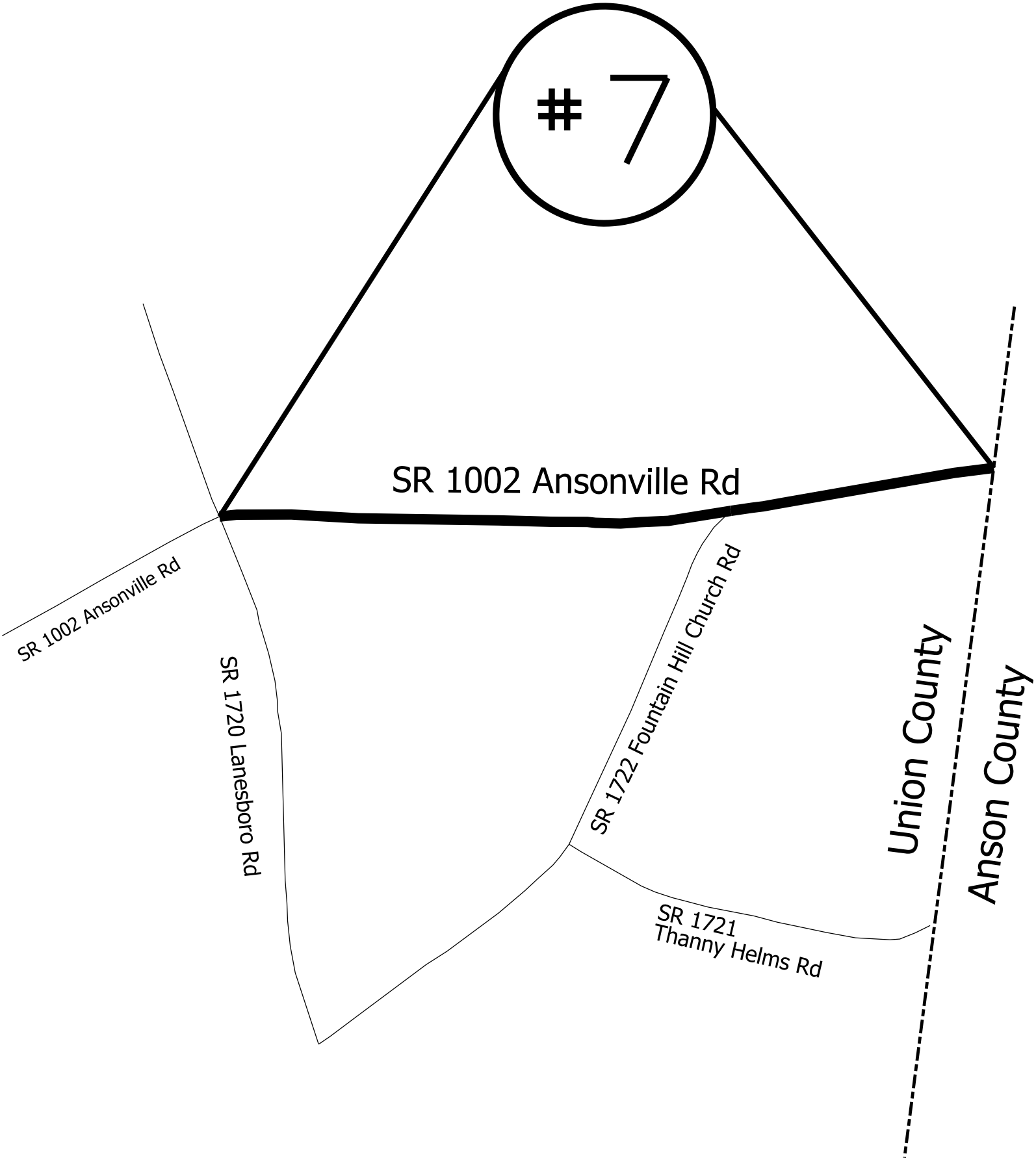
UNION COUNTY

NORTH CAROLINA

PREPARED BY THE

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

MAP #7 SR 1002 ANSONVILLE RD  
0.87 MILES  
FROM SR 1720 LANESBORO RD  
TO ANSON COUNTY LINE



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 8         |              |
| F.A. PROJECT NO. |                                            |           |              |



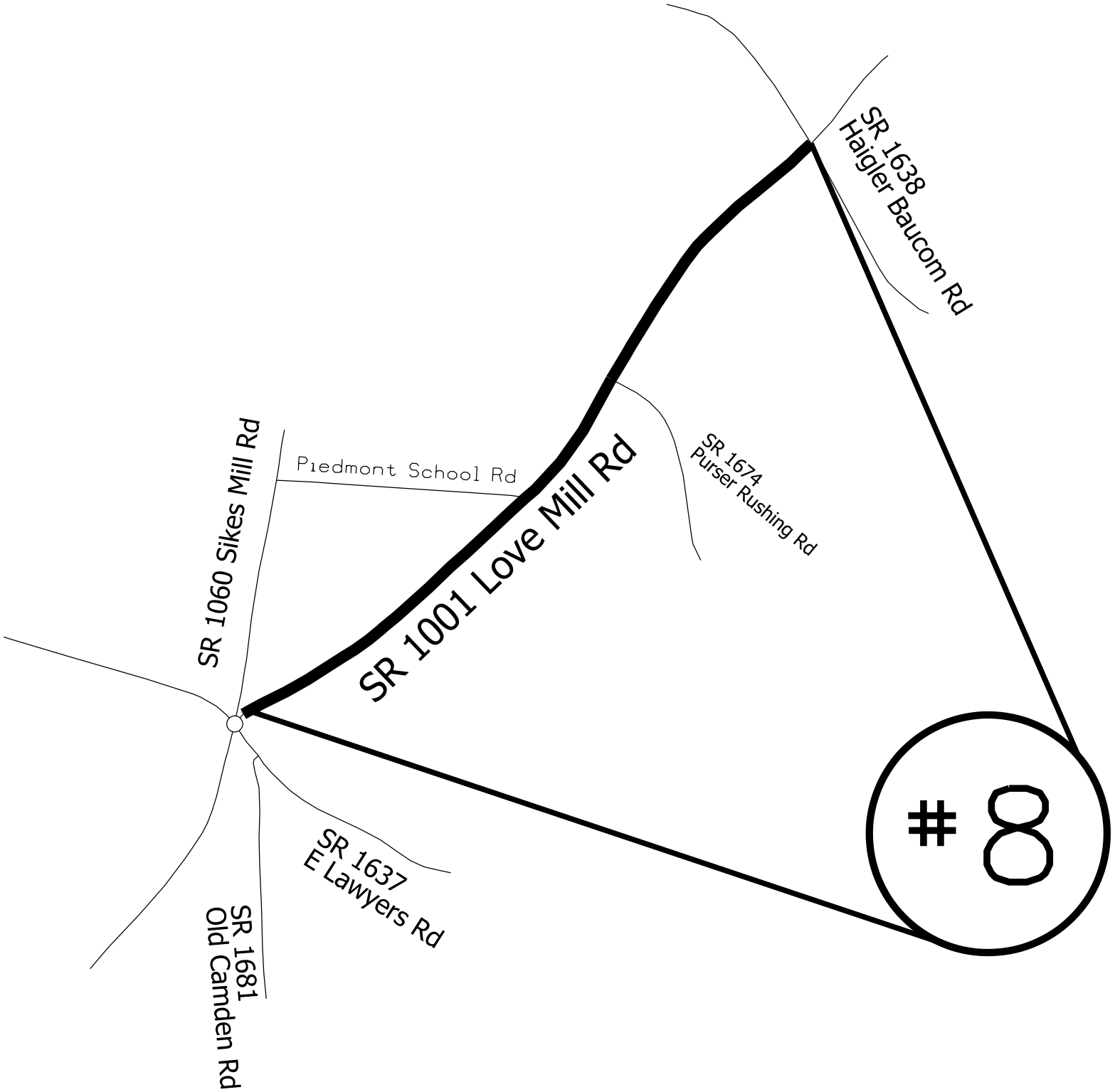
ENLARGED MUNICIPAL AND SUBURBAN AREAS

# UNION COUNTY

NORTH CAROLINA

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

MAP #8 SR 1001 LOVE MILL RD  
1.02 MILES  
FROM RAB SR 1637 E LAWYERS RD  
TO SR 1638 HAIGLER BAUCOM RD



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 9         |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

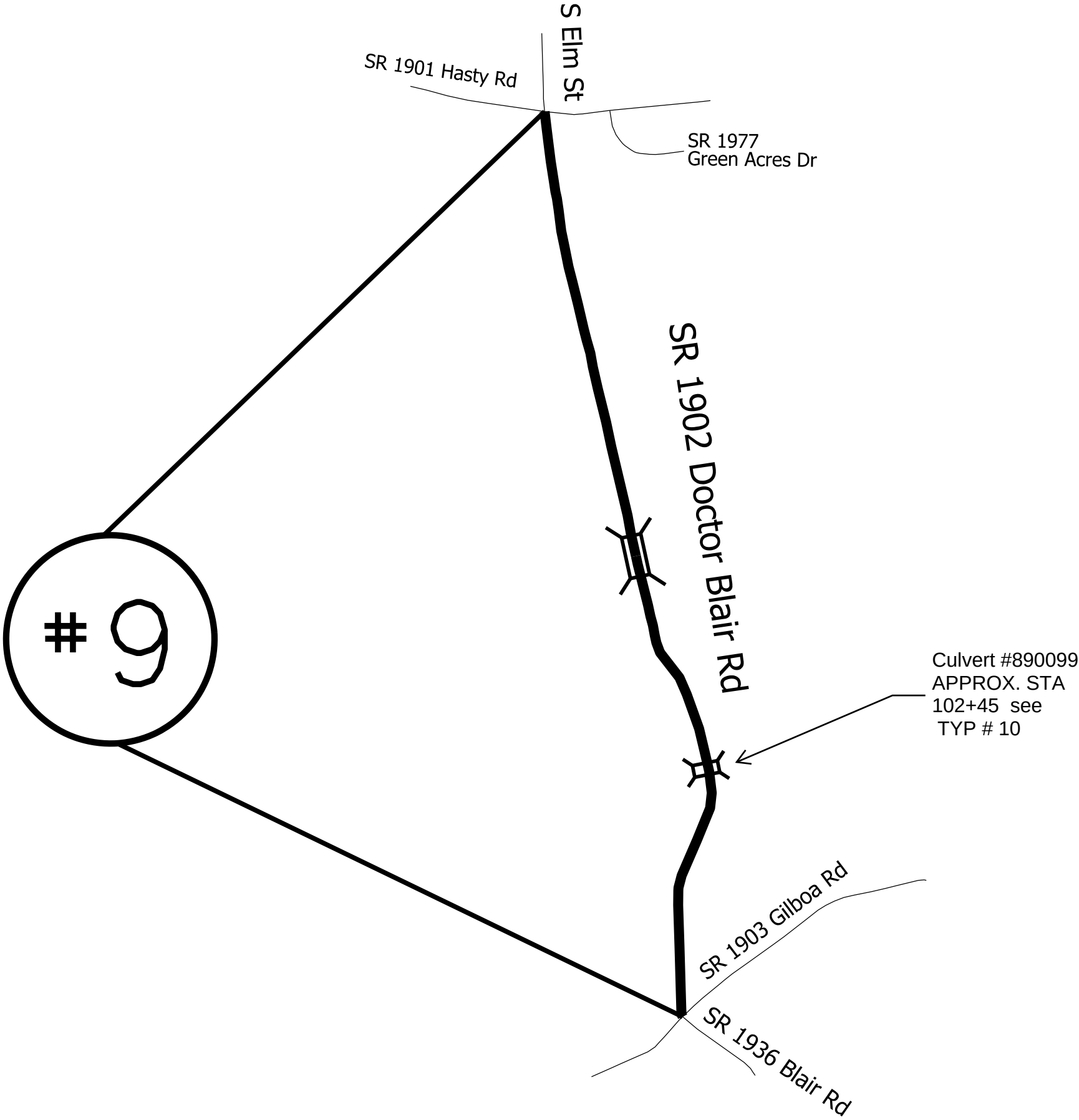
UNION COUNTY

NORTH CAROLINA

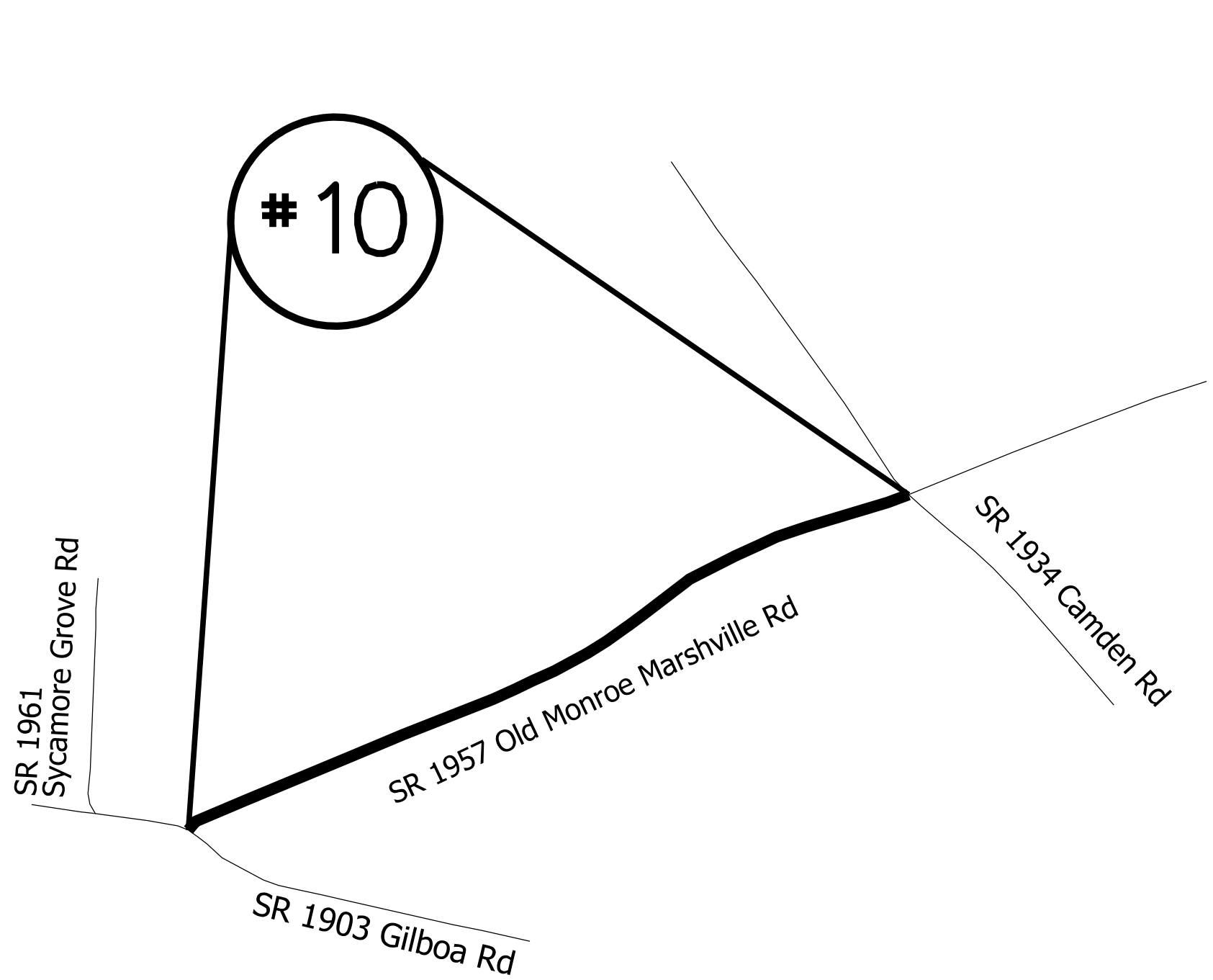
PREPARED BY THE

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

MAP #9 SR 1902 DOCOTR BLAIR RD  
2.57 MILES  
FROM SR 1901 HASTY RD  
TO SR 1903 GILBOA RD



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 10        |              |
| 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 #10 1957 OLD MONROE MARSHVILLE RD  
0.98 MILES  
FROM SR 1903 GILBOA RD  
TO SR 1934 CAMDEN RD

| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 11        |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

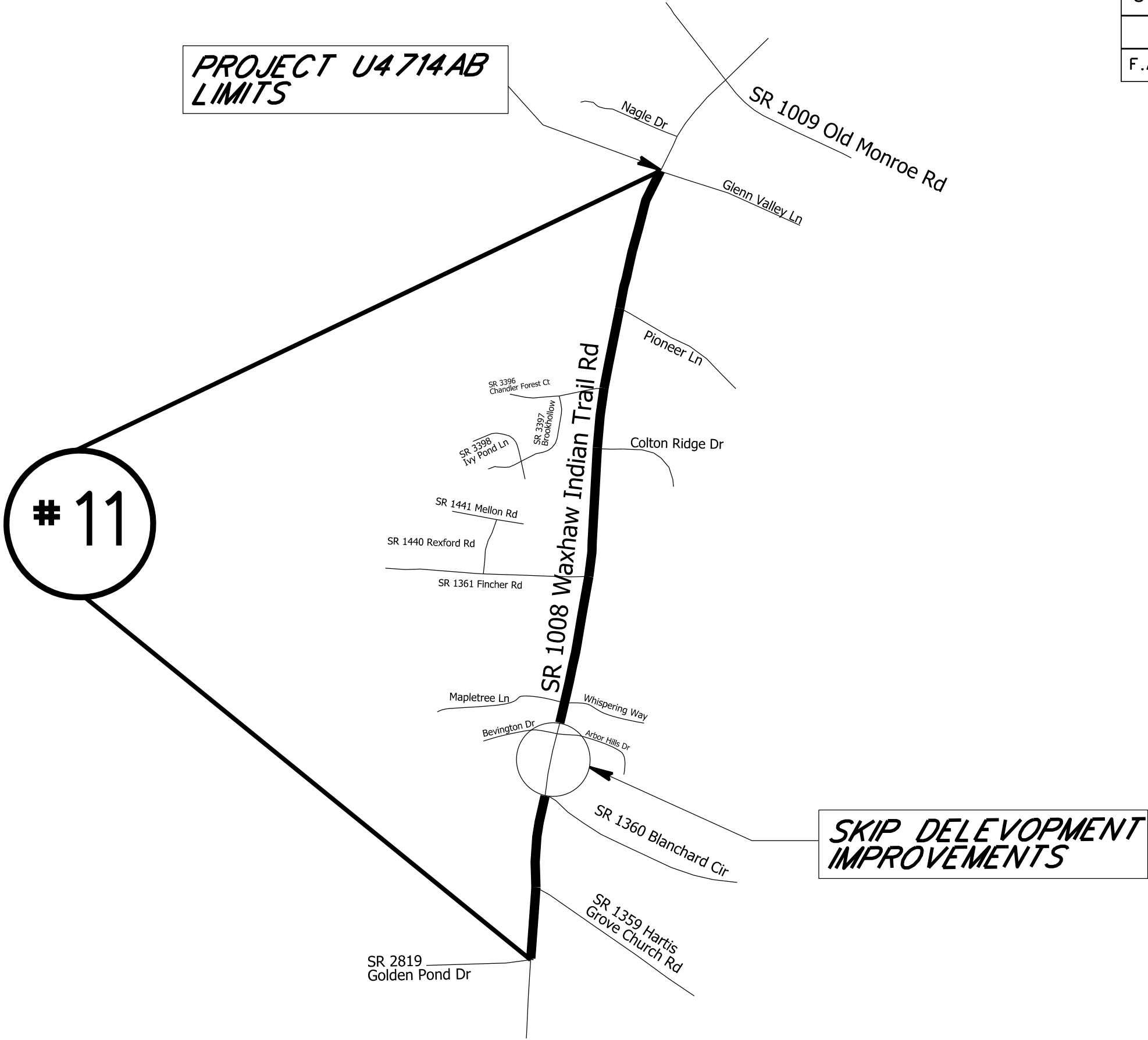
UNION COUNTY

NORTH CAROLINA

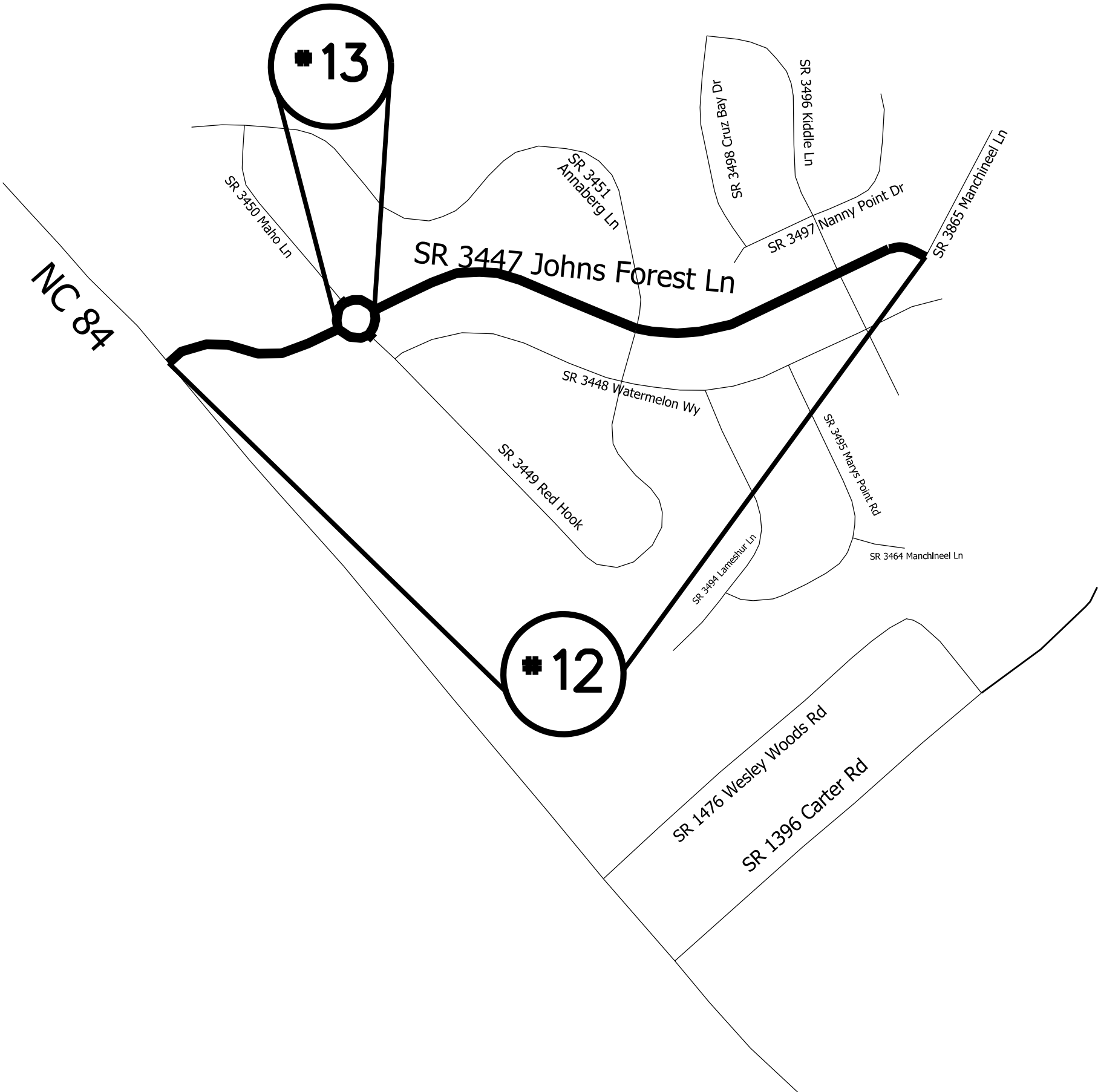
PREPARED BY THE

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

MAP #11 SR 1008 WAXHAW-INDIAN TRAIL RD  
1.35 MILES  
FROM SR 2819 GOLDEN POND RD  
TO GLENN VALLEY LN  
NCDOT PROJECT U4714AB LIMITS



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 12        |              |
| 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 3447 JOHN FOREST LN  
0.61 MILES  
FROM NC 84  
TO SR 3385 MANCHINEEL LN

MAP #13 SR 3447 RAB JOHN FOREST LN  
0.04MILES  
FROM RAB TO RAB

| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 13        |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

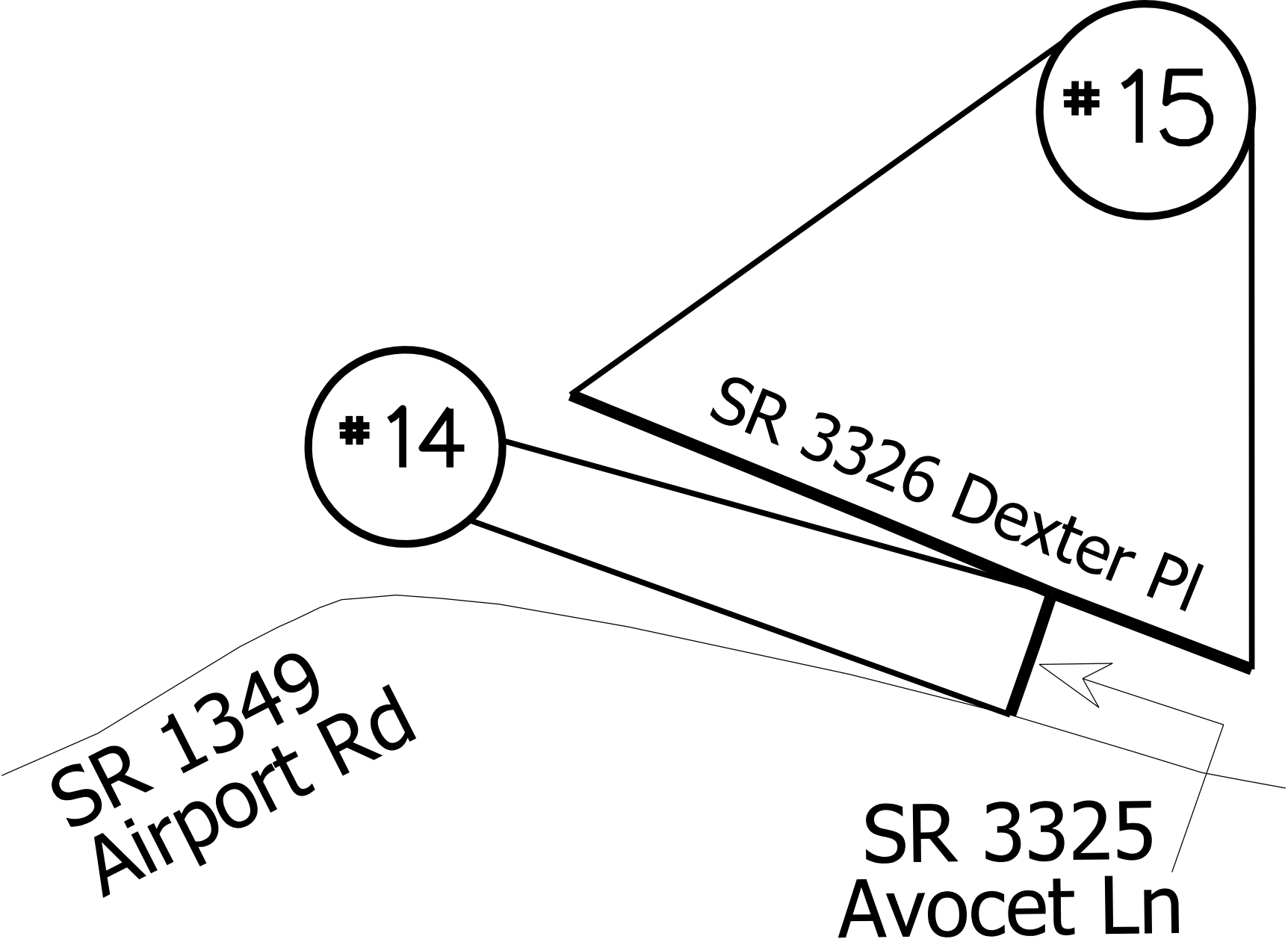
UNION COUNTY

NORTH CAROLINA

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

MAP #14 SR 3325 AVOCET LN  
0.04 MILES  
FROM SR 1349 AIRPORT RD  
TO SR 3326 DEXTER PL

MAP #15 SR 3326 DEXTER PL  
0.23 MILES  
FROM EOM TO EOM  
(CUL DA SAC TO CUL DA SAC)



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 14        |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

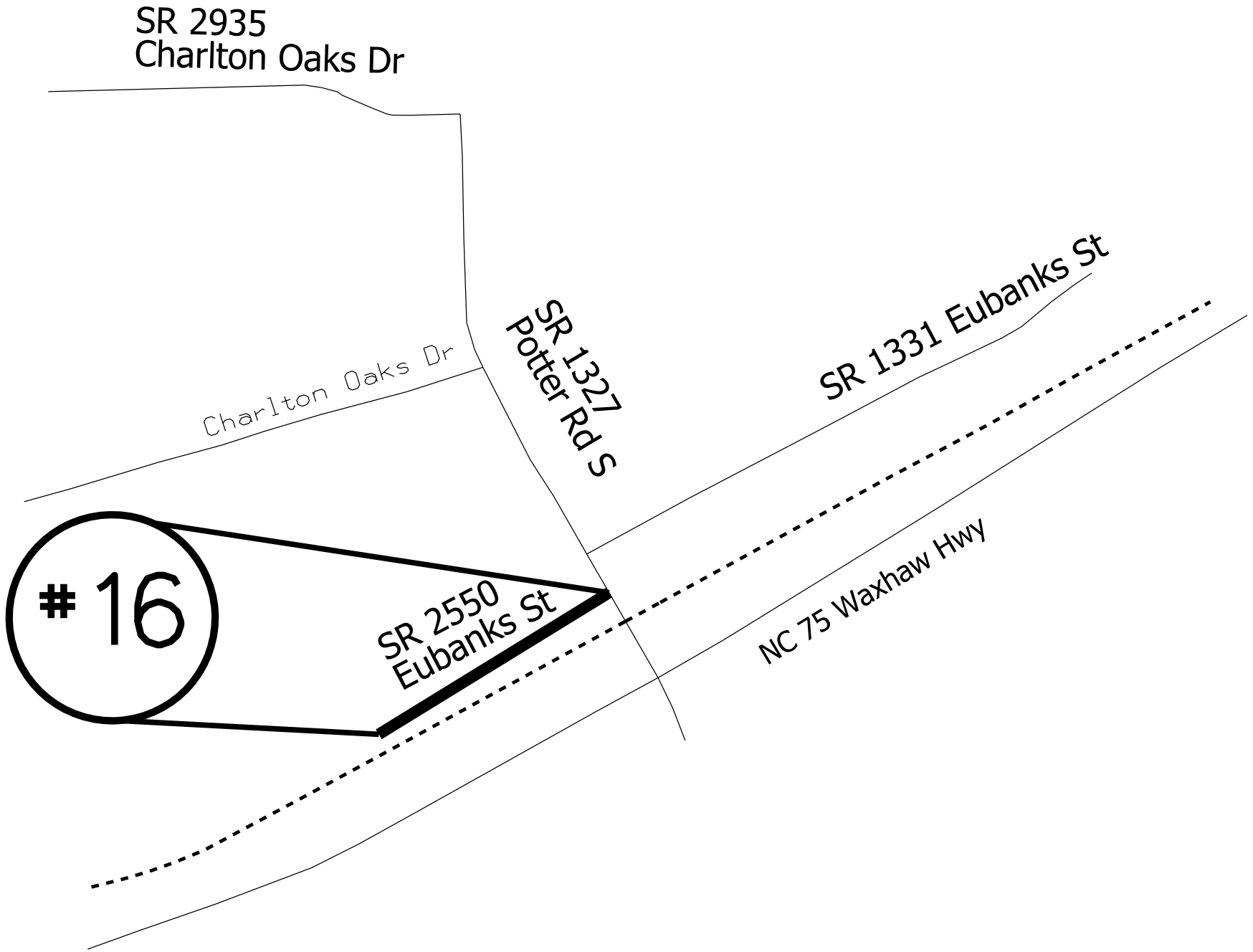
UNION COUNTY

NORTH CAROLINA

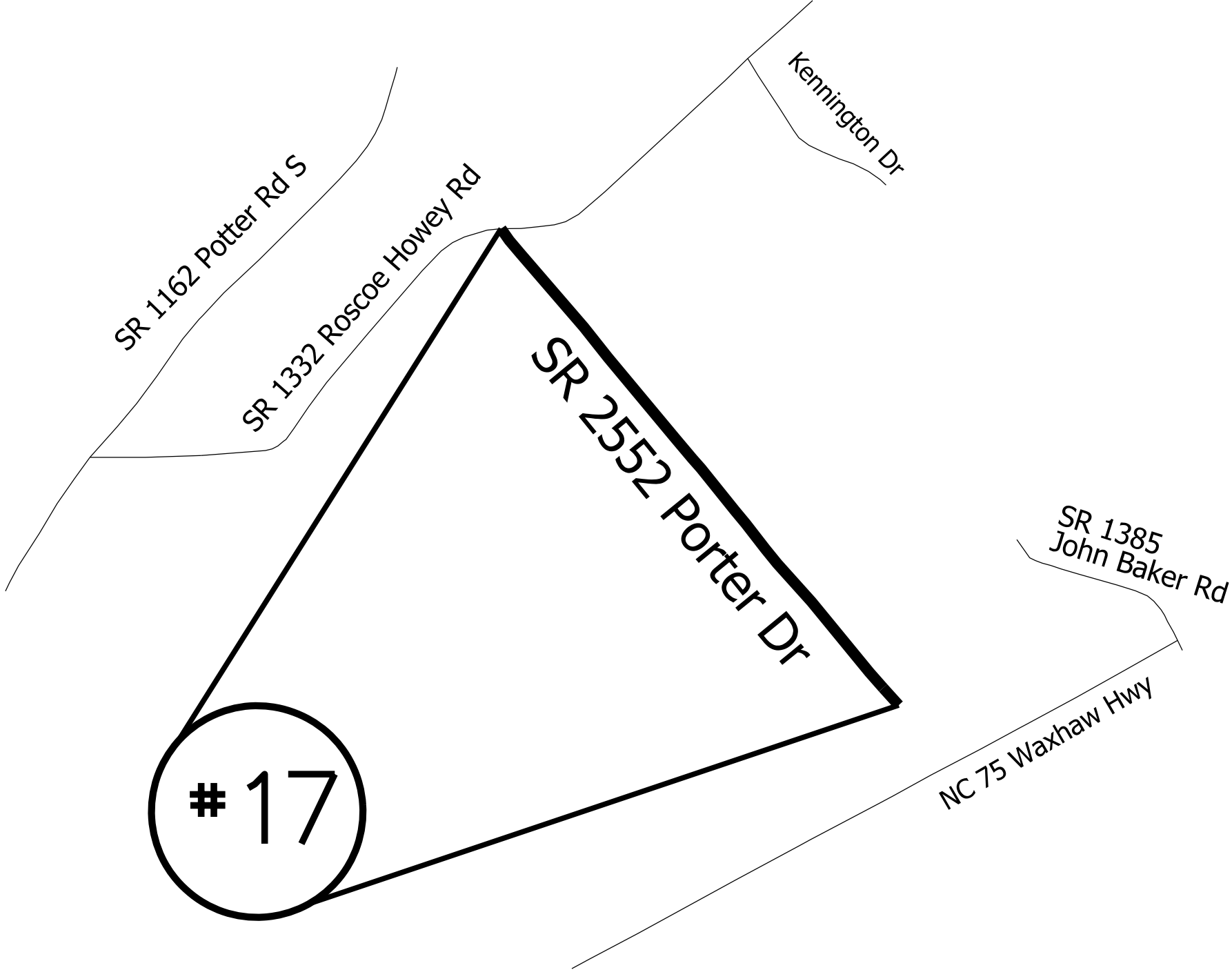
PREPARED BY THE

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

MAP #16 SR 2550 EUBANKS ST  
0.03 MILES  
FROM SR 1327 POTTER RD S  
TO EOM



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 15        |              |
| 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 #17 SR 2552 PORTER DR  
0.83 MILES  
FROM SR 1332 ROSCOE HOWLEY RD  
TO EOM

| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 16        |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

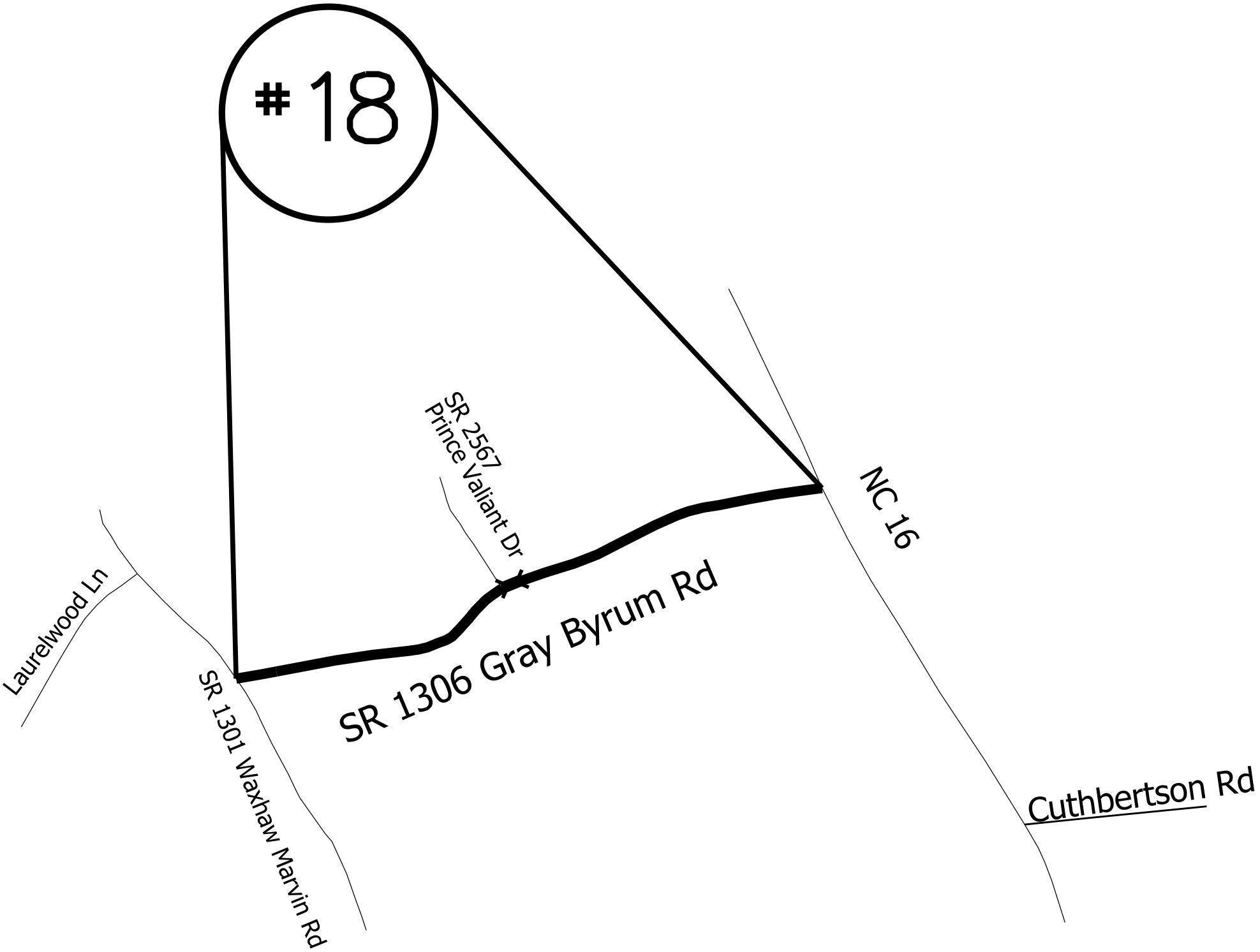
UNION COUNTY

NORTH CAROLINA

PREPARED BY THE

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

MAP #18 SR 1306 GRAY BYRUM RD  
1.04 MILES  
FROM NC 16  
TO SR 1301 WAXHAW-MARVIN RD



| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 17        |              |
| F.A. PROJECT NO. |                                            |           |              |



ENLARGED MUNICIPAL AND SUBURBAN AREAS

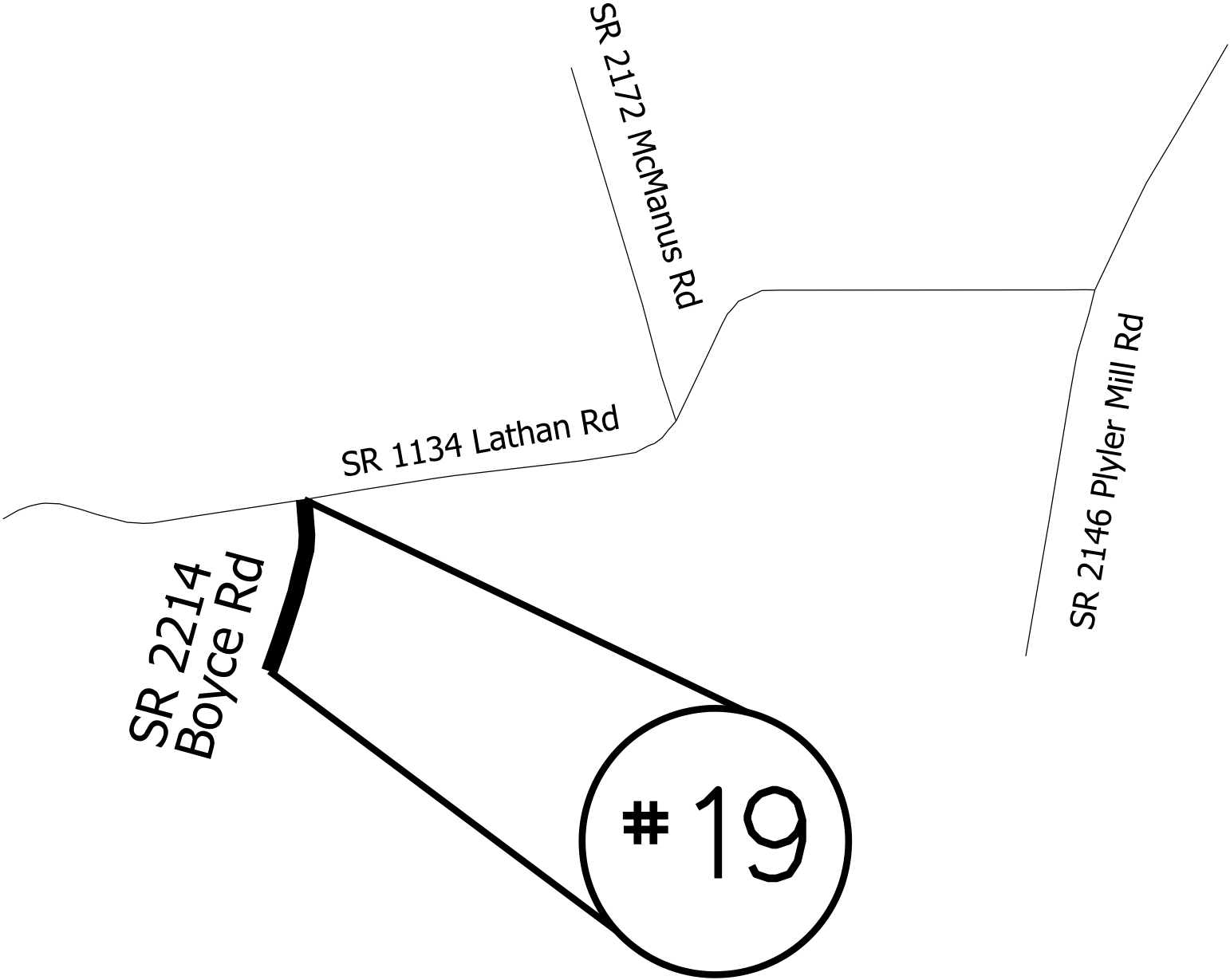
UNION COUNTY

NORTH CAROLINA

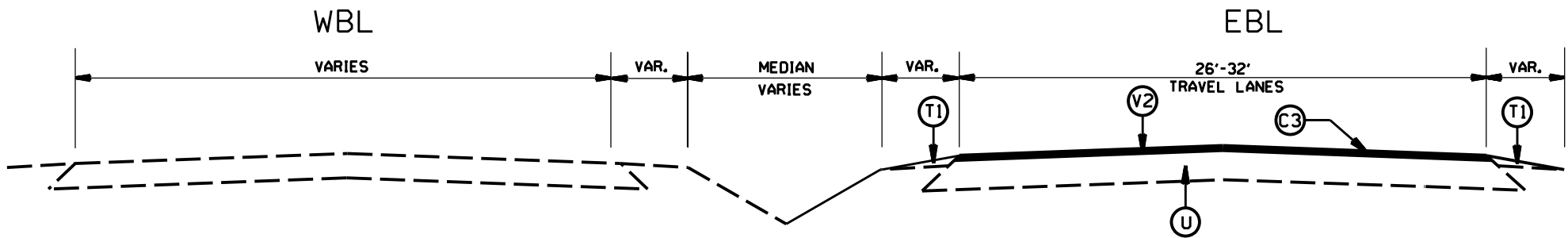
PREPARED BY THE

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

MAP #19 SR 2214 BOYCE RD  
0.18 MILES  
FROM SR 1134 LATHAN RD  
TO EOM



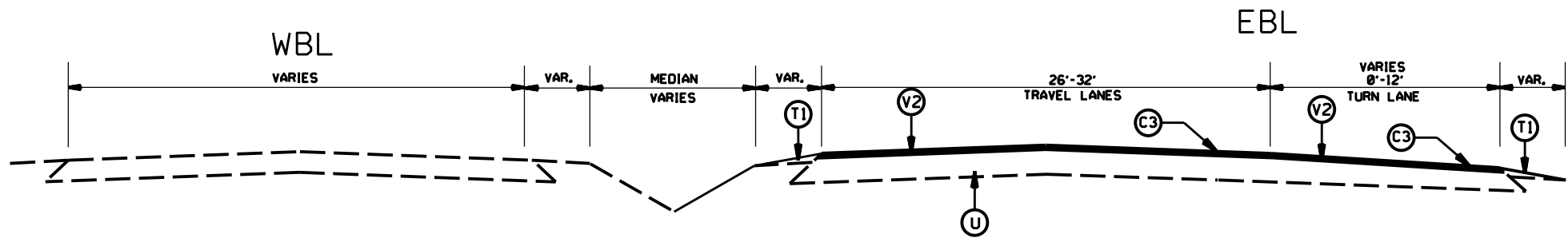
| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 18        |              |
| F.A. PROJECT NO. |                                            |           |              |



TYPICAL SECTION NO. 1  
TRAVEL LANES ONLY  
US 74 EAST (MAPS 1, 2 & 4)

PAVEMENT SCHEDULE

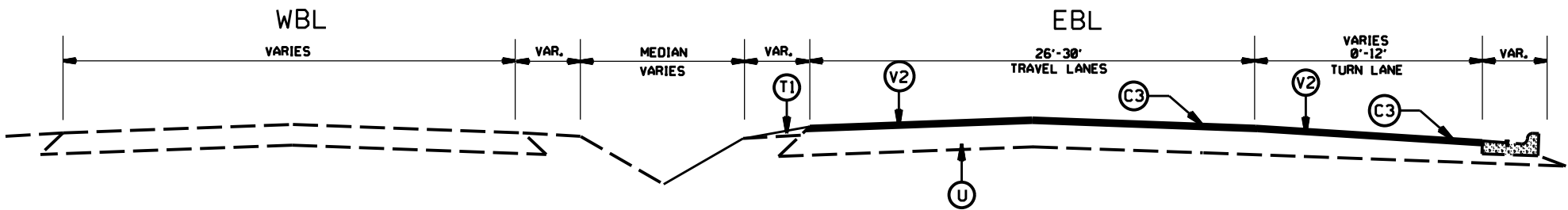
|      |                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------|
| (C1) | PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| (M)  | SINUSOIDAL MILLED RUMBLE STRIPS                                                                         |
| (T1) | SHOULDER RECONSTRUCTION                                                                                 |
| (U)  | EXISTING PAVEMENT                                                                                       |
| (V1) | MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.                                                               |
| (V2) | MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.                                                               |



TYPICAL SECTION NO. 2  
FOR RIGHT TURN LANES  
US 74 EAST (MAPS 1 & 4)

| 2027<br>UNION COUNTY RESURFACING |      |                                                                                       |           |
|----------------------------------|------|---------------------------------------------------------------------------------------|-----------|
| SCALE                            | 1/4" |  | REVISIONS |
| DATE                             | 1/20 |                                                                                       |           |
| DWG. BY                          | AMO  |                                                                                       |           |
| DESIGN BY                        | AMO  |                                                                                       |           |
| APPROVED                         | CLA  |                                                                                       |           |

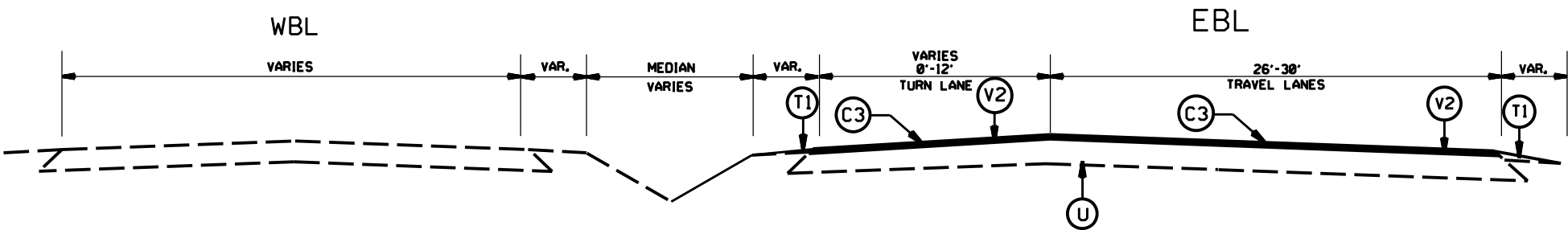
| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 19        |              |
| F.A. PROJECT NO. |                                            |           |              |



TYPICAL SECTION NO. 3  
FOR RIGHT TURN LANES WITH CURB  
US 74 EAST (MAP 1)

PAVEMENT SCHEDULE

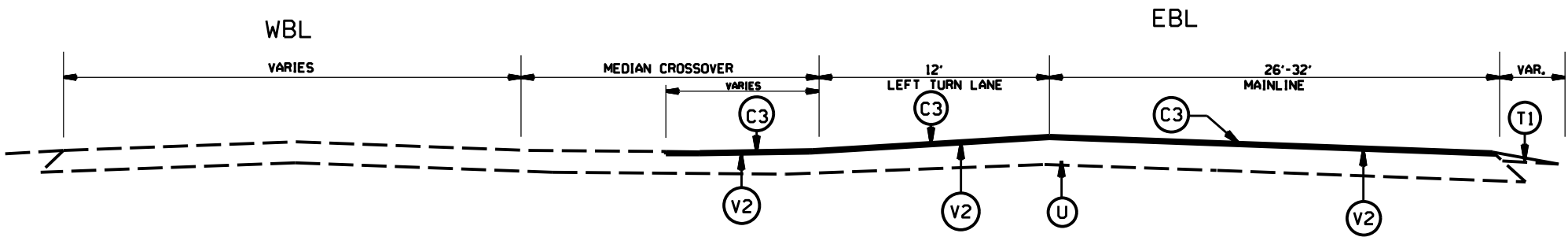
|      |                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------|
| (C1) | PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| (M)  | SINUSOIDAL MILLED RUMBLE STRIPS                                                                         |
| (T1) | SHOULDER RECONSTRUCTION                                                                                 |
| (U)  | EXISTING PAVEMENT                                                                                       |
| (V1) | MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.                                                               |
| (V2) | MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.                                                               |



TYPICAL SECTION NO. 4  
FOR LEFT TURN LANES  
US 74 EAST (MAP 2)

|                                  |       |                                                                                       |           |
|----------------------------------|-------|---------------------------------------------------------------------------------------|-----------|
| 2027<br>UNION COUNTY RESURFACING |       |                                                                                       |           |
| SCALE                            | 1"=4' |  | REVISIONS |
| DATE                             | 1/20  |                                                                                       |           |
| DWG. BY                          | AMO   |                                                                                       |           |
| DESIGN BY                        | AMO   |                                                                                       |           |
| APPROVED                         | CLA   |                                                                                       |           |

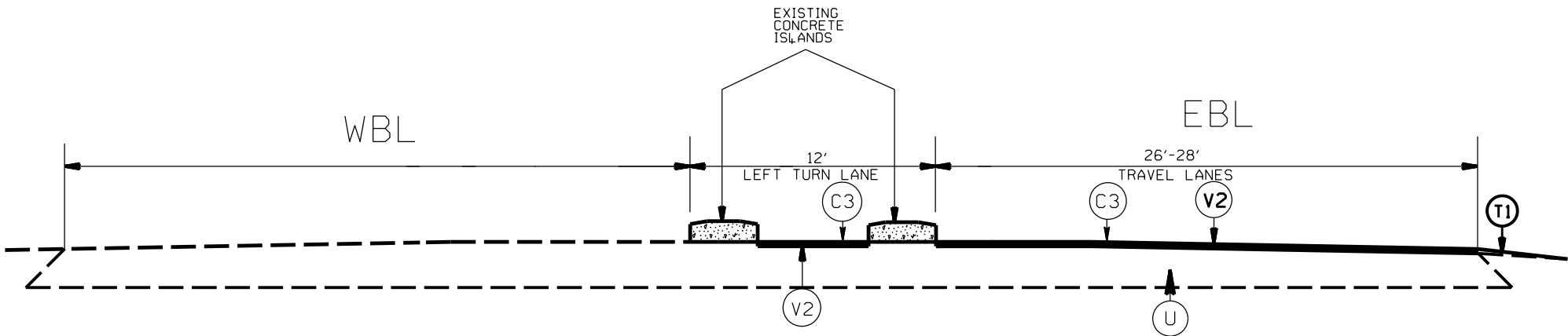
| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 20        |              |
| F.A. PROJECT NO. |                                            |           |              |



TYPICAL SECTION NO. 5  
FOR MEDIAN CROSSOVERS  
US 74 EAST (MAPS 1, 2 & 4)

PAVEMENT SCHEDULE

|      |                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------|
| (C1) | PROP. APPROX. 1.5' ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0' ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| (M)  | SINUSOIDAL MILLED RUMBLE STRIPS                                                                         |
| (T1) | SHOULDER RECONSTRUCTION                                                                                 |
| (U)  | EXISTING PAVEMENT                                                                                       |
| (V1) | MILLING OF EXISTING PAVEMENT, 1.5' DEPTH.                                                               |
| (V2) | MILLING OF EXISTING PAVEMENT, 2.0' DEPTH.                                                               |

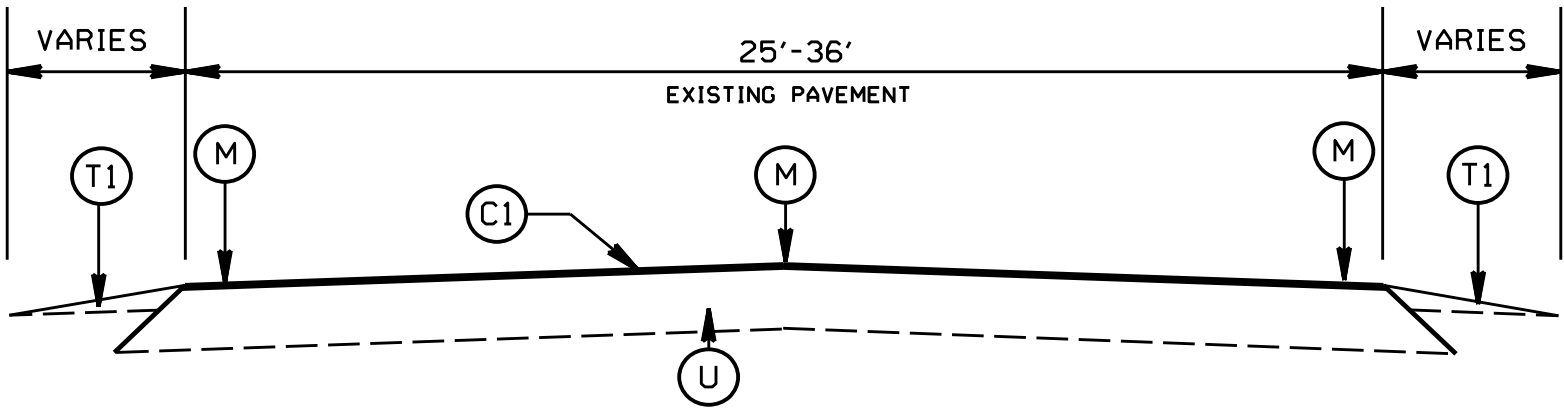


TYPICAL SECTION NO. 6  
FOR LEFTOVER CROSSING  
US 74 EAST (MAP 1)

| 2027<br>UNION COUNTY RESURFACING |      |           |          |
|----------------------------------|------|-----------|----------|
| SCALE                            | DATE | DESIGN BY | APPROVED |
| 1/20                             | 1/20 | AMD       | CLA      |
| REVISIONS                        |      |           |          |
|                                  |      |           |          |
|                                  |      |           |          |
|                                  |      |           |          |



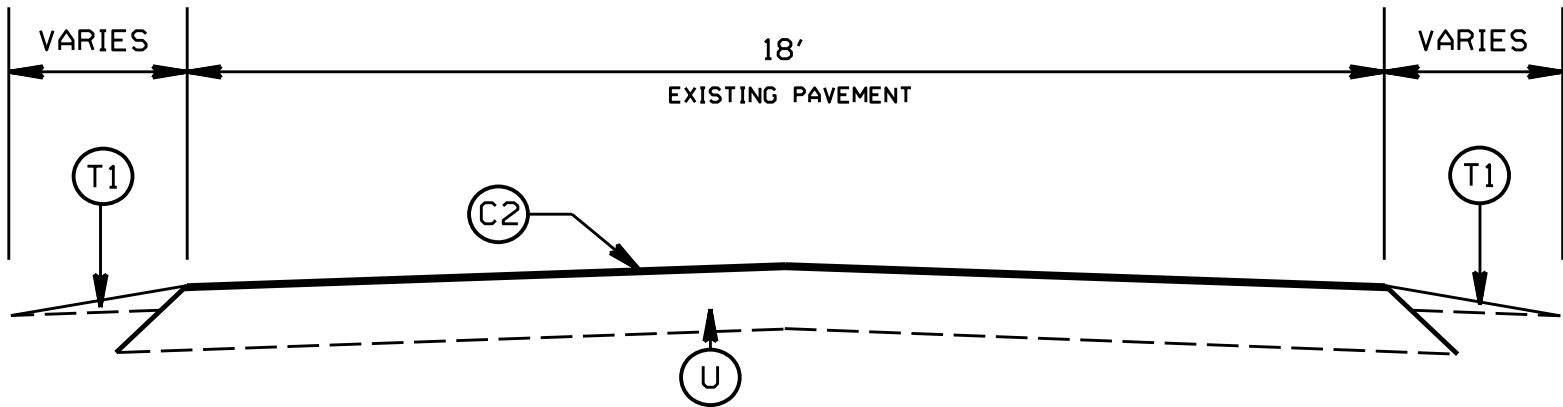
| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 21        |              |
| F.A. PROJECT NO. |                                            |           |              |



TYPICAL SECTION NO. 7  
NC 84 (MAP 3)

PAVEMENT SCHEDULE

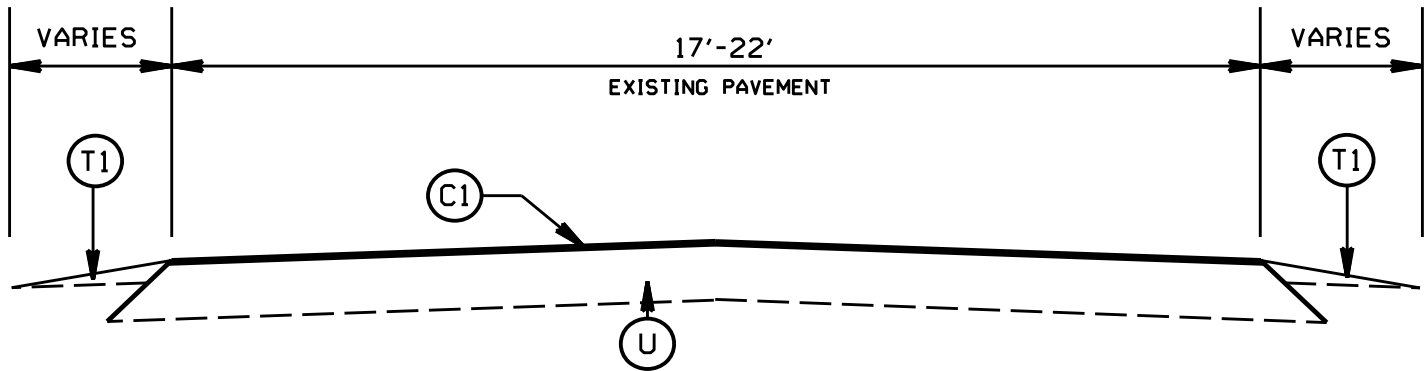
|    |                                                                                                         |
|----|---------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| M  | SINUSOIDAL MILLLED RUMBLE STRIPS                                                                        |
| T1 | SHOULDER RECONSTRUCTION                                                                                 |
| U  | EXISTING PAVEMENT                                                                                       |
| V1 | MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.                                                               |
| V2 | MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.                                                               |



TYPICAL SECTION NO.8  
SR 1002 ANSONVILLE RD (MAP 5)  
SR 1002 ANSONVILLE RD (MAP 6)  
SR 1002 ANSONVILLE RD (MAP 7)

|                                  |        |                                                                                       |           |
|----------------------------------|--------|---------------------------------------------------------------------------------------|-----------|
| 2027<br>UNION COUNTY RESURFACING |        |                                                                                       |           |
| SCALE                            | -N.A.- |  | REVISIONS |
| DATE                             | 1/20   |                                                                                       |           |
| DWG. BY                          | AMO    |                                                                                       |           |
| DESIGN BY                        | AMO    |                                                                                       |           |
| APPROVED                         | CLA    |                                                                                       |           |

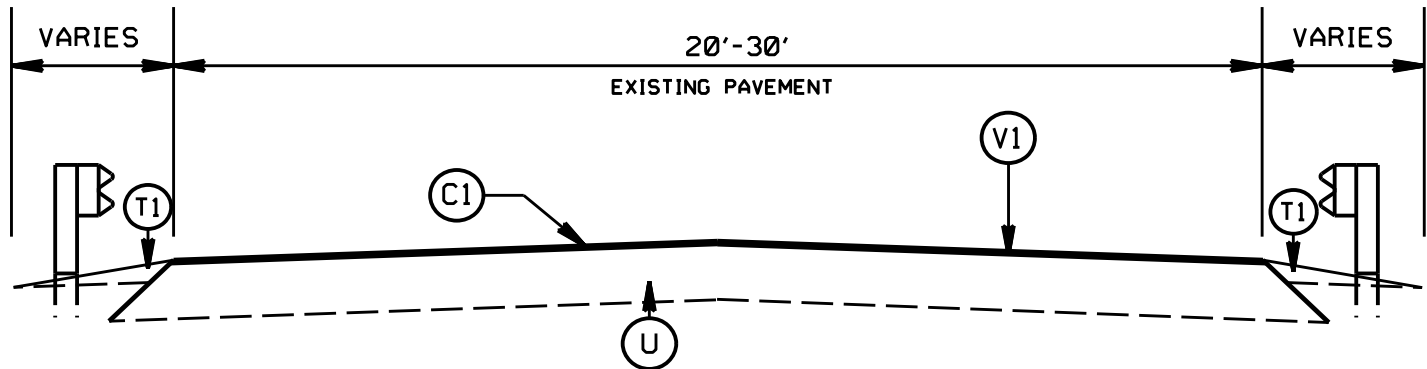
| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 22        |              |
| F.A. PROJECT NO. |                                            |           |              |



TYPICAL SECTION NO. 9  
SR 1001 LOVE MILL RD (MAP 8)  
SR 1902 DOCTOR BLAIR RD (MAP 9)  
APPROX. STA. 10+00 TO STA. 102+45  
APPROX. STA. 104+56 TO STA. 145+70  
SR 1957 OLD MONROE-MARSHVILLE RD (MAP 10)  
SR 2552 PORTER RD (MAP 17)  
SR 1306 GRAY BYRUM RD (MAP 18)  
APPROX. STA. 19+51 TO STA. 64+91  
SR 2214 BOYCE RD (MAP 19)

PAVEMENT SCHEDULE

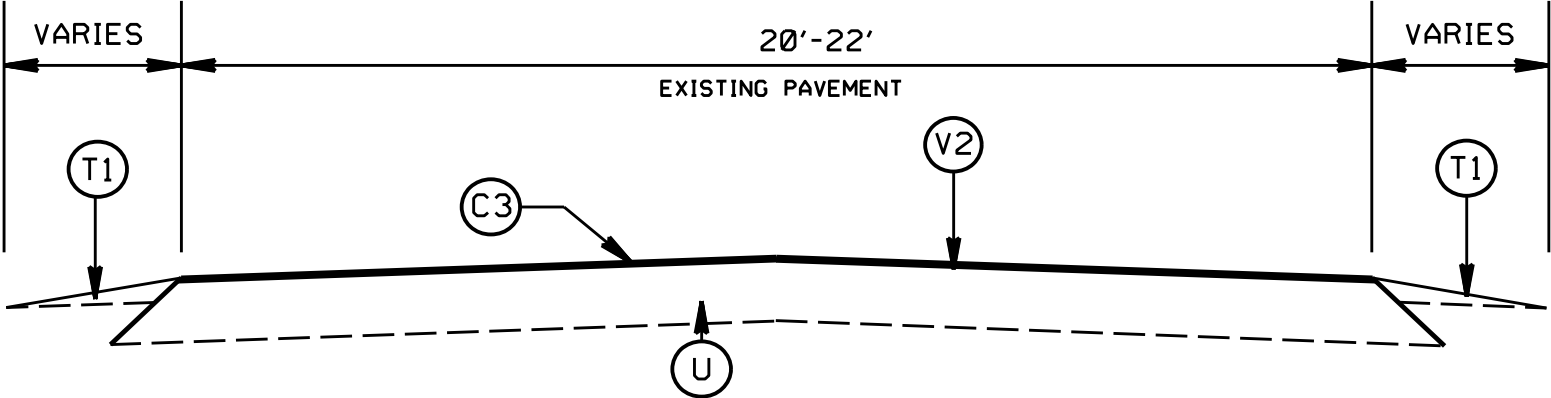
|      |                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------|
| (C1) | PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| (M)  | SINUSOIDAL MILLED RUMBLE STRIPS                                                                         |
| (T1) | SHOULDER RECONSTRUCTION                                                                                 |
| (U)  | EXISTING PAVEMENT                                                                                       |
| (V1) | MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.                                                               |
| (V2) | MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.                                                               |



TYPICAL SECTION NO. 10  
SR 1902 DOCTOR BLAIR RD (MAP 9)  
APPROX. STA. 102+45 TO STA. 104+56

| 2026<br>UNION COUNTY RESURFACING |       |                                                                                       | REVISIONS |  |
|----------------------------------|-------|---------------------------------------------------------------------------------------|-----------|--|
| SCALE                            | NA    |  |           |  |
| DATE                             | 11/23 |                                                                                       |           |  |
| DWG. BY                          | AJB   |                                                                                       |           |  |
| DESIGN BY                        | AJB   |                                                                                       |           |  |
| APPROVED                         | CLA   |                                                                                       |           |  |

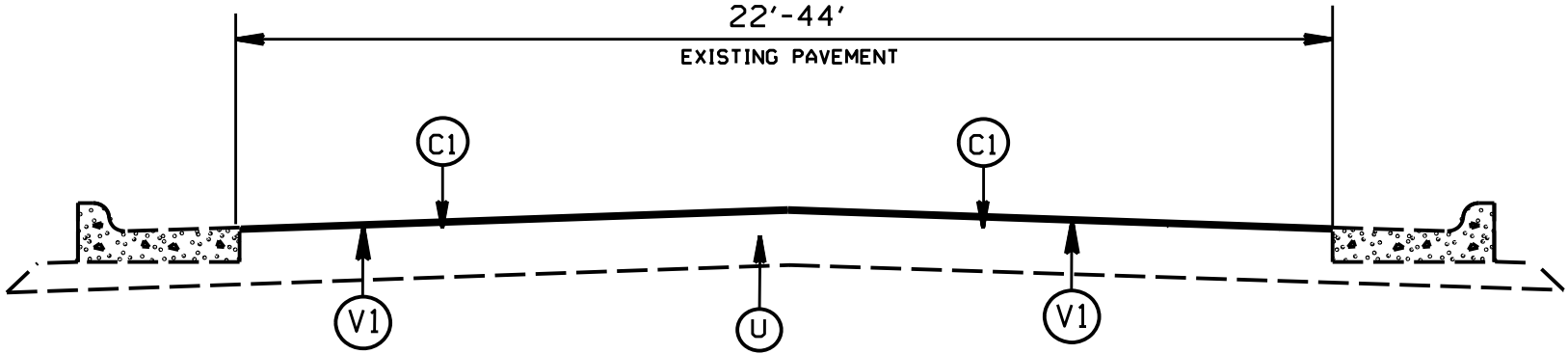
| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 23        |              |
| F.A. PROJECT NO. |                                            |           |              |



TYPICAL SECTION NO. 11  
SR 2550 EUBANKS RD (MAP 16)

PAVEMENT SCHEDULE

|      |                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------|
| (C1) | PROP. APPROX. 1.5\" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0\" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| (M)  | SINUSOIDAL MILLLED RUMBLE STRIPS                                                                         |
| (T1) | SHOULDER RECONSTRUCTION                                                                                  |
| (U)  | EXISTING PAVEMENT                                                                                        |
| (V1) | MILLING OF EXISTING PAVEMENT, 1.5\" DEPTH.                                                               |
| (V2) | MILLING OF EXISTING PAVEMENT, 2.0\" DEPTH.                                                               |

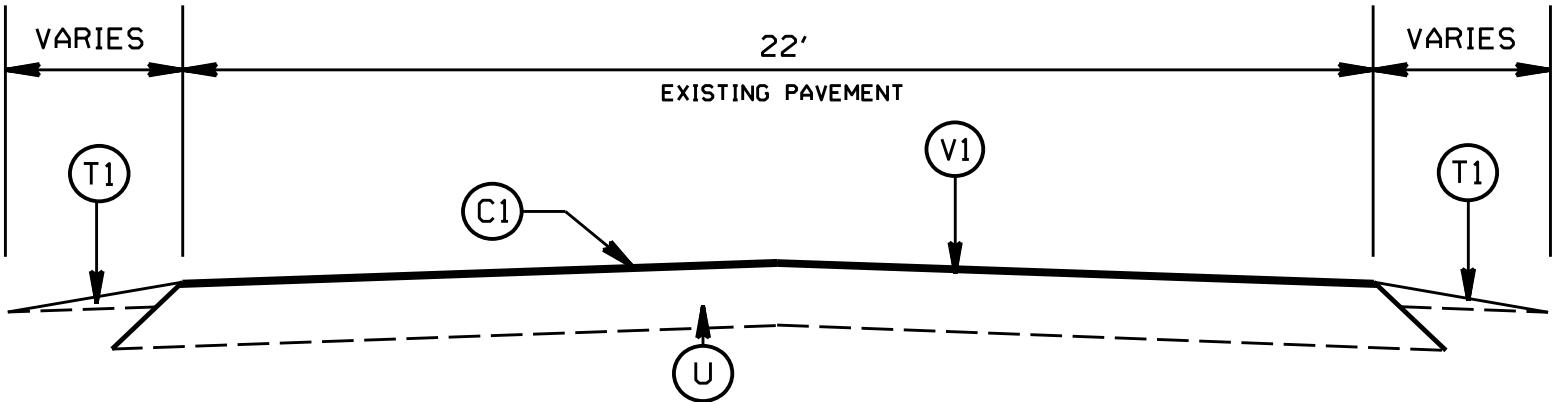


TYPICAL SECTION NO. 12  
SR 1306 GRAY BRYUM RD (MAP 18)  
APPROX. STA. 10+00 TO STA. 19+51

2027  
UNION COUNTY RESURFACING

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

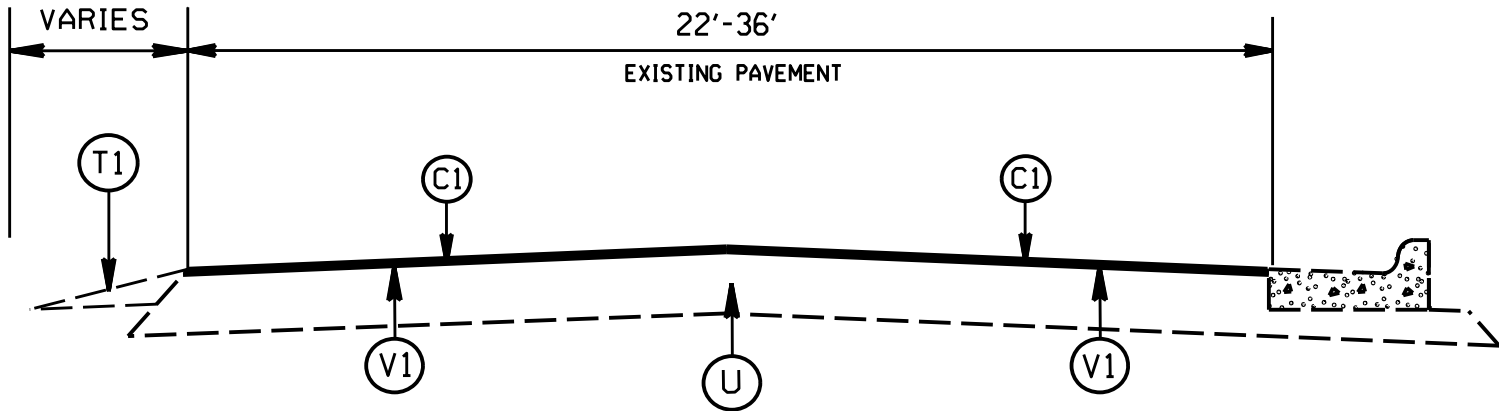
| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 24        |              |
| F.A. PROJECT NO. |                                            |           |              |



TYPICAL SECTION NO.13  
 SR 1008 WAXHAW-INDIAN TRAIL RD (MAP 11)  
 APPROX. STA. 10+00 TO STA.24+17  
 APPROX. STA. 36+67 TO STA. 58+45  
 APPROX. STA. 65+41 TO STA. 81+28

PAVEMENT SCHEDULE

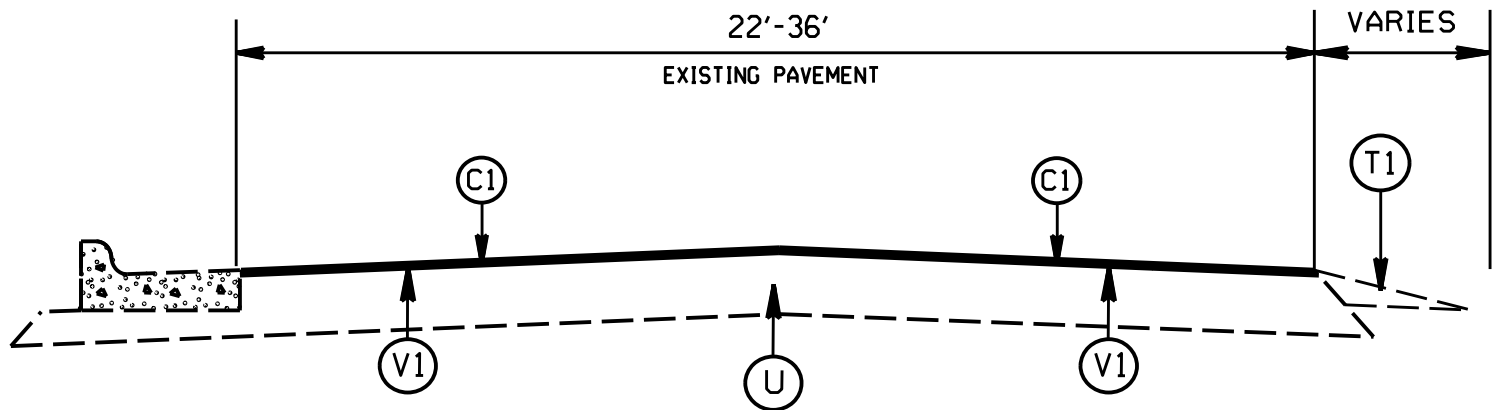
|    |                                                                                                         |
|----|---------------------------------------------------------------------------------------------------------|
| C1 | PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| M  | SINUSOIDAL MILLED RUMBLE STRIPS                                                                         |
| T1 | SHOULDER RECONSTRUCTION                                                                                 |
| U  | EXISTING PAVEMENT                                                                                       |
| V1 | MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.                                                               |
| V2 | MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.                                                               |



TYPICAL SECTION NO.14  
 SR 1008 WAXHAW-INDIAN TRAIL RD (MAP 11)  
 APPROX. STA. 30+13 TO STA. 36+67

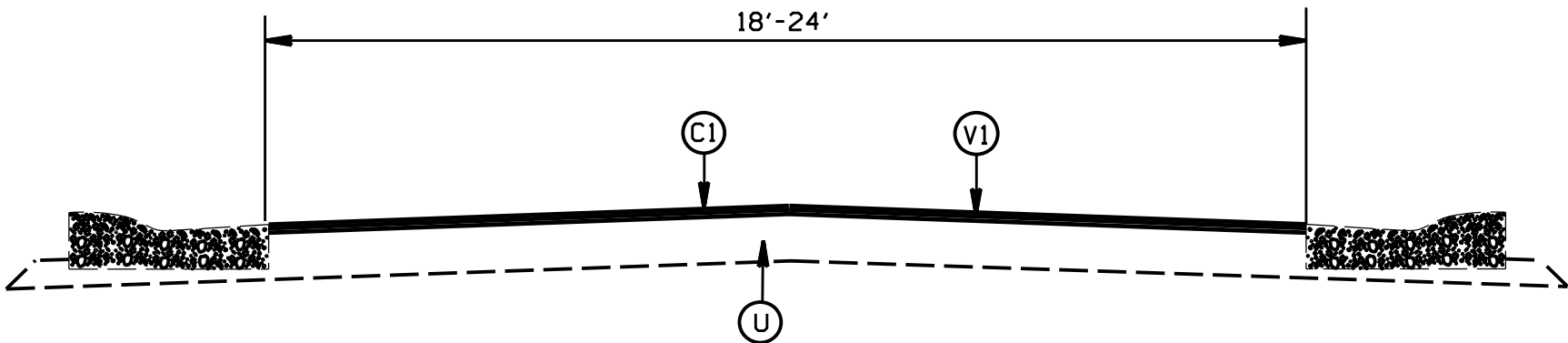
| 2027<br>UNION COUNTY RESURFACING |      |                                                                                       |           |
|----------------------------------|------|---------------------------------------------------------------------------------------|-----------|
| SCALE                            | NA   |  | REVISIONS |
| DATE                             | 1/20 |                                                                                       |           |
| DWG. BY                          | AMO  |                                                                                       |           |
| DESIGN BY                        | AMO  |                                                                                       |           |
| APPROVED                         | CLA  |                                                                                       |           |

| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 25        |              |
| F.A. PROJECT NO. |                                            |           |              |



TYPICAL SECTION NO. 15  
 SR 1008 WAXHAW-INDIAN TRAIL RD (MAP 11)  
 APPROX. STA. 58+45 TO STA. 65+41

| PAVEMENT SCHEDULE |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| (C1)              | PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| (M)               | SINUSOIDAL MILLLED RUMBLE STRIPS                                                                        |
| (T1)              | SHOULDER RECONSTRUCTION                                                                                 |
| (U)               | EXISTING PAVEMENT                                                                                       |
| (V1)              | MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.                                                               |
| (V2)              | MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.                                                               |



TYPICAL SECTION NO. 16  
 SR 3447 JOHN FOREST LN (MAP 12)  
 SR 3447 JOHN FOREST LN (MAP 13)  
 SR 3325 AVOCET DR (MAP 14)  
 SR 3326 DEXTER PL (MAP 15)

| 2027<br>UNION COUNTY RESURFACING |      |           |          |
|----------------------------------|------|-----------|----------|
| SCALE                            | DATE | DESIGN BY | APPROVED |
| 1/20                             | AMO  | AMO       | CLA      |
| REVISIONS                        |      |           |          |
|                                  |      |           |          |
|                                  |      |           |          |
|                                  |      |           |          |

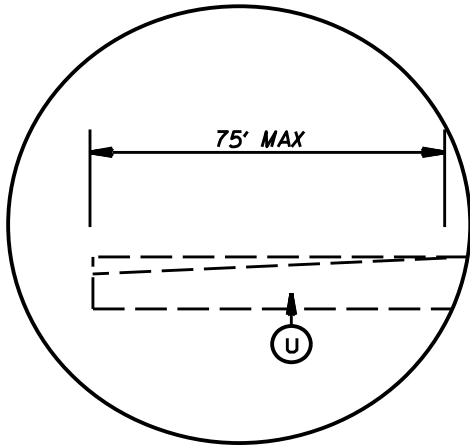
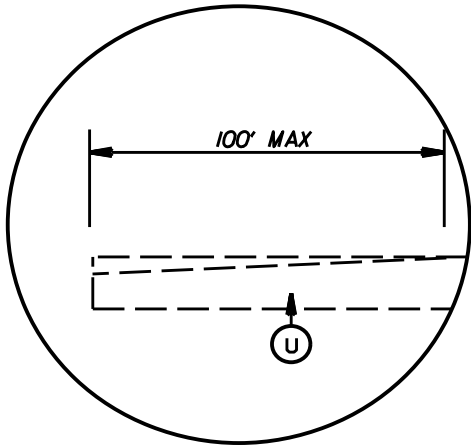
PROJECT NOTES:

| STATE            | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|------------------|--------------------------------------------|-----------|--------------|
| N.C.             | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 26        |              |
| F.A. PROJECT NO. |                                            |           |              |

- 1.DEPTH OF PATCHING WILL BE AS DETERMINED BY THE ENGINEER.
- 2.SHOULDER RECONSTRUCTION WILL BE AS IDENTIFIED BY THE ENGINEER.
- 3.SKIP THE DEVELOPMENT ROADWAY IMPROVEMENTS MAP 11 (SR 1008 WAXHAW-INDIAN TRAIL RD) APPROX.STA. 24+17 TO 30+13.
- 4.INSTALL SINUSOIDAL CENTERLINE AND EDGELINE MILLED RUMBLE STRIPS WITH 6" THERMO MARKINGS ON MAP 3 (NC-84). SEE TYPICAL #7 AND RUMBLE STRIP STANDARDS SHEETS 29, 30, AND 31,
- 5.INSTALL SNOW PLOWABLE MARKERS ON MAPS 1,2,3 AND 4.
6. MILL EXISTING ASPHALT RIDING SURFACE OVER CULVERT TO A DEPTH OF 1.5" PRIOR TO PLACING THE 1.5" OVERLAY ON MAP 9 (TYPICAL #10).
7. NO MILLING WILL BE ALLOWED ON THE ASPHALT RIDING SURFACE OF BRIDGES ON MAPS 5,6,9, AND 18. ANY DAMAGED ASPHALT ON THE BRIDGE THAT REQUIRES PATCHING WILL NEED TO CONDUCTED BY MEANS OTHER THAN MILLING. CONTACT BRIDGE MAINTENANCE WITH ANY QUESTIONS ABOUT PATCHING THE ASPHALT RIDING SURFACE ATOP THE BRIDGES. IF BRIDGE IS DAMAGED DUE TO RESURFACING OPERATIONS, CONTACT NCDOT BRIDGE MAINTENANCE FOR REPAIR RECOMMENDATIONS. REPAIR WILL BE AT THE CONTRACTORS EXPENSE.
8. 4 INCH PAINT MARKINGS SHOWN ON THE SOQ FOR MAPS 1,2 AND 4. ARE TO BE USED FOR TEMPORARY MEASURES IF NEEDED. 6 INCH THREMO (LLPM) ARE TO BE PLACED FOR FINAL MARKINGS.

|                                  |       |                                                                                       |           |  |
|----------------------------------|-------|---------------------------------------------------------------------------------------|-----------|--|
| 2027<br>UNION COUNTY RESURFACING |       |                                                                                       | REVISIONS |  |
| SCALE                            | NA    |  |           |  |
| DATE                             | 01/20 |                                                                                       |           |  |
| DWG. BY                          | AJB   |                                                                                       |           |  |
| DESIGN BY                        | AJB   |                                                                                       |           |  |
| APPROVED                         | CLA   |                                                                                       |           |  |

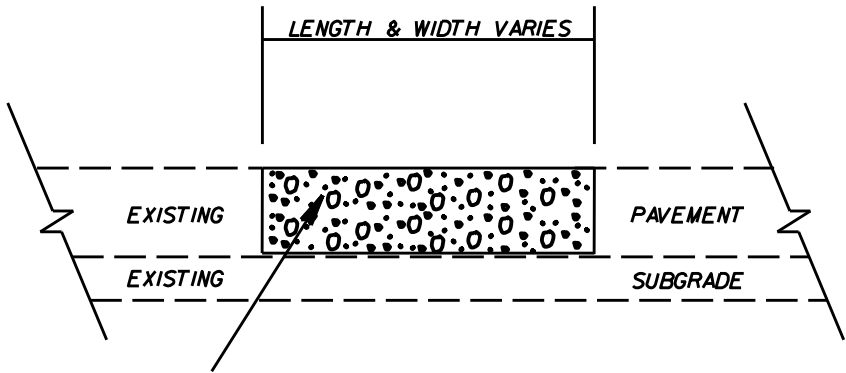
| STATE | PROJECT NO.                                | SHEET NO. | TOTAL SHEETS |
|-------|--------------------------------------------|-----------|--------------|
| N.C.  | 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 27        |              |
|       |                                            |           |              |



DETAIL FOR INCIDENTAL MILLING (0" TO 2.0")

DETAIL FOR INCIDENTAL MILLING (0" TO 1.5")

PATCHING DETAIL



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

PAVEMENT SCHEDULE

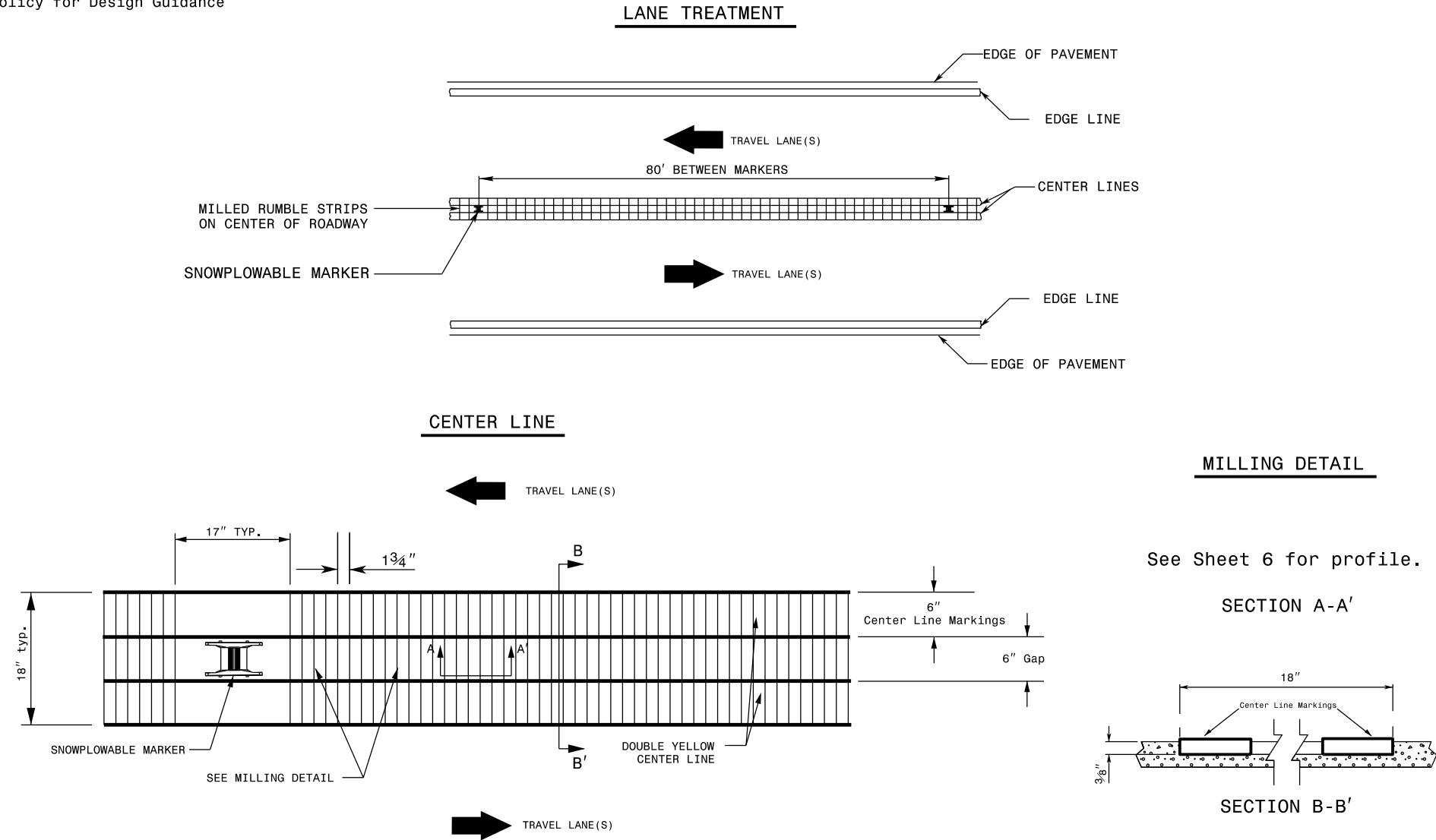
|      |                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------|
| (C1) | PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 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. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS PER SQ. YD.  |
| (M)  | SINUSOIDAL MILLLED RUMBLE STRIPS                                                                        |
| (T1) | SHOULDER RECONSTRUCTION                                                                                 |
| (U)  | EXISTING PAVEMENT                                                                                       |
| (V1) | MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.                                                               |
| (V2) | MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.                                                               |

2027  
UNION COUNTY RESURFACING

| SCALE | DATE | OWG. BY | DESIGN BY | APPROVED | REVISIONS |
|-------|------|---------|-----------|----------|-----------|
| -NA-  | 1/20 | AMO     | AMO       | CLA      |           |
|       |      |         |           |          |           |
|       |      |         |           |          |           |
|       |      |         |           |          |           |



See Table 2 within Rumble Strip  
Policy for Design Guidance



REFERENCE DRAWING ID: Sin.CL with Snowplowable Markers

- NOTES:**
- 1) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
  - 2) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.
  - 3) INSTALL SNOWPLOWABLE MARKERS AT APPROXIMATELY 80' INCREMENTS. DO NOT MILL RUMBLE STRIPS IN SECTION WHERE SNOWPLOWABLE MARKERS ARE INSTALLED.

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

ROADWAY DETAIL DRAWING FOR  
**RUMBLE STRIPS / STRIPES**  
SINUSOIDAL CENTERLINE RUMBLE STRIPE WITH SNOWPLOWABLE MARKERS

SHEET 8 OF 9

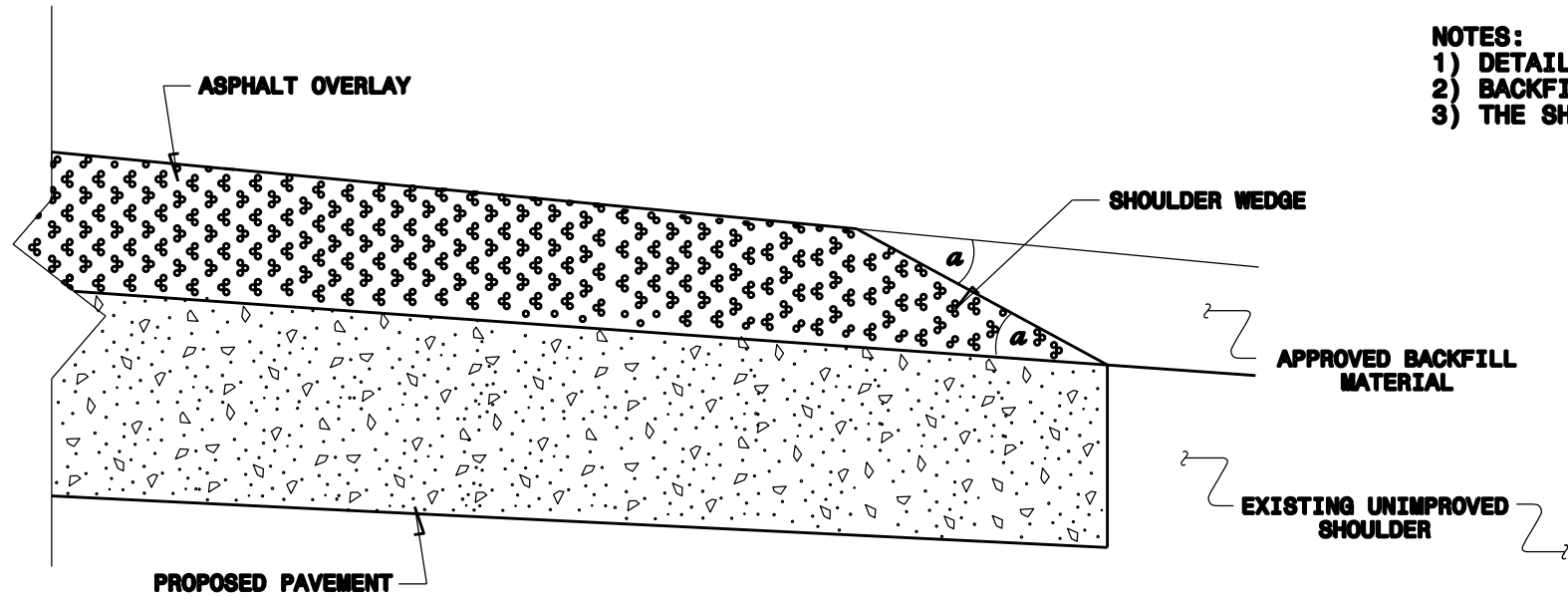
Signed by:



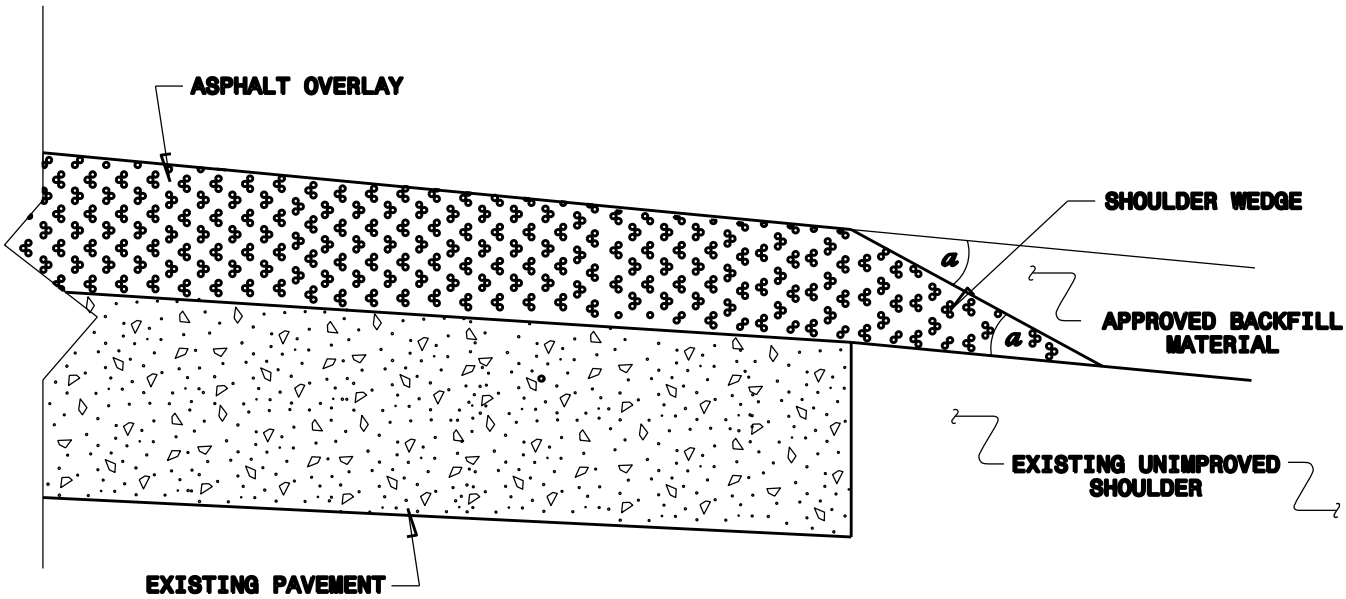
DocuSigned by:  
*Quinlan McCracken*  
99D18F1472254E9... 09/01/2026

|                                                     |                         |
|-----------------------------------------------------|-------------------------|
| <b>CONTRACTS STANDARDS<br/>AND DEVELOPMENT UNIT</b> |                         |
| Office 919-707-8950 FAX 919-250-4119                |                         |
| 2027 Union County<br>Resurfacing                    |                         |
| ORIGINAL BY: <u>C. SIMPSON</u>                      | DATE: <u>04-24-2025</u> |
| MODIFIED BY: _____                                  | DATE: _____             |
| CHECKED BY: _____                                   | DATE: _____             |
| FILE SPEC.: _____                                   |                         |

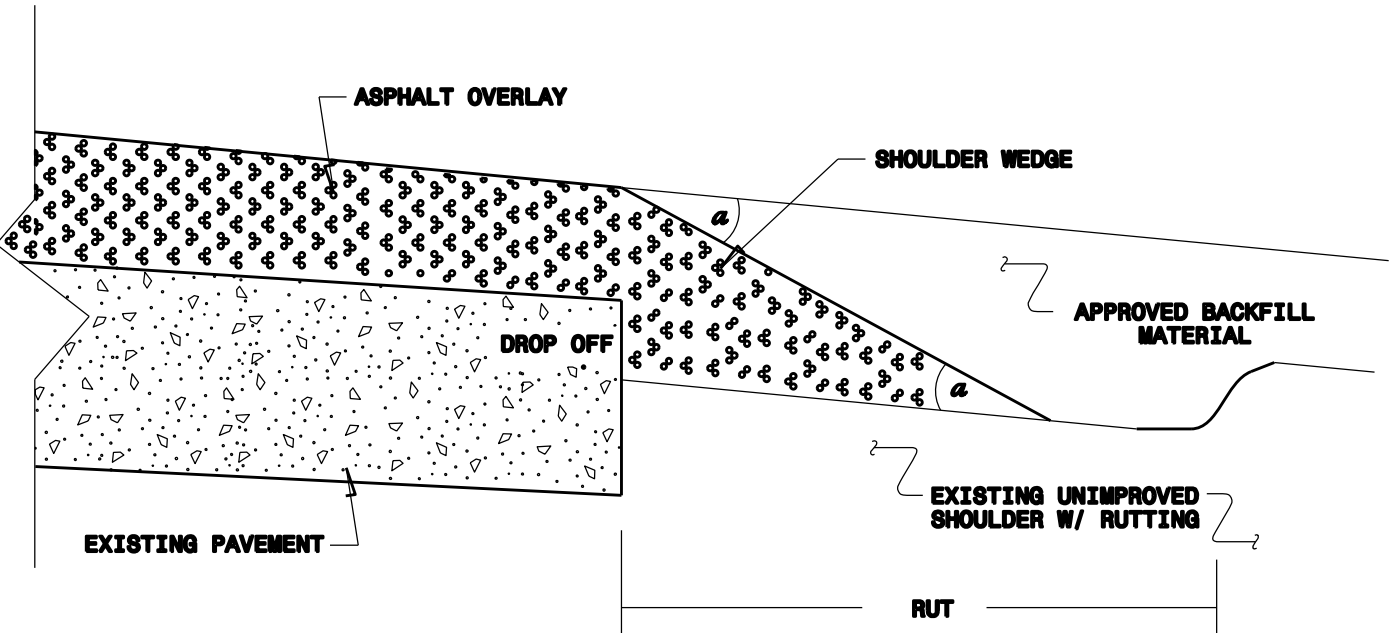
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFD AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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



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

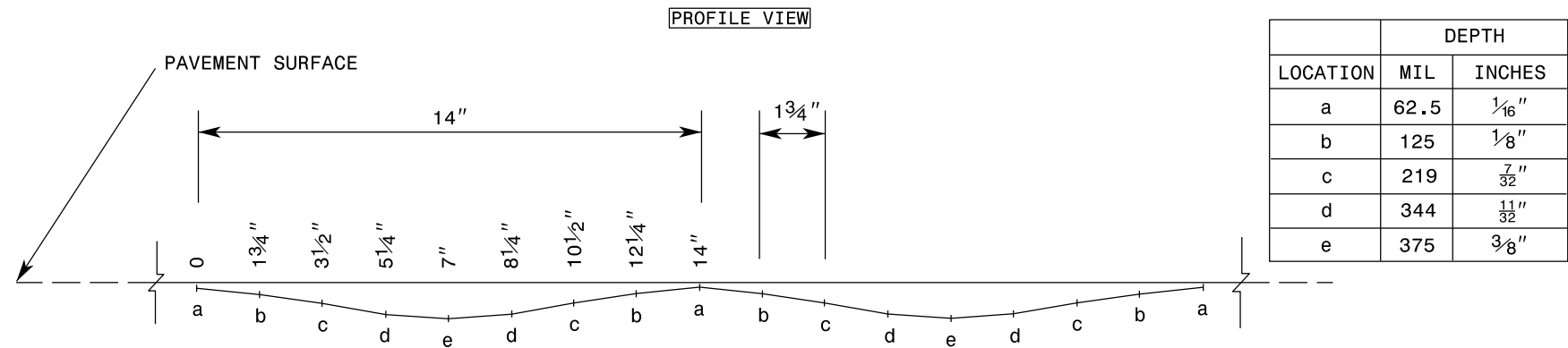
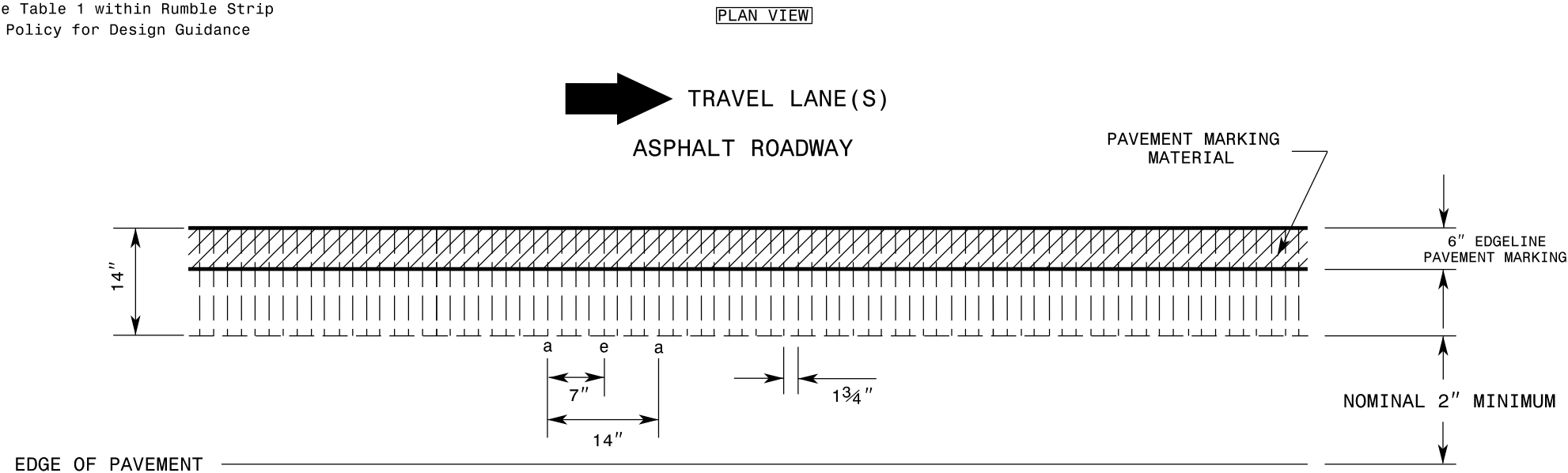


**SHOULDER WEDGE DETAIL**  
(Resurfacing Adjacent to  
Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

|                                                    |                                                     |                         |                 |
|----------------------------------------------------|-----------------------------------------------------|-------------------------|-----------------|
| <b>CONTRACT STANDARDS<br/>AND DEVELOPMENT UNIT</b> |                                                     |                         |                 |
| <b>Office 919-707-8850</b>                         |                                                     | <b>FAX 919-250-4119</b> |                 |
| <b>SHOULDER WEDGE<br/>DETAILS</b>                  |                                                     |                         |                 |
| <b>ORIGINAL BY:</b>                                | <b>T.SPILL</b>                                      | <b>DATE:</b>            | <b>7-18-11</b>  |
| <b>MODIFIED BY:</b>                                |                                                     | <b>DATE:</b>            | <b>10/18/12</b> |
| <b>CHECKED BY:</b>                                 |                                                     | <b>DATE:</b>            |                 |
| <b>FILE SPEC.:</b>                                 | <b>e:\user\details\stand\shoulderwedge\std1.dgn</b> |                         |                 |

See Table 1 within Rumble Strip  
Policy for Design Guidance



REFERENCE DRAWING ID: Sin.Stripe

NOTES:

- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23; *Sinusoidal Rumble Strip Design Optimization Study By: Terhaar et. al, June 2016*
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.

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

ROADWAY DETAIL DRAWING FOR  
**RUMBLE STRIPS / STRIPES**  
SINUSOIDAL EDGELINE RUMBLE STRIPE

SHEET 4 OF 9

Signed by:



DocuSigned by:

Quinlan McCracken

99D18F1472254E9...

09/01/2026

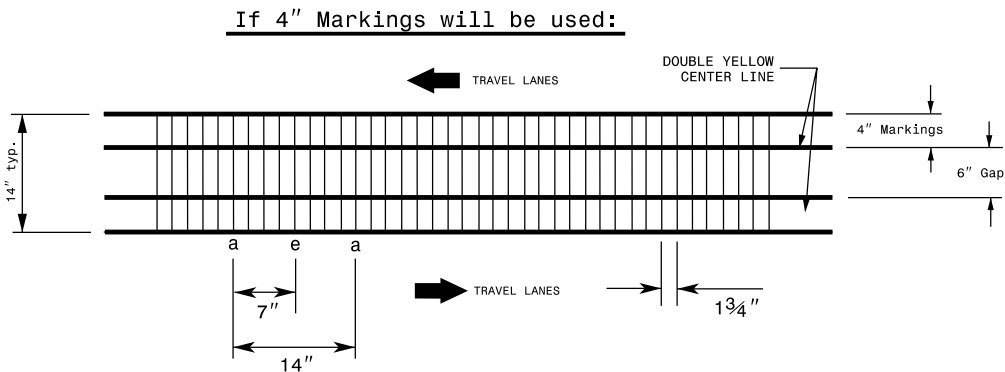
CONTRACTS STANDARDS  
AND DEVELOPMENT UNIT  
Office 919-707-8950 FAX 919-250-4119

2027 Union County  
Resurfacing

ORIGINAL BY: C. SIMPSON DATE: 04-24-2025  
MODIFIED BY: DATE:  
CHECKED BY: DATE:  
FILE SPEC.:

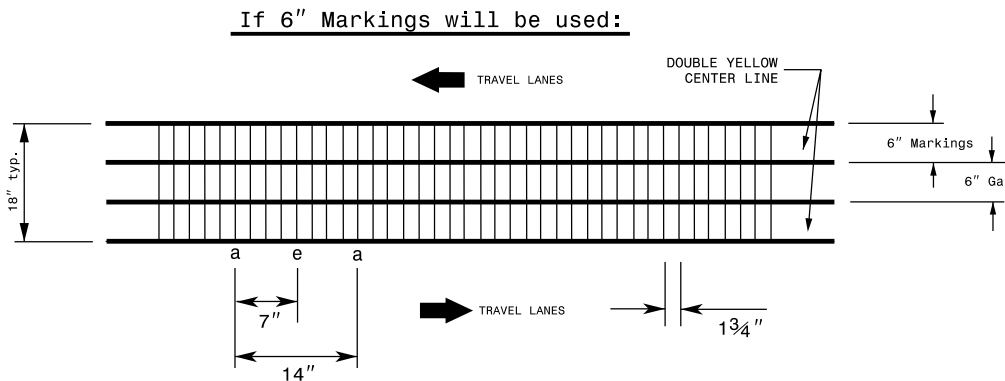
See Table 2 within Rumble Strip  
Policy for Design Guidance

Rumble Dimensions



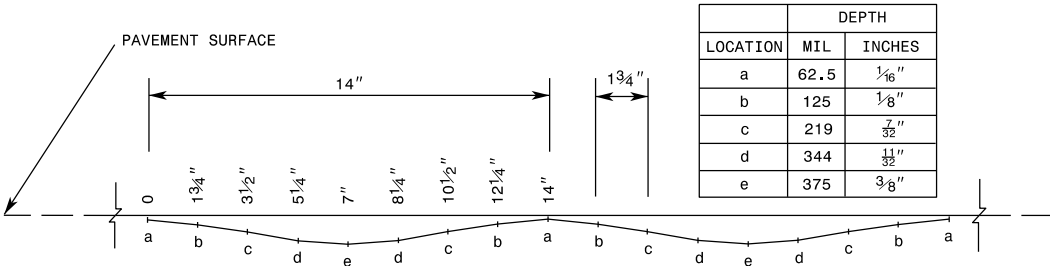
Markings Dimensions

Rumble Dimensions



Markings Dimensions

PROFILE:



REFERENCE DRAWING ID: Sin.CL

NOTES:

- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23: *Sinusoidal Rumble Strip Design Optimization Study By: Terhaar et. al, June 2016*
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.

SHEET 6 OF 9

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

ROADWAY DETAIL DRAWING FOR  
**RUMBLE STRIPS / STRIPES**  
SINUSOIDAL CENTERLINE RUMBLE STRIPE

Signed by:



DocuSigned by:

Quinlan McCracken

99D18F1472254E9... 09/01/2026

CONTRACTS STANDARDS  
AND DEVELOPMENT UNIT

Office 919-707-8950 FAX 919-250-4119

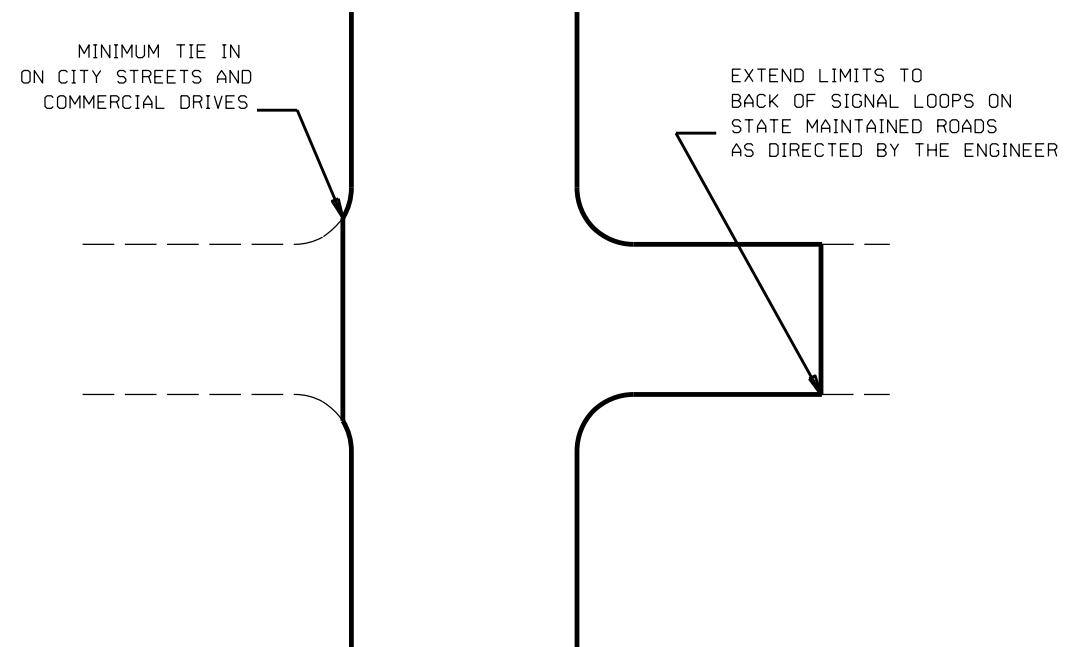
2027 Union County  
Resurfacing

ORIGINAL BY: C. SIMPSON DATE: 04-24-2025

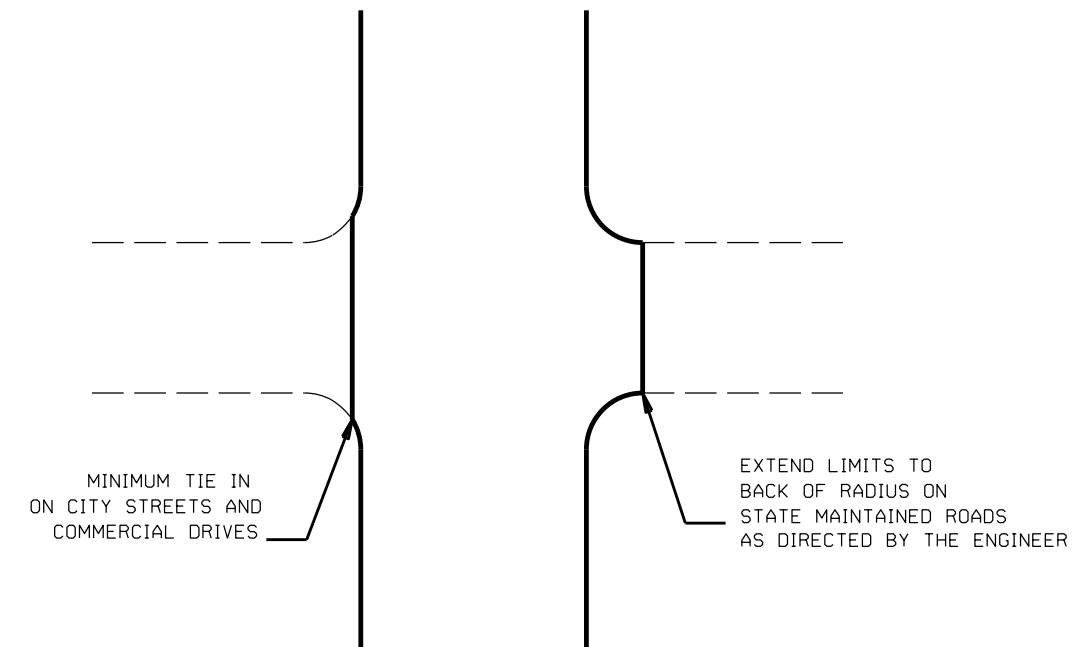
MODIFIED BY: DATE:

CHECKED BY: DATE:

FILE SPEC.:



TYPICAL DETAIL OF PROJECT LIMITS AT  
SIGNALIZED Y LINES



TYPICAL DETAIL OF PROJECT LIMITS AT  
UNSIGNALIZED Y LINES

[illegible]

| PROJECT NO.                                | SHEET NO. | TOTAL NO. |
|--------------------------------------------|-----------|-----------|
| 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 33        |           |

SUMMARY OF QUANTITIES

| PROJECT NO                             | COUNTY | MAP NO | ROUTE                                                          | DESCRIPTION                                                                                                        | TYP NO    | LANES | LANE TYPE | LENGTH                | WIDTH                   | BEGIN MP                  | END MP     | 1220000000-E   | 1245000000-E       | 1260000000-E          | 1297000000-E          | 1330000000-E                 | 1519000000-E               | 1523000000-E                                   | 1575000000-E                                 | 1704000000-E | 1881000000-E                          |                  | 2612000000-E      | 2612300000-N   | 2830000000-N | 5255000000-N | 7444000000-E |     |
|----------------------------------------|--------|--------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------|-------|-----------|-----------------------|-------------------------|---------------------------|------------|----------------|--------------------|-----------------------|-----------------------|------------------------------|----------------------------|------------------------------------------------|----------------------------------------------|--------------|---------------------------------------|------------------|-------------------|----------------|--------------|--------------|--------------|-----|
|                                        |        |        |                                                                |                                                                                                                    |           |       |           | INCIDENTAL STONE BASE | SHOULDER RECONSTRUCTION | AGGREGATE SHOULDER BORROW | 2" MILLING | 1 1/2" MILLING | INCIDENTAL MILLING | SURFACE COURSE, S9.5B | SURFACE COURSE, S9.5C | ASPHALT BINDER FOR PLANT MIX | PATCHING EXISTING PAVEMENT | 18" CENTERLINE SINUSOIDAL MILLED RUMBLE STRIPS | 14" EDGELINE SINUSOIDAL MILLED RUMBLE STRIPS | 6" DRIVEWAYS | RETROFIT EXISTING CONCRETE CURB RAMPS | ADJ. OF MANHOLES | PORTABLE LIGHTING | INDUCTIVE LOOP |              |              |              |     |
|                                        |        |        |                                                                |                                                                                                                    |           |       |           | MI                    | FT                      |                           |            | TONS           | SMI                | TON                   | SY                    | SY                           | SY                         | TONS                                           | TONS                                         | TONS         | TONS                                  | LF               | LF                | SY             | EA           | EA           | LS           | LF  |
| 2027CPT.10.03.10901                    | Union  | 1      | US-74 EAST<br>ROUTE ID 20000074090                             | FROM PVMT JOINT EAST OF SR 1377 WESLEY CHAPEL STOUTS RD TO SR 1379 HAYES RD PROJECT (DJ00577)<br>MP 4.1 TO MP 4.78 | 1,2,3,5,6 | 2     | MD        | 0.68                  | 30                      | 4.1                       | 4.78       |                | 1.36               | 251                   | 12,588                |                              | 3,797                      |                                                | 2,012                                        | 141          | 460                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 1                    |        |        |                                                                |                                                                                                                    |           |       |           | 0.68                  |                         |                           |            |                | 1.36               | 251                   | 12,588                |                              | 3,797                      |                                                | 2,012                                        | 141          | 460                                   |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.10901                    | Union  | 2      | US-74 EAST<br>ROUTE ID 20000074090                             | FROM SR 1379 HAYES RD PROJECT (DJ00577) TO SR 1007 ROCKY RIVER RD<br>MP 5.0 TO MP 6.3                              | 1,4,5     | 2     | MD        | 1.3                   | 30                      | 5                         | 6.3        | 25             | 2.60               | 481                   | 22,808                |                              | 1,633                      |                                                | 3,031                                        | 221          | 878                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 2                    |        |        |                                                                |                                                                                                                    |           |       |           | 1.3                   |                         |                           |            | 25             | 2.60               | 481                   | 22,808                |                              | 1,633                      |                                                | 3,031                                        | 221          | 878                                   |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.10901                    | Union  | 3      | NC-84<br>ROUTE ID 30000084090                                  | FROM RAB SR 1349 AIRPORT RD TO SR 1334 WILLOUGHBY RD<br>MP 6.96 TO MP 8.90                                         | 7         | 2     | 2WU       | 1.94                  | 25                      | 6.96                      | 8.9        | 115            | 3.88               | 538                   |                       |                              | 1,838                      | 2,891                                          |                                              | 258          | 1,455                                 | 12,097           | 20,486            | 72             |              |              |              |     |
| TOTAL FOR MAP NO. 3                    |        |        |                                                                |                                                                                                                    |           |       |           | 1.94                  |                         |                           |            | 115            | 3.88               | 538                   |                       |                              | 1,838                      | 2,891                                          |                                              | 258          | 1,455                                 | 12,097           | 20,486            | 72             |              |              |              |     |
| 2027CPT.10.03.10901                    | Union  | 4      | US-74 EAST<br>ROUTE ID 20000075090                             | FROM SR 1763 BIVENS RD TO SR 1776 EDGEWOOD SR<br>MP 15.05 TO MP 16.20                                              | 1,2,5     | 2     | MD        | 1.15                  | 32                      | 15.05                     | 16.2       |                | 2.30               | 213                   | 21,589                |                              | 4,075                      |                                                | 3,222                                        | 190          | 776                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 4                    |        |        |                                                                |                                                                                                                    |           |       |           | 1.15                  |                         |                           |            |                | 2.30               | 213                   | 21,589                |                              | 4,075                      |                                                | 3,222                                        | 190          | 776                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR PROJ NO. 2027CPT.10.03.10901 |        |        |                                                                |                                                                                                                    |           |       |           | 5.07                  |                         |                           |            | 140            | 10.14              | 1,483                 | 56,985                |                              | 11,343                     | 2,891                                          | 8,265                                        | 810          | 3,569                                 | 12,097           | 20,486            | 72             |              |              | 1.00         | 150 |
| 2027CPT.10.03.20901                    | Union  | 5      | SR-1002 / ANSONVILLE RD<br>ROUTE ID 40001002090                | FROM NC 205 TO SR 1726 OLD GOLDMINE RD<br>MP 4.86 TO MP 7.12                                                       | 8         | 2     | 2WU       | 2.26                  | 18                      | 4.86                      | 7.12       | 215            | 4.52               | 627                   |                       |                              | 843                        |                                                | 2,205                                        | 203          | 1,526                                 |                  |                   | 90             |              |              |              |     |
| TOTAL FOR MAP NO. 5                    |        |        |                                                                |                                                                                                                    |           |       |           | 2.26                  |                         |                           |            | 215            | 4.52               | 627                   |                       |                              | 843                        |                                                | 2,205                                        | 203          | 1,526                                 |                  |                   | 90             |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 6      | SR-1002 / ANSONVILLE RD<br>ROUTE ID 40001002090                | FROM SR 1726 OLD GOLDMINE RD TO SR 1719 MARSHVILLE/OLIVE BRANCH RD<br>MP 7.12 TO MP 8.76                           | 8         | 2     | 2WU       | 1.64                  | 18                      | 7.12                      | 8.76       | 50             | 3.28               | 455                   |                       |                              | 683                        |                                                | 1,600                                        | 148          | 1,107                                 |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 6                    |        |        |                                                                |                                                                                                                    |           |       |           | 1.64                  |                         |                           |            | 50             | 3.28               | 455                   |                       |                              | 683                        |                                                | 1,600                                        | 148          | 1,107                                 |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 7      | SR-1002 / ANSONVILLE RD<br>ROUTE ID 40001002090                | FROM SR 1720 LANESBORO RD TO ANSON COUNTY LINE<br>MP 9.79 TO MP 10.66                                              | 8         | 2     | 2WU       | 0.87                  | 18                      | 9.79                      | 10.66      | 50             | 1.74               | 241                   |                       |                              | 629                        |                                                | 1,045                                        | 90           | 587                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 7                    |        |        |                                                                |                                                                                                                    |           |       |           | 0.87                  |                         |                           |            | 50             | 1.74               | 241                   |                       |                              | 629                        |                                                | 1,045                                        | 90           | 587                                   |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 8      | SR-1001 / LOVE MILL RD<br>ROUTE ID 40001001090                 | FROM RAB SR 1637 E LAWYERS RD TO SR 1638 HAIGLER BAUCOM RD<br>MP 4.22 TO MP 5.24                                   | 9         | 2     | 2WU       | 1.02                  | 22                      | 4.22                      | 5.24       | 105            | 2.04               | 283                   |                       |                              | 787                        | 1,283                                          |                                              | 117          | 695                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 8                    |        |        |                                                                |                                                                                                                    |           |       |           | 1.02                  |                         |                           |            | 105            | 2.04               | 283                   |                       |                              | 787                        | 1,283                                          |                                              | 117          | 695                                   |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 9      | SR-1902 / DOCTOR BLAIR RD<br>ROUTE ID 40001902090              | FROM SR 1901 HASTY RD TO SR 1903 GILBOA RD<br>MP 0.63 TO MP 3.20                                                   | 9,10      | 2     | 2WD       | 2.57                  | 20                      | 0.63                      | 3.2        | 130            | 5.14               | 712                   |                       |                              | 710                        | 2,737                                          |                                              | 261          | 1,734                                 |                  |                   | 270            |              |              |              |     |
| TOTAL FOR MAP NO. 9                    |        |        |                                                                |                                                                                                                    |           |       |           | 2.57                  |                         |                           |            | 130            | 5.14               | 712                   |                       |                              | 710                        | 2,737                                          |                                              | 261          | 1,734                                 |                  |                   | 270            |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 10     | SR-1957 / OLD MONROE MARSHVILLE RD<br>ROUTE ID 40001957090     | FROM SR 1903 GILBOA RD TO SR 1934 CAMDEN RD<br>MP 3.22 TO MP 3.21                                                  | 9         | 2     | 2WU       | 0.98                  | 20                      | 2.23                      | 3.21       |                | 1.96               | 272                   |                       |                              | 333                        | 1,044                                          |                                              | 100          | 662                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 10                   |        |        |                                                                |                                                                                                                    |           |       |           | 0.98                  |                         |                           |            |                | 1.96               | 272                   |                       |                              | 333                        | 1,044                                          |                                              | 100          | 662                                   |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 11     | SR-1008 / WAXHAW INDIAN TRAIL RD<br>ROUTE ID 40001008090       | FROM SR 2019 GOLDEN POND RD TO GLENN VALLEY LN NCDOT PROJECT U4714AB LIMITS<br>MP 9.68 TO MP 11.03                 | 13,14,15  | 2     | 2WD       | 1.35                  | 22                      | 9.68                      | 11.03      |                | 2.70               | 369                   |                       | 18,693                       | 1,076                      | 1,856                                          |                                              | 164          | 911                                   |                  |                   |                | 3            |              |              |     |
| TOTAL FOR MAP NO. 11                   |        |        |                                                                |                                                                                                                    |           |       |           | 1.35                  |                         |                           |            |                | 2.70               | 369                   |                       | 18,693                       | 1,076                      | 1,856                                          |                                              | 164          | 911                                   |                  |                   |                | 3            |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 12     | SR-3447 / JOHNS FOREST LN<br>ROUTE ID 40003447090              | FROM NC 84 TO SR 3865 MANCHINEEL LN<br>MP 0.00 TO MP 0.61                                                          | 16        | 2     | 2WU       | 0.61                  | 24                      | 0                         | 0.61       |                |                    |                       |                       | 8,270                        | 893                        | 931                                            |                                              | 74           | 275                                   |                  |                   |                | 8            |              |              |     |
| TOTAL FOR MAP NO. 12                   |        |        |                                                                |                                                                                                                    |           |       |           | 0.61                  |                         |                           |            |                |                    |                       |                       | 8,270                        | 893                        | 931                                            |                                              | 74           | 275                                   |                  |                   |                | 8            |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 13     | SR-3447 OO JOHNS FOREST TRAFFIC CIRCLE<br>ROUTE ID 40403447090 | FROM RAB TO RAB<br>MP 0.44 TO MP 0.48                                                                              | 16        | 2     |           | 0.04                  | 20                      | 0.44                      | 0.48       |                |                    |                       |                       | 460                          | 254                        | 82                                             |                                              | 6            | 18                                    |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 13                   |        |        |                                                                |                                                                                                                    |           |       |           | 0.04                  |                         |                           |            |                |                    |                       |                       | 460                          | 254                        | 82                                             |                                              | 6            | 18                                    |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 14     | SR-3325 / AVOCET LN<br>ROUTE ID 400033265090                   | FROM SR 1349 AIRPORT RD TO SR 3326 DEXTER PL<br>MP 0.00 TO MP 0.04                                                 | 16        | 2     | 2WU       | 0.04                  | 24                      | 0                         | 0.04       |                |                    |                       |                       | 563                          |                            | 51                                             |                                              | 4            | 20                                    |                  |                   |                | 1            |              |              |     |
| TOTAL FOR MAP NO. 14                   |        |        |                                                                |                                                                                                                    |           |       |           | 0.04                  |                         |                           |            |                |                    |                       |                       | 563                          |                            | 51                                             |                                              | 4            | 20                                    |                  |                   |                | 1            |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 15     | SR-3326 / DEXTER PL<br>ROUTE ID 40003326090                    | FROM EOM TO EOM (CUL DA SAC TO CUL DA SAC)<br>MP 0.00 TO MP 0.23                                                   | 16        | 2     | 2WU       | 0.23                  | 18                      | 0                         | 0.23       |                |                    |                       |                       | 2,850                        |                            | 278                                            |                                              | 26           | 155                                   |                  |                   |                | 1            | 4            |              |     |
| TOTAL FOR MAP NO. 15                   |        |        |                                                                |                                                                                                                    |           |       |           | 0.23                  |                         |                           |            |                |                    |                       |                       | 2,850                        |                            | 278                                            |                                              | 26           | 155                                   |                  |                   |                | 1            | 4            |              |     |
| 2027CPT.10.03.20901                    | Union  | 16     | SR-2550 / EUBANKS ST<br>ROUTE ID 40002550090                   | FROM SR 1327 POTTER RD S TO EOM<br>MP 0.00 TO MP .19                                                               | 11        | 2     | 2WU       | 0.19                  | 22                      | 0                         | 0.19       | 50             | 0.38               | 50                    | 2,452                 |                              |                            |                                                | 302                                          | 26           | 128                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 16                   |        |        |                                                                |                                                                                                                    |           |       |           | 0.19                  |                         |                           |            | 50             | 0.38               | 50                    | 2,452                 |                              |                            |                                                | 302                                          | 26           | 128                                   |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 17     | SR-2552 / PORTER DR<br>ROUTE ID 40002552090                    | FROM SR 1332 ROSCOE HOWLEY TO EOM<br>MP 0.00 TO MP 0.83                                                            | 9         | 2     | 2WU       | 0.83                  | 18                      | 0                         | 0.83       | 140            | 1.66               | 230                   |                       |                              |                            | 795                                            |                                              | 79           | 560                                   |                  |                   | 54             |              |              |              |     |
| TOTAL FOR MAP NO. 17                   |        |        |                                                                |                                                                                                                    |           |       |           | 0.83                  |                         |                           |            | 140            | 1.66               | 230                   |                       |                              |                            | 795                                            |                                              | 79           | 560                                   |                  |                   | 54             |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 18     | SR-1306 / GRAY BYRUM RD<br>ROUTE ID 40001306090                | FROM NC 16 TO SR 1301 WAXHAW-MARVINE RD<br>MP 0.01 TO MP 1.05                                                      | 9,12      | 2     | 2WU       | 1.04                  | 33                      | 0.01                      | 1.05       |                | 1.72               | 238                   |                       | 3,491                        | 1,118                      | 1,514                                          |                                              | 128          | 624                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 18                   |        |        |                                                                |                                                                                                                    |           |       |           | 1.04                  |                         |                           |            |                | 1.72               | 238                   |                       | 3,491                        | 1,118                      | 1,514                                          |                                              | 128          | 624                                   |                  |                   |                |              |              |              |     |
| 2027CPT.10.03.20901                    | Union  | 19     | SR-2214 / BOYCE RD<br>ROUTE ID 40002214090                     | FROM SR 1134 LATHAN RD TO EOM<br>MP 0.00 TO MP 0.18                                                                | 9         | 2     | 2WU       | 0.18                  | 17                      | 0                         | 0.18       |                | 0.36               | 50                    |                       |                              | 142                        | 172                                            |                                              | 17           | 122                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR MAP NO. 19                   |        |        |                                                                |                                                                                                                    |           |       |           | 0.18                  |                         |                           |            |                | 0.36               | 50                    |                       |                              | 142                        | 172                                            |                                              | 17           | 122                                   |                  |                   |                |              |              |              |     |
| TOTAL FOR PROJ NO. 2027CPT.10.03.20901 |        |        |                                                                |                                                                                                                    |           |       |           | 13.85                 |                         |                           |            | 740            | 25.50              | 3,527                 | 2,452                 | 34,327                       | 7,468                      | 10,743                                         | 5,152                                        | 1,443        | 9,124                                 |                  |                   | 414            | 2            | 15           | 1.00         | 150 |
| GRAND TOTAL                            |        |        |                                                                |                                                                                                                    |           |       |           | 18.92                 |                         |                           |            | 880            | 35.64              | 5,010                 | 59,437                | 34,327                       | 18,811                     | 13,634                                         | 13,417                                       | 2,253        | 12,693                                | 12,097           | 20,486            | 486            | 2            | 15           | 1.00         | 150 |

| PROJECT NO.                                | SHEET NO. | TOTAL NO. |
|--------------------------------------------|-----------|-----------|
| 2027CPT.10.03.10901<br>2027CPT.10.03.20901 | 34        |           |

SUMMARY OF QUANTITIES

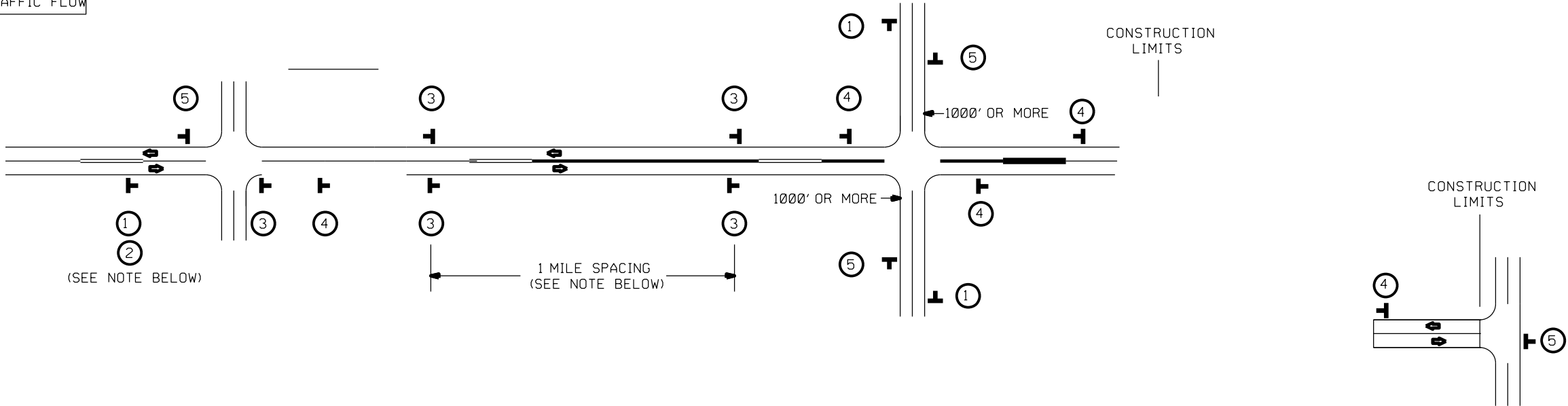
| PROJECT NO                             | COUNTY | MAP NO | ROUTE                                                          | DESCRIPTION                                                                                                        | TYP NO    | LANES | LANE TYPE | LENGTH | WIDTH | BEGIN MP | END MP | WORK ZONE ADVANCE/ GENERAL WARNING SIGNING | TEMPORARY TRAFFIC CONTROL | 4685000000-E |        | 4688000000-E            |                        | 4700000000-E           |                         | 4709000000-E            | 4720000000-E             |                        | 4725000000-E         |                       | 4810000000-E           |                      | 4895000000-N |                      |                |                 |
|----------------------------------------|--------|--------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------|-------|-----------|--------|-------|----------|--------|--------------------------------------------|---------------------------|--------------|--------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------------|------------------------|----------------------|-----------------------|------------------------|----------------------|--------------|----------------------|----------------|-----------------|
|                                        |        |        |                                                                |                                                                                                                    |           |       |           | MI     | FT    |          |        |                                            |                           |              |        | 4" X 90 M YELLOW THERMO | 4" X 90 M WHITE THERMO | 6" X 90 M WHITE THERMO | 6" X 90 M YELLOW THERMO | 12" X 90 M WHITE THERMO | 12" X 90 M YELLOW THERMO | 24" X 90M WHITE THERMO | THERMO MSG STOP 90 M | THERMO MSG AHEAD 90 M | THERMO MSG SCHOOL 90 M | THERMO RT ARROW 90 M |              | THERMO LT ARROW 90 M | 4" WHITE PAINT | 4" YELLOW PAINT |
| 2027CPT.10.03.10901                    | Union  | 1      | US-74 EAST<br>ROUTE ID 20000074090                             | FROM PVMT JOINT EAST OF SR 1377 WESLEY CHAPEL STOUTS RD TO SR 1379 HAYES RD PROJECT (DJ00577)<br>MP 4.1 TO MP 4.78 | 1,2,3,5,6 | 2     | MD        | 0.68   | 30    | 4.1      | 4.78   | 126                                        | *                         | LS           | LF     | LF                      | LF                     | LF                     | LF                      | LF                      | EA                       | EA                     | EA                   | EA                    | EA                     | LF                   | LF           | EA                   |                |                 |
| TOTAL FOR MAP NO. 1                    |        |        |                                                                |                                                                                                                    |           |       | 0.68      |        |       |          |        | 126                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       | 5                      | 9                    | 9,300        | 3,590                | 126            |                 |
| 2027CPT.10.03.10901                    | Union  | 2      | US-74 EAST<br>ROUTE ID 20000074090                             | FROM SR 1379 HAYES RD PROJECT (DJ00577) TO SR 1007 ROCKY RIVER RD<br>MP 5.0 TO MP 6.3                              | 1,4,5     | 2     | MD        | 1.3    | 30    | 5        | 6.3    | 126                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        | 8                    | 3,592        | 2,000                | 125            |                 |
| TOTAL FOR MAP NO. 2                    |        |        |                                                                |                                                                                                                    |           |       | 1.3       |        |       |          |        | 126                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        | 8                    | 3,592        | 2,000                | 125            |                 |
| 2027CPT.10.03.10901                    | Union  | 3      | NC-84<br>ROUTE ID 30000084090                                  | FROM RAB SR 1349 AIRPORT RD TO SR 1334 WILLOUGHBY RD<br>MP 6.96 TO MP 8.90                                         | 7         | 2     | 2WU       | 1.94   | 25    | 6.96     | 8.9    | 217                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      | 200            |                 |
| TOTAL FOR MAP NO. 3                    |        |        |                                                                |                                                                                                                    |           |       | 1.94      |        |       |          |        | 217                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      | 200            |                 |
| 2027CPT.10.03.10901                    | Union  | 4      | US-74 EAST<br>ROUTE ID 20000075090                             | FROM SR 1763 BIVENS RD TO SR 1776 EDGEWOOD SR<br>MP 15.05 TO MP 16.20                                              | 1,2,5     | 2     | MD        | 1.15   | 32    | 15.05    | 16.2   | 126                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        | 5                    | 9            | 2,000                | 2,500          | 137             |
| TOTAL FOR MAP NO. 4                    |        |        |                                                                |                                                                                                                    |           |       | 1.15      |        |       |          |        | 126                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        | 5                    | 9            | 2,000                | 2,500          | 137             |
| TOTAL FOR PROJ NO. 2027CPT.10.03.10901 |        |        |                                                                |                                                                                                                    |           |       | 5.07      |        |       |          |        | 595                                        | 1.00                      |              |        |                         | 45,695                 | 39,361                 | 656                     | 215                     | 478                      |                        |                      |                       | 10                     | 33                   | 14,892       | 8,090                | 588            |                 |
|                                        |        |        |                                                                |                                                                                                                    |           |       |           |        |       |          |        |                                            |                           |              | 85,056 |                         | 871                    |                        |                         |                         |                          |                        |                      | 43                    |                        | 22,982               |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 5      | SR-1002 / ANSONVILLE RD<br>ROUTE ID 40001002090                | FROM NC 205 TO SR 1726 OLD GOLDMINE RD<br>MP 4.86 TO MP 7.12                                                       | 8         | 2     | 2WU       | 2.26   | 18    | 4.86     | 7.12   | 253                                        | *                         |              |        |                         |                        |                        |                         |                         | 4                        | 5                      |                      |                       |                        | 47,732               | 41,427       |                      |                |                 |
| TOTAL FOR MAP NO. 5                    |        |        |                                                                |                                                                                                                    |           |       | 2.26      |        |       |          |        | 253                                        |                           |              |        |                         |                        |                        |                         |                         |                          | 4                      | 5                    |                       |                        |                      | 47,732       | 41,427               |                |                 |
| 2027CPT.10.03.20901                    | Union  | 6      | SR-1002 / ANSONVILLE RD<br>ROUTE ID 40001002090                | FROM SR 1726 OLD GOLDMINE RD TO SR 1719 MARSHVILLE/OLIVE BRANCH RD<br>MP 7.12 TO MP 8.76                           | 8         | 2     | 2WU       | 1.64   | 18    | 7.12     | 8.76   | 184                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      | 34,636       | 34,636               |                |                 |
| TOTAL FOR MAP NO. 6                    |        |        |                                                                |                                                                                                                    |           |       | 1.64      |        |       |          |        | 184                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      | 34,636       | 34,636               |                |                 |
| 2027CPT.10.03.20901                    | Union  | 7      | SR-1002 / ANSONVILLE RD<br>ROUTE ID 40001002090                | FROM SR 1720 LANESBORO RD TO ANSON COUNTY LINE<br>MP 9.79 TO MP 10.66                                              | 8         | 2     | 2WU       | 0.87   | 18    | 9.79     | 10.66  | 97                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      | 21,976       | 16,992               |                |                 |
| TOTAL FOR MAP NO. 7                    |        |        |                                                                |                                                                                                                    |           |       | 0.87      |        |       |          |        | 97                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      | 21,976       | 16,992               |                |                 |
| 2027CPT.10.03.20901                    | Union  | 8      | SR-1001 / LOVE MILL RD<br>ROUTE ID 40001001090                 | FROM RAB SR 1637 E LAWYERS RD TO SR 1638 HAIGLER BAUCOM RD<br>MP 4.22 TO MP 5.24                                   | 9         | 2     | 2WU       | 1.02   | 22    | 4.22     | 5.24   | 115                                        |                           |              |        |                         |                        |                        |                         |                         | 100                      |                        | 12                   |                       |                        | 22,520               | 20,338       |                      |                |                 |
| TOTAL FOR MAP NO. 8                    |        |        |                                                                |                                                                                                                    |           |       | 1.02      |        |       |          |        | 115                                        |                           |              |        |                         |                        |                        |                         |                         | 100                      |                        | 12                   |                       |                        | 22,520               | 20,338       |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 9      | SR-1902 / DOCTOR BLAIR RD<br>ROUTE ID 40001902090              | FROM SR 1901 HASTY RD TO SR 1903 GILBOA RD<br>MP 0.63 TO MP 3.20                                                   | 9,10      | 2     | 2WD       | 2.57   | 20    | 0.63     | 3.2    | 288                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      | 54,280       | 51,136               |                |                 |
| TOTAL FOR MAP NO. 9                    |        |        |                                                                |                                                                                                                    |           |       | 2.57      |        |       |          |        | 288                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      | 54,280       | 51,136               |                |                 |
| 2027CPT.10.03.20901                    | Union  | 10     | SR-1957 / OLD MONROE MARSHVILLE RD<br>ROUTE ID 40001957090     | FROM SR 1903 GILBOA RD TO SR 1934 CAMDEN RD<br>MP 3.22 TO MP 3.21                                                  | 9         | 2     | 2WU       | 0.98   | 20    | 2.23     | 3.21   | 110                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      | 20,700       | 20,700               |                |                 |
| TOTAL FOR MAP NO. 10                   |        |        |                                                                |                                                                                                                    |           |       | 0.98      |        |       |          |        | 110                                        |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      | 20,700       | 20,700               |                |                 |
| 2027CPT.10.03.20901                    | Union  | 11     | SR-1008 / WAXHAW INDIAN TRAIL RD<br>ROUTE ID 40001008090       | FROM SR 2019 GOLDEN POND RD TO GLENN VALLEY LN NCDOT PROJECT U47144B LIMITS<br>MP 9.68 TO MP 11.03                 | 13,14,15  | 2     | 2WD       | 1.35   | 22    | 9.68     | 11.03  | 81                                         |                           | 14,708       | 11,984 |                         |                        |                        |                         | 118                     |                          |                        |                      |                       | 7                      |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 11                   |        |        |                                                                |                                                                                                                    |           |       | 1.35      |        |       |          |        | 81                                         |                           | 14,708       | 11,984 |                         |                        |                        |                         | 118                     |                          |                        |                      |                       | 7                      |                      |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 12     | SR-3447 / JOHNS FOREST LN<br>ROUTE ID 40003447090              | FROM NC 84 TO SR 3865 MANCHINEEL LN<br>MP 0.00 TO MP 0.61                                                          | 16        | 2     | 2WU       | 0.61   | 24    | 0        | 0.61   | 68                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 12                   |        |        |                                                                |                                                                                                                    |           |       | 0.61      |        |       |          |        | 68                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 13     | SR-3447 OO JOHNS FOREST TRAFFIC CIRCLE<br>ROUTE ID 40403447090 | FROM RAB TO RAB<br>MP 0.44 TO MP 0.48                                                                              | 16        | 2     |           | 0.04   | 20    | 0.44     | 0.48   | 4                                          |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 13                   |        |        |                                                                |                                                                                                                    |           |       | 0.04      |        |       |          |        | 4                                          |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 14     | SR-3325 / AVOCET LN<br>ROUTE ID 40003325090                    | FROM SR 1349 AIRPORT RD TO SR 3326 DEXTER PL<br>MP 0.00 TO MP 0.04                                                 | 16        | 2     | 2WU       | 0.04   | 24    | 0        | 0.04   | 4                                          |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 14                   |        |        |                                                                |                                                                                                                    |           |       | 0.04      |        |       |          |        | 4                                          |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 15     | SR-3326 / DEXTER PL<br>ROUTE ID 40003326090                    | FROM EOM TO EOM (CUL DA SAC TO CUL DA SAC)<br>MP 0.00 TO MP 0.23                                                   | 16        | 2     | 2WU       | 0.23   | 18    | 0        | 0.23   | 26                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 15                   |        |        |                                                                |                                                                                                                    |           |       | 0.23      |        |       |          |        | 26                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 16     | SR-2550 / EUBANKS ST<br>ROUTE ID 40002550090                   | FROM SR 1327 POTTER RD S TO EOM<br>MP 0.00 TO MP .19                                                               | 11        | 2     | 2WU       | 0.19   | 22    | 0        | 0.19   | 21                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 16                   |        |        |                                                                |                                                                                                                    |           |       | 0.19      |        |       |          |        | 21                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 17     | SR-2552 / PORTER DR<br>ROUTE ID 40002552090                    | FROM SR 1332 ROSCOE HOWLEY TO EOM<br>MP 0.00 TO MP 0.83                                                            | 9         | 2     | 2WU       | 0.83   | 18    | 0        | 0.83   | 93                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 17                   |        |        |                                                                |                                                                                                                    |           |       | 0.83      |        |       |          |        | 93                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 18     | SR-1306 / GRAY BYRUM RD<br>ROUTE ID 40001306090                | FROM NC 16 TO SR 1301 WAXHAW-MARVINE RD<br>MP 0.01 TO MP 1.05                                                      | 9,12      | 2     | 2WU       | 1.04   | 33    | 0.01     | 1.05   | 116                                        |                           | 14,132       | 10,327 |                         |                        |                        |                         | 283                     | 60                       |                        |                      | 5                     | 18                     |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 18                   |        |        |                                                                |                                                                                                                    |           |       | 1.04      |        |       |          |        | 116                                        |                           | 14,132       | 10,327 |                         |                        |                        |                         | 283                     | 60                       |                        |                      | 5                     | 18                     |                      |              |                      |                |                 |
| 2027CPT.10.03.20901                    | Union  | 19     | SR-2214 / BOYCE RD<br>ROUTE ID 40002214090                     | FROM SR 1134 LATHAN RD TO EOM<br>MP 0.00 TO MP 0.18                                                                | 9         | 2     | 2WU       | 0.18   | 17    | 0        | 0.18   | 20                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| TOTAL FOR MAP NO. 19                   |        |        |                                                                |                                                                                                                    |           |       | 0.18      |        |       |          |        | 20                                         |                           |              |        |                         |                        |                        |                         |                         |                          |                        |                      |                       |                        |                      |              |                      |                |                 |
| TOTAL FOR PROJ NO. 2027CPT.10.03.20901 |        |        |                                                                |                                                                                                                    |           |       | 13.85     |        |       |          |        | 1,480                                      | 1.00                      | 28,840       | 22,311 |                         |                        |                        | 401                     | 160                     | 4                        | 5                      | 12                   | 5                     | 25                     | 201,844              | 185,229      |                      |                |                 |
|                                        |        |        |                                                                |                                                                                                                    |           |       |           |        |       |          |        |                                            |                           | 51,151       |        |                         |                        | 401                    |                         |                         | 21                       |                        | 30                   |                       | 387,073                |                      |              |                      |                |                 |
| GRAND TOTAL                            |        |        |                                                                |                                                                                                                    |           |       |           | 18.92  |       |          |        | 2,075                                      | 1.00                      | 28,840       | 22,311 | 45,695                  | 39,361                 | 656                    | 616                     | 638                     | 4                        | 5                      | 12                   | 15                    | 58                     | 216,736              | 193,319      | 588                  |                |                 |
|                                        |        |        |                                                                |                                                                                                                    |           |       |           |        |       |          |        |                                            |                           | 51,151       |        | 85,056                  |                        | 1,272                  |                         |                         | 21                       |                        | 73                   |                       | 410,055                |                      |              |                      |                |                 |

SIGNING FOR RESURFACING PROJECTS

LEGEND

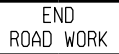
STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

|                                              |                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIGNING NOTES AND<br>PLACEMENT PER DIRECTION | <div>1</div> <div>2</div> <div><br/>NEXT W7-3aP<br/>XX MILES 24" X 18"</div> | PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.<br>ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                              | <div>3</div> <div><br/>SP 13107<br/>48" X 48"</div>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                              | <div>4</div> <div><br/>SP 13106<br/>48" X 48"</div>                         | <ul style="list-style-type: none"><li>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</li><li>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</li><li>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</li><li>- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH.</li><li>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</li><li>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</li></ul> |
|                                              | <div>5</div> <div><br/>G20-2 A<br/>48" X 24"</div>                          | PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

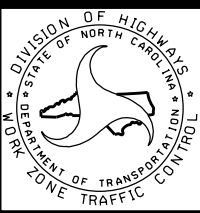
NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

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

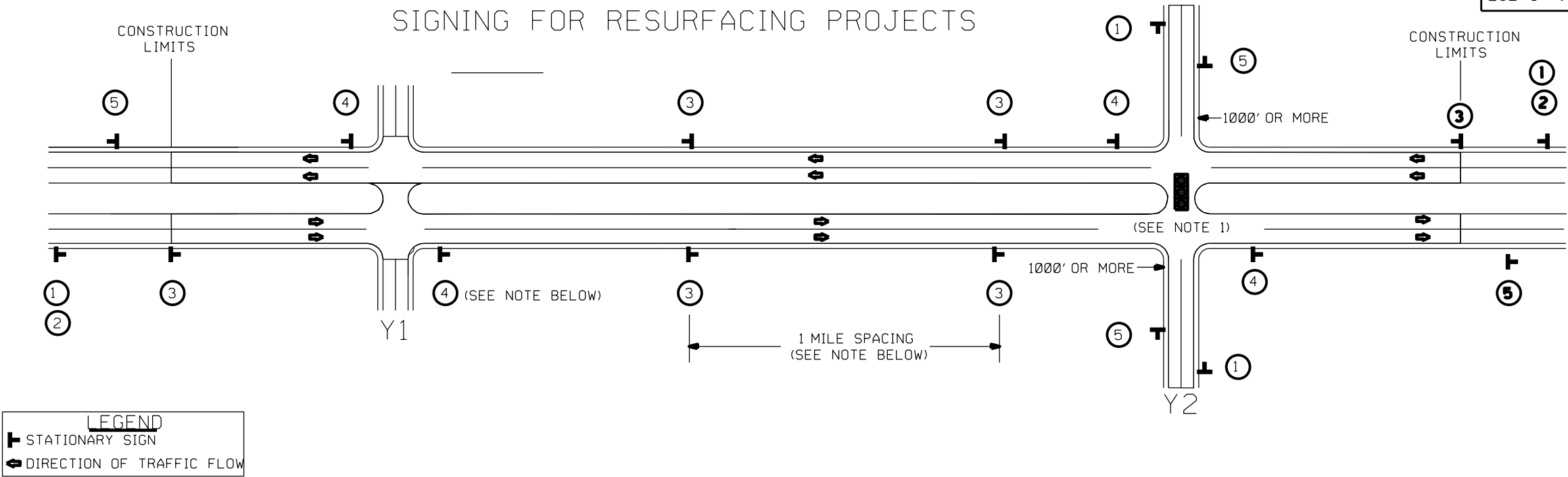


MAPS LESS  
THAN 2 MILES

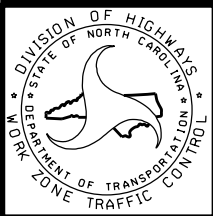
FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



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



| SIGNING NOTES AND<br>PLACEMENT PER DIRECTION | MAINLINE (-L-) SIGNING |  | -Y- LINE SIGNING                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|----------------------------------------------|------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                              | 1                      |  | PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.<br>ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.                                                                                                                                                                                                                                                                                                                          |  |
|                                              | 2                      |  | *2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH.<br>ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)                                                                                                                                                                                                                                                                                                                 |  |
|                                              | 3                      |  | PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART<br>THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE<br>CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.                                                                                                                                                                                                                                                            |  |
|                                              | 4                      |  | THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND<br>SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM<br>EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT<br>ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL<br>WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT<br>INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.               |  |
|                                              | 5                      |  | PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|                                              |                        |  | NO REQUIRED STATIONARY SIGNING FOR THE<br>FOLLOWING -Y- LINE CONDITIONS:<br>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE<br>2) SUBDIVISION ROADS<br>3) DEAD END ROADS<br><br>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED<br>-Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE<br>-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.<br><br>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER. |  |
|                                              |                        |  | NOTES:<br>1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED<br>INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE<br>"ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH<br>APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH<br>THE INTERSECTION.                                                                                                                                                                     |  |



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

