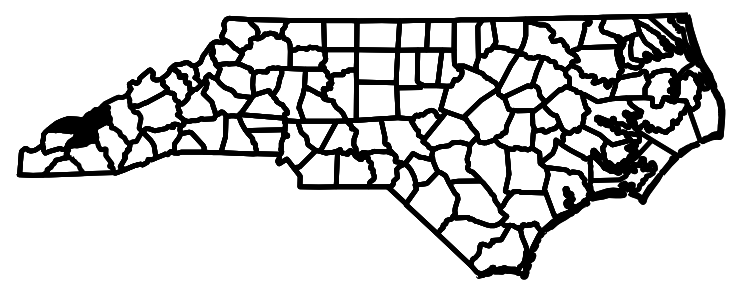
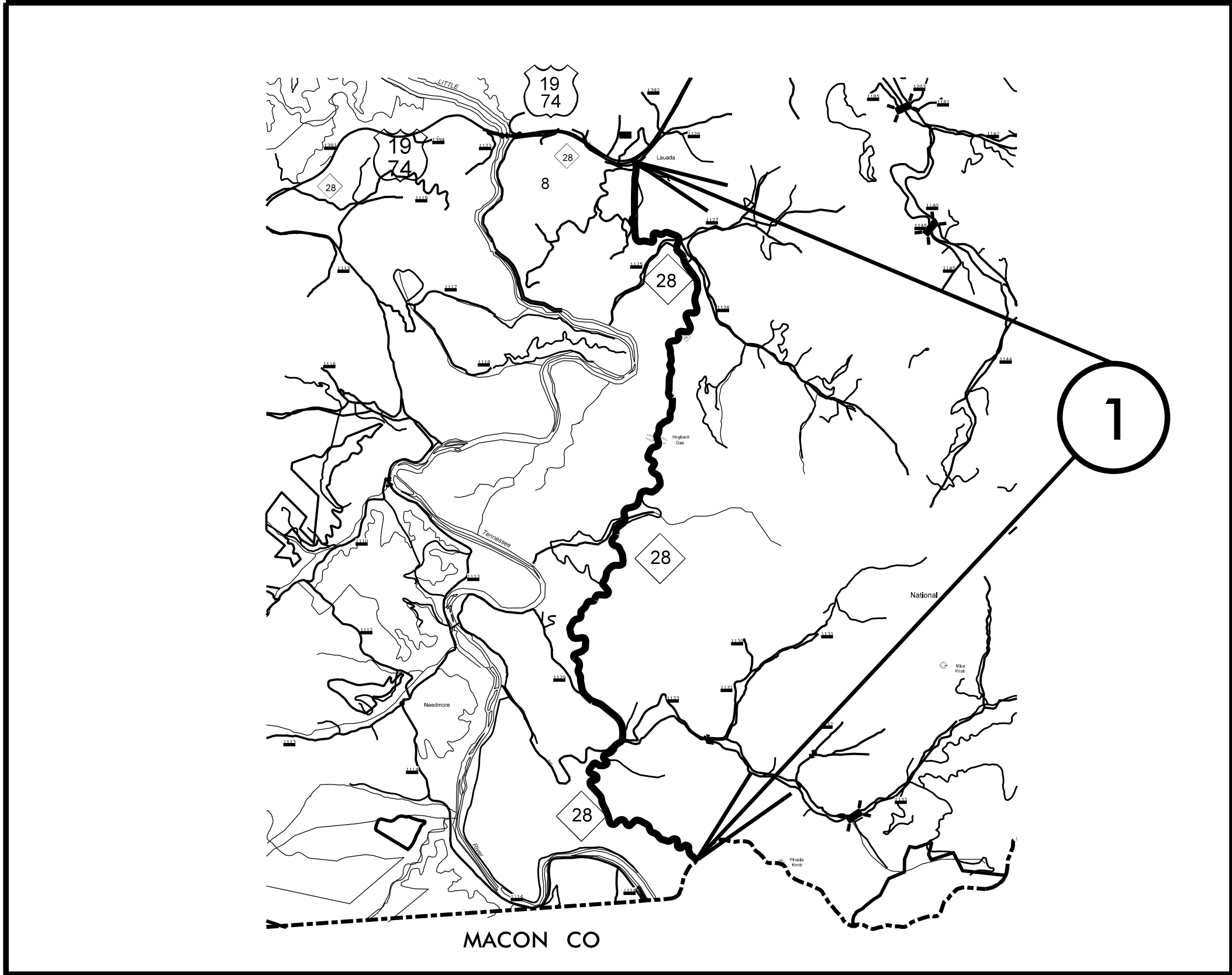


CONTRACT: N/A

TIP PROJECT: N/A

# SWAIN COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1.ETC |                  | 1           |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

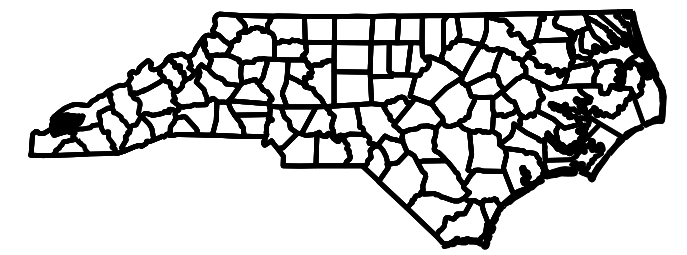
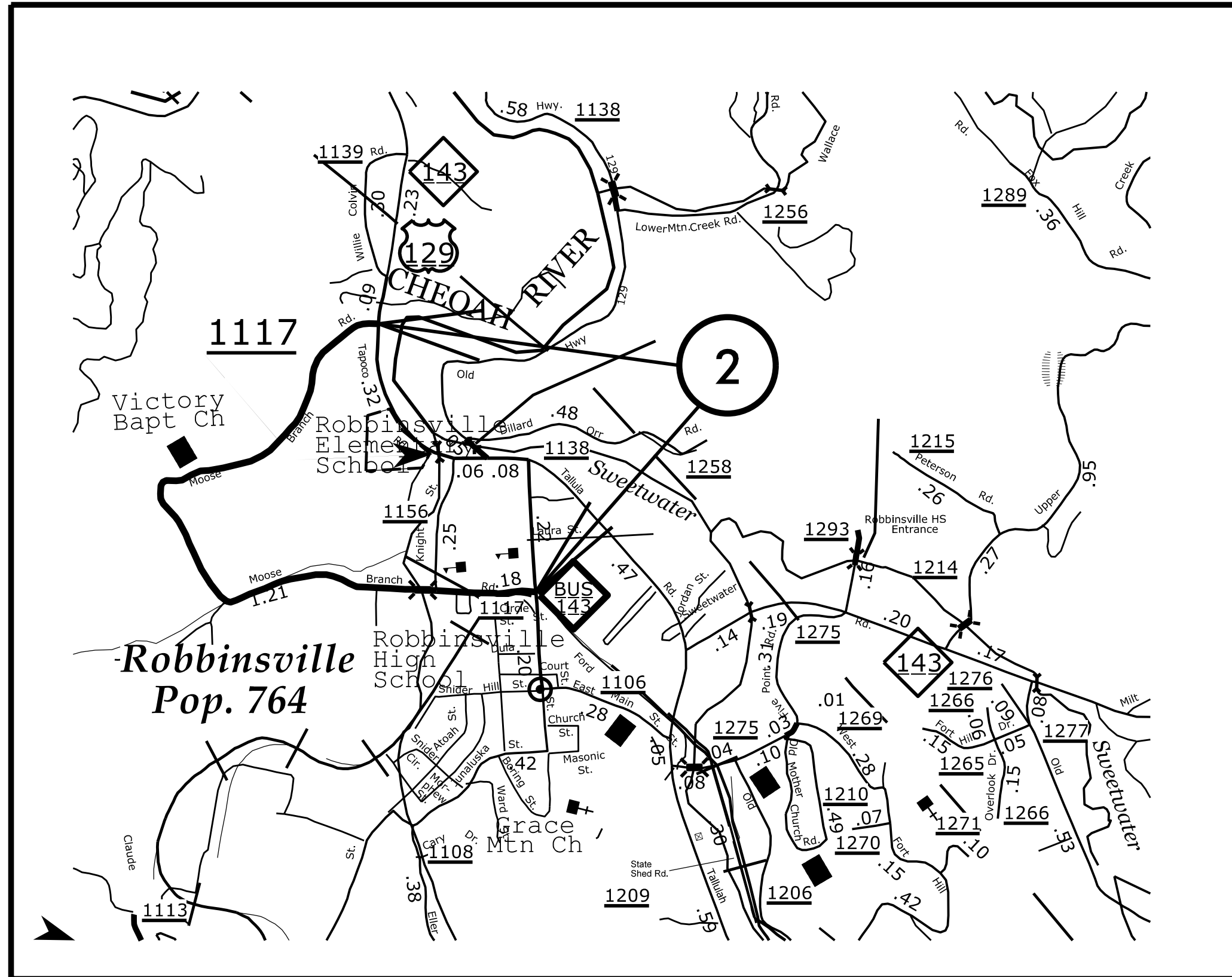


TIP PROJECT: N/A

CONTRACT:

# GRAHAM COUNTY

|                           |                              |
|---------------------------|------------------------------|
| PROJECT REFERENCE NO.     | SHEET NO.                    |
| 2017CPT.14.03.10221.1,ETC | 2                            |
| STATE PROJECT             | F.A. PROJECT NO. DESCRIPTION |
|                           |                              |
|                           |                              |

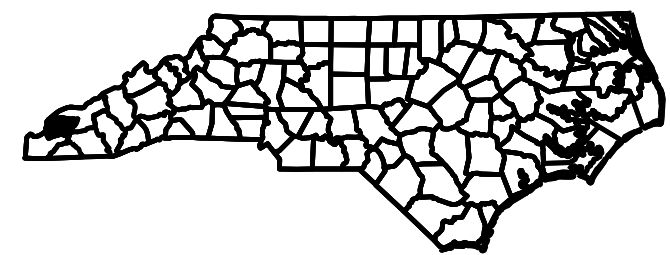
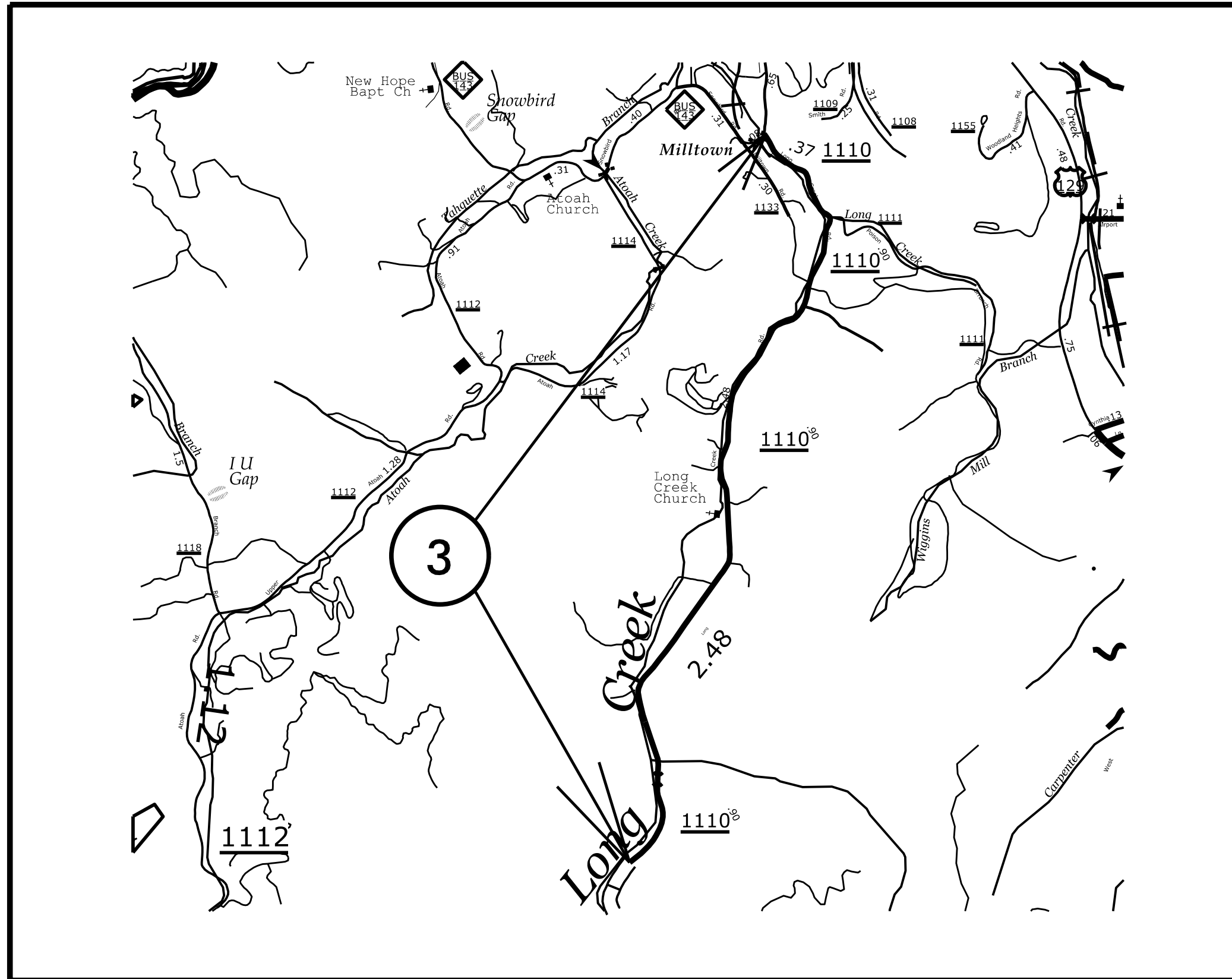


TIP PROJECT: NA

CONTRACT:

# GRAHAM COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 3           |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

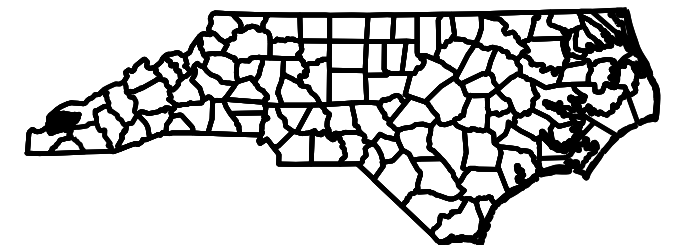
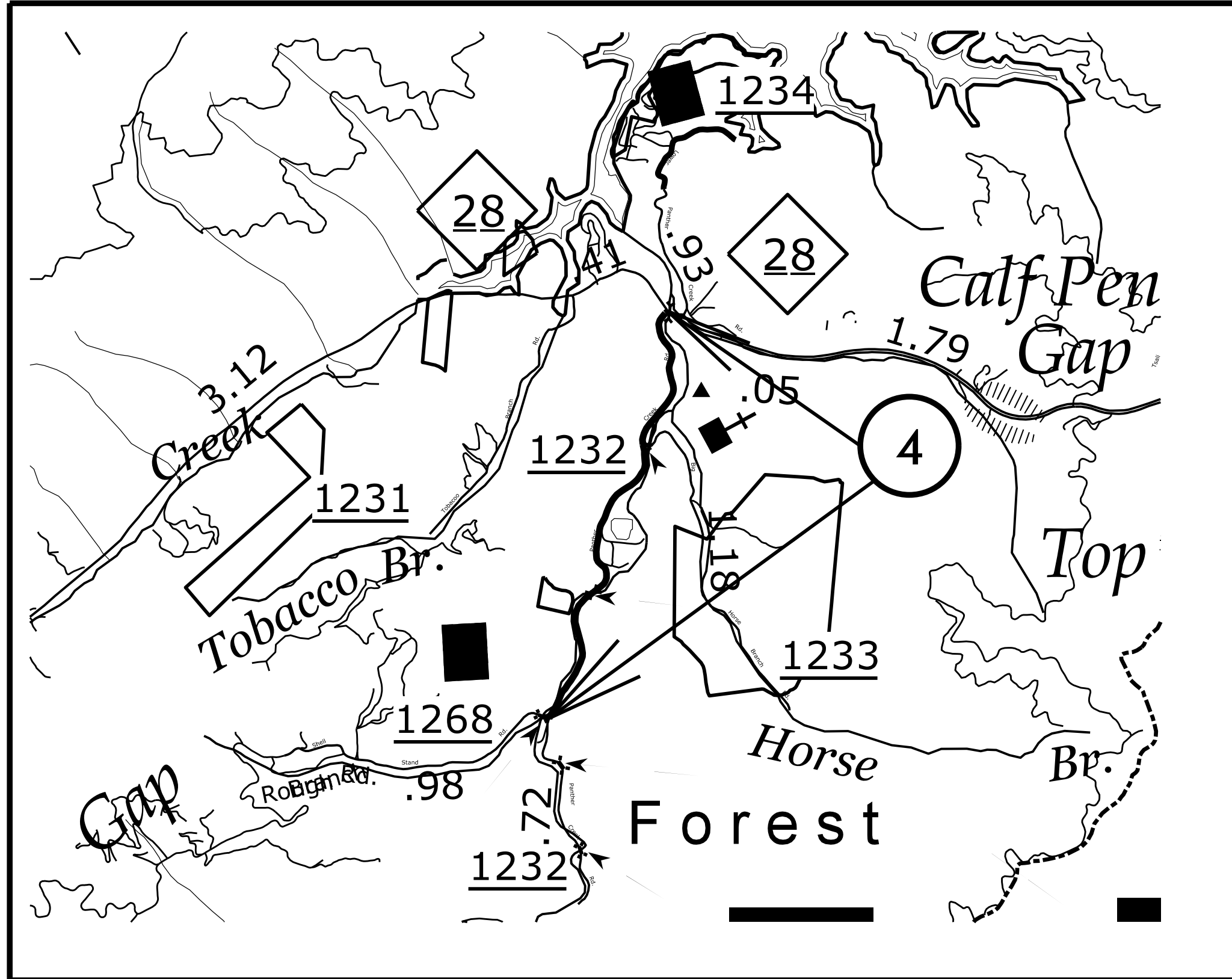


TIP PROJECT: N/A

CONTRACT:

# GRAHAM COUNTY

|                           |                  |             |  |
|---------------------------|------------------|-------------|--|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |  |
| 2017CPT.14.03.10221.1.ETC |                  | 4           |  |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |  |
|                           |                  |             |  |
|                           |                  |             |  |

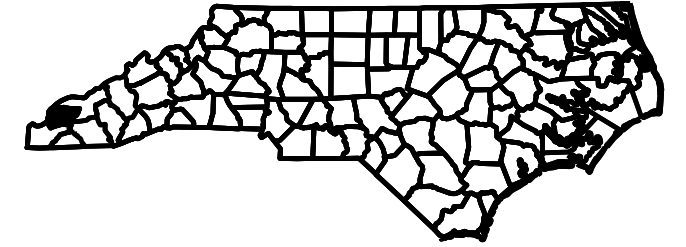
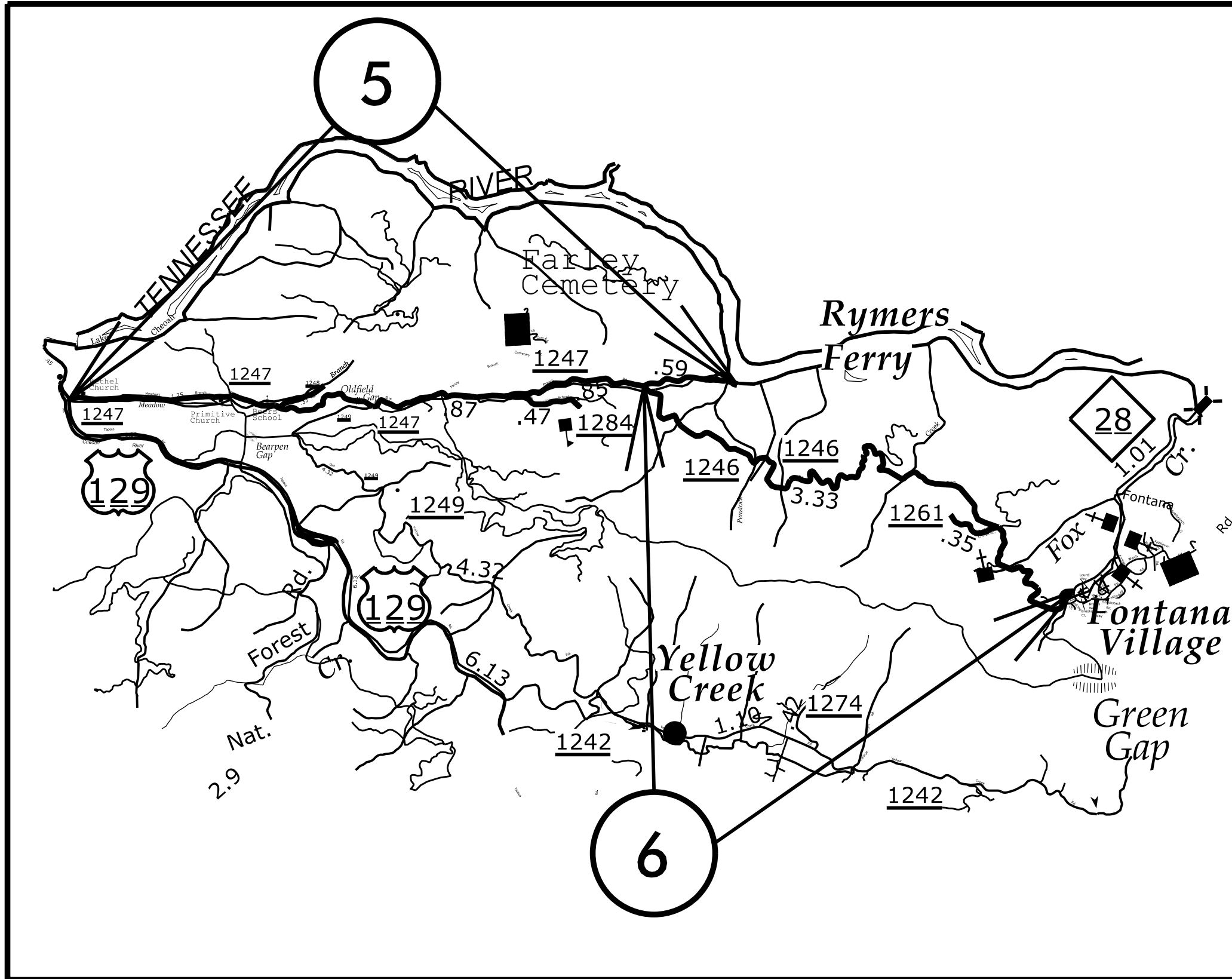


TIP PROJECT: N/A

CONTRACT:

# GRAHAM COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1.ETC |                  | 5           |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |



5

6

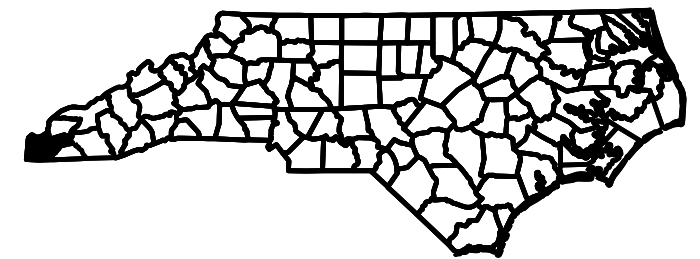
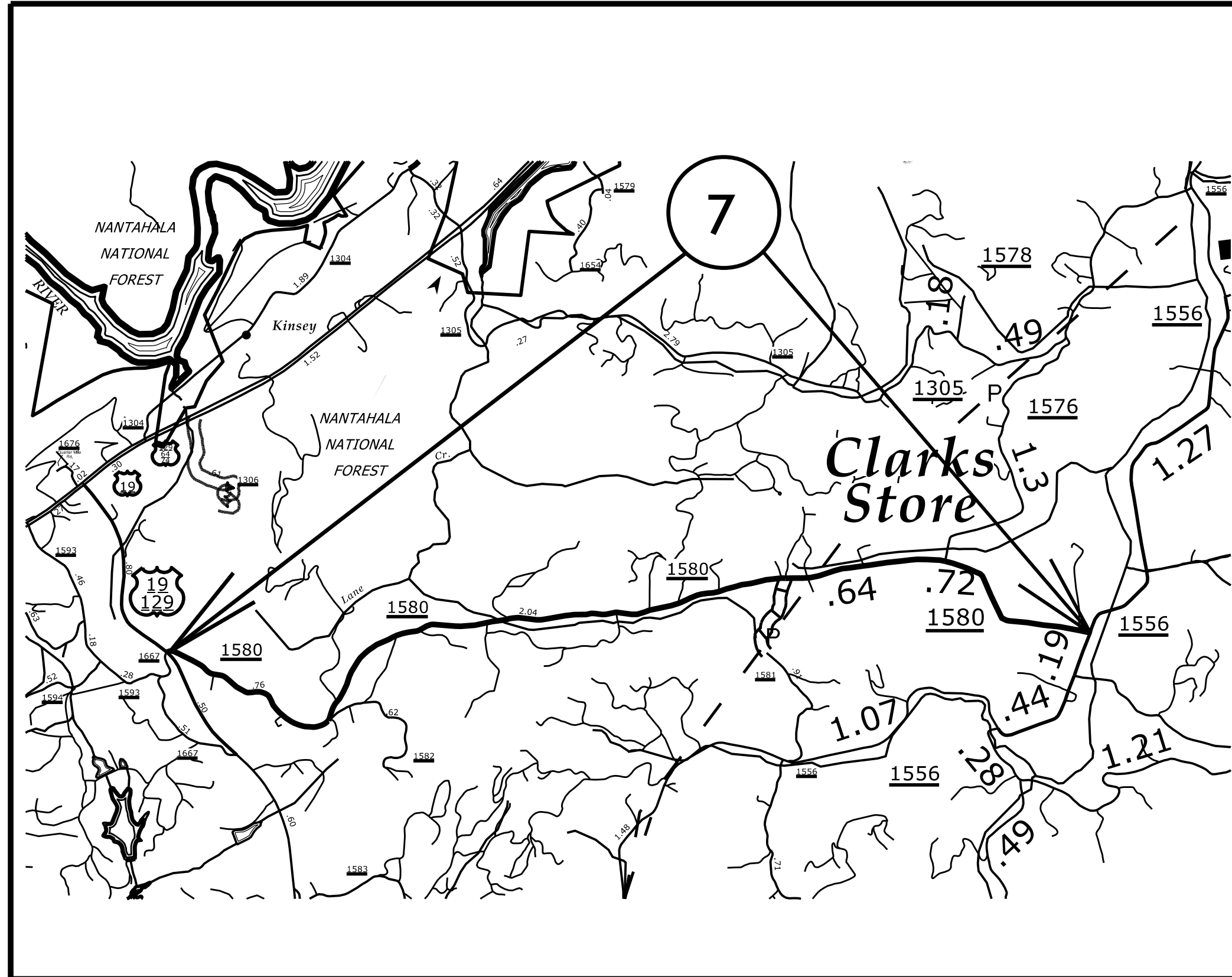
28

TIP PROJECT: N/A

CONTRACT:

# CHEROKEE COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1.ETC |                  | 6           |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

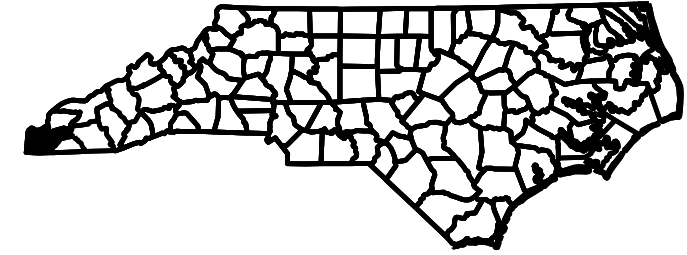
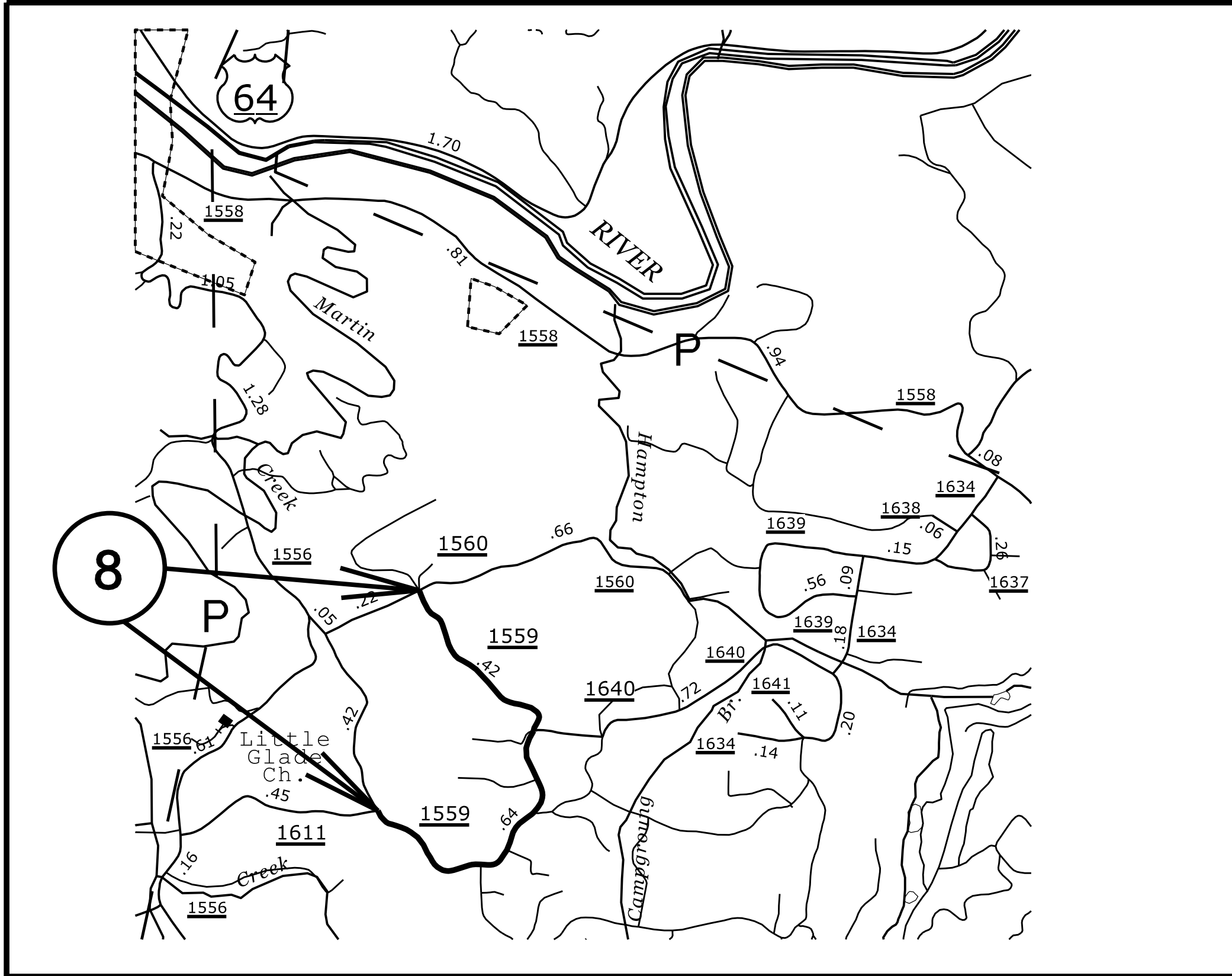


TIP PROJECT: N/A

CONTRACT:

# CHEROKEE COUNTY

| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
|---------------------------|------------------|-------------|
| 2017CPT.14.03.10221.1.ETC |                  | 7           |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

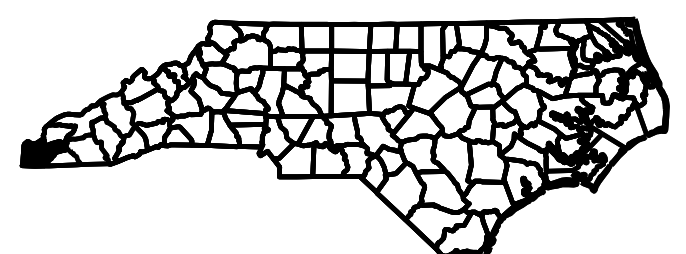
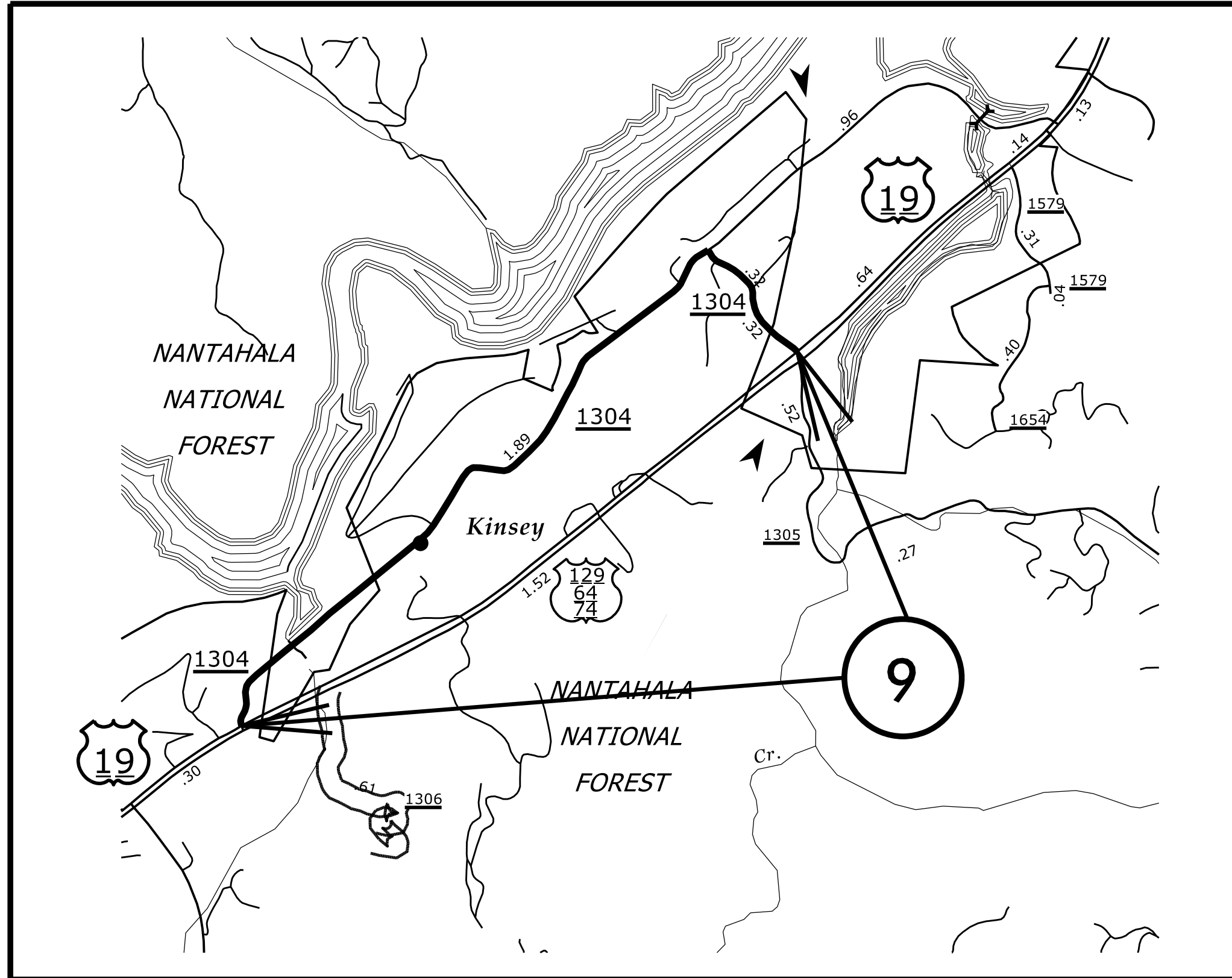


# CHEROKEE COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1.ETC |                  | 8           |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

TIP PROJECT: NA

CONTRACT:



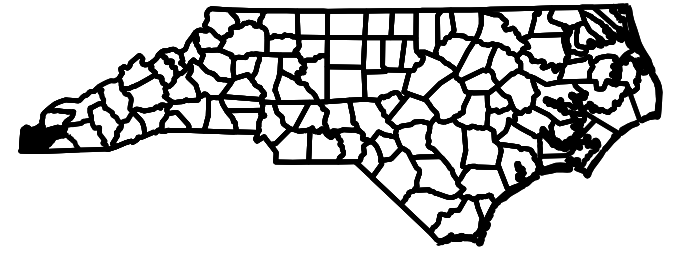
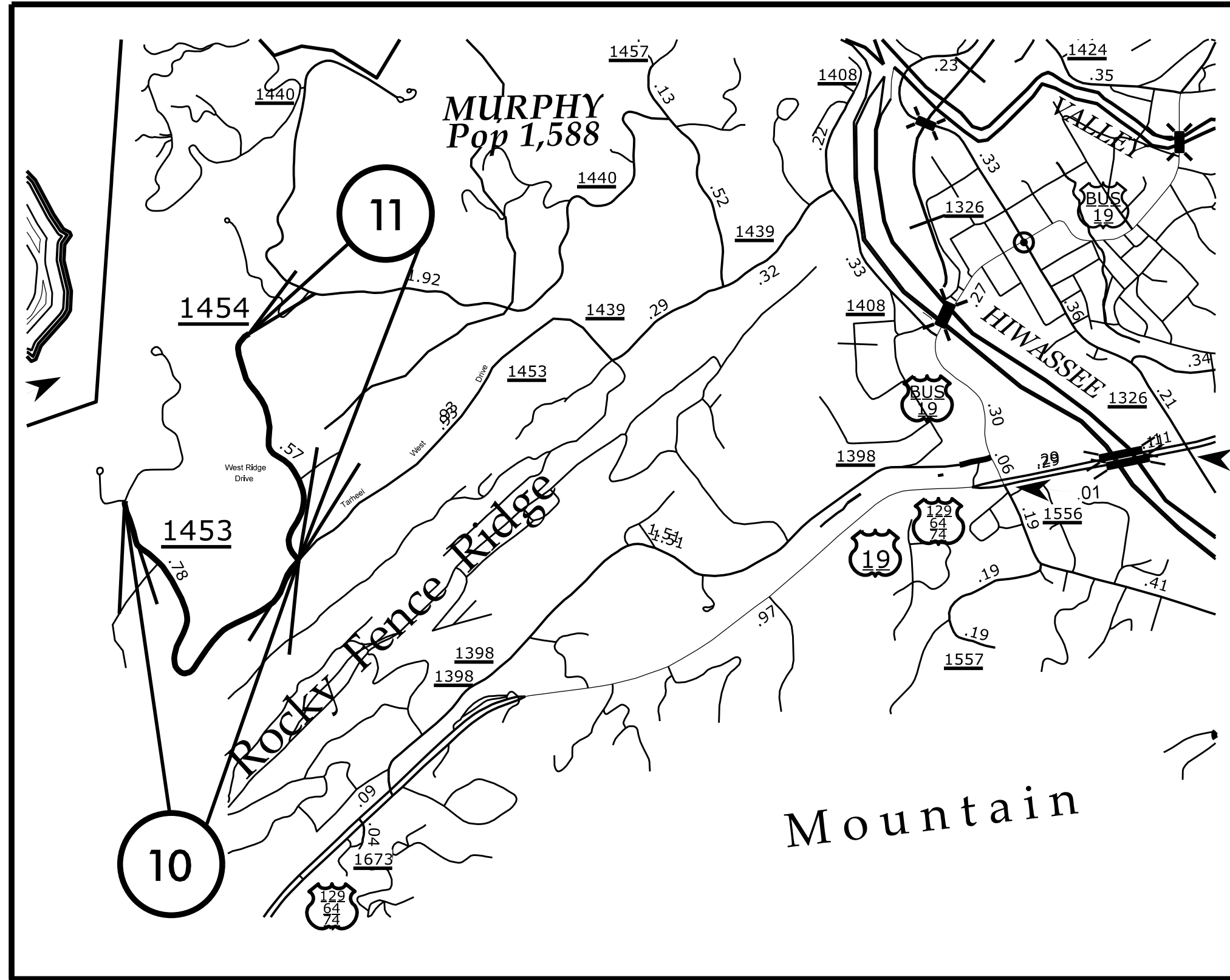


# CHEROKEE COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 9           |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

TIP PROJECT: N/A

CONTRACT:

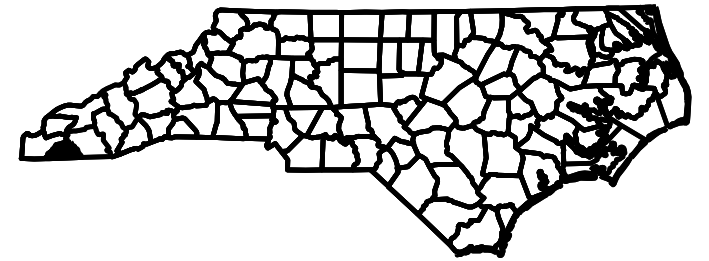
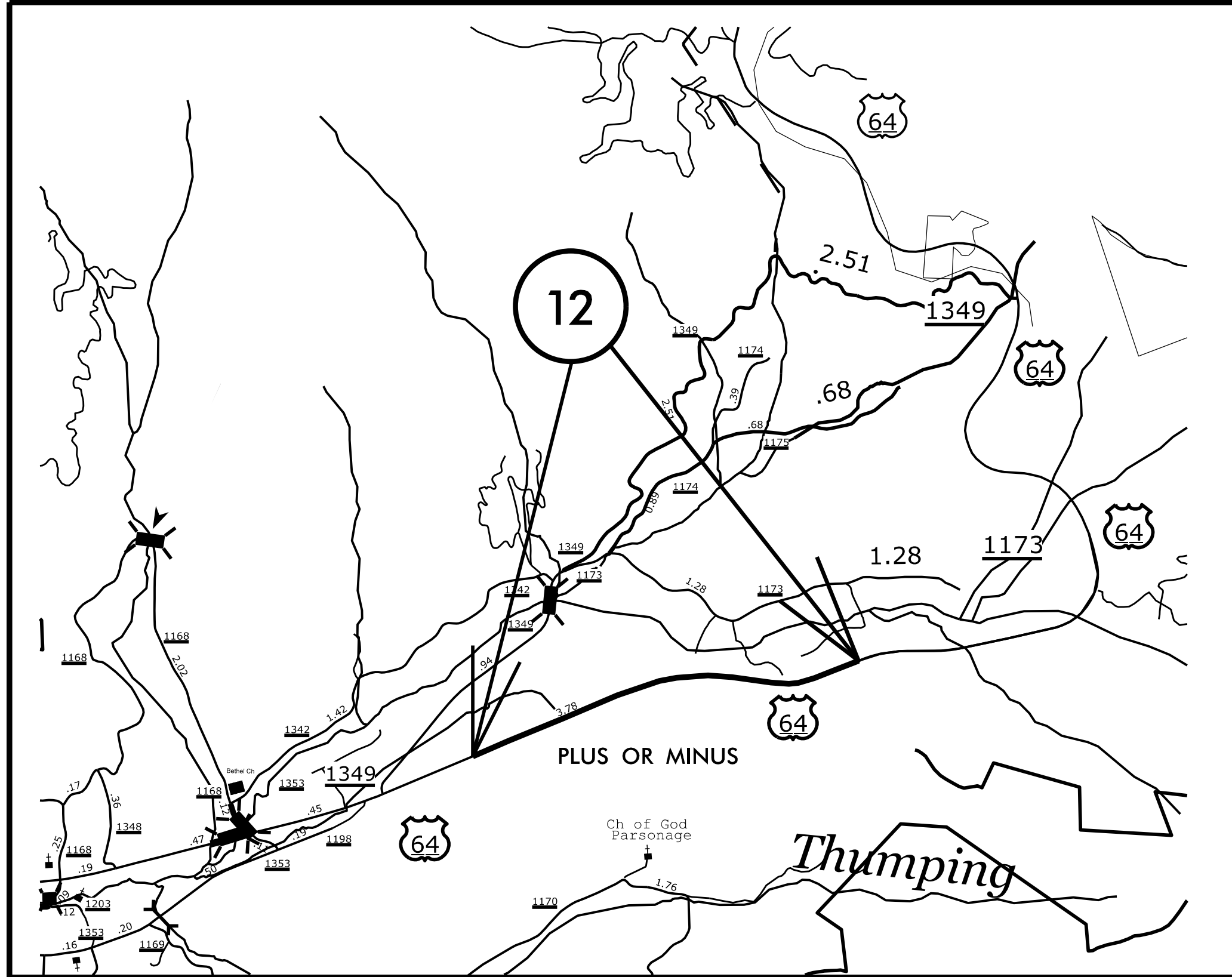


TIP PROJECT: N/A

CONTRACT: C203910

# CLAY COUNTY

| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
|---------------------------|------------------|-------------|
| 2017CPT.14.03.10221.1,ETC |                  | 10          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |
|                           |                  |             |

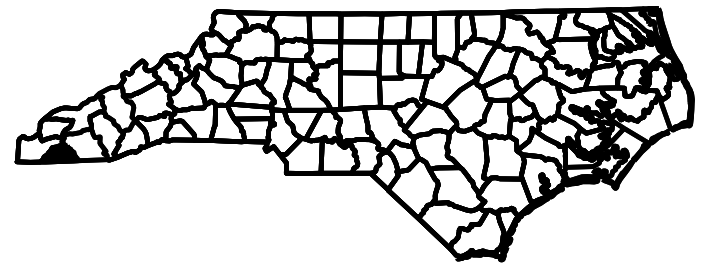
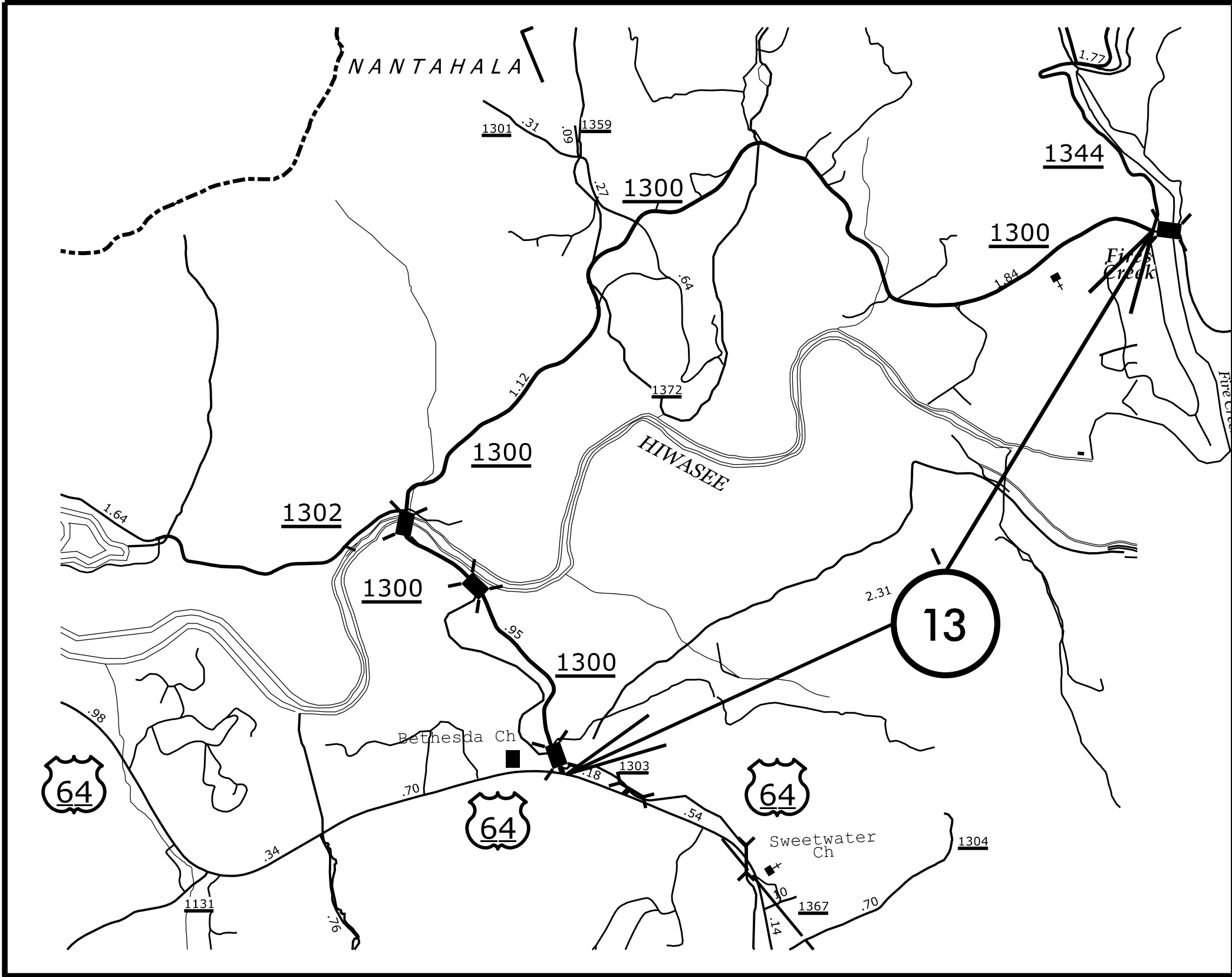


# CLAY COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 11          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

**TIP PROJECT: N/A**

**CONTRACT:**

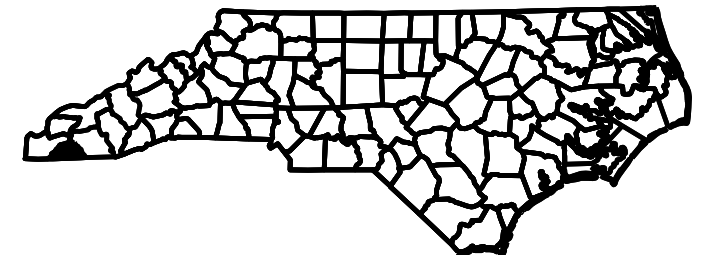
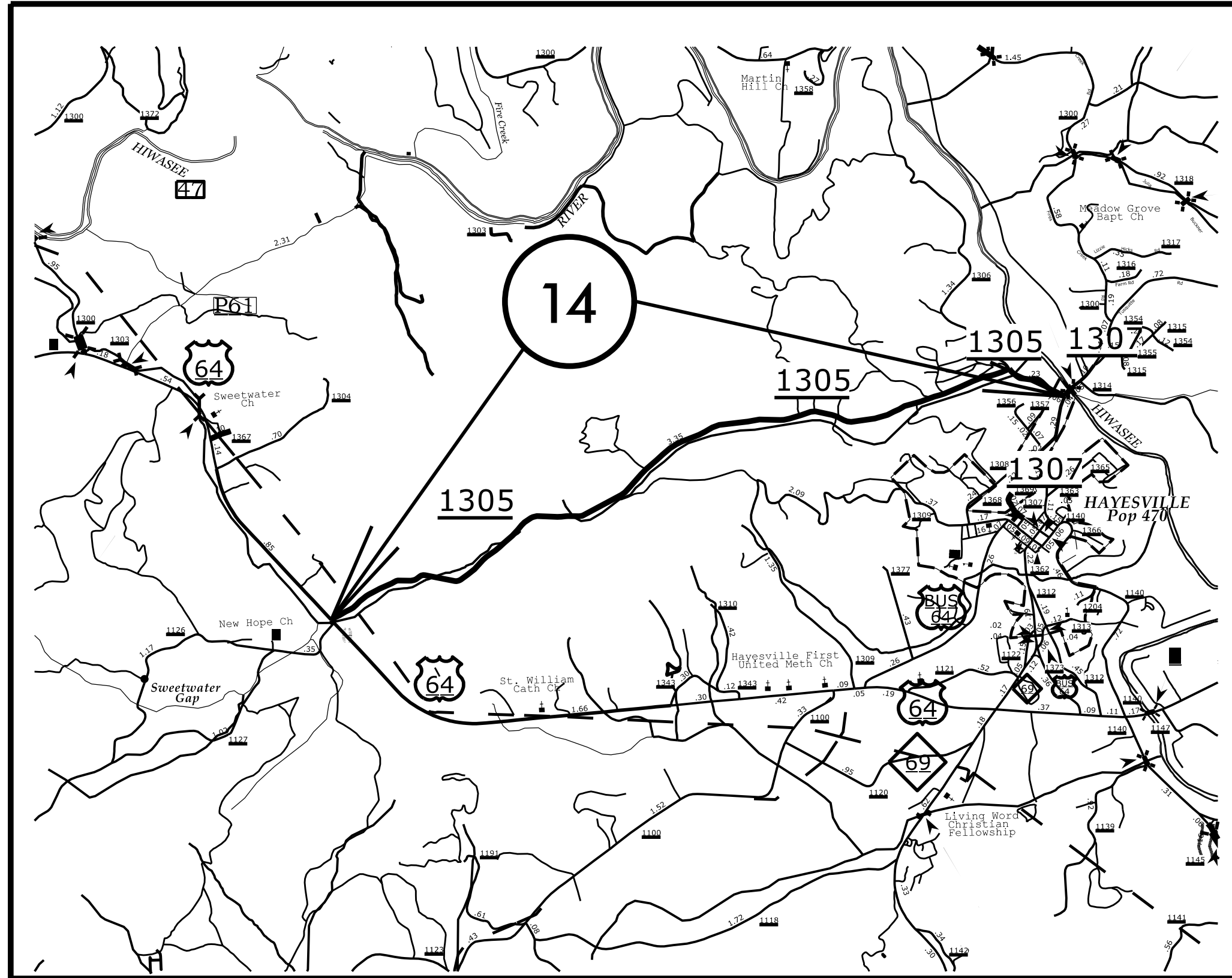


# CLAY COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 12          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |

**TIP PROJECT: NA**

**CONTRACT:**

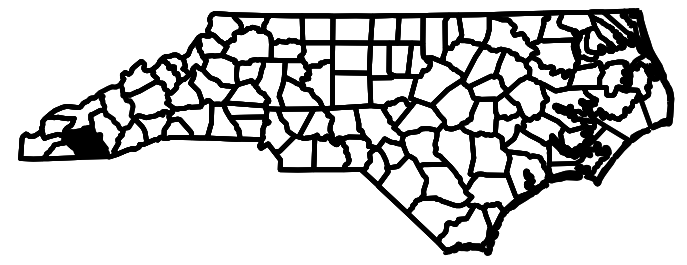
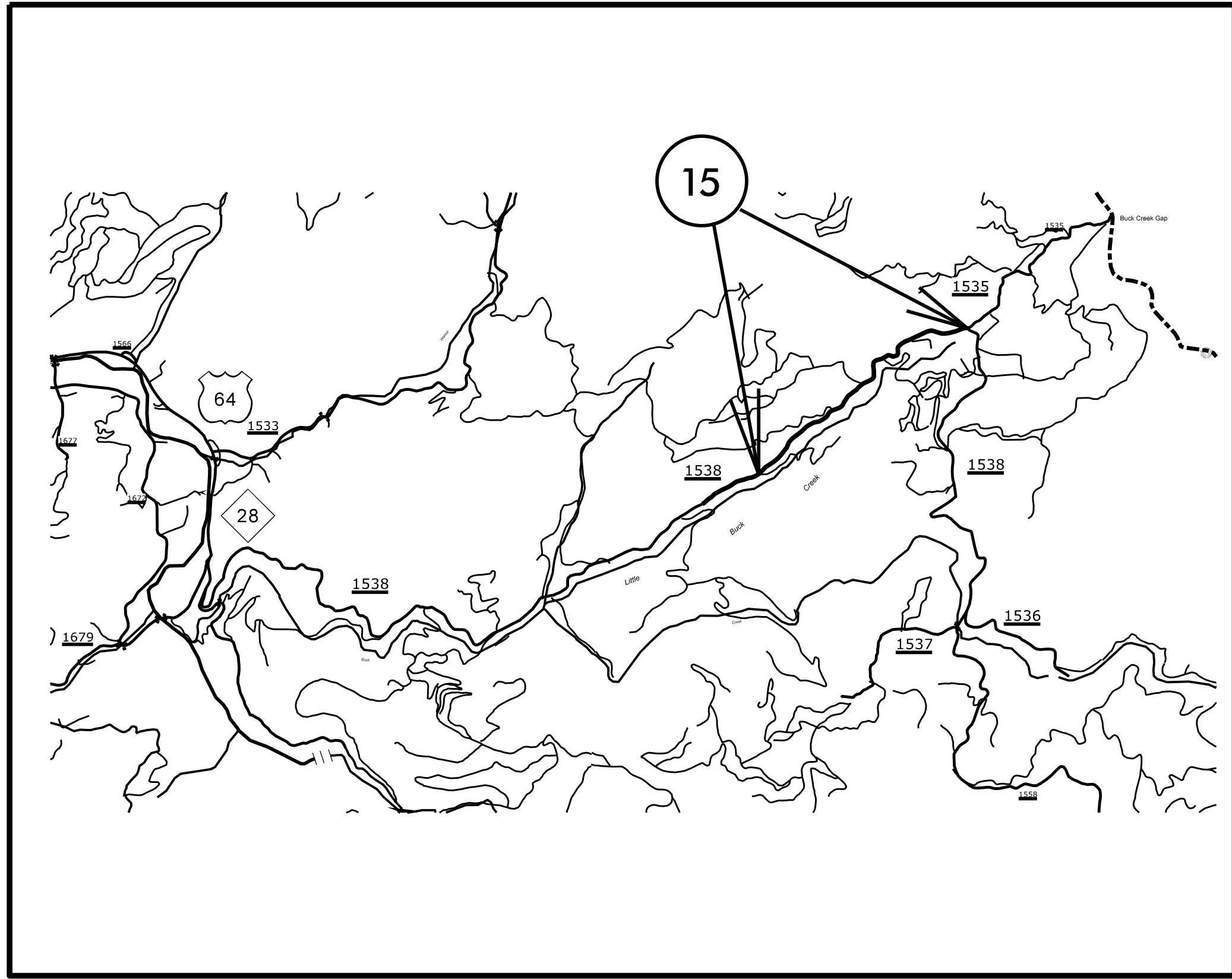


TIP PROJECT: N/A

CONTRACT:

# MACON COUNTY

| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
|---------------------------|------------------|-------------|
| 2017CPT.14.03.10221.1,ETC |                  | 13          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

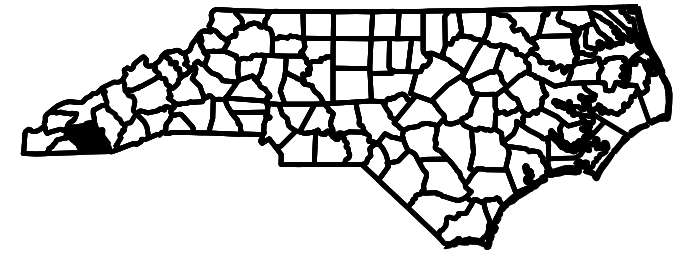
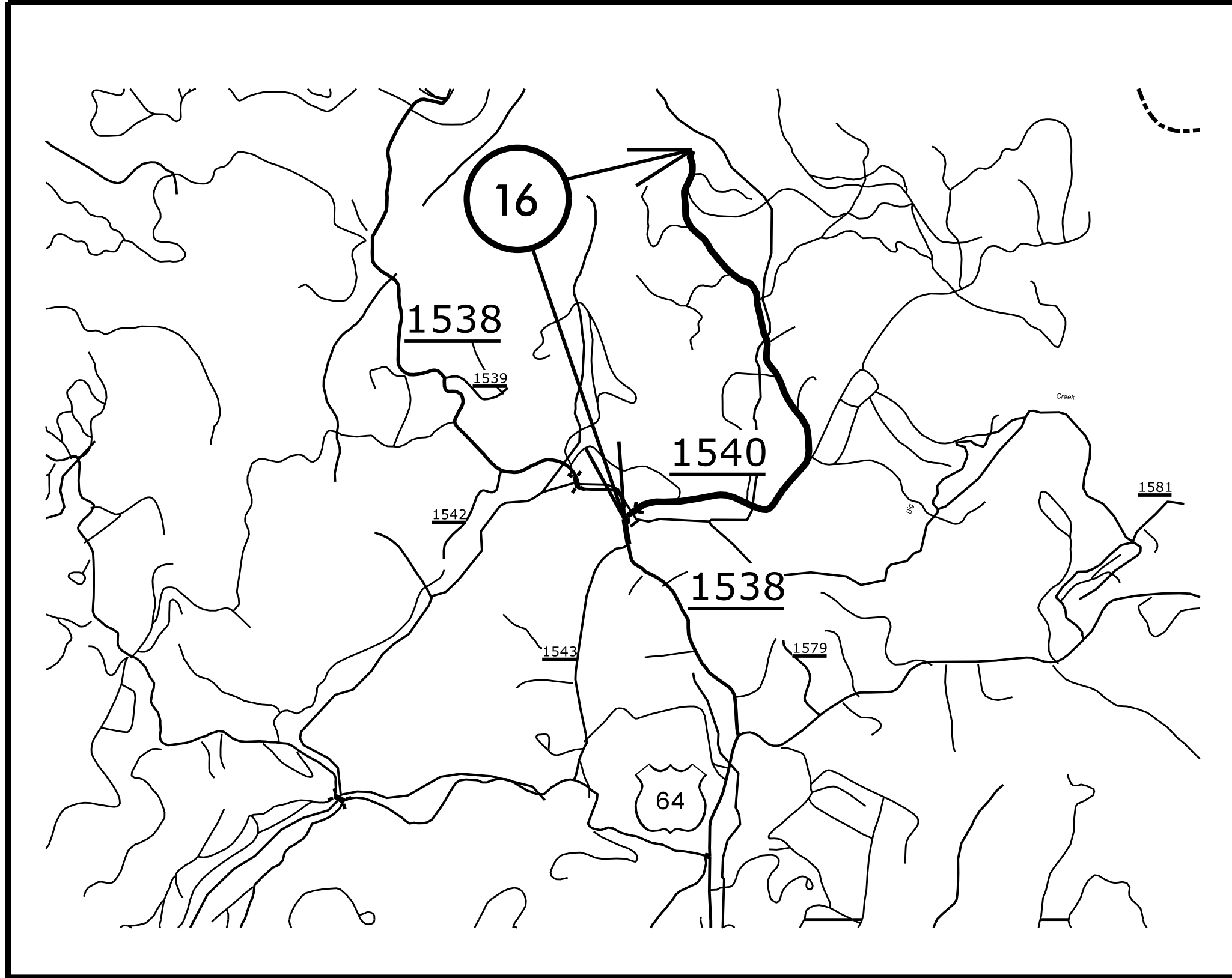


TIP PROJECT: N/A

CONTRACT:

# MACON COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1.ETC |                  | 14          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

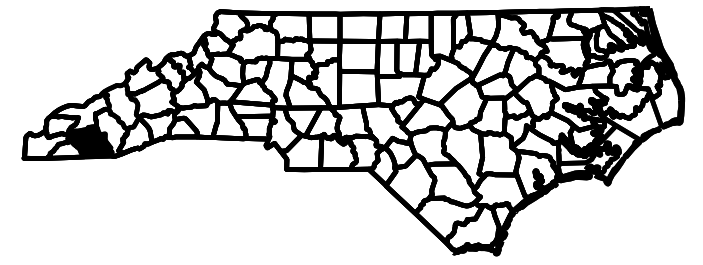
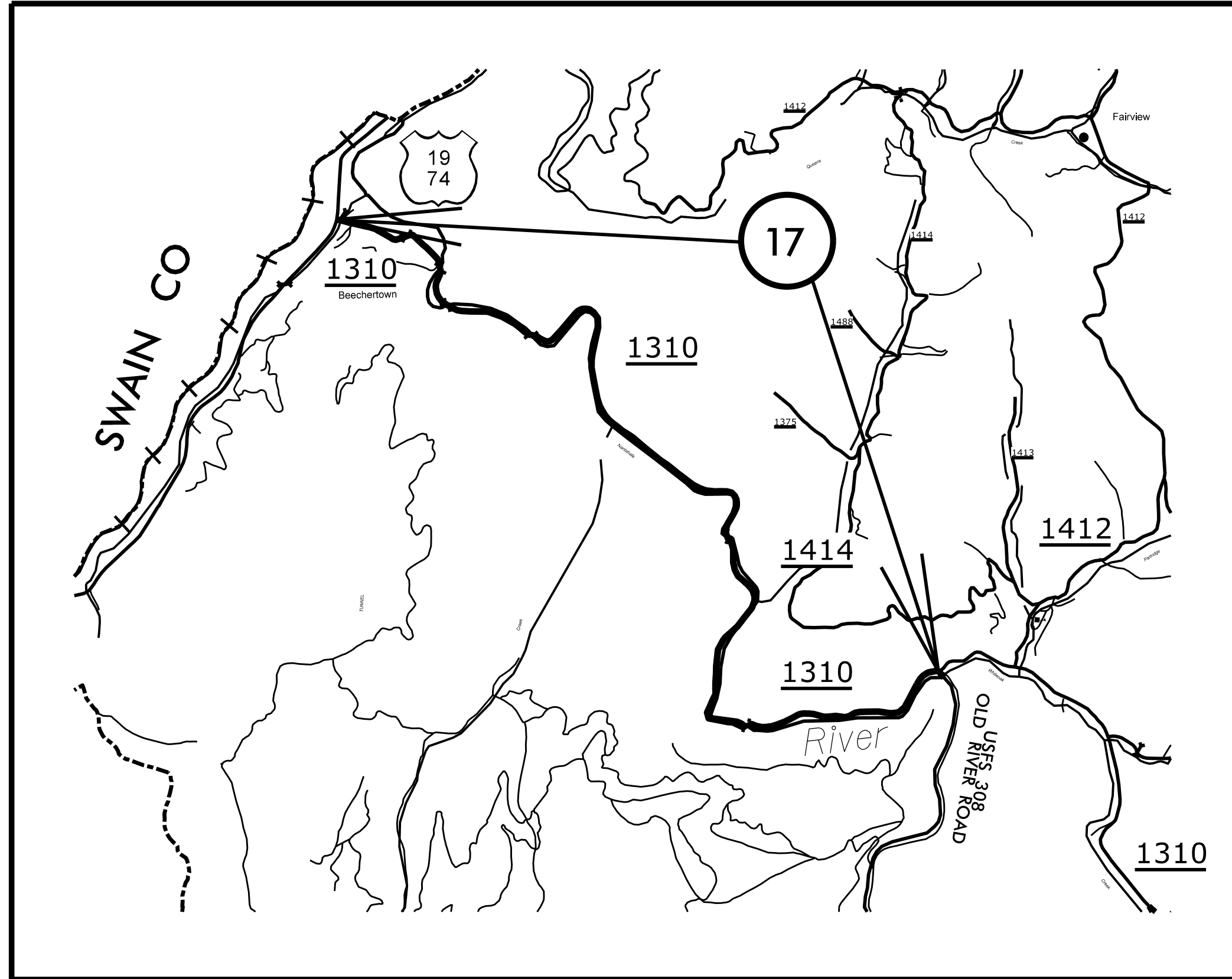


TIP PROJECT: N/A

CONTRACT:

# MACON COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 15          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

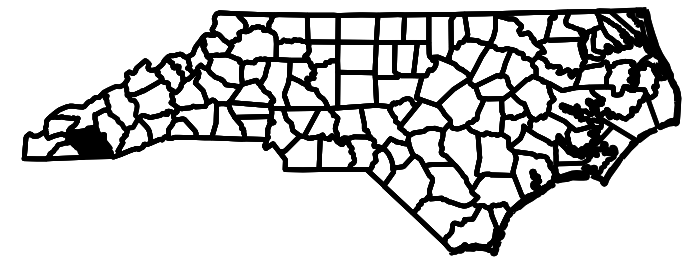
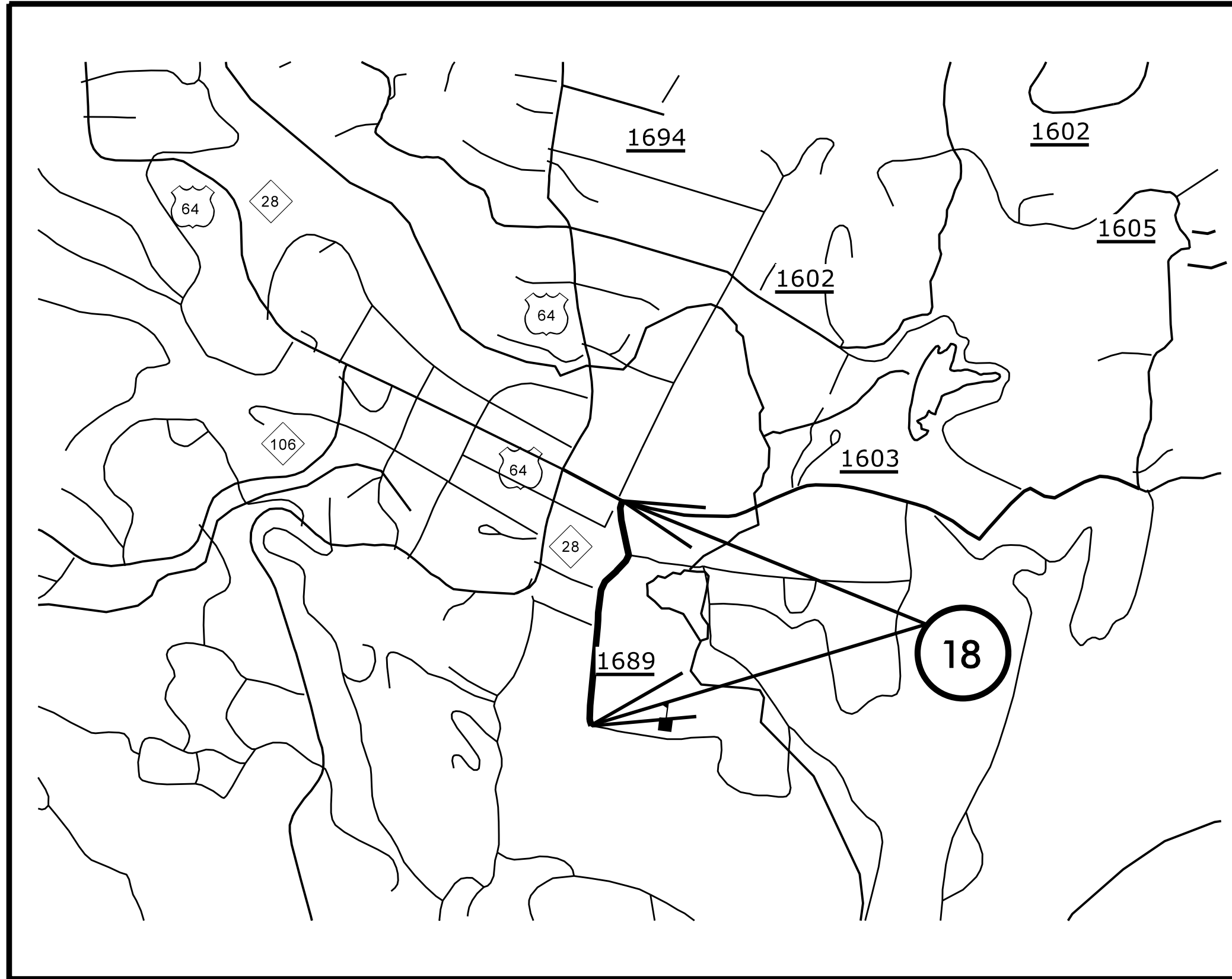


TIP PROJECT: N/A

CONTRACT:

# MACON COUNTY

| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
|---------------------------|------------------|-------------|
| 2017CPT.14.03.10221.1,ETC |                  | 16          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |



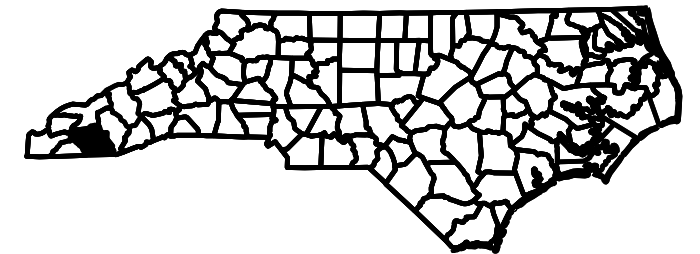
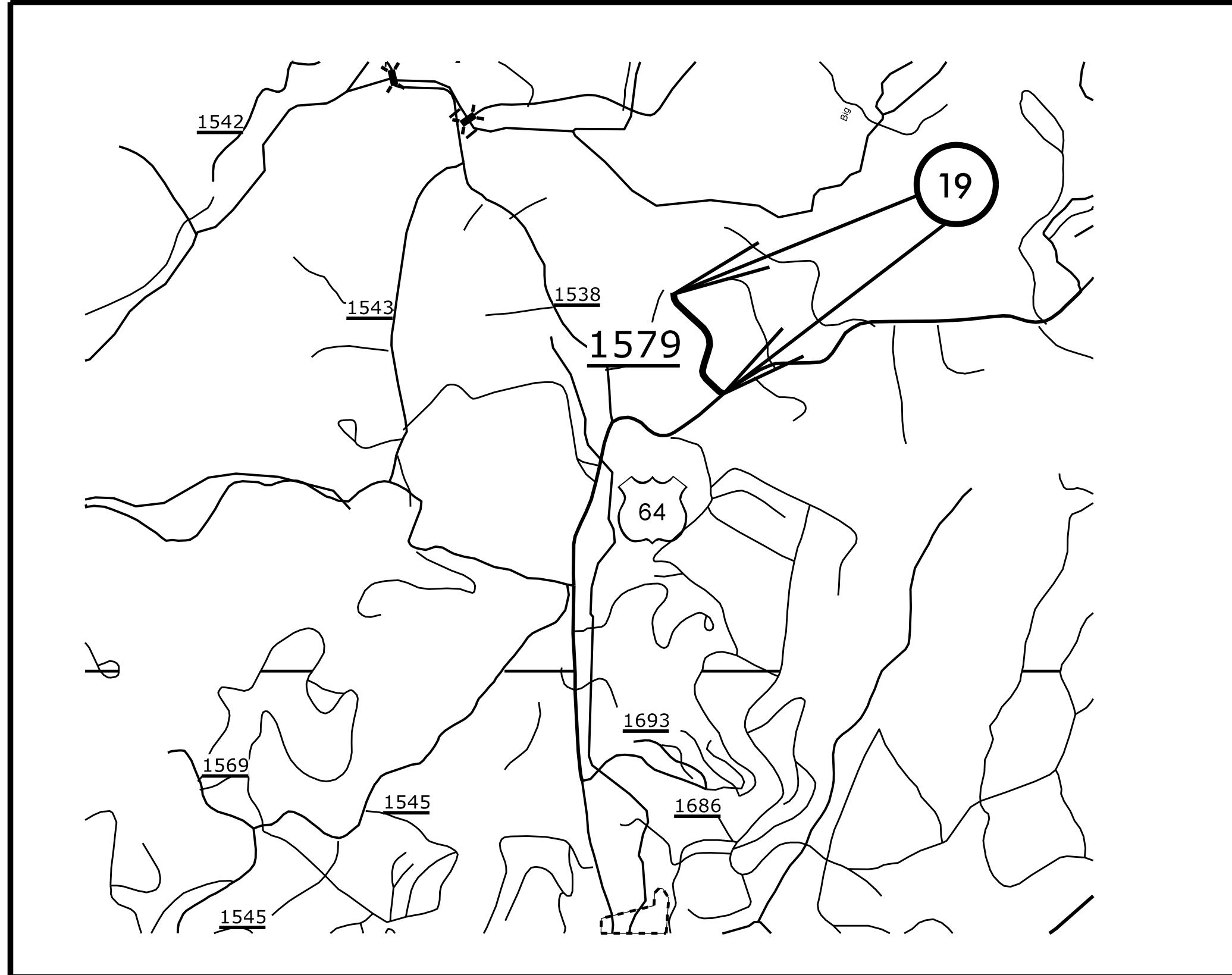


**TIP PROJECT: N/A**

**CONTRACT:**

# MACON COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 17          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

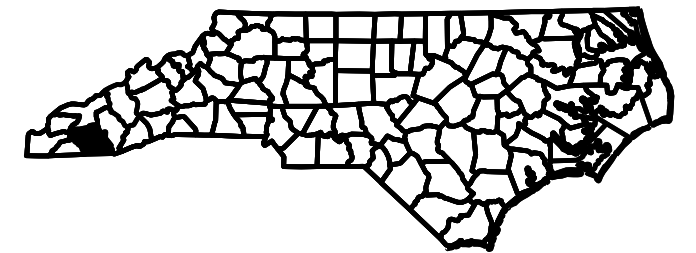
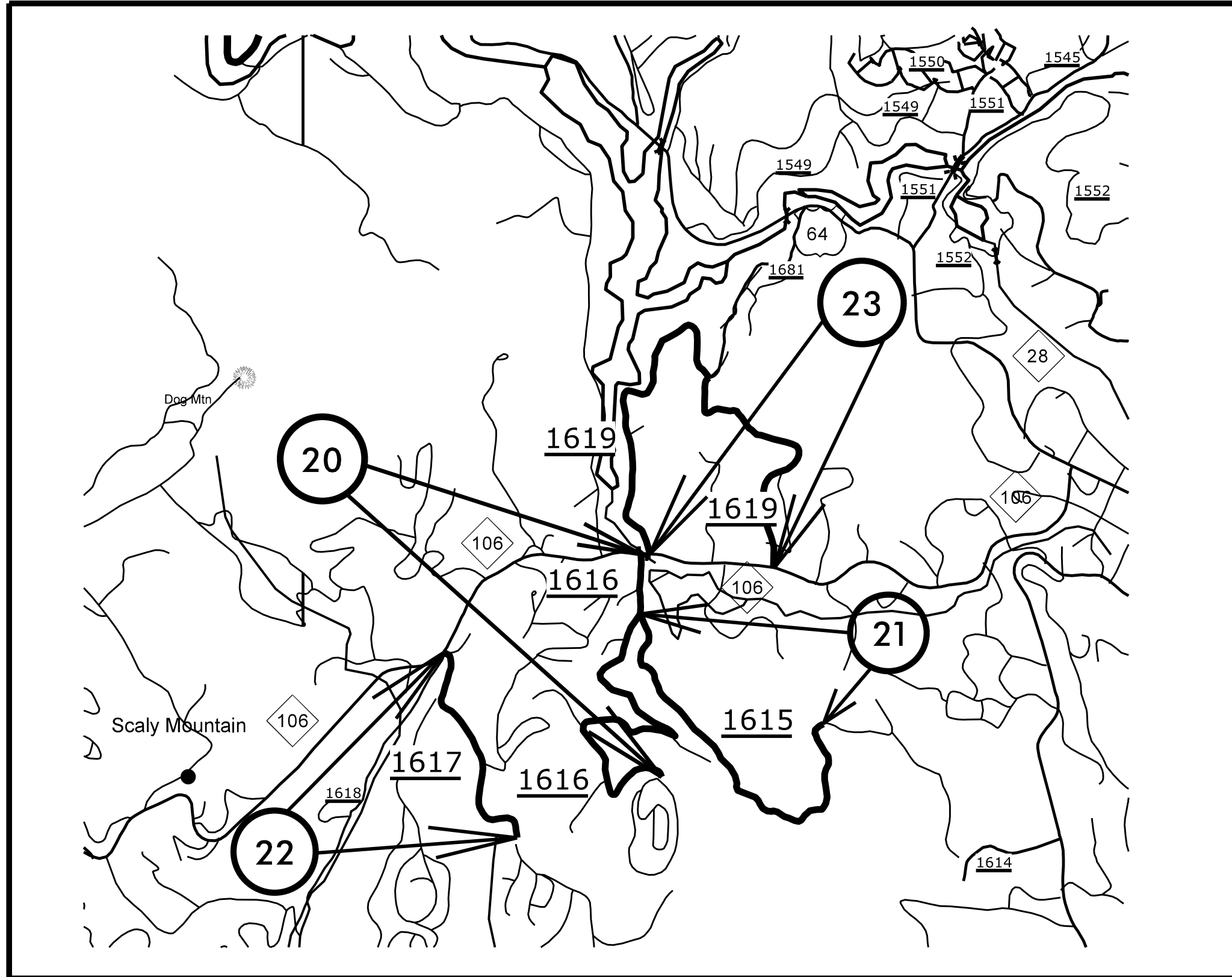


TIP PROJECT: N/A

CONTRACT:

# MACON COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 18          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

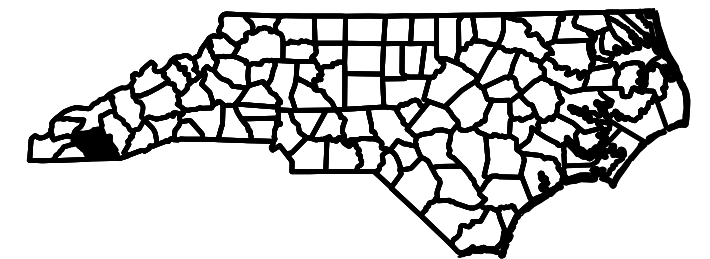
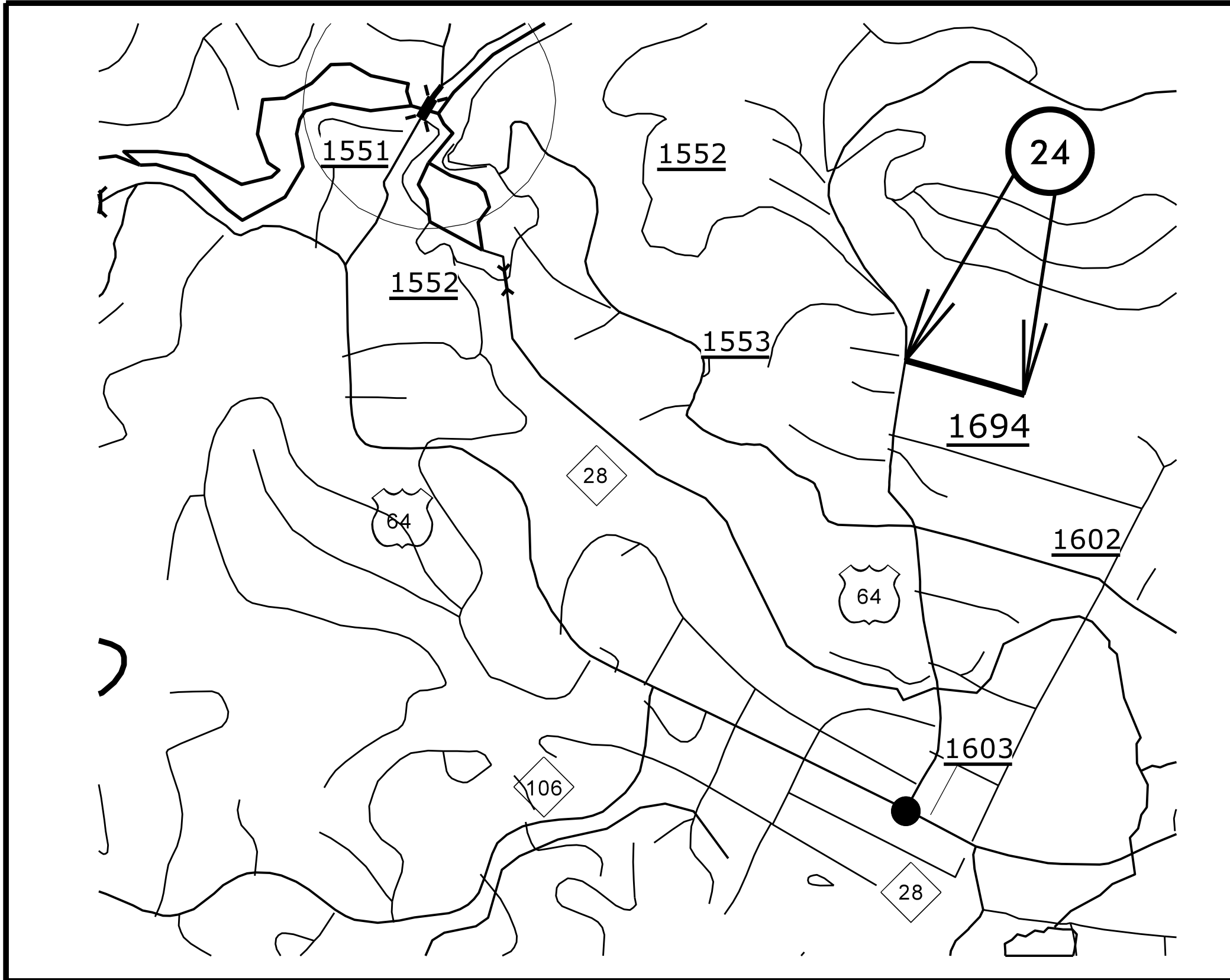


TIP PROJECT: N/A

CONTRACT:

# MACON COUNTY

|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT 14.03.10221.1.ETC |                  | 19          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

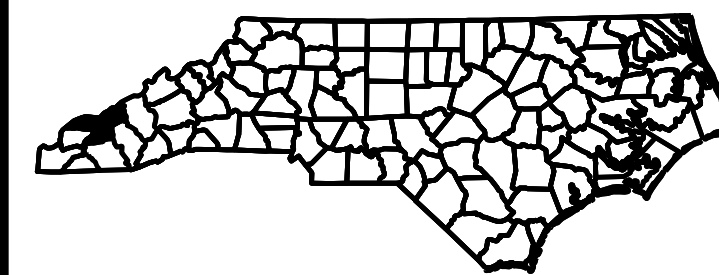
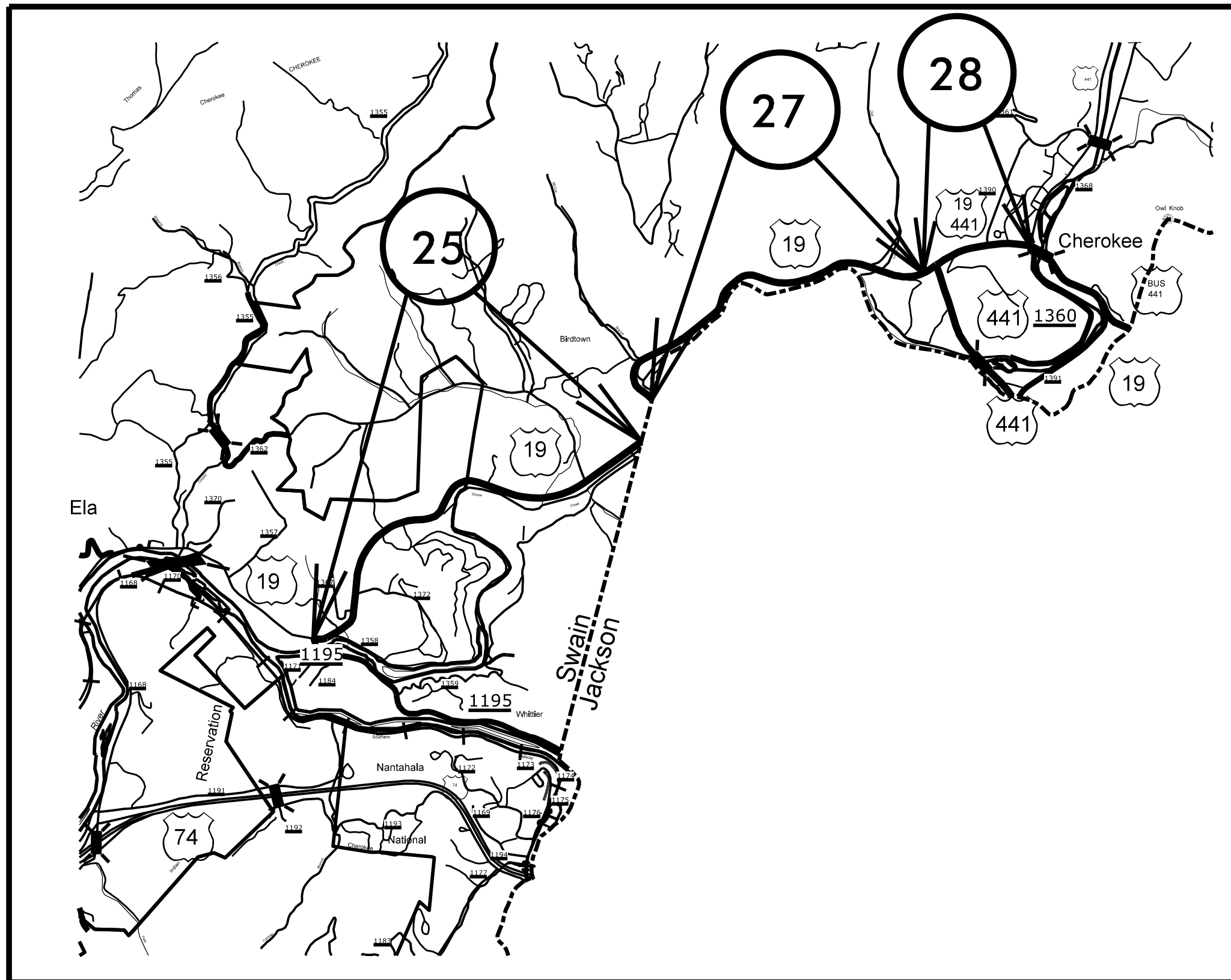


TIP PROJECT: N/A

CONTRACT:

# SWAIN COUNTY

| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
|---------------------------|------------------|-------------|
| 2017CPT.14.03.10221.1.ETC |                  | 20          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |
|                           |                  |             |

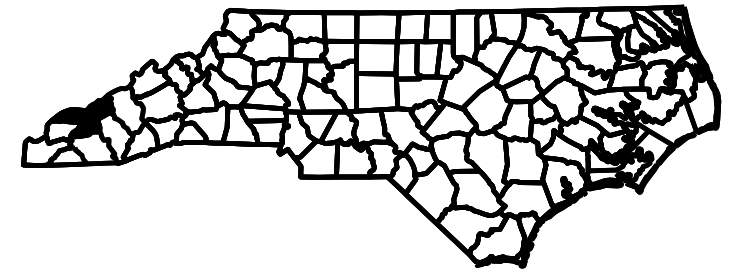
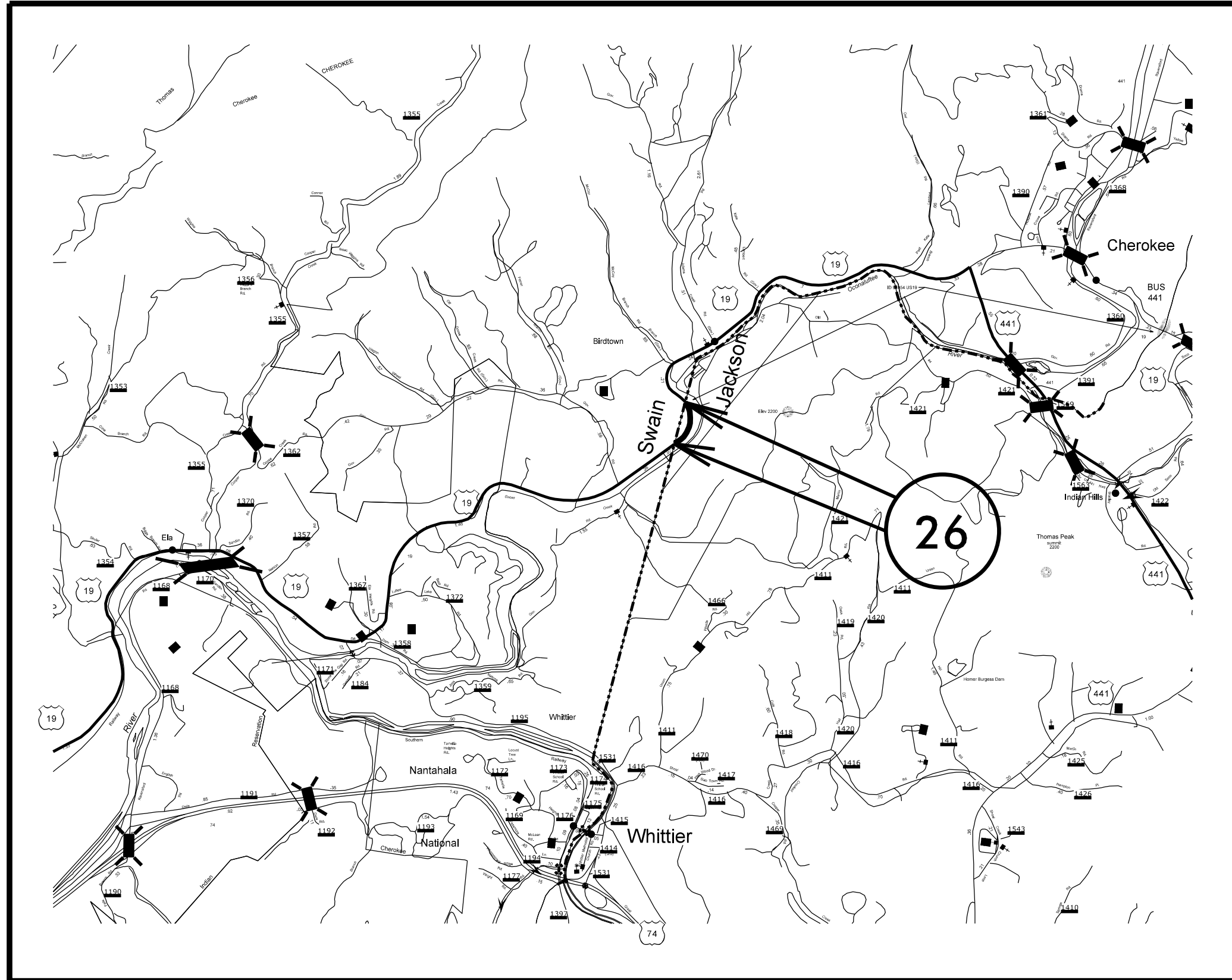


TIP PROJECT: N/A

CONTRACT:

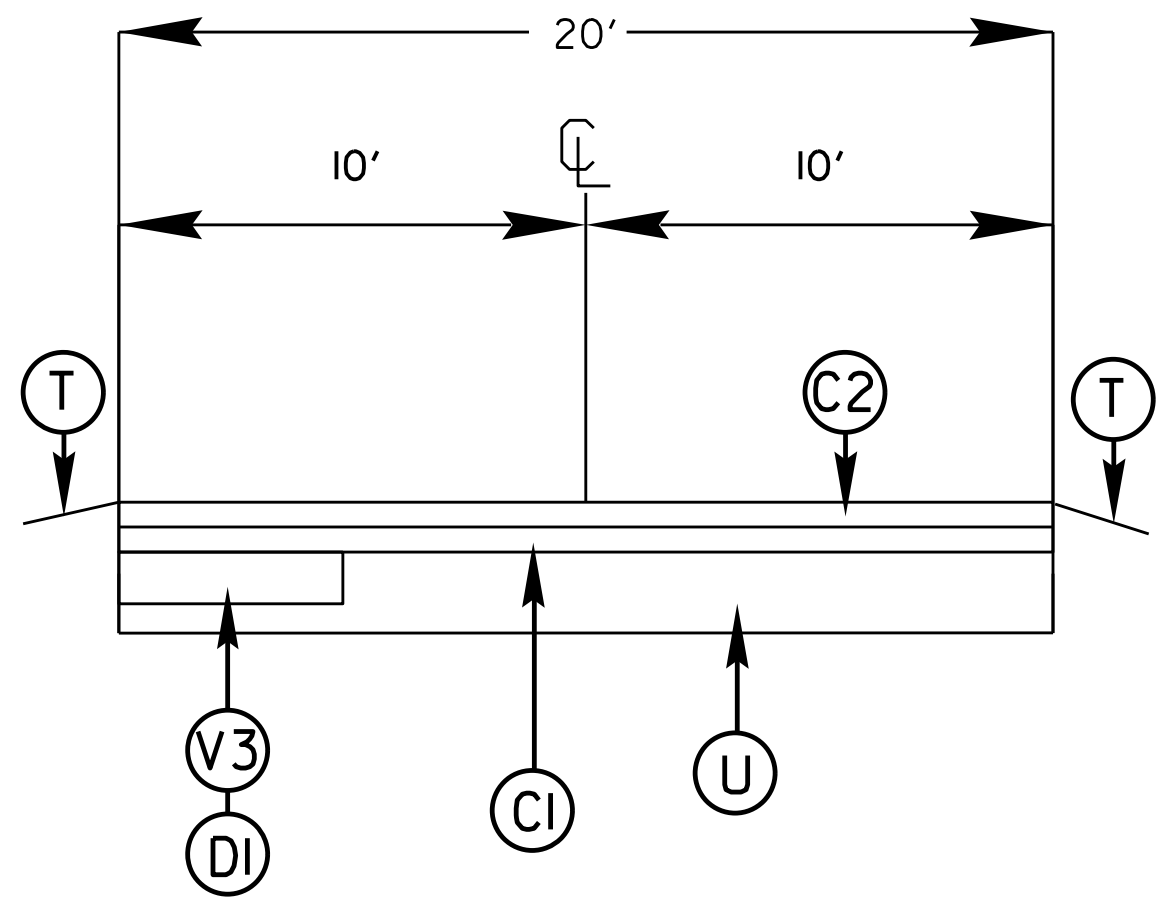
# JACKSON CO

| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
|---------------------------|------------------|-------------|
| 2017CPT.14.03.10221.1,ETC |                  | 21          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |

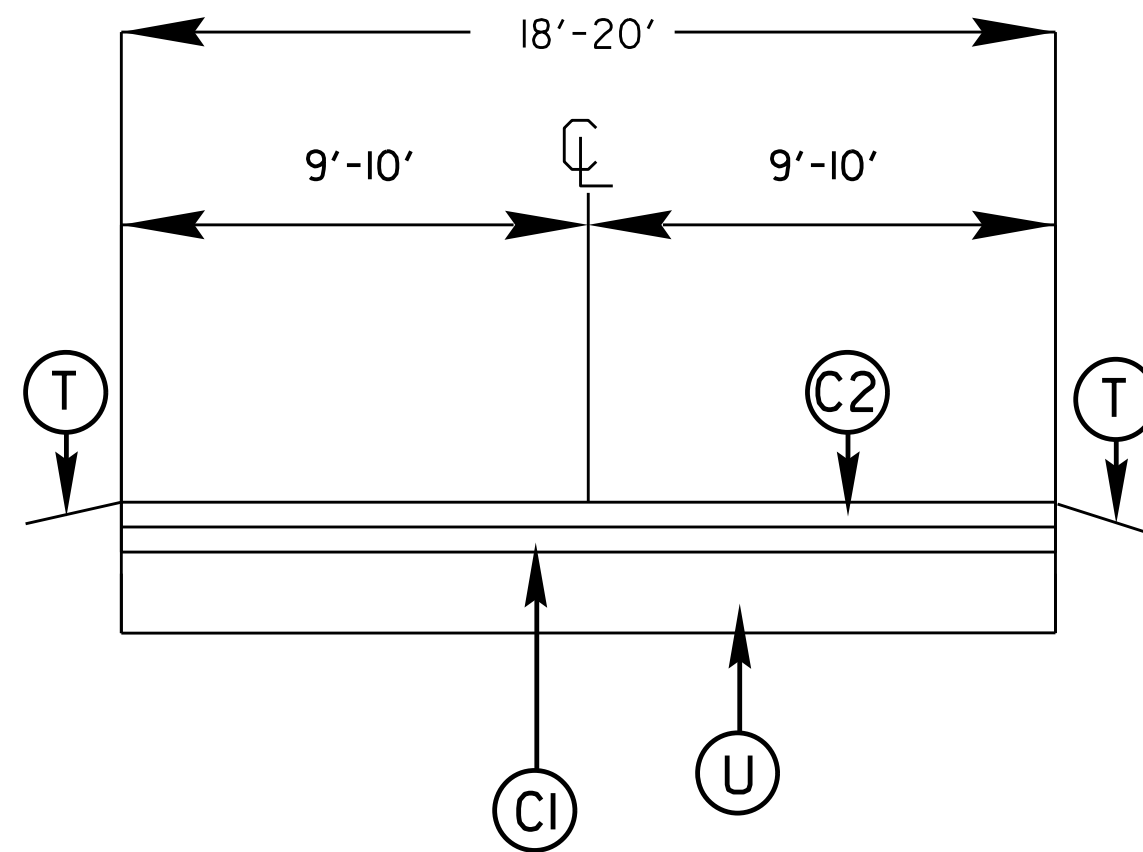


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|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1.ETC |                  | 22          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
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# TYPICAL 1

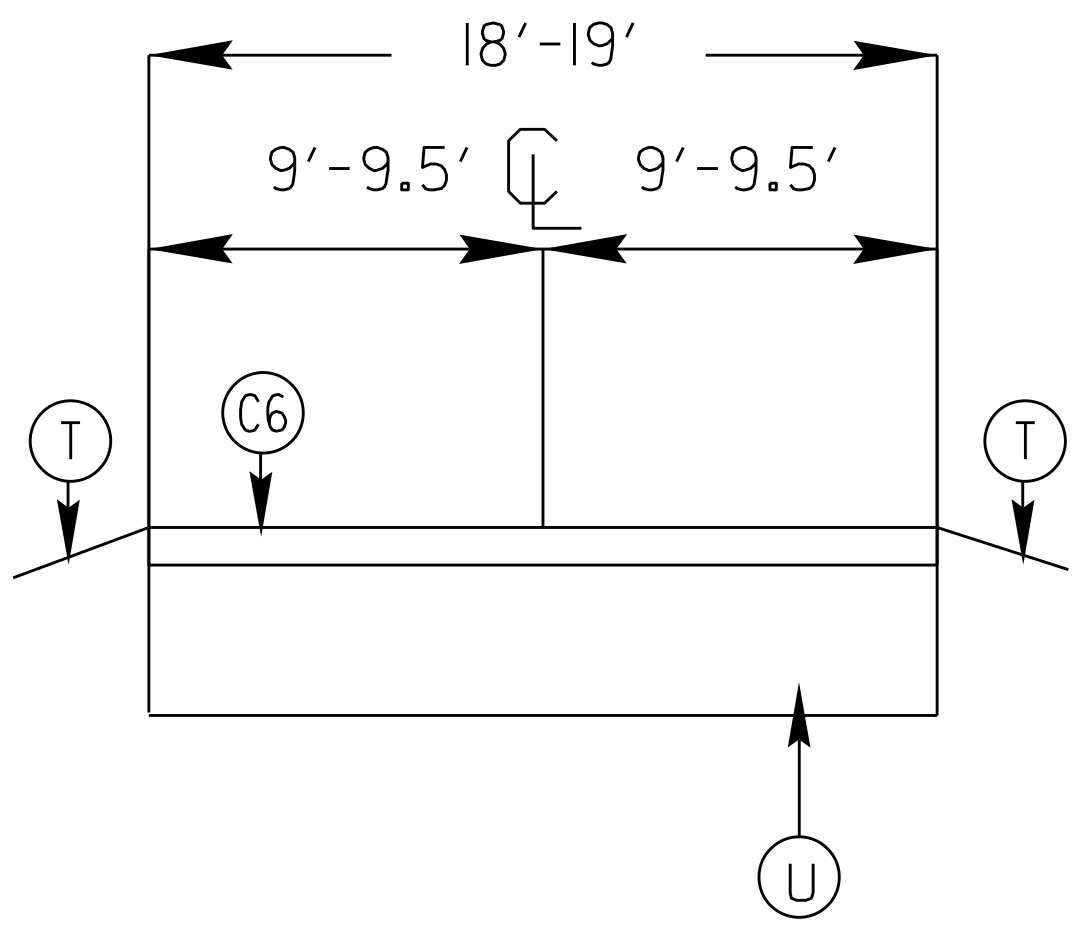


# TYPICAL 2



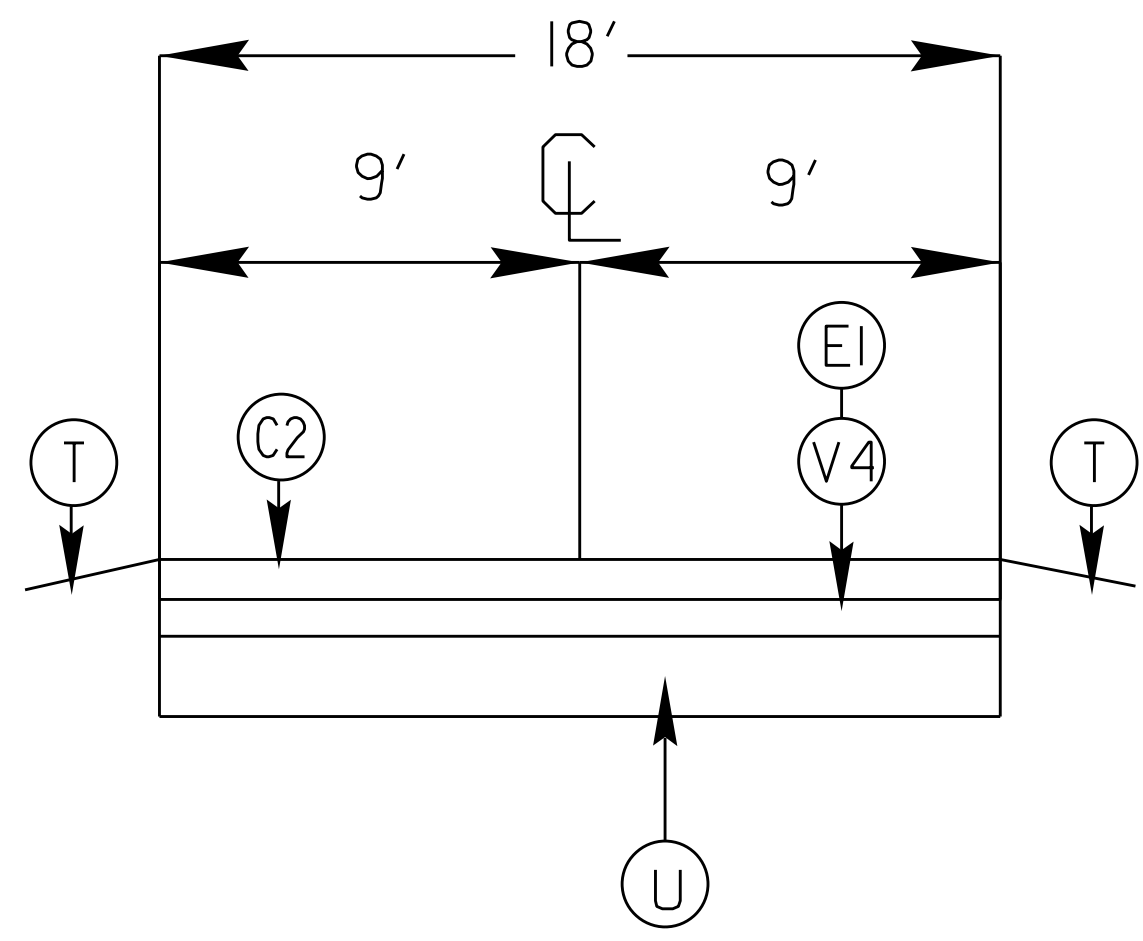
|                          |                  |             |
|--------------------------|------------------|-------------|
| PROJECT REFERENCE NO.    |                  | SHEET NO.   |
| 2017CPT.14.03.102211.ETC |                  | 23          |
| STATE PROJECT            | F.A. PROJECT NO. | DESCRIPTION |
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|                          |                  |             |
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|                          |                  |             |
|                          |                  |             |

# TYPICAL 3



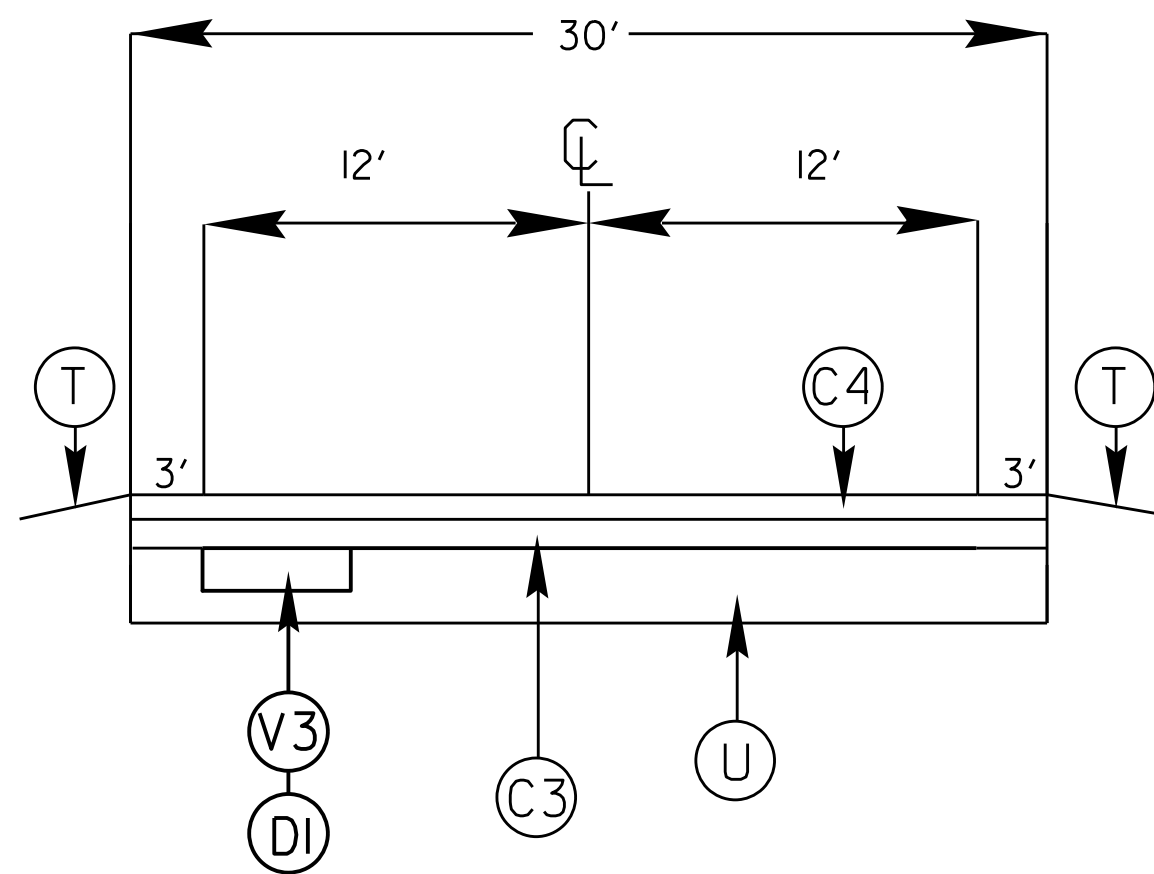
LEVELING OF TYPICAL ONLY

# TYPICAL 4

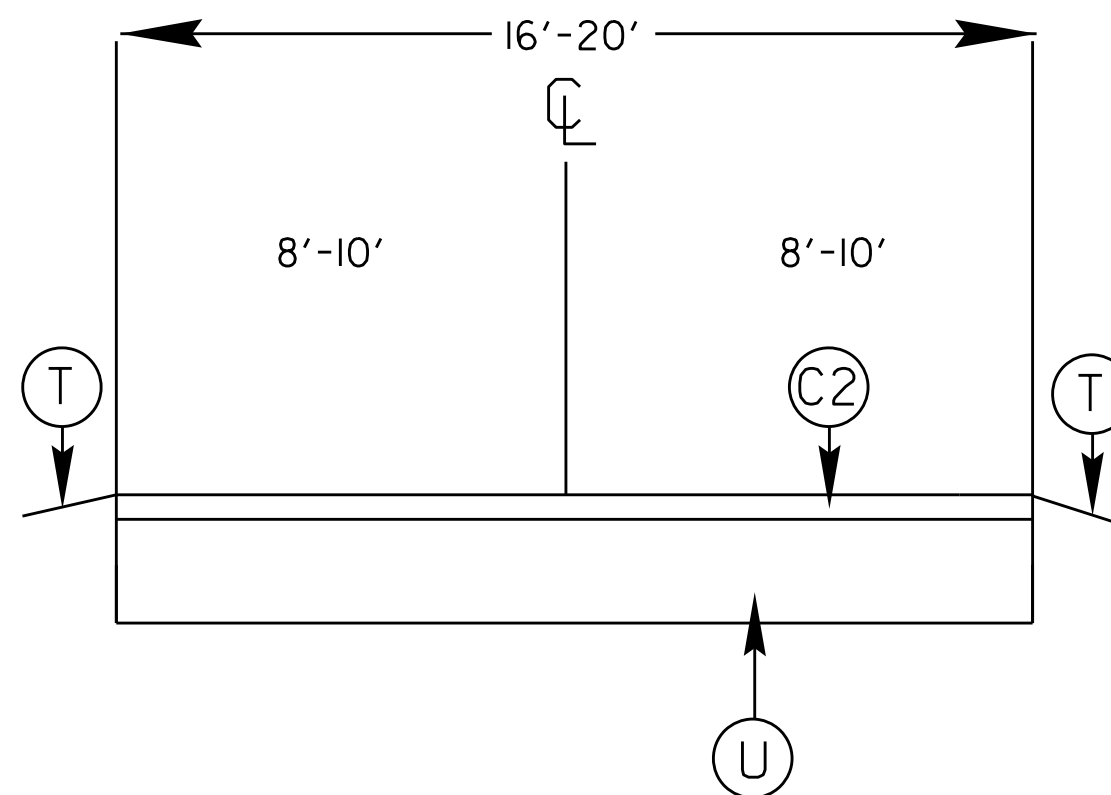


|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 24          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |
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# TYPICAL 5



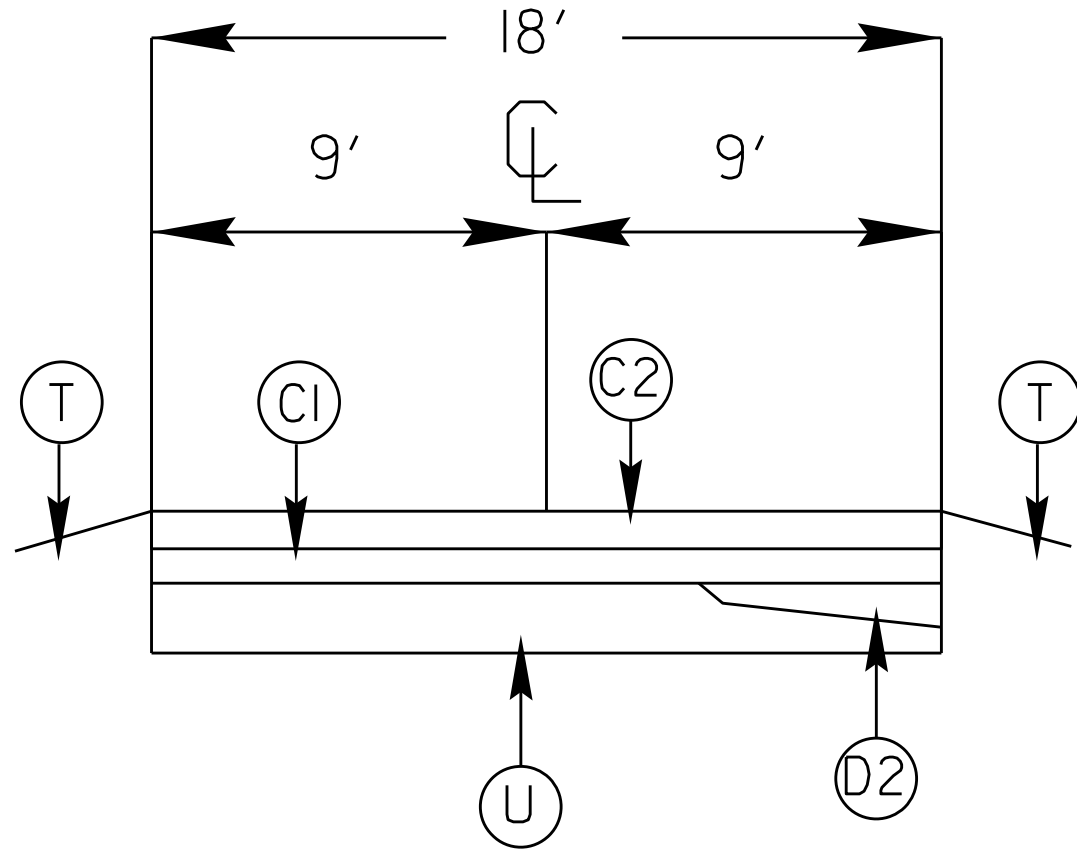
# TYPICAL 6



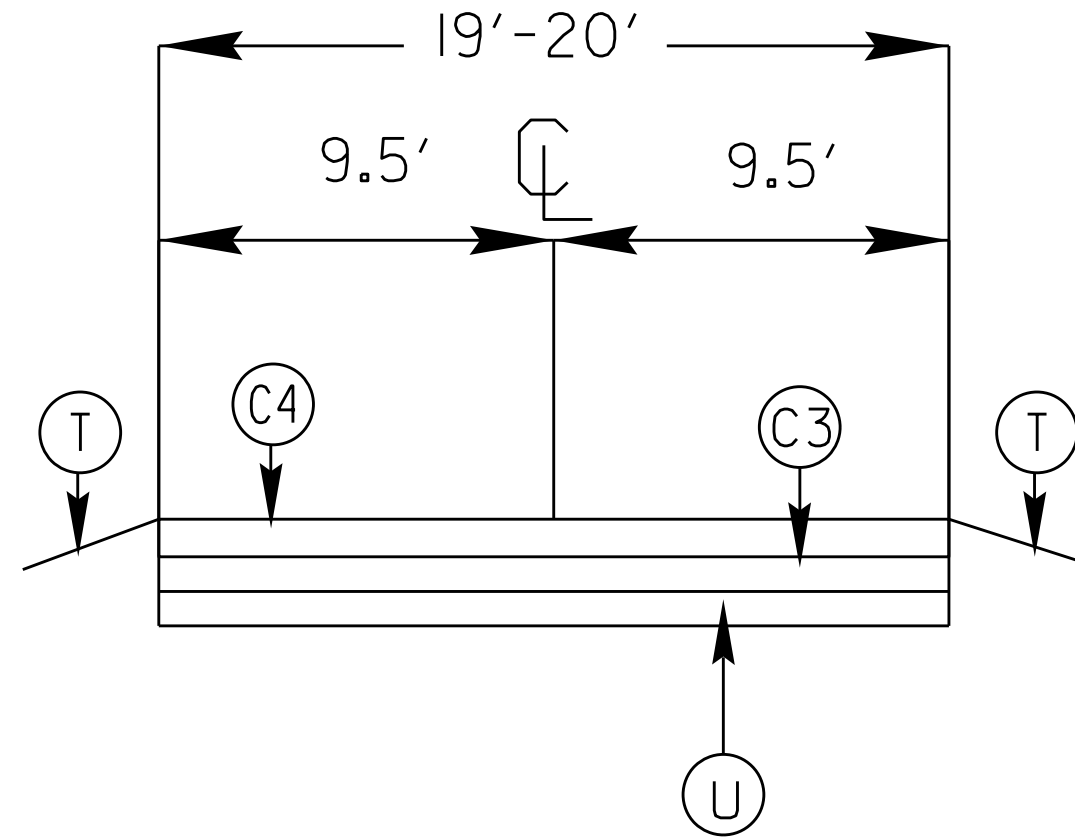


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|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 25          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
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# TYPICAL 7

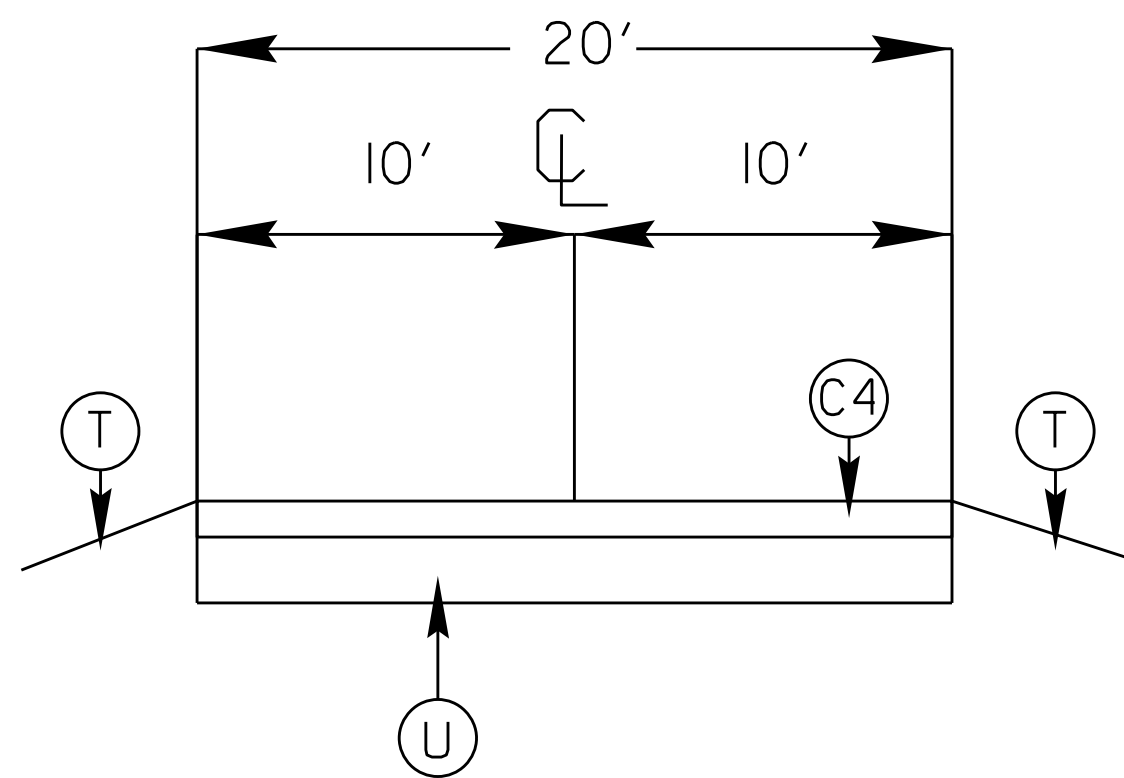


# TYPICAL 8

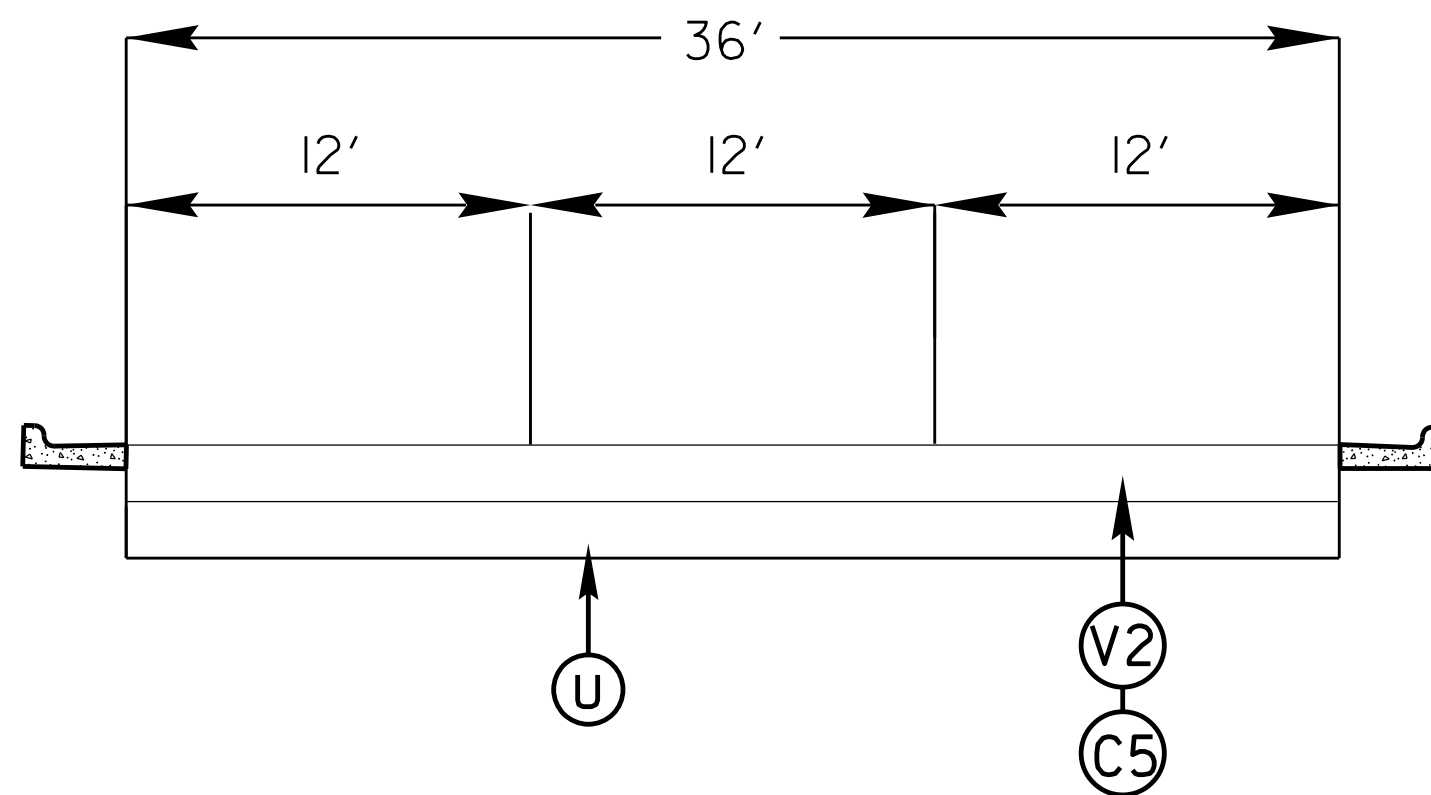


|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1.ETC |                  | 26          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |
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# TYPICAL 9

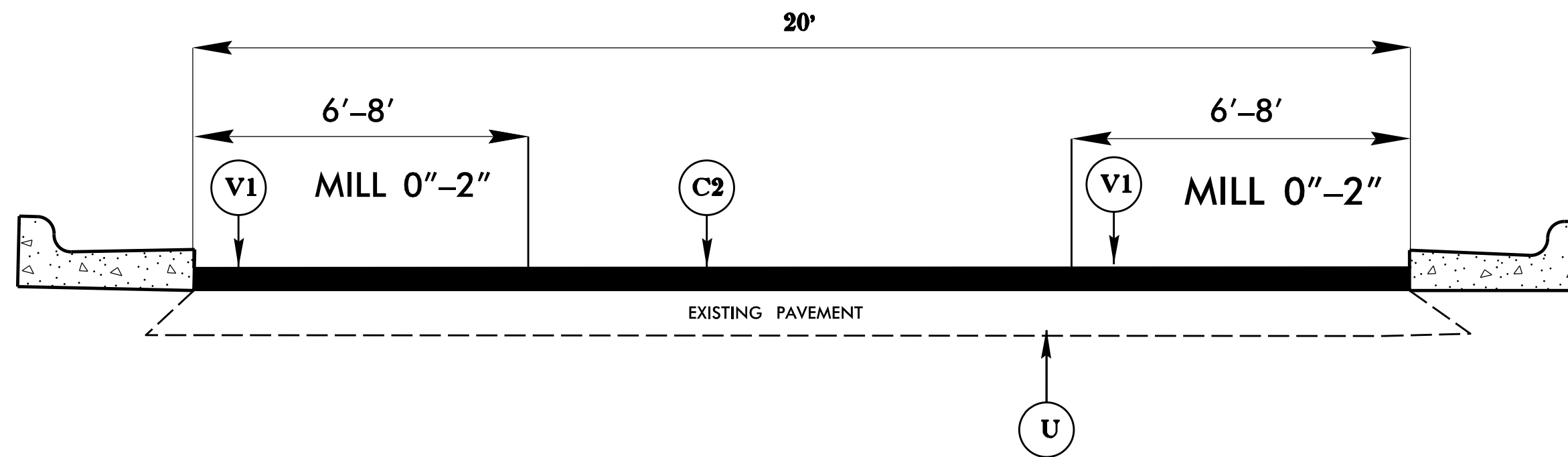


# TYPICAL 10



|                           |                  |             |
|---------------------------|------------------|-------------|
| PROJECT REFERENCE NO.     |                  | SHEET NO.   |
| 2017CPT.14.03.10221.1,ETC |                  | 27          |
| STATE PROJECT             | F.A. PROJECT NO. | DESCRIPTION |
|                           |                  |             |
|                           |                  |             |
|                           |                  |             |
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|                           |                  |             |

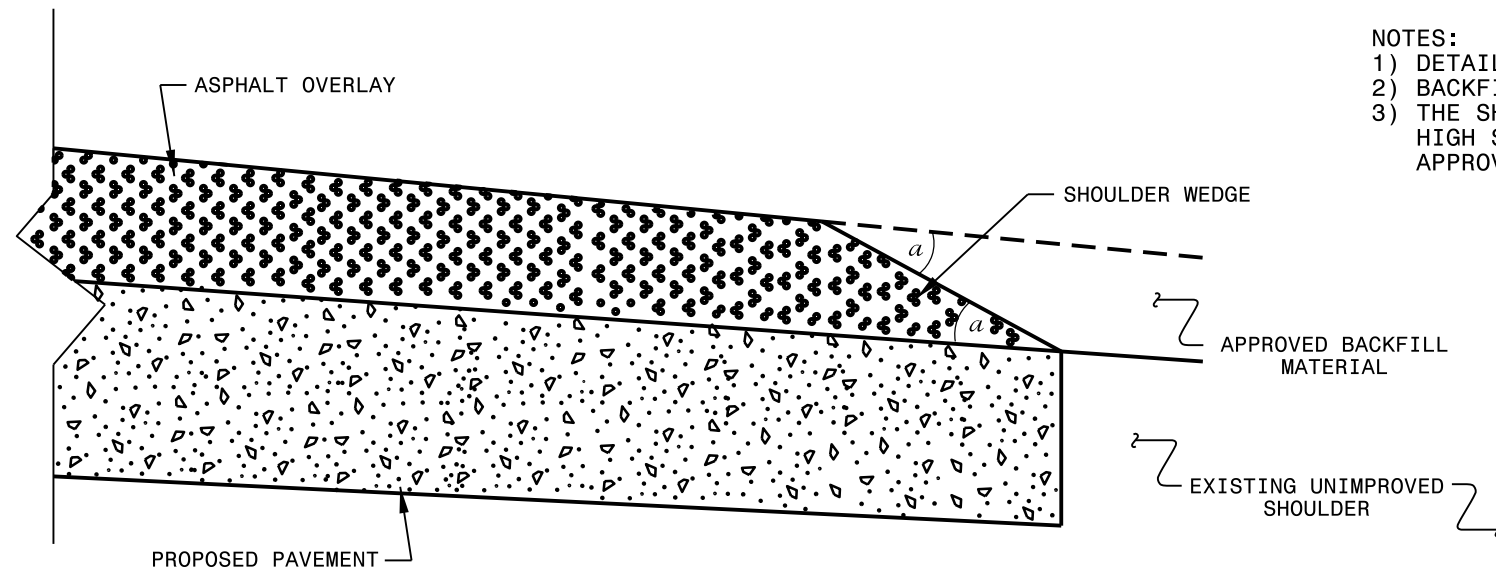
# TYPICAL 11



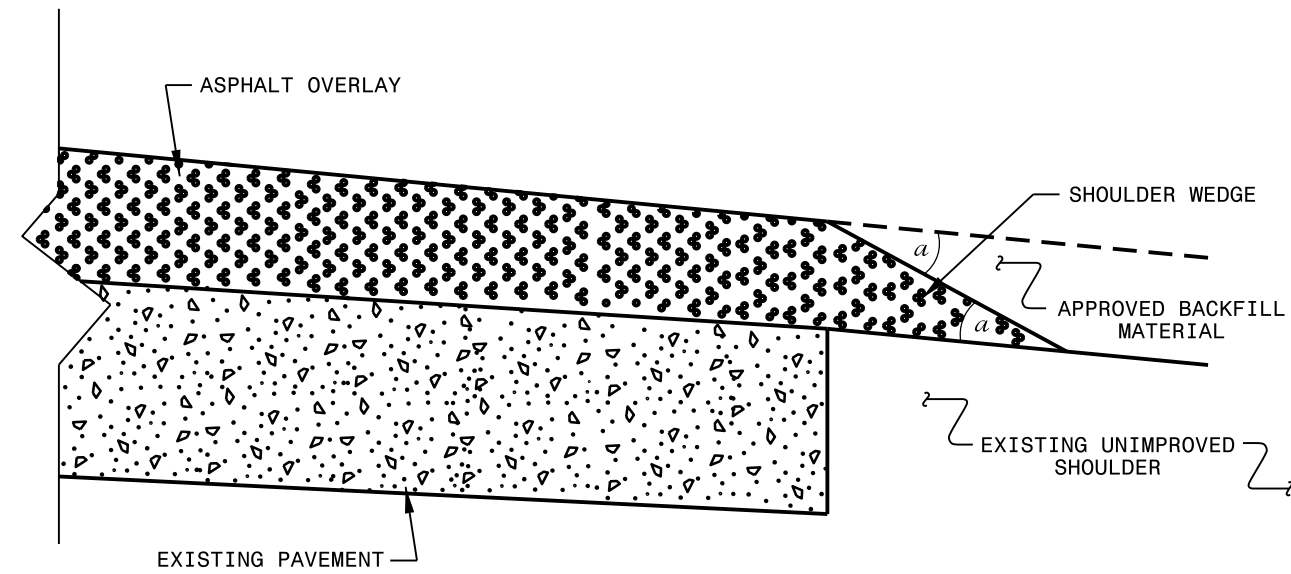


**NOTES:**

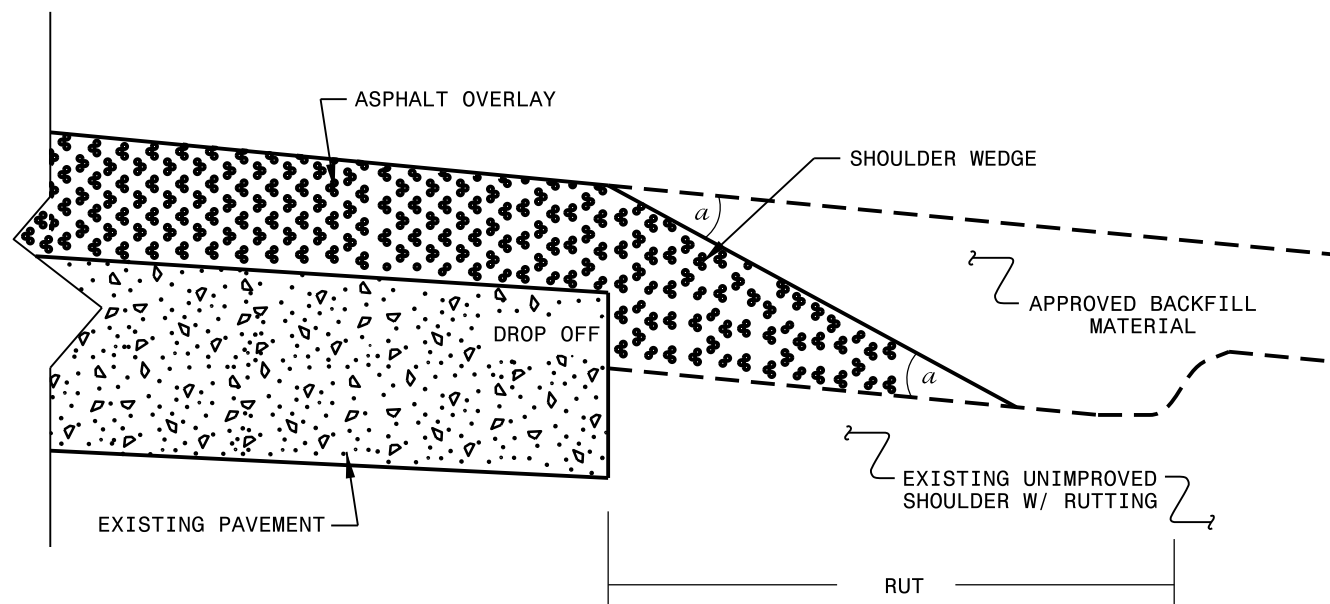
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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



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



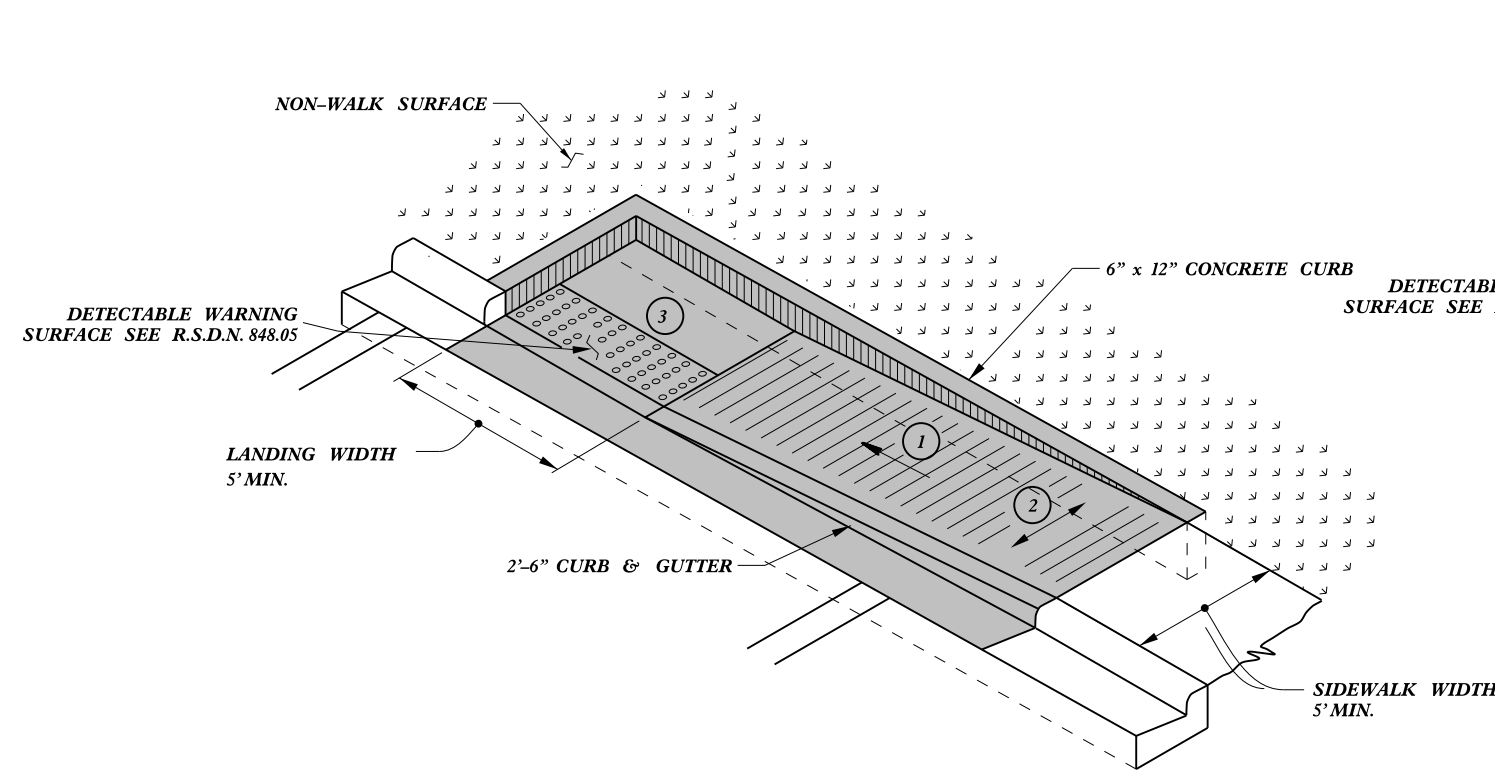
**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

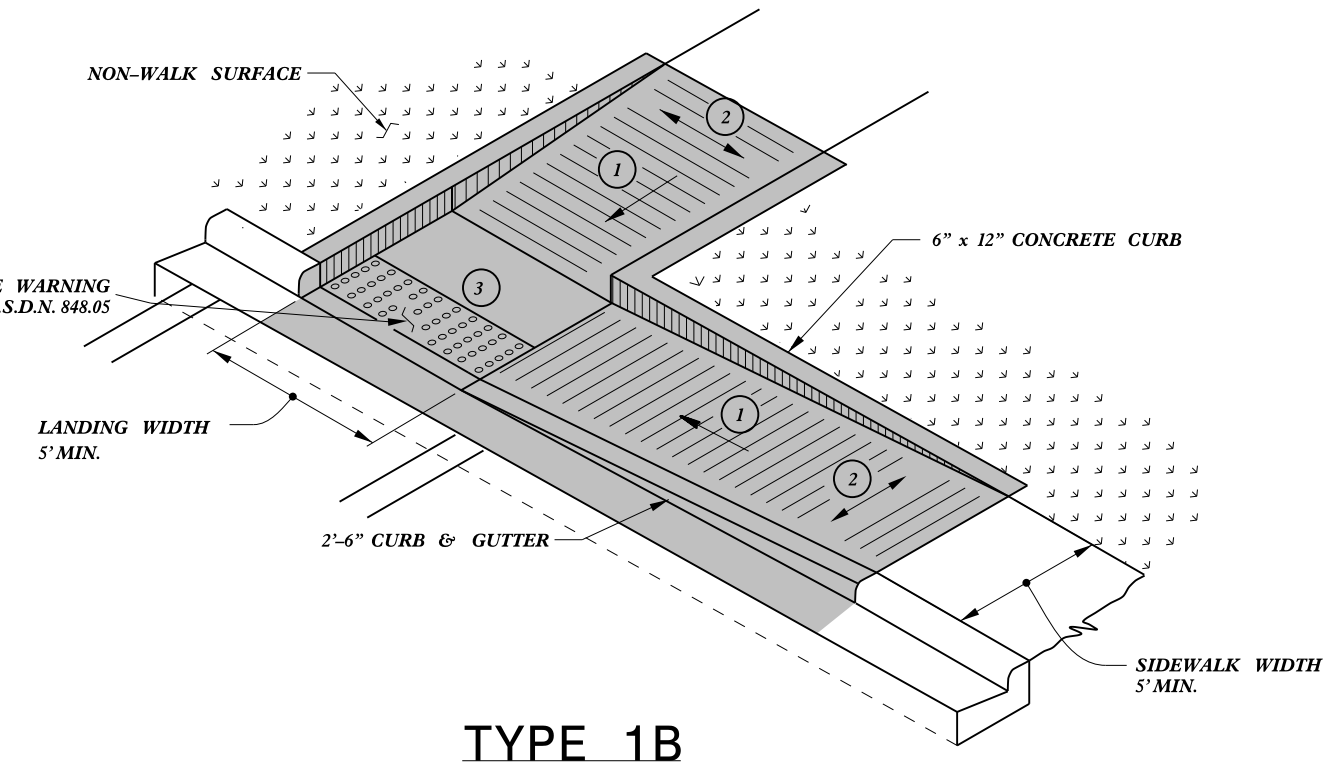
|   |               |                  |  |
|---|---------------|------------------|--|
| <b>CONTRACT STANDARDS<br/>AND DEVELOPMENT UNIT</b>      |               |                  |  |
| Office 919-707-6950                                     |               | FAX 919-250-4119 |  |
| <b>SHOULDER WEDGE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

24-MAR-2016 11:45  
 S:\Contracts\Resurfacing Projects\Shoulder Wedge Details\Revised Shoulder Wedge Detail.dgn  
 \*\*\*\*\*USERNAME\*\*\*\*\*

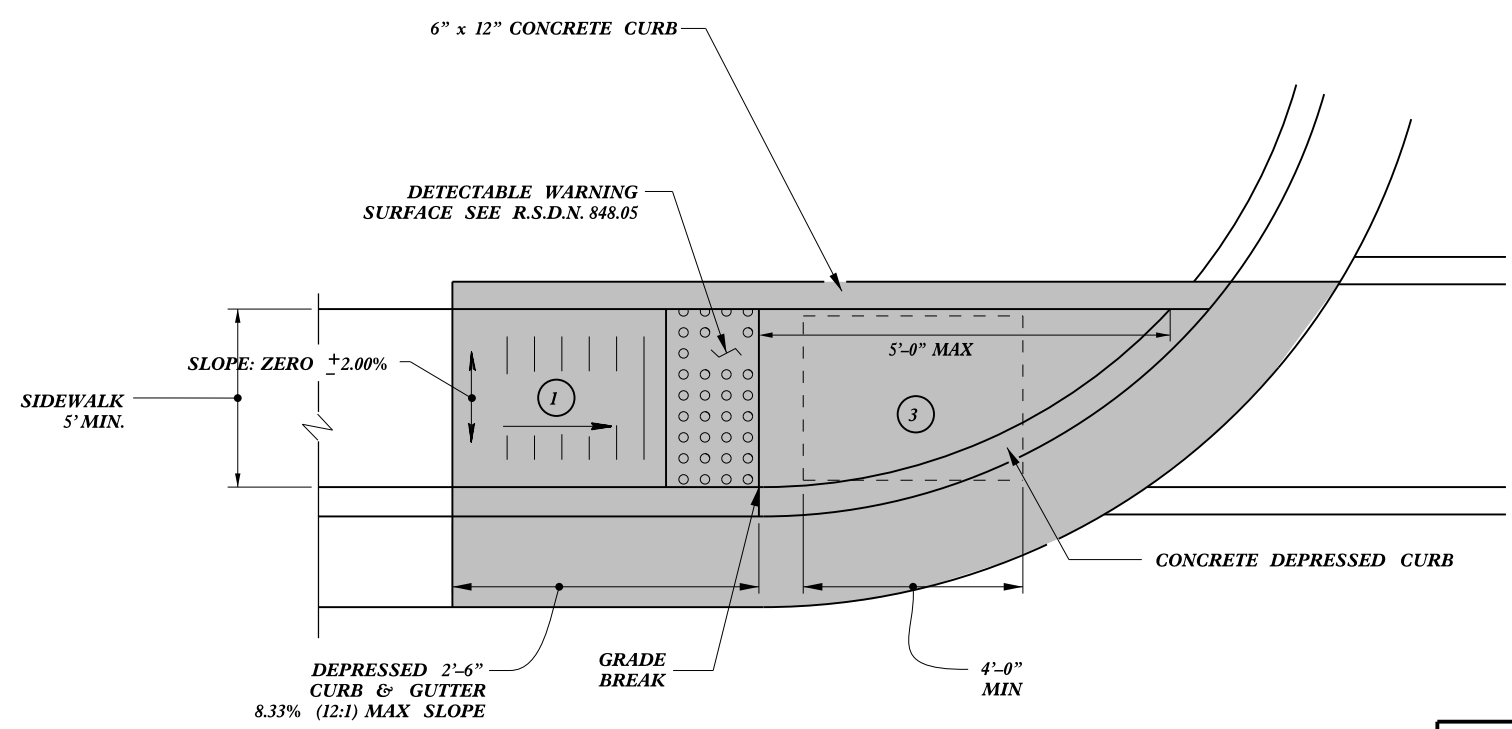




**TYPE 1A**



**TYPE 1B**

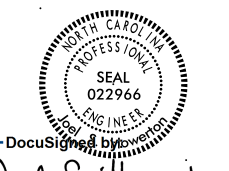


**TYPE 1**

PAY LIMITS FOR 1 CURB RAMP

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES



DocuSign  
 Joel S. Howerton  
 449E8E25522144F...  
 11/18/2015

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS AND DEVELOPMENT UNIT**  
 Office 919-707-6950 FAX 919-250-4119

**CURB RAMPS**  
 Directional Ramps

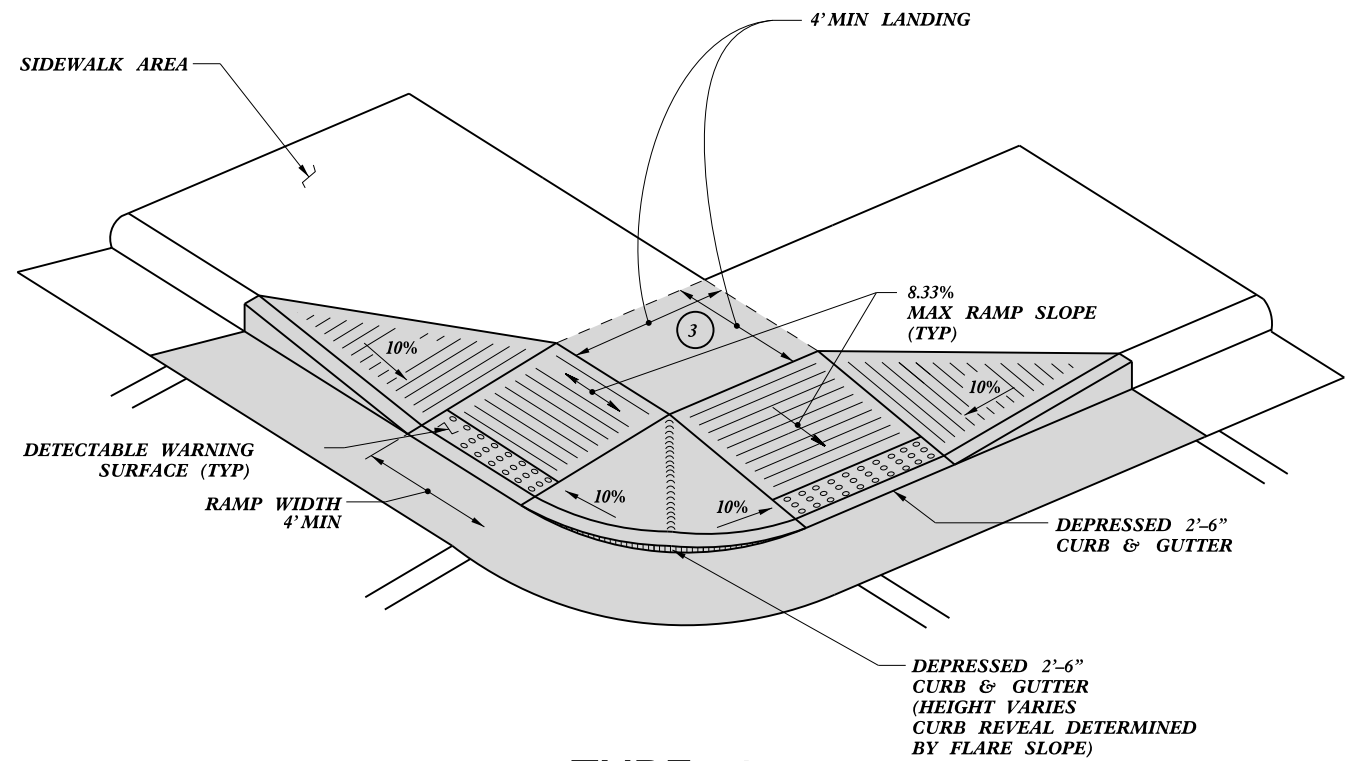
ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11  
 MODIFIED BY: DATE:   
 CHECKED BY: DATE:   
 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg

5/14/99  
 SECTION USER NAME  
 TIME

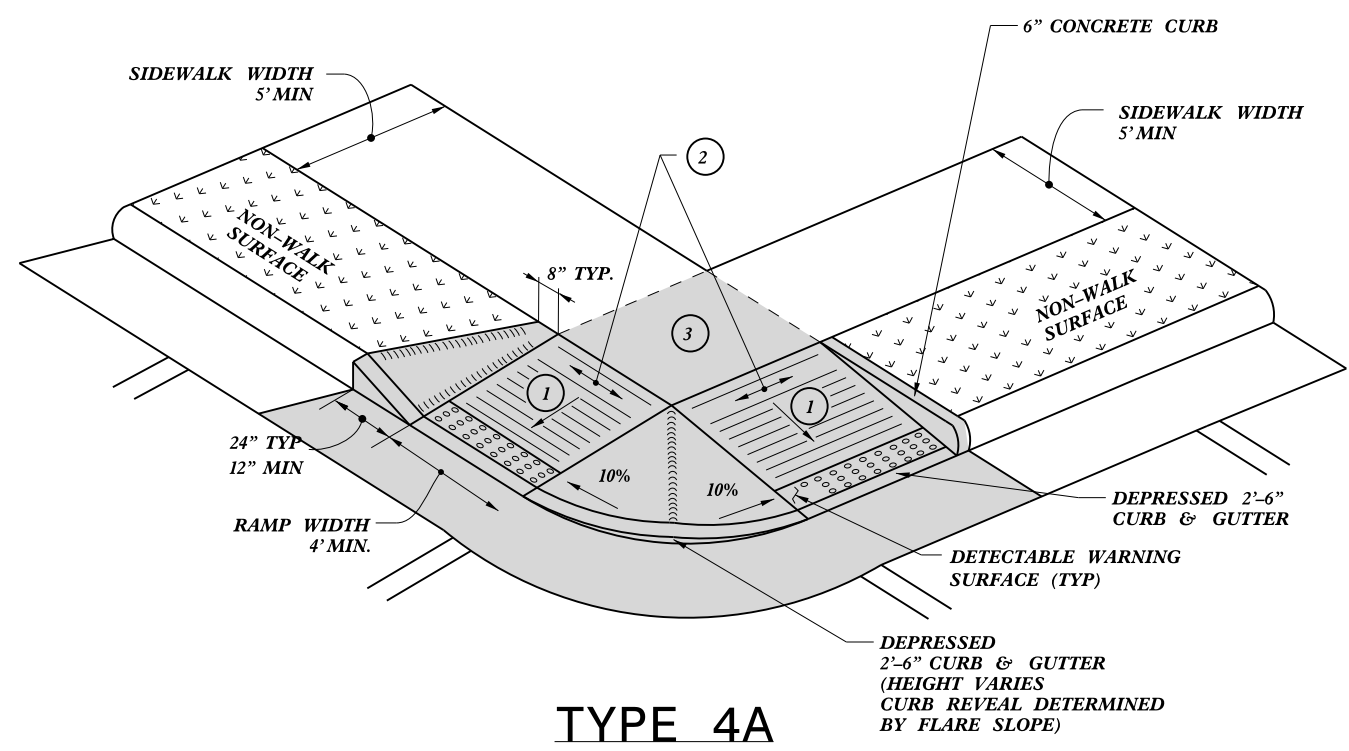




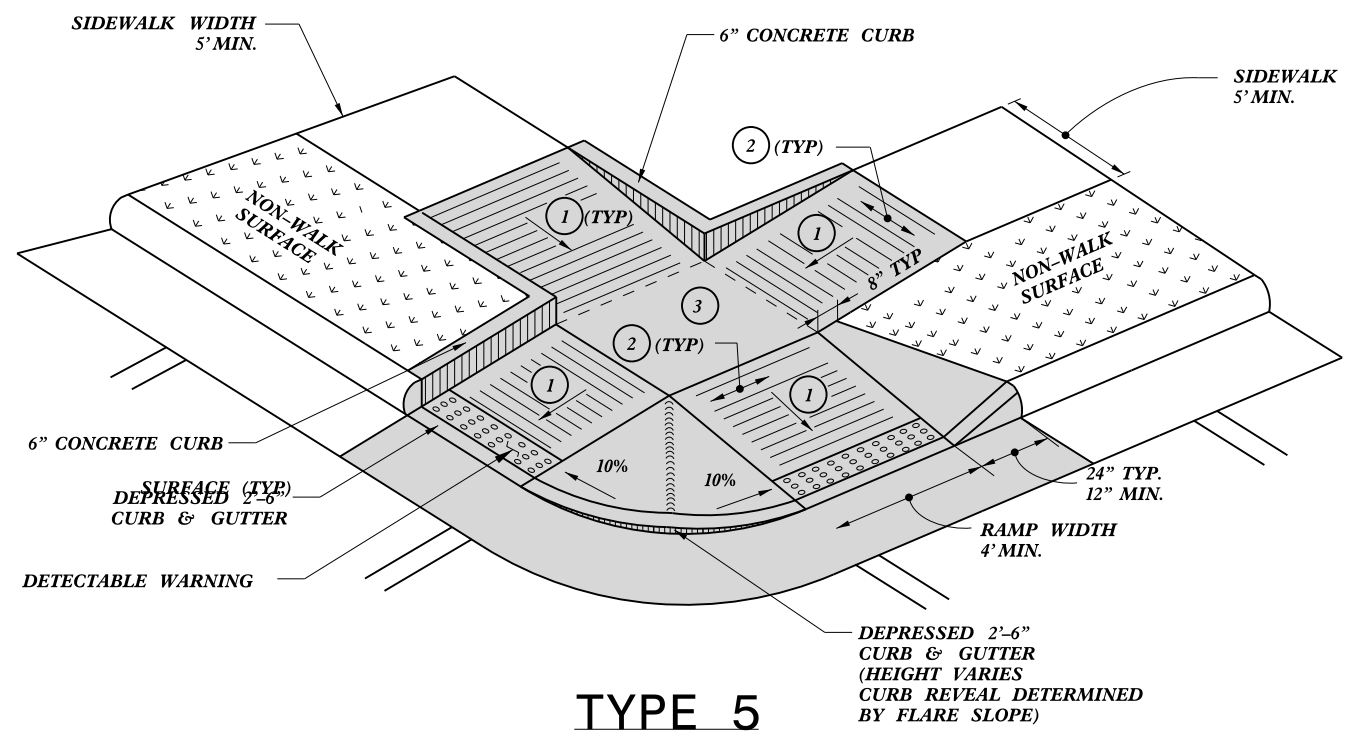




TYPE 4



TYPE 4A



TYPE 5

PAY LIMITS FOR 2 CURB RAMPS

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

DocuSigned by:  
Joel S Howerton  
449E8E25522144F...



11/18/2015

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT  
Office 919-707-6950 FAX 919-250-4119

**CURB RAMPS**  
Shared Landing

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11  
MODIFIED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
FILE SPEC. :stds/2012CurbRamp/CurbRampDetails.dwg

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

5/14/15

|                                |           |           |
|--------------------------------|-----------|-----------|
| PROJECT NO.                    | SHEET NO. | TOTAL NO. |
| 2017CPT.14.03.10221.1,<br>etc. | 35        |           |

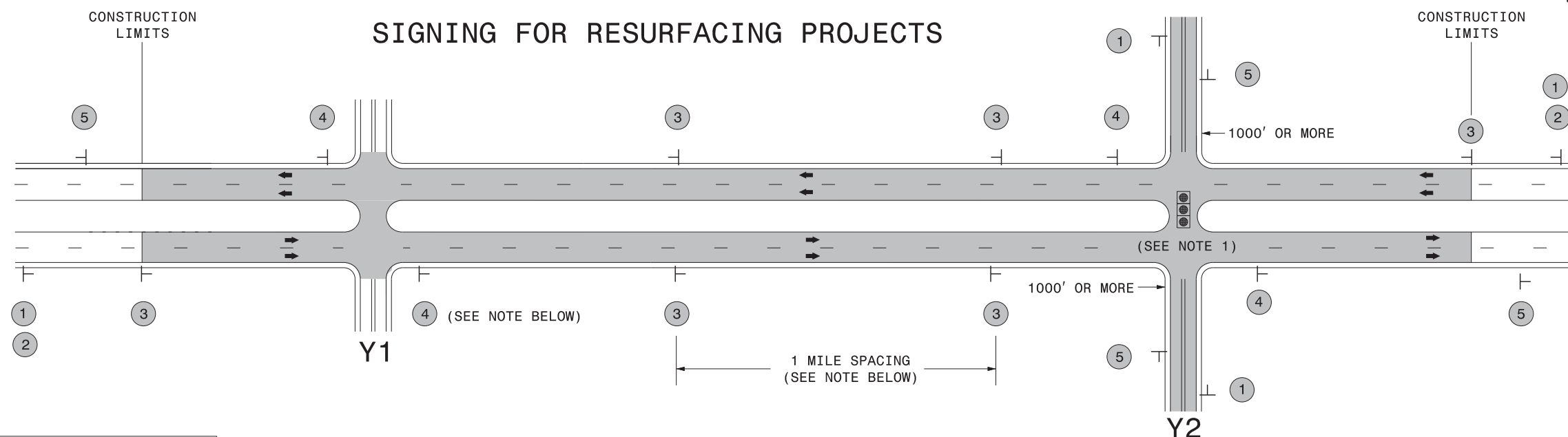
## SUMMARY OF QUANTITIES

| PROJECT NO                                      | COUNTY   | MAP NO                     | ROUTE   | DESCRIPTION   | TYP | LANES | LANE TYPE | FINAL SURFACE TESTING REQUIRED | WARM MIX ASPHALT REQUIRED | LENGTH MI     | WIDTH FT | SHOULDER RECONSTRUCTION SMI | 3" MILLING SY | 4" MILLING SY | 2" MILLING SY | 0" TO 2" MILLING SY | BASE COURSE, B25.0B TONS | INTER-MEDIATE COURSE, I19.0B TONS | INTER-MEDIATE COURSE, (WEDGING) I19.0B TONS | SURFACE COURSE, S9.5B TONS | LEVELING COURSE, S9.5B TONS | SURFACE COURSE, SF9.5A TONS | LEVELING COURSE, SF9.5A TON | ASPHALT BINDER FOR PLANT MIX TONS | PATCHING EXISTING PAVEMENT TONS | CURB RAMPS (Std. 848.06 or details) EA | PAVEMENT INTERLAYER SY | ASPHALT FOR PAVEMENT INTERLAYER TONS |  |  |
|---|----------|----------------------------|---------|---|-----|-------|-----------|--------------------------------|---------------------------|---------------|----------|-----------------------------|---------------|---------------|---------------|---------------------|--------------------------|-----------------------------------|---|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------|---------------------------------|--|------------------------|--------------------------------------|--|--|
| 2017CPT.14.03.10871.1                           | Swain    | 1                          | NC 28   | FROM MACON LINE TO US 19/74                                   | 1   | 2     | 2WU       | NO                             | NO                        | 7.146         | 20       | 14.29                       | 33,989        |               |               |                     |                          | 5,876                             |   |                            |                             | 6,490                       | 5,092                       | 1,022                             |                                 |  |                        |                                      |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.10871.1</b> |          |                            |         |   |     |       |           |                                |                           | <b>7.146</b>  |          | <b>14.29</b>                | <b>33,989</b> |               |               |                     |                          | <b>5,876</b>                      |   |                            |                             | <b>6,490</b>                | <b>5,092</b>                | <b>1,022</b>                      |                                 |  |                        |                                      |  |  |
| 2017CPT.14.03.20381.1                           | Graham   | 2                          | SR-1117 | FROM NC143 BUS TO US129                                       | 2   | 2     | 2WU       | NO                             | NO                        | 1.39          | 20       | 2.78                        |               |               |               |                     |                          |                                   |   |                            |                             | 1,206                       | 687                         | 122                               | 513                             |  |                        |                                      |  |  |
|   |          | 3                          | SR-1110 | FROM NC143 TO END OF PAVEMENT                                 | 2   | 2     | 2WU       | NO                             | NO                        | 2.6           | 18       | 5.20                        |               |               |               |                     |                          |                                   |   |                            |                             |                             | 2,031                       | 1,157                             | 206                             | 625                                    |                        |                                      |  |  |
|   |          | 4                          | SR-1232 | FROM NC28 TO SR-1268  | 2   | 2     | 2WU       | NO                             | NO                        | 1.6           | 19       | 3.20                        |               |               |               |                     |                          |                                   |   |                            |                             |                             | 1,319                       | 1,003                             | 149                             |  |                        |                                      |  |  |
|   |          | 5                          | SR-1247 | FROM US129 TO END OF MAINT.                                   | 3   | 2     | 2WU       | NO                             | NO                        | 4.25          | 18       | 8.50                        |               |               |               |                     |                          |                                   |   |                            |                             |                             |                             | 4,434                             | 266                             |  |                        |                                      |  |  |
|   |          | 6                          | SR-1246 | FROM 1 MILE WEST OF NC28 TO SR-1247                           | 3   | 2     | 2WU       | NO                             | NO                        | 5             | 19       | 10.00                       |               |               |               |                     |                          |                                   |   |                            |                             |                             |                             |                                   | 5,834                           | 350                                    | 150                    |                                      |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.20381.1</b> |          |                            |         |   |     |       |           |                                |                           | <b>14.84</b>  |          | <b>29.68</b>                |               |               |               |                     |                          |                                   |   |                            |                             | <b>4,556</b>                | <b>13,115</b>               | <b>1,093</b>                      | <b>1,288</b>                    |  |                        |                                      |  |  |
| 2017CPT.14.03.20201.1                           | Cherokee | 7                          | SR-1580 | FROM US19 TO SR-1556  | 12  | 2     | 2WU       | NO                             | NO                        | 4.2           | 20       | 8.40                        |               |               |               |                     |                          |                                   |   |                            |                             | 3,746                       | 2,282                       | 388                               | 300                             |  | 49,280                 | 420                                  |  |  |
|   |          | 8                          | SR-1559 | FROM SR-1560 TO SR-1611                                       | 6   | 2     |           | NO                             | NO                        | 0.42          | 18       | 0.84                        |               |               |               |                     |                          |                                   |   |                            |                             |                             | 348                         |                                   | 23                              |  |                        |                                      |  |  |
|   |          | 9                          | SR-1304 | FROM US19 TO US19   | 2   | 2     | 2WU       | NO                             | NO                        | 2.56          | 19       | 5.12                        |               |               |               |                     |                          |                                   |   |                            |                             |                             | 2,196                       | 1,605                             | 243                             | 435                                    |                        |                                      |  |  |
|   |          | 10                         | SR-1453 | FROM SR-1454 TO END OF MAINT.                                 | 4   | 2     | 2WU       | NO                             | NO                        | 0.78          | 18       | 1.60                        |               | 8,237         |               |                     |                          | 2,066                             |   |                            |                             |                             | 732                         |                                   | 140                             |  |                        |                                      |  |  |
|   |          | 11                         | SR-1454 | FROM SR-1453 TO END OF MAINT.                                 | 4   | 2     | 2WU       | NO                             | NO                        | 0.55          | 18       | 1.10                        |               | 5,808         |               |                     |                          | 1,457                             |   |                            |                             |                             | 521                         |                                   | 99                              |  |                        |                                      |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.20201.1</b> |          |                            |         |   |     |       |           |                                |                           | <b>8.51</b>   |          | <b>17.06</b>                |               | <b>14,045</b> |               |                     | <b>3,523</b>             |                                   |   |                            |                             | <b>7,543</b>                | <b>3,887</b>                | <b>893</b>                        | <b>735</b>                      |  | <b>49,280</b>          | <b>420</b>                           |  |  |
| 2017CPT.14.03.10221.1                           | Clay     | 12                         | US 64   | FROM .44 MILES WEST OF SR-1349 TO 1.51 MILES EAST OF SR-1349  | 5   | 2     | 2WU       | NO                             | NO                        | 1.94          | 30       | 3.88                        | 7,895         |               |               |                     |                          | 1,485                             |   |                            | 3,226                       | 2,301                       |                             |                                   | 414                             |  |                        |                                      |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.10221.1</b> |          |                            |         |   |     |       |           |                                |                           | <b>1.94</b>   |          | <b>3.88</b>                 | <b>7,895</b>  |               |               |                     |                          | <b>1,485</b>                      |   |                            | <b>3,226</b>                | <b>2,301</b>                |                             |                                   | <b>414</b>                      |  |                        |                                      |  |  |
| 2017CPT.14.03.20221.1                           | Clay     | 13                         | SR-1300 | FROM US 64 TO SR-1344   | 6   | 2     | 2WU       | NO                             | NO                        | 3.98          | 20       | 7.98                        |               |               |               |                     |                          |                                   |   |                            |                             | 3,693                       |                             | 247                               | 70                              |  |                        |                                      |  |  |
|   |          | 14                         | SR-1305 | FROM US64 TO SR-1307  | 7   | 2     | 2WU       | NO                             | NO                        | 3.61          | 18       | 7.22                        |               |               |               |                     |                          |                                   |   |                            |                             |                             | 2,961                       | 1,800                             | 320                             | 855                                    |                        |                                      |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.20221.1</b> |          |                            |         |   |     |       |           |                                |                           | <b>7.59</b>   |          | <b>15.20</b>                |               |               |               |                     |                          |                                   |   |                            |                             | <b>6,654</b>                | <b>1,800</b>                | <b>567</b>                        | <b>925</b>                      |  |                        |                                      |  |  |
| 2017CPT.14.03.20561.1                           | Macon    | 15                         | SR-1538 | FROM 1.7 MILES WEST OF SR1535 TO SR-1535                      | 8   | 2     | 2WU       | NO                             | NO                        | 1.7           | 19       | 3.40                        |               |               |               |                     |                          |                                   |   |                            | 1,730                       | 1,130                       |                             |                                   | 177                             | 250                                    |                        |                                      |  |  |
|   |          | 16                         | SR-1540 | FROM SR-1538 TO END OF PAVEMENT                               | 2   | 2     | 2WU       | NO                             | NO                        | 1.16          | 19       | 2.22                        |               |               |               |                     |                          |                                   |   |                            |                             |                             | 995                         | 599                               | 103                             | 330                                    |                        |                                      |  |  |
|   |          | 17                         | SR-1310 | FROM US 19/74 TO USFS ROAD 308                                | 2   | 2     | 2WU       | NO                             | NO                        | 4.96          | 19       | 9.12                        |               |               |               |                     |                          |                                   |   |                            |                             |                             | 4,294                       | 2,734                             | 452                             | 45                                     |                        |                                      |  |  |
|   |          | 18                         | SR-1689 | FORM SR-1603 TO END OF MAINT.                                 | 11  | 2     | 2WU       | NO                             | NO                        | 0.34          | 20       |                             |               |               |               |                     | 3,191                    |                                   |   |                            |                             |                             |                             | 330                               |                                 | 22                                     | 300                    | 5                                    |  |  |
|   |          | 19                         | SR-1579 | FROM US64 TO END OF MAINT                                     | 12  | 2     | 2WU       | NO                             | NO                        | 0.23          | 20       | 0.46                        |               |               |               |                     |                          |                                   |   |                            |                             |                             |                             | 212                               | 159                             | 25                                     | 200                    |                                      |  |  |
|   |          | 20                         | SR-1616 | FROM NC106 TO END OF MAINT                                    | 6   | 2     | 2WU       | NO                             | NO                        | 1.14          | 16       | 2.28                        |               |               |               |                     |                          |                                   |   |                            |                             |                             |                             | 780                               |                                 | 52                                     | 200                    |                                      |  |  |
|   |          | 21                         | SR-1615 | FROM SR-1616 TO END OF MAINT.                                 | 6   | 2     | 2WU       | NO                             | NO                        | 0.97          | 16       | 1.94                        |               |               |               |                     |                          |                                   |   |                            |                             |                             |                             | 706                               |                                 | 47                                     | 100                    |                                      |  |  |
|   |          | 22                         | SR-1617 | FROM NC106 TO END OF MAINT.                                   | 2   | 2     | 2WU       | NO                             | NO                        | 0.55          | 18       | 1.10                        |               |               |               |                     |                          |                                   |   |                            |                             |                             |                             | 495                               | 282                             | 50                                     | 50                     |                                      |  |  |
|   |          | 23                         | SR-1619 | FROM NC106 TO NC106   | 2   | 2     | 2WU       | NO                             | NO                        | 1.48          | 16       | 2.96                        |               |               |               |                     |                          |                                   |   |                            |                             |                             |                             | 1,078                             | 687                             | 113                                    | 50                     |                                      |  |  |
| 24  | SR-1694  | FROM US64 TO END OF MAINT. | 2       | 2   | 2WU | NO    | NO        | 0.15                           | 18                        | 0.30          |          |                             |               |               |               |                     |                          |                                   |   |                            |                             | 123                         | 77                          | 13                                | 200                             |  |                        |                                      |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.20561.1</b> |          |                            |         |   |     |       |           |                                |                           | <b>12.68</b>  |          | <b>23.78</b>                |               |               |               | <b>3,191</b>        |                          |                                   |   | <b>1,730</b>               | <b>1,130</b>                | <b>9,013</b>                | <b>4,538</b>                | <b>1,054</b>                      | <b>1,725</b>                    | <b>5</b>                               |                        |                                      |  |  |
| 2017CPT.14.03.10871.2                           | Swain    | 25                         | US 19   | FROM SR-1195 TO JACKSON LINE                                  | 8   | 2     | 2WU       | NO                             | NO                        | 2.131         | 20       | 4.26                        |               |               |               |                     |                          |                                   |   |                            | 2,325                       | 1,406                       |                             |                                   | 231                             | 1,251                                  |                        |                                      |  |  |
|   |          | 27                         | US 19   | FROM JACKSON CO. LINE TO .38 MILES WEST OF US 441 SOUTH       | 9   | 2     | 2WU       | NO                             | NO                        | 1.27          | 20       | 2.54                        |               |               |               |                     |                          |                                   |   |                            |                             | 1,392                       |                             |                                   |                                 | 133                                    | 525                    |                                      |  |  |
|   |          | 28                         | US 19   | FROM .38 MILES WEST OF US 441 SOUTH TO SR-1360 & US 441 NORTH | 10  | 2     | MU        | NO                             | NO                        | 0.861         | 36       |                             |               |               | 18,184        |                     |                          |                                   |   |                            |                             | 2,210                       |                             |                                   |                                 | 133                                    |                        |                                      |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.10871.2</b> |          |                            |         |   |     |       |           |                                |                           | <b>4.262</b>  |          | <b>6.80</b>                 |               |               | <b>18,184</b> |                     |                          |                                   |   | <b>5,927</b>               | <b>1,406</b>                |                             |                             | <b>497</b>                        | <b>1,776</b>                    |  |                        |                                      |  |  |
| 2017CPT.14.03.10501.1                           | Jackson  | 26                         | US 19   | FROM SWAIN LINE TO SWAIN LINE                                 | 8   | 2     | 2WU       | NO                             | NO                        | 0.241         | 20       | 0.48                        |               |               |               |                     |                          |                                   |   |                            | 263                         | 159                         |                             |                                   | 26                              | 120                                    |                        |                                      |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.10501.1</b> |          |                            |         |   |     |       |           |                                |                           | <b>0.241</b>  |          | <b>0.48</b>                 |               |               |               |                     |                          |                                   |   |                            | <b>263</b>                  | <b>159</b>                  |                             |                                   | <b>26</b>                       | <b>120</b>                             |                        |                                      |  |  |
| <b>GRAND TOTAL</b>                              |          |                            |         |   |     |       |           |                                |                           | <b>57.209</b> |          | <b>111.17</b>               | <b>41,884</b> | <b>14,045</b> | <b>18,184</b> | <b>3,191</b>        | <b>3,523</b>             | <b>7,361</b>                      | <b>277</b>                                  | <b>11,146</b>              | <b>4,996</b>                | <b>34,256</b>               | <b>28,432</b>               | <b>5,566</b>                      | <b>6,569</b>                    | <b>5</b>                               | <b>49,280</b>          | <b>420</b>                           |  |  |

|                             |           |           |
|-----------------------------|-----------|-----------|
| PROJECT NO.                 | SHEET NO. | TOTAL NO. |
| 2017CPT.14.03.10221.1, etc. | 36        |           |

### THERMOPLASTIC AND PAINT QUANTITIES

| PROJECT NO                                      | COUNTY   | MAP NO                     | ROUTE   | DESCRIPTION   | TYP | LANES | LANE TYPE    | LENGTH        | WIDTH | 4413000000-E                              | 4457000000-N              | 4697000000-E             | 4710000000-E             | 4721000000-E          | 4725000000-E         |                      |                            |                         | 4810000000-E    |                  | 4820000000-E   | 4835000000-E    | 4840000000-N     | 4890000000-E                                |  | 4905000000-N          |            |                |  |  |
|---|----------|----------------------------|---------|---|-----|-------|--------------|---------------|-------|---|---------------------------|--------------------------|--------------------------|-----------------------|----------------------|----------------------|----------------------------|-------------------------|-----------------|------------------|----------------|-----------------|------------------|---|--|-----------------------|------------|----------------|--|--|
|   |          |                            |         |   |     |       |              |               |       | WORK ZONE ADVANCE GENERAL WARNING SIGNING | TEMPORARY TRAFFIC CONTROL | 8" X 120 M YELLOW THERMO | 24" X 120 M WHITE THERMO | THERMO MSG ONLY 120 M | THERMO LT ARROW 90 M | THERMO RT ARROW 90 M | THERMO STR & RT ARROW 90 M | THERMO STR ARROW 90 MIL | 4" YELLOW PAINT | 4" WHITE PAINT   | 8" WHITE PAINT | 24" WHITE PAINT | PAINT MSG SCHOOL | THERMO PAVE MARKING LINES 4" X 50 MIL WHITE | THERMO PAVE MARKING LINES 4" X 50 MIL YELLOW | SNOW PLOWABLE MARKERS |            |                |  |  |
| NO  |          | NO                         |         |   | NO  |       |              |               |       | SF  | LS                        | LF                       | LF                       | EA                    | EA                   | EA                   | EA                         | EA                      | LF              | LF               | LF             | LF              | EA               | LF  | LF   | EA                    |            |                |  |  |
| 2017CPT.14.03.10871.1                           | Swain    | 1                          | NC 28   | FROM MACON LINE TO US 19/74                                   | 1   | 2     | 2WU          | 7.146         | 20    | 801                                       | *                         |                          | 200                      |                       |                      |                      |                            |                         | 75,451          | 75,500           |                |                 |                  | 75,500                                      | 75,500                                       |                       |            |                |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.10871.1</b> |          |                            |         |   |     |       | <b>7.146</b> |               |       | <b>801</b>                                | <b>*</b>                  |                          | <b>200</b>               |                       |                      |                      |                            |                         | <b>75,451</b>   | <b>75,500</b>    |                |                 |                  | <b>75,500</b>                               | <b>75,500</b>                                |                       |            |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>150,951</b>  |                  |                |                 |                  | <b>151,000</b>                              |  |                       |            |                |  |  |
| 2017CPT.14.03.20381.1                           | Graham   | 2                          | SR-1117 | FROM NC143 BUS TO US129                                       | 2   | 2     | 2WU          | 1.39          | 20    | 156                                       | *                         |                          |                          |                       |                      |                      |                            |                         | 18,348          | 29,913           |                |                 |                  |   |  |                       |            |                |  |  |
|   |          | 3                          | SR-1110 | FROM NC143 TO END OF PAVEMENT                                 | 2   | 2     | 2WU          | 2.6           | 18    | 291                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 | 56,004           | 55,952         |                 |                  |   |  |                       |            |                |  |  |
|   |          | 4                          | SR-1232 | FROM NC28 TO SR-1268  | 2   | 2     | 2WU          | 1.6           | 19    | 179                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  | 34,464         | 34,432          |                  |   |  |                       |            |                |  |  |
|   |          | 5                          | SR-1247 | FROM US129 TO END OF MAINT.                                   | 3   | 2     | 2WU          | 4.25          | 18    | 476                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 91,545          | 91,460           |   |  |                       |            |                |  |  |
|   |          | 6                          | SR-1246 | FROM 1 MILE WEST OF NC28 TO SR-1247                           | 3   | 2     | 2WU          | 5             | 19    | 560                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 107,700         | 107,600          |   |  |                       |            |                |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.20381.1</b> |          |                            |         |   |     |       | <b>14.84</b> |               |       | <b>1,662</b>                              | <b>*</b>                  |                          |                          |                       |                      |                      |                            |                         |                 | <b>308,061</b>   | <b>319,357</b> |                 |                  |   | <b>240</b>                                   |                       |            |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>627,418</b>  |                  |                |                 |                  |   |  |                       |            |                |  |  |
| 2017CPT.14.03.20201.1                           | Cherokee | 7                          | SR-1580 | FROM US19 TO SR-1556  | 12  | 2     | 2WU          | 4.2           | 20    | 476                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 | 55,440           | 90,384         |                 |                  |   | 200  |                       |            |                |  |  |
|   |          | 8                          | SR-1559 | FROM SR-1560 TO SR-1611                                       | 6   | 2     | 2WU          | 0.42          | 18    | 48  | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  | 5,544          | 9,038           |                  |   |  | 80                    |            |                |  |  |
|   |          | 9                          | SR-1304 | FROM US19 TO US19   | 2   | 2     | 2WU          | 2.56          | 19    | 287                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  | 75,091         | 55,091          |                  |   |  | 80                    |            |                |  |  |
|   |          | 10                         | SR-1453 | FROM SR-1454 TO END OF MAINT.                                 | 4   | 2     | 2WU          | 0.78          | 18    | 96  | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 10,296          | 16,786           |   |  |                       | 80         |                |  |  |
|   |          | 11                         | SR-1454 | FROM SR-1453 TO END OF MAINT.                                 | 4   | 2     | 2WU          | 0.55          | 18    | 62  | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 22,836          | 11,836           |   |  |                       | 60         |                |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.20201.1</b> |          |                            |         |   |     |       | <b>8.51</b>  |               |       | <b>969</b>                                | <b>*</b>                  |                          |                          |                       |                      |                      |                            |                         |                 | <b>169,207</b>   | <b>183,135</b> |                 |                  |   | <b>500</b>                                   |                       |            |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>352,342</b>  |                  |                |                 |                  |   |  |                       |            |                |  |  |
| 2017CPT.14.03.10221.1                           | Clay     | 12                         | US 64   | FROM .44 MILES WEST OF SR-1349 TO 1.51 MILES EAST OF SR-1349  | 5   | 2     | 2WU          | 1.94          | 30    | 217                                       | *                         |                          | 200                      |                       |                      |                      |                            |                         |                 | 20,520           | 20,520         |                 |                  |   | 20,520                                       | 20,520                | 139        |                |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.10221.1</b> |          |                            |         |   |     |       | <b>1.94</b>  |               |       | <b>217</b>                                | <b>*</b>                  |                          | <b>200</b>               |                       |                      |                      |                            |                         |                 | <b>20,520</b>    | <b>20,520</b>  |                 |                  |   | <b>20,520</b>                                | <b>20,520</b>         | <b>139</b> |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>41,040</b>   |                  |                |                 |                  |   | <b>41,040</b>                                |                       |            |                |  |  |
| 2017CPT.14.03.20221.1                           | Clay     | 13                         | SR-1300 | FROM US 64 TO SR-1344   | 6   | 2     | 2WU          | 3.98          | 20    | 476                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 | 52,536           | 85,650         |                 |                  |   | 80   |                       |            |                |  |  |
|   |          | 14                         | SR-1305 | FROM US64 TO SR-1307  | 7   | 2     | 2WU          | 3.61          | 18    | 258                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  | 47,652         | 77,687          |                  |   |  | 100                   |            |                |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.20221.1</b> |          |                            |         |   |     |       | <b>7.59</b>  |               |       | <b>734</b>                                | <b>*</b>                  |                          |                          |                       |                      |                      |                            |                         |                 | <b>100,188</b>   | <b>163,337</b> |                 |                  |   | <b>180</b>                                   |                       |            |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>263,525</b>  |                  |                |                 |                  |   |  |                       |            |                |  |  |
| 2017CPT.14.03.20561.1                           | Macon    | 15                         | SR-1538 | FROM 1.7 MILES WEST OF SR1535 TO SR-1535                      | 8   | 2     | 2WU          | 1.7           | 19    | 190                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 | 22,440           | 36,584         |                 |                  |   | 180  |                       |            |                |  |  |
|   |          | 16                         | SR-1540 | FROM SR-1538 TO END OF PAVEMENT                               | 2   | 2     | 2WU          | 1.16          | 19    | 130                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  | 24,288         | 24,963          |                  |   |  |                       |            |                |  |  |
|   |          | 17                         | SR-1310 | FROM US 19/74 TO USFS ROAD 308                                | 2   | 2     | 2WU          | 4.96          | 19    | 556                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  | 95,472         | 106,739         |                  |   |  | 80                    |            |                |  |  |
|   |          | 18                         | SR-1689 | FORM SR-1603 TO END OF MAINT.                                 | 11  | 2     | 2WU          | 0.34          | 20    |   | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 4,488           |                  | 160   | 100  | 12                    |            |                |  |  |
|   |          | 19                         | SR-1579 | FROM US64 TO END OF MAINT                                     | 12  | 2     | 2WU          | 0.23          | 20    |   | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 3,036           | 4,950            |   |  |                       | 80         |                |  |  |
|   |          | 20                         | SR-1616 | FROM NC106 TO END OF MAINT                                    | 6   | 2     | 2WU          | 1.14          | 16    | 128                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 24,533          | 24,533           |   |  |                       | 30         |                |  |  |
|   |          | 21                         | SR-1615 | FROM SR-1616 TO END OF MAINT.                                 | 6   | 2     | 2WU          | 0.97          | 16    | 109                                       | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 20,874          | 20,874           |   |  |                       |            |                |  |  |
|   |          | 22                         | SR-1617 | FROM NC106 TO END OF MAINT.                                   | 2   | 2     | 2WU          | 0.55          | 18    | 62  | *                         |                          |                          |                       |                      |                      |                            |                         |                 |                  |                | 11,836          | 11,836           |   |  |                       | 30         |                |  |  |
| 23  | SR-1619  | FROM NC106 TO NC106        | 2       | 2   | 2WU | 1.48  | 16           | 166           | *     |   |                           |                          |                          |                       |                      |                      |                            |                         |                 | 31,850           | 31,850         |                 |                  |   | 100  |                       |            |                |  |  |
| 24  | SR-1694  | FROM US64 TO END OF MAINT. | 2       | 2   | 2WU | 0.15  | 18           |               | *     |   |                           |                          |                          |                       |                      |                      |                            |                         |                 | 3,228            | 3,228          |                 |                  |   | 30   |                       |            |                |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.20561.1</b> |          |                            |         |   |     |       | <b>12.68</b> |               |       | <b>1,341</b>                              | <b>*</b>                  |                          |                          |                       |                      |                      |                            |                         |                 | <b>242,045</b>   | <b>265,557</b> | <b>160</b>      | <b>630</b>       | <b>12</b>                                   |  |                       |            |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>507,602</b>  |                  |                |                 |                  |   |  |                       |            |                |  |  |
| 2017CPT.14.03.10871.2                           | Swain    | 25                         | US 19   | FROM SR-1195 TO JACKSON LINE                                  | 8   | 2     | 2WU          | 2.131         | 20    | 239                                       | *                         | 80                       | 400                      |                       |                      |                      |                            |                         |                 | 63,660           |                |                 |                  |   | 22,503                                       | 22,503                | 148        |                |  |  |
|   |          | 27                         | US 19   | FROM JACKSON CO. LINE TO .38 MILES WEST OF US 441 SOUTH       | 9   | 2     | 2WU          | 1.27          | 20    | 142                                       | *                         |                          |                          | 200                   |                      |                      |                            |                         |                 |                  | 13,411         |                 |                  |   |  | 13,411                | 13,411     | 88             |  |  |
|   |          | 28                         | US 19   | FROM .38 MILES WEST OF US 441 SOUTH TO SR-1360 & US 441 NORTH | 10  | 2     | MU           | 0.861         | 36    | 96  | *                         |                          |                          |                       | 4                    | 6                    | 2                          | 2                       | 6               |                  |                |                 |                  |   |  | 11,518                | 11,518     | 78             |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.10871.2</b> |          |                            |         |   |     |       | <b>4.262</b> |               |       | <b>477</b>                                | <b>*</b>                  | <b>80</b>                | <b>600</b>               | <b>4</b>              | <b>9</b>             | <b>2</b>             | <b>2</b>                   | <b>6</b>                |                 |                  | <b>77,071</b>  |                 |                  |   | <b>47,432</b>                                | <b>47,432</b>         | <b>314</b> |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>19</b>       |                  |                |                 |                  |   | <b>77,071</b>                                |                       |            | <b>94,864</b>  |  |  |
| 2017CPT.14.03.10501.1                           | Jackson  | 26                         | US 19   | FROM SWAIN LINE TO SWAIN LINE                                 | 8   | 2     | 2WU          | 0.241         | 20    |   | *                         | 600                      |                          |                       |                      |                      |                            |                         |                 | 5,186            |                |                 |                  |   | 5,186  | 5,186                 | 16         |                |  |  |
| <b>TOTAL FOR PROJ NO. 2017CPT.14.03.10501.1</b> |          |                            |         |   |     |       | <b>0.241</b> |               |       |   | <b>*</b>                  | <b>600</b>               |                          |                       |                      |                      |                            |                         |                 |                  | <b>5,186</b>   |                 |                  |   | <b>5,186</b>                                 | <b>5,186</b>          | <b>16</b>  |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>5,186</b>    |                  |                |                 |                  |   | <b>10,372</b>                                |                       |            |                |  |  |
| <b>GRAND TOTAL</b>                              |          |                            |         |   |     |       |              | <b>57.209</b> |       | <b>6,201</b>                              | <b>1</b>                  | <b>680</b>               | <b>1,000</b>             | <b>4</b>              | <b>9</b>             | <b>2</b>             | <b>2</b>                   | <b>6</b>                | <b>997,729</b>  | <b>1,027,406</b> | <b>160</b>     | <b>1,550</b>    | <b>12</b>        | <b>148,638</b>                              | <b>148,638</b>                               | <b>469</b>            |            |                |  |  |
|   |          |                            |         |   |     |       |              |               |       |   |                           |                          |                          |                       |                      |                      |                            |                         | <b>19</b>       |                  |                |                 |                  |   | <b>2,025,135</b>                             |                       |            | <b>297,276</b> |  |  |



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

**MAINLINE (-L-) SIGNING**

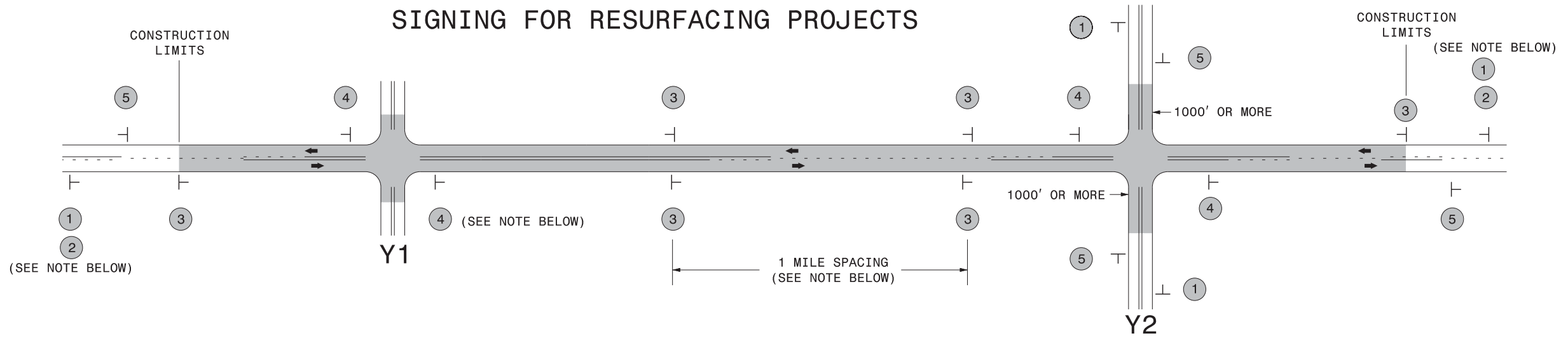
**-Y- LINE SIGNING**

|   |                          |  |   |  |
|---|--------------------------|--|---|--|
| SIGNING NOTES AND PLACEMENT PER DIRECTION | 1                        | <br>W20-1<br>48" X 48"                               | PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.  | <p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <br/>         W20-1<br/>         48" X 48"       </div> <div style="text-align: center;"> <br/>         W20-7 A<br/>         48" X 48"       </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.</li> </ol> |
|   | 2                        | <br>W7-3aP<br>24" X 18"                              | #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)  |  |
|   | 3                        | <br>SP 13107<br>48" X 48"                            | PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.   |  |
|   | 4                        | <br>SP 13106<br>48" X 48"                            | THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. |  |
| 5   | <br>G20-2 A<br>48" X 24" | PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS. |   |  |

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

# SIGNING FOR RESURFACING PROJECTS



**LEGEND**

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

## MAINLINE (-L-) SIGNING

## -Y- LINE SIGNING

|   |   |   |   |   |
|---|---|---|---|---|
| SIGNING NOTES AND PLACEMENT PER DIRECTION | 1 | <br><small>W20-1<br/>48" X 48"</small>    | PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.  | <p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <br/> <small>W20-1<br/>48" X 48"</small> </div> <div style="text-align: center;"> <br/> <small>W20-7 A<br/>48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> |
|   | 2 | <br><small>W7-3aP<br/>24" X 18"</small>   | #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)  |   |
|   | 3 | <br><small>SP 13107<br/>48" X 48"</small> | PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.   |   |
|   | 4 | <br><small>SP 13106<br/>48" X 48"</small> | THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. |   |
|   | 5 | <br><small>G20-2 A<br/>48" X 24"</small>  | PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.  |   |

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**RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS**