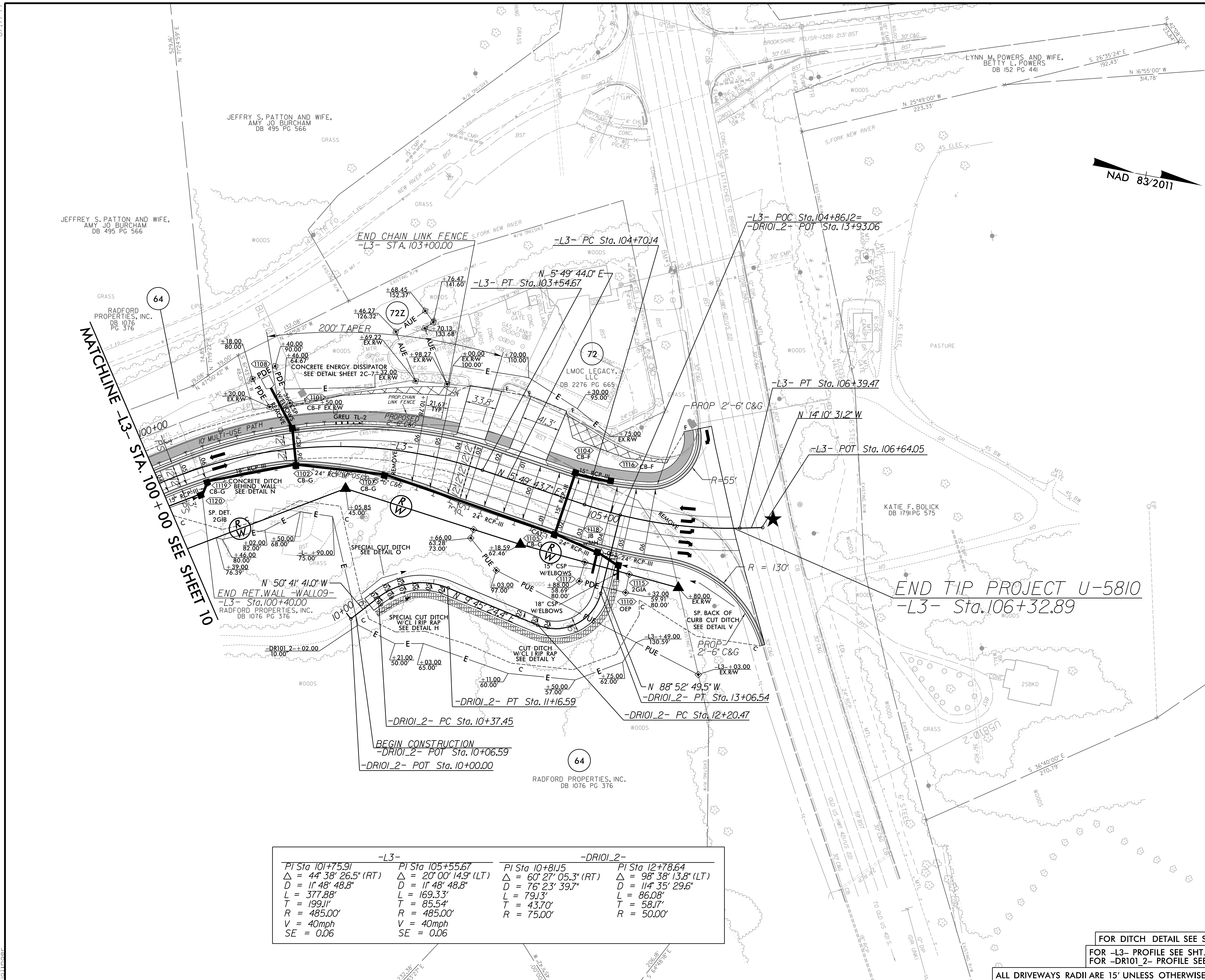


8/17/2026

5/28/2026  
R:\Roadway\Proj\U-5810\_Rd\psh1.dgn



|                                                                                                |  |                                                                                                   |  |
|------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|--|
| PROJECT REFERENCE NO.<br><b>U-5810</b>                                                         |  | SHEET NO.<br><b>11</b>                                                                            |  |
| RW SHEET NO.                                                                                   |  |                                                                                                   |  |
| ROADWAY DESIGN ENGINEER<br>7/6/2026<br>NORTH CAROLINA PROFESSIONAL SEAL 040878<br>Mary E. Mays |  | HYDRAULICS ENGINEER<br>7/2/2026<br>NORTH CAROLINA PROFESSIONAL SEAL 51640<br>Courtland A. Hoffman |  |
| <b>DOCUMENT NOT CONSIDERED FINAL<br/>UNLESS ALL SIGNATURES COMPLETED</b>                       |  |                                                                                                   |  |

| TRAFFIC DIAGRAM      |                   |
|----------------------|-------------------|
| ADT 2026<br>ADT 2046 | US HWY 421 US 221 |
| 5,309<br>6,494       | 30,600<br>44,100  |
| L- BAMBOO RD.        | US HWY 421 US 221 |
| 12,700<br>17,800     | 30,600<br>47,000  |
| 5,389<br>6,593       |                   |

| -L3-                                  |                                       | -DR101.2-                             |                                       |
|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| PI Sta 101+75.91                      | PI Sta 105+55.67                      | PI Sta 10+81.15                       | PI Sta 12+78.64                       |
| $\Delta = 44^{\circ} 38' 26.5''$ (RT) | $\Delta = 20^{\circ} 00' 14.9''$ (LT) | $\Delta = 60^{\circ} 27' 05.3''$ (RT) | $\Delta = 98^{\circ} 38' 13.8''$ (LT) |
| D = 11' 48" 48.8"                     | D = 11' 48" 48.8"                     | D = 76' 23' 39.7"                     | D = 114' 35' 29.6"                    |
| L = 377.88'                           | L = 169.33'                           | L = 79.13'                            | L = 86.08'                            |
| T = 199.11'                           | T = 85.54'                            | T = 43.70'                            | T = 58.17'                            |
| R = 485.00'                           | R = 485.00'                           | R = 75.00'                            | R = 50.00'                            |
| V = 40mph                             | V = 40mph                             |                                       |                                       |
| SE = 0.06                             | SE = 0.06                             |                                       |                                       |

ALL DRIVEWAYS RADII ARE 15' UNLESS OTHERWISE NOTED.

**PROPOSED SIGNAL**

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