


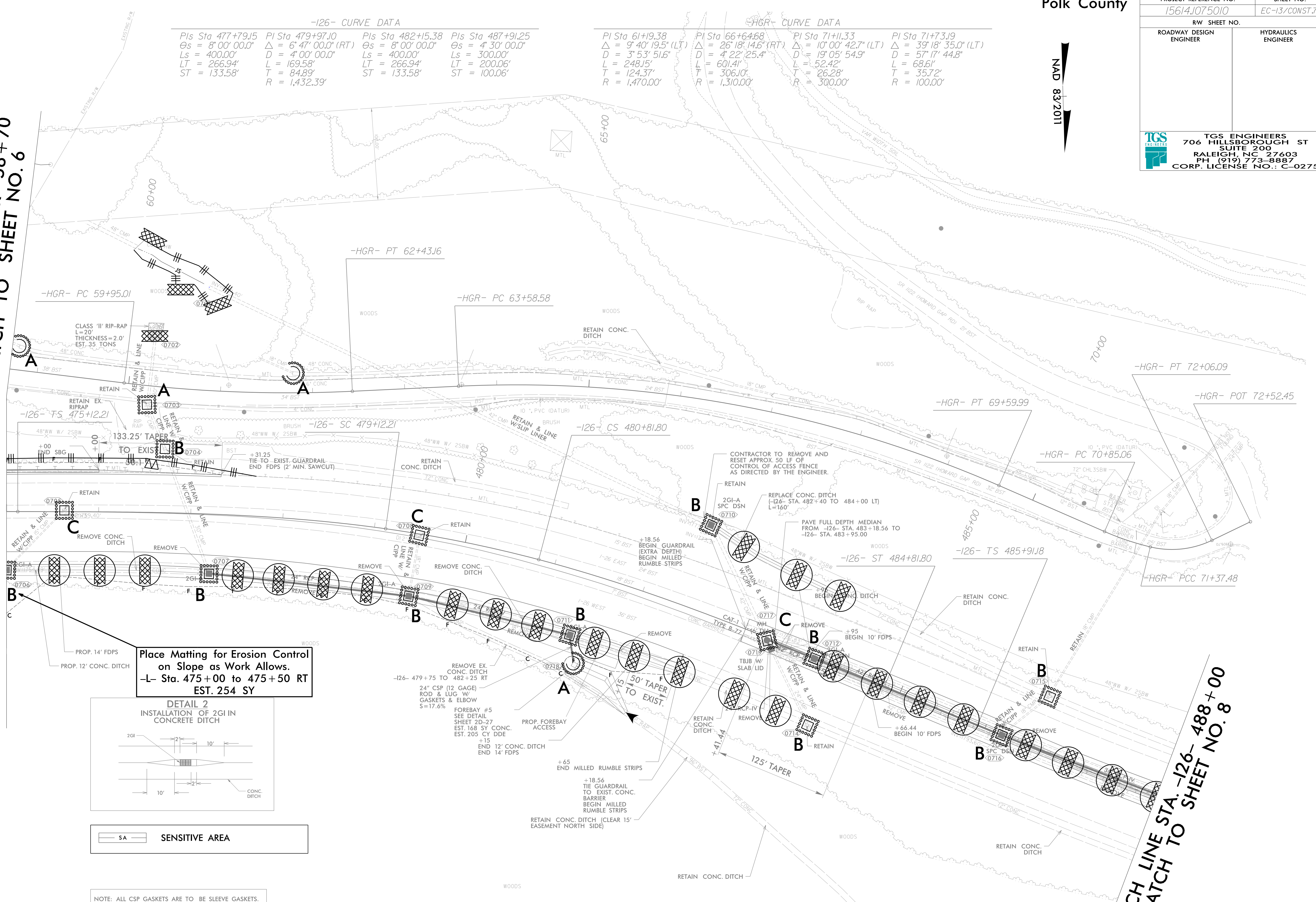
|   |                            |
|---|----------------------------|
| PROJECT REFERENCE NO.<br>15614.1075010  | SHEET NO.<br>EC-13/CONST.7 |
| RW SHEET NO.  |                            |
| ROADWAY DESIGN ENGINEER   | HYDRAULICS ENGINEER        |
|  <b>TGS ENGINEERS</b><br>706 HILLSBOROUGH ST<br>SUITE 200<br>RALEIGH, NC 27603<br>PH (919) 773-8887<br>CORP. LICENSE NO.: C-0275 |                            |

NAD 83/2011

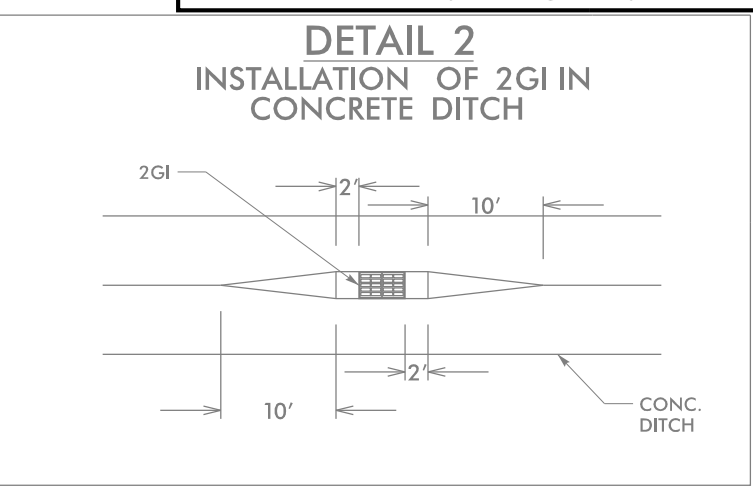
| -126- CURVE DATA                  |                                      |                                   |                                   | -HGR- CURVE DATA                     |                                       |                                       |                                       |
|-----------------------------------|--------------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| PIs Sta 477+79.15                 | PI Sta 479+97.10                     | PIs Sta 482+15.38                 | PIs Sta 487+91.25                 | PI Sta 61+19.38                      | PI Sta 66+64.68                       | PI Sta 71+11.33                       | PI Sta 71+73.19                       |
| $\Delta s = 8^{\circ} 00' 00.0''$ | $\Delta = 6^{\circ} 47' 00.0''$ (RT) | $\Delta s = 8^{\circ} 00' 00.0''$ | $\Delta s = 4^{\circ} 30' 00.0''$ | $\Delta = 9^{\circ} 40' 19.5''$ (LT) | $\Delta = 26^{\circ} 18' 14.6''$ (RT) | $\Delta = 10^{\circ} 00' 42.7''$ (LT) | $\Delta = 39^{\circ} 18' 35.0''$ (LT) |
| $Ls = 400.00'$                    | $D = 4^{\circ} 00' 00.0''$           | $Ls = 400.00'$                    | $Ls = 300.00'$                    | $D = 3^{\circ} 53' 51.6''$           | $D = 4^{\circ} 22' 25.4''$            | $L = 19^{\circ} 05' 54.9''$           | $D = 57^{\circ} 17' 44.8''$           |
| $LT = 266.94'$                    | $L = 169.58'$                        | $LT = 266.94'$                    | $LT = 200.06'$                    | $L = 248.15'$                        | $L = 601.41'$                         | $L = 52.42'$                          | $L = 68.61'$                          |
| $ST = 133.58'$                    | $T = 84.89'$                         | $ST = 133.58'$                    | $ST = 100.06'$                    | $T = 124.37'$                        | $T = 306.10'$                         | $T = 26.28'$                          | $T = 35.72'$                          |
|                                   | $R = 1,432.39'$                      |                                   |                                   | $R = 1,470.00'$                      | $R = 1,310.00'$                       | $R = 300.00'$                         | $R = 100.00'$                         |

MATCH LINE STA. -126- 475+00 MATCH LINE STA. -HGR- 58+70  
MATCH TO SHEET NO. 6 MATCH TO SHEET NO. 6

MATCH LINE STA. -126- 488+00  
MATCH TO SHEET NO. 8



Place Matting for Erosion Control on Slope as Work Allows.  
 -L- Sta. 475+00 to 475+50 RT  
 EST. 254 SY



SA SENSITIVE AREA

NOTE: ALL CSP GASKETS ARE TO BE SLEEVE GASKETS.

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC AND ON JUNCTION BOXES INSTALLED ON STEEP SLOPES.