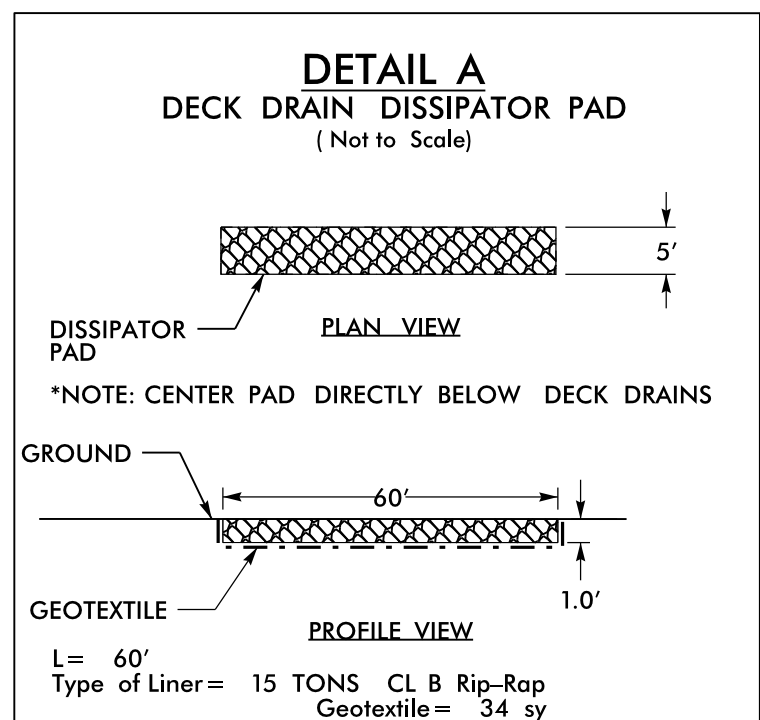


|                                 |                           |
|---------------------------------|---------------------------|
| PROJECT REFERENCE NO.<br>B-4978 | SHEET NO.<br>EC-5/CONST.4 |
| RW SHEET NO.                    |                           |
| ROADWAY DESIGN ENGINEER         | HYDRAULICS ENGINEER       |



FROM STA. 11+85 TO STA. 12+20 RT/LT.  
FROM STA. 12+67 TO STA. 12+92 RT/LT.

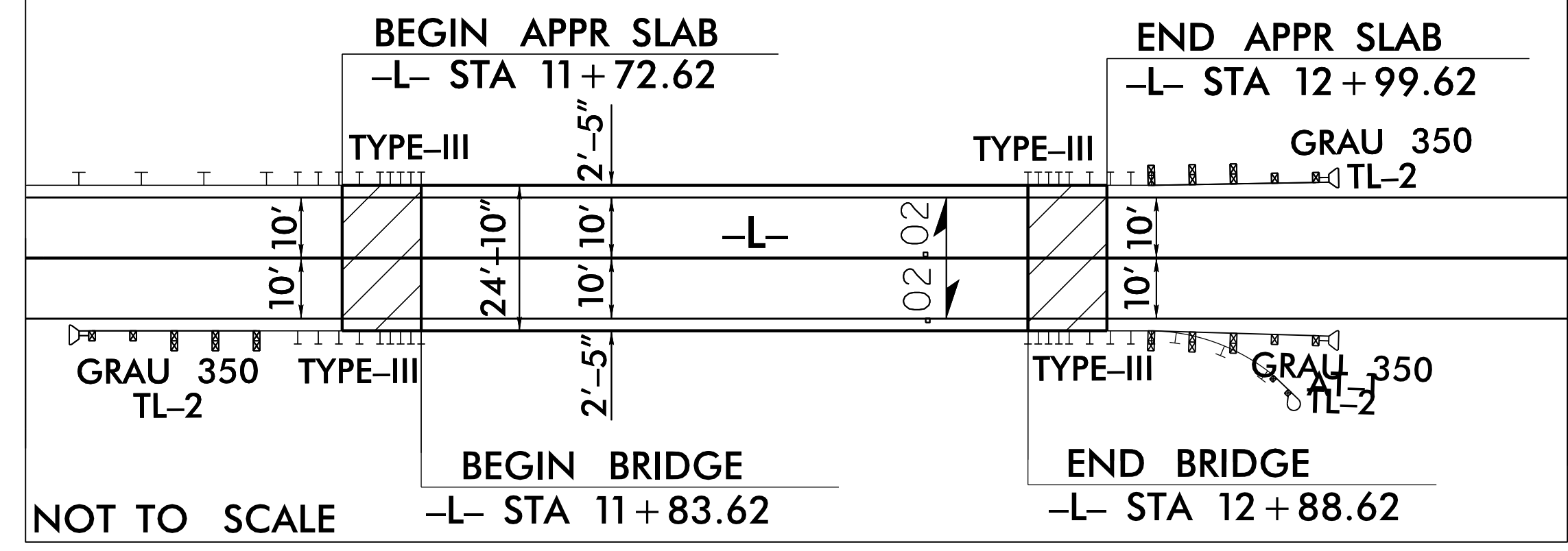
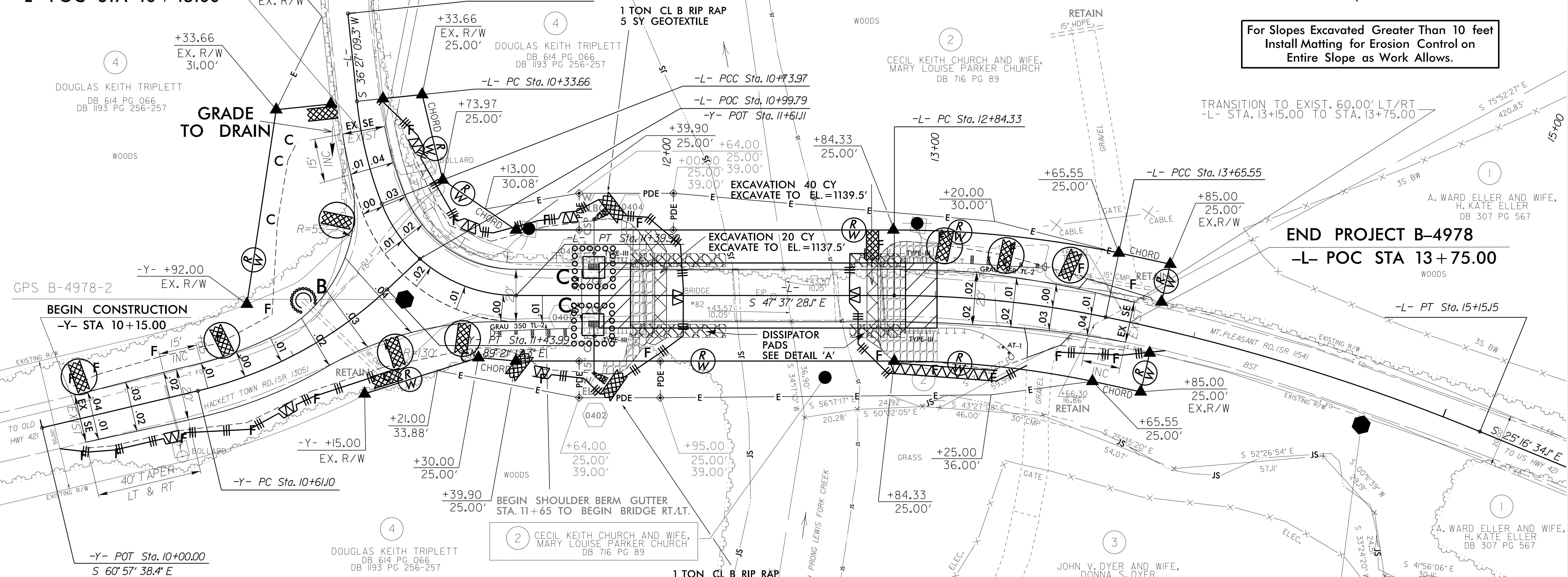
**BEGIN PROJECT B-4978**

-L- POC STA 10+45.00

| -Y-   | -L-   | -L-   | -L-   | -L-   |
|---|---|---|---|---|
| PI Sta 11+03.50<br>Δ = 29° 41' 08.3" (LT)<br>D = 35° 48' 35.5"<br>L = 82.90'<br>T = 42.40'<br>R = 160.00'<br>SE = EXIST | PI Sta 10+53.94<br>Δ = 15° 23' 51.2" (LT)<br>D = 38° 11' 49.9"<br>L = 40.31'<br>T = 20.28'<br>R = 150.00'<br>V <sub>s</sub> = 25mph | PI Sta 11+11.55<br>Δ = 68° 40' 46.2" (LT)<br>D = 104° 10' 26.9"<br>L = 65.93'<br>T = 37.57'<br>R = 55.00'<br>V <sub>s</sub> = 15mph | PI Sta 13+25.08<br>Δ = 11° 38' 02.9" (RT)<br>D = 14° 19' 26.2"<br>L = 81.22'<br>T = 40.75'<br>R = 400.00'<br>V <sub>s</sub> = 35mph | PI Sta 14+40.57<br>Δ = 10° 42' 51.1" (RT)<br>D = 7° 09' 43.1"<br>L = 149.60'<br>T = 75.02'<br>R = 800.00'<br>SE = EXIST |

NOTE: UTILIZE SPECIAL STILLING BASIN(S) WHERE APPLICABLE

For Slopes Excavated Greater Than 10 feet  
Install Matting for Erosion Control on  
Entire Slope as Work Allows.



SEE SHEET 5 FOR -L- AND -Y- PROFILES  
SEE SHEET S- TO S- FOR STRUCTURE PLANS

8/17/99  
I:\L-2017\_15554\Drawings\B-4978\_EC.psh.dgn  
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R:\L-2017\_15554\Drawings\B-4978\_EC.psh.dgn