
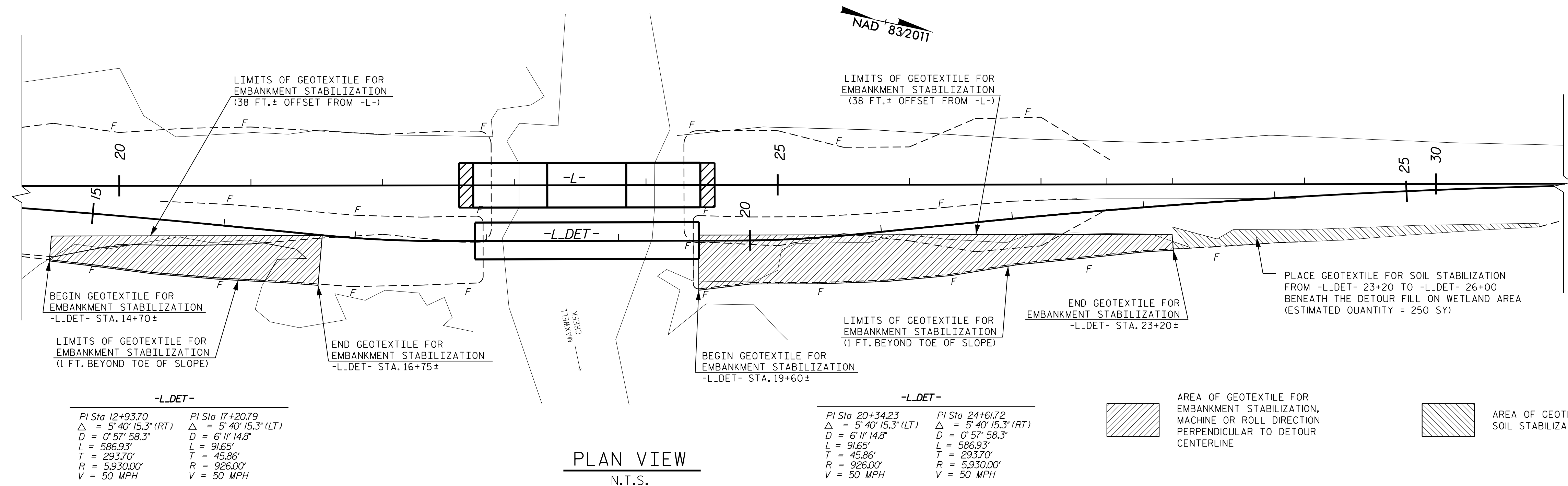


<b>PROJECT REFERENCE NO.</b> B-5639		<b>SHEET NO.</b> 2G-1	
GEOTECHNICAL ENGINEER  DocuSigned by: <i>J. Park</i> 2/5/2020 DATE: 2/5/2020		ENGINEER DATE: _____ SIGNATURE: _____	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



**-L.DET-**

PI Sta 12+93.70	PI Sta 17+20.79
$\Delta = 5^{\circ}40'15.3"$ (RT)	$\Delta = 5^{\circ}40'15.3"$ (LT)
$D = 0^{\circ}57'58.3"$	$D = 6^{\circ}11'14.8"$
$L = 586.93'$	$L = 91.65'$
$T = 293.70'$	$T = 45.86'$
$R = 5,930.00'$	$R = 926.00'$
$V = 50$ MPH	$V = 50$ MPH

**-L.DET-**

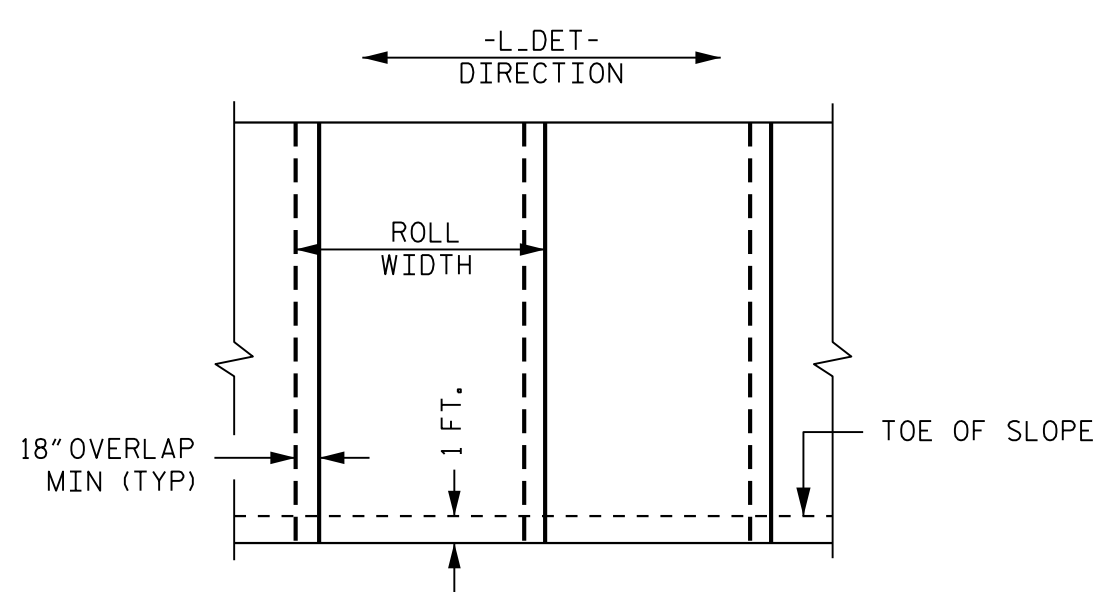
PI Sta 20+34.23	PI Sta 24+61.72
$\Delta = 5^{\circ}40'15.3"$ (LT)	$\Delta = 5^{\circ}40'15.3"$ (RT)
$D = 6^{\circ}11'14.8"$	$D = 0^{\circ}57'58.3"$
$L = 91.65'$	$L = 586.93'$
$T = 45.86'$	$T = 293.70'$
$R = 926.00'$	$R = 5,930.00'$
$V = 50$ MPH	$V = 50$ MPH

AREA OF GEOTEXTILE FOR EMBANKMENT STABILIZATION, MACHINE OR ROLL DIRECTION PERPENDICULAR TO DETOUR CENTERLINE

AREA OF GEOTEXTILE FOR SOIL STABILIZATION

**GEOTEXTILE FOR EMBANKMENT STABILIZATION QUANTITIES**

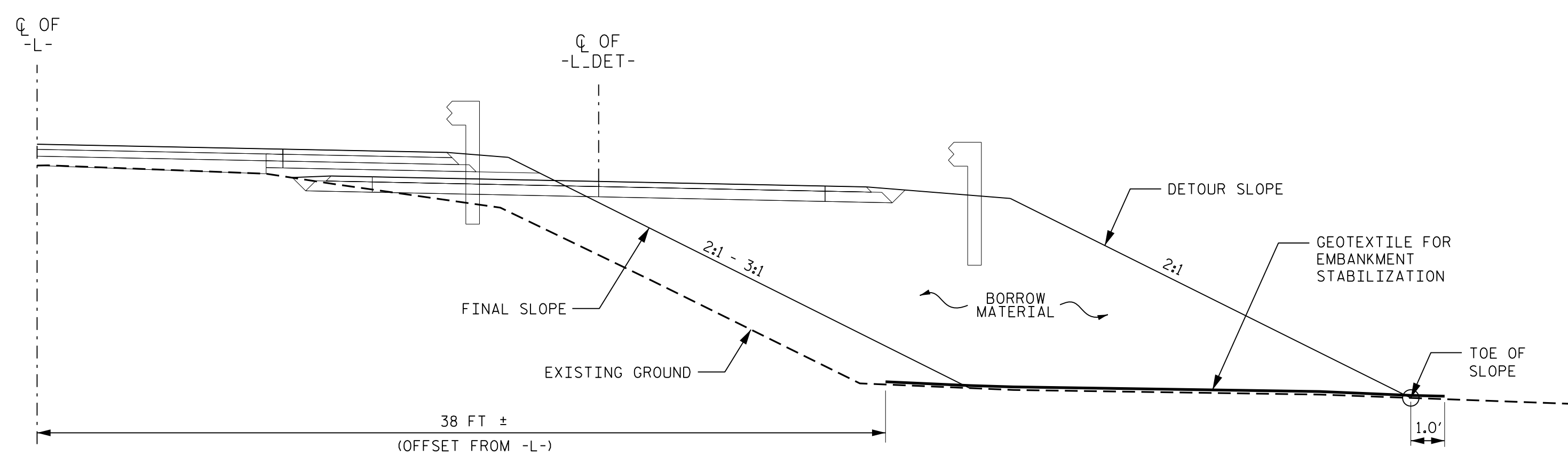
LINE	STATIONS	OFFSET	QUANTITIES
-L.DET-	STA. 14+70± TO STA. 16+75±	RT	700 SY
-L.DET-	STA. 19+60± TO STA. 23+20±	RT	1,200 SY



**GEOTEXTILE FOR EMBANKMENT STABILIZATION OVERLAP DETAIL**  
(PLAN VIEW, N.T.S.)

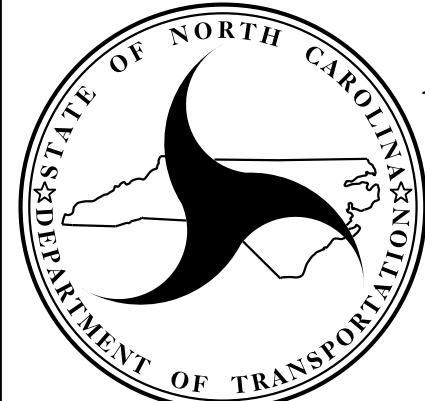
**NOTES**

- FOR GEOTEXTILE FOR EMBANKMENT STABILIZATION, SEE GEOTEXTILE FOR EMBANKMENT STABILIZATION SPECIAL PROVISION.
- DO NOT GRUB, ONLY CLEAR THE AREA WITHIN THE LIMITS OF THE GEOTEXTILE FOR EMBANKMENT STABILIZATION.
- PLACE GEOTEXTILE FOR EMBANKMENT STABILIZATION PERPENDICULAR TO EMBANKMENT CENTERLINE ON THE SLOPE OF -L.DET- ALIGNMENT AS SHOWN IN THE PLAN OR AS DIRECTED BY THE ENGINEER.
- PLACE THE GEOTEXTILE WITHOUT ANY WRINKLES OR CREASES.
- NO SEAMS OR JOINTS ARE ALLOWED IN THE MACHINE DIRECTION OF GEOTEXTILE.
- THE TERMS ROLL AND MACHINE DIRECTION ARE USED INTERCHANGEABLY.
- ALL JOINTS IN THE CROSS MACHINE DIRECTION MUST BE OVERLAPPED A MINIMUM OF 18 INCHES.



**TYPICAL CROSS SECTION**  
N.T.S.

PREPARED BY: J. PARK DATE: 02/2020  
REVIEWED BY: J. BATTS DATE: 02/2020



**NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

**GEOTECHNICAL  
ENGINEERING UNIT**

**GEOTEXTILE FOR EMBANKMENT STABILIZATION DETAILS**

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		