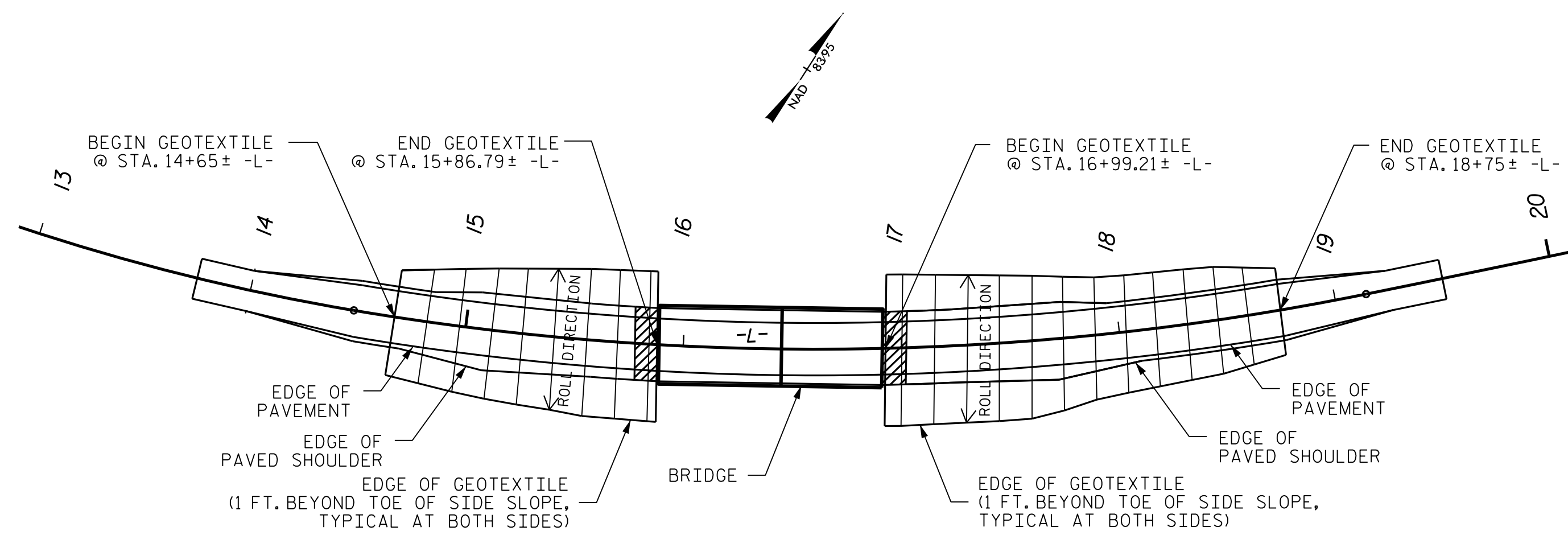




Desigined by: Thein Tun Zan 3/31/2017

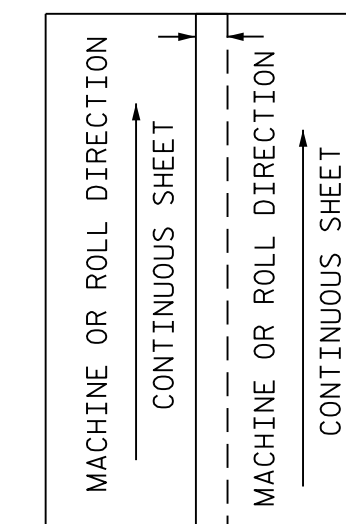
SIGNATURE DATE SIGNATURE DATE



PLAN FOR GEOTEXTILE FOR EMBANKMENT STABILIZATION

(NOT TO SCALE)

18 INCHES MIN. OVERLAP OR SEE MANUFACTURER GUIDELINES IF SEWN.



GEOTEXTILE OVERLAP DETAIL

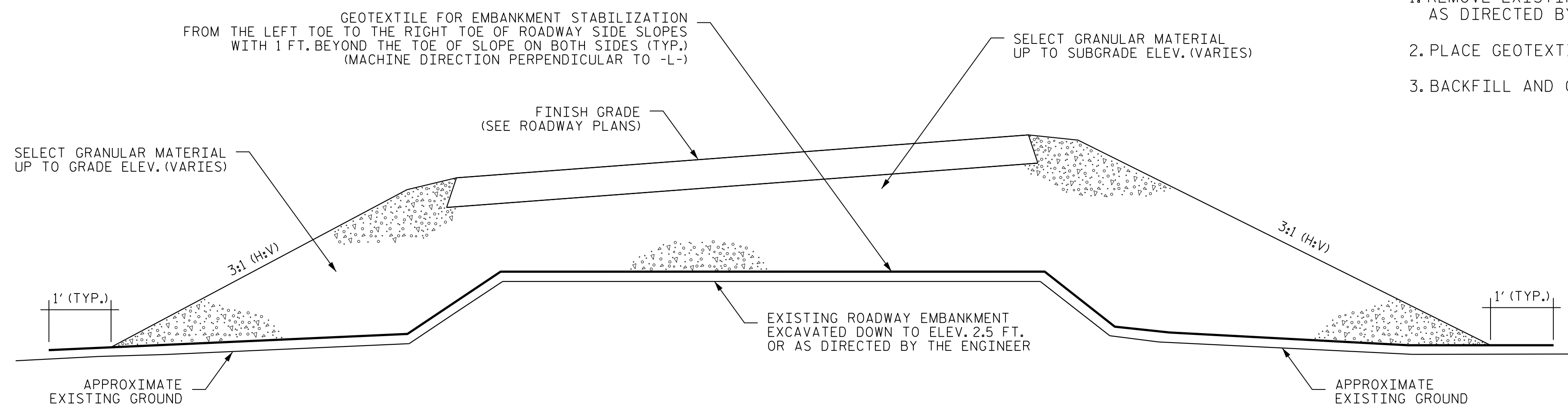
(NOT TO SCALE)

NOTES:

1. FOR GEOTEXTILE, SEE GEOTEXTILE FOR EMBANKMENT STABILIZATION SPECIAL PROVISION.
2. DO NOT GRUB, ONLY CLEAR THE AREA WITHIN THE LIMITS OF THE GEOTEXTILE FOR EMBANKMENT STABILIZATION.
3. PLACE GEOTEXTILE WITHOUT ANY WRINKLES OR CREASES.
4. NO SEAMS OR JOINTS ARE ALLOWED IN THE GEOTEXTILE MACHINE/ROLL DIRECTION.
5. THE TERM ROLL DIRECTION AND MACHINE DIRECTION ARE USED INTERCHANGABLY.
6. THE MINIMUM OVERLAP BETWEEN ADJACENT GEOTEXTILE OF THE SAME MACHINE/ROLL DIRECTION IS 18" UNLESS SEWING IS USED TO ACHIEVE THE REQUIRED SEAM STRENGTH.
7. GEOTEXTILE FOR EMBANKMENT STABILIZATION WITH MACHINE/ROLL DIRECTION PERPENDICULAR TO -L- MUST HAVE A CONTINUOUS LENGTH ACROSS THE LEFT TOE TO THE RIGHT TOE OF THE ROADWAY SIDE SLOPES.
8. EXTEND THE LENGTH OF GEOTEXTILE 1 FT. BEYOND THE TOE OF ROADWAY SIDE SLOPES.
9. FOR SELECT GRANULAR MATERIAL, SEE SECTION 265 OF THE STANDARD SPECIFICATIONS.

CONSTRUCTION SEQUENCE:

1. REMOVE EXISTING PAVEMENT & EXCAVATE EXISTING ROADWAY EMBANKMENT TO ELEV. 2.5 FT. OR AS DIRECTED BY THE ENGINEER.
2. PLACE GEOTEXTILE FOR EMBANKMENT STABILIZATION.
3. BACKFILL AND CONSTRUCT THE NEW ROADWAY EMBANKMENT WITH SELECT GRANULAR MATERIAL.



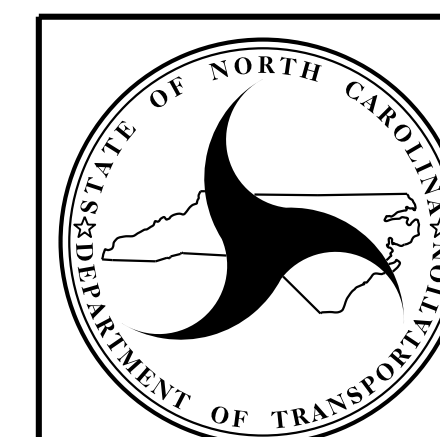
TYPICAL CROSS SECTION WITH GEOTEXTILE FOR EMBANKMENT STABILIZATION

(NOT TO SCALE)

ESTIMATED QUANTITIES

GEOTEXTILE FOR EMBANKMENT STABILIZATION	2,060 SY
SELECT GRANULAR MATERIAL	1,425 CY

PREPARED BY: THEIN T. ZAN	DATE: 03/2017
REVIEWED BY: JAMES R. BATTS	DATE: 03/2017



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

GEOTEXTILE FOR EMBANKMENT STABILIZATION DETAILS

REVISIONS

NO.	BY	DATE	NO.	BY	DATE
1	T. T. Z	3-31-17	3		
2			4		